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<u>Submittal Type:</u>	GEO_REPORT
<u>Report Title:</u>	Second Semiannual 2019 Groundwater Monitoring and Sampling Report, Defense Fuel Support Point Norwalk, 15306 Norwalk Boulevard, Norwalk, California 90650
<u>Report Type:</u>	Monitoring Report - Semi-Annually
<u>Report Date:</u>	1/30/2020
<u>Facility Global ID:</u>	SLT43185183
<u>Facility Name:</u>	Norwalk, Fuel Terminal DFSP - DOD - NORWALK DFSP
<u>File Name:</u>	DFSPNW_GWMON_SE2_2019.FINAL.01-30-20.pdf
<u>Organization Name:</u>	The Source Group, Inc.
<u>Username:</u>	SIGNAL HILL
<u>IP Address:</u>	66.214.148.134
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**DEFENSE LOGISTICS AGENCY
ENERGY
8725 JOHN J. KINGMAN ROAD
FORT BELVOIR, VIRGINIA 22060-6222**

January 30, 2019

Mr. Paul Cho, P.G.
Unit V
California Regional Water Quality Control Board
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, California 90013

Dear Mr. Cho:

Attached is the *Second Semiannual 2019 Groundwater Monitoring and Sampling Report* for Defense Fuel Support Point Norwalk (SCP NO. 0286A, SITE ID NO. 16638) located at 15306 Norwalk Boulevard, Norwalk, California. This report presents monitoring and sampling data collected during November 2019stef.

If you have any questions or need additional information concerning this document, please contact Ms. Carol Devier-Heeney at (703) 767-9813 or carol.devier-heeney@dla.mil.

Sincerely,

A handwritten signature in black ink that reads "William Y. Potter".

Digitally signed by
POTTER.WILLIAM.Y.1394566272
Date: 2020.01.30 07:00:11 -05'00'

William Y. Potter
Chief, Restoration Branch

Enclosure
As stated

cc:
Daniel Swensson, P.G., Senior Geologist, The Source Group, Inc.

**SECOND SEMIANNUAL 2019 GROUNDWATER
MONITORING AND SAMPLING REPORT**

Defense Fuel Support Point Norwalk

**15306 Norwalk Boulevard
Norwalk, California 90650**

Contract SPO600-14-D-5410

Delivery Order 0018

Prepared For:

Defense Logistics Agency Installation Management for Energy

8725 John J. Kingman Drive
Fort Belvoir, Virginia 22060-6222

Prepared By:



1962 Freeman Avenue
Signal Hill, California 90755

January 30, 2020

Prepared By:

A blue ink signature of Daniel Swensson.

Daniel Swensson
Principal Geologist
Professional Geologist No. 7082

Reviewed By:

A black ink signature of Neil F. Irish.

Neil F. Irish
Project Manager
Professional Geologist No. 5484

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LIST OF ACRONYMS

µg/L	micrograms per liter
Alpha	Alpha Analytical, Inc.
Apex	Apex Companies
bgs	below ground surface
Blaine Tech	Blaine Tech Services, Inc.
BTEX	benzene, toluene, ethylbenzene, and total xylenes
CH2M	CH2M HILL Engineers, Inc.
DIPE	diisopropyl ether
DFSP Norwalk	Defense Fuel Support Point Norwalk
DLA	Defense Logistics Agency Installation Management for Energy
1,2-DCA	1,2-dichloroethane
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency
ETBE	ethyl tertiary-butyl ether
ft/ft	feet per foot
gpm	gallons per minute
GWE	groundwater extraction
JP-4	jet propellant No. 4
JP-5	jet propellant No. 5
JP-8	jet propellant No. 8
KMEP	Kinder Morgan Energy Partners, L.P.
mL	milliliter
mL/min	milliliters per minute
MSL	mean sea level
MTBE	methyl tertiary-butyl ether
NPDES	National Pollutant Discharge Elimination System
RAB	Restoration Advisory Board
RWQCB	Los Angeles Regional Water Quality Control Board
SFPP	Santa Fe Pacific Pipeline, L.P.
SGI	The Source Group, Inc.
Site	Defense Fuel Support Point Norwalk
SVE	soil vapor extraction
TAME	tertiary-amyl methyl ether

TBA	tertiary-butyl alcohol
TFE	total fluids extraction
TPH	total petroleum hydrocarbons
TPHd	total petroleum hydrocarbons quantified as diesel
TPHg	total petroleum hydrocarbons quantified as gasoline
VOC	volatile organic compound

1.0 INTRODUCTION

The Source Group, Inc. (SGI), a wholly owned subsidiary of Apex Companies (Apex), prepared this groundwater monitoring and sampling report on behalf of the Defense Logistics Agency Installation Management for Energy (DLA) and Santa Fe Pacific Pipeline, L.P. (SFPP), an operating partnership of Kinder Morgan Energy Partners, L.P. (KMEP), to summarize the results of the second semiannual 2019 groundwater monitoring and sampling event conducted at the Defense Fuel Support Point (DFSP) Norwalk (the "Site"), located at 15306 Norwalk Boulevard in Norwalk, California (Figure 1).

The results documented in this report are based on groundwater monitoring conducted in accordance with the revised sampling and analysis plans prepared by DLA (Parsons Corporation, 2013) and SFPP (CH2M HILL Engineers, Inc. [CH2M], 2013). The Los Angeles Regional Water Quality Control Board (RWQCB) approved the sampling plans on October 23, 2013, and June 27, 2013, respectively.

DLA and SFPP jointly perform semiannual groundwater monitoring and sampling at the Site to address respective impacts to groundwater by each entity. DLA contracted SGI and SFPP contracted Jacobs Engineering Group, Inc. (Jacobs), to perform project oversight of groundwater monitoring activities. SFPP contracted Blaine Tech Services, Inc. (Blaine Tech), to gauge and sample the designated SFPP wells, and SGI personnel conducted the gauging and sampling for DLA. SGI was retained by DLA to compile and interpret the data collected during this semiannual event and to prepare this summary report.

Since 1986, environmental assessments have been performed at DFSP Norwalk (both on site and off site) by several consultants on behalf of DLA and SFPP. During these investigations, wells were installed for monitoring and as components of remediation activities. Table 1 presents the specifications for groundwater monitoring and remediation wells associated with the Site. These investigations evaluated and defined the extent of liquid-phase, adsorbed-phase, and dissolved-phase hydrocarbons in soil and groundwater beneath the Site and off site to the south, east, and west.

Based upon the results of these investigations, the principal chemical constituents of concern at the Site are:

- total petroleum hydrocarbons (TPH), including TPH quantified as gasoline (TPHg), diesel fuel (TPHd), Jet Propellant No.4 (JP-4), Jet Propellant No.5 (JP-5), and Jet Propellant No.8 (JP-8),
- benzene, toluene, ethylbenzene, and xylenes (BTEX),
- 1,2-dichloroethane (1,2-DCA),
- methyl tertiary-butyl ether (MTBE), and
- tertiary-butyl alcohol (TBA).

Additional background information regarding historical investigations and monitoring events at the Site is presented in previously submitted semiannual groundwater monitoring reports. Monitoring

wells and remediation wells are monitored on a semiannual basis to evaluate groundwater elevation and groundwater quality conditions.

In addition to the samples collected from wells screened in the uppermost aquifer, five wells screened in the deeper Exposition Aquifer (EXP-1 through EXP-5) were also sampled. Based upon information in the *Planned Utilization of the Ground Water Basins of the Coastal Plan of Los Angeles County* (State of California Department of Water Resources, 1961), in the vicinity of the DFSP Norwalk Site, the Exposition Aquifer is approximately 64 feet thick and extends from approximately 42 to 106 feet below ground surface (bgs).

This report furnishes information pertinent to the second semiannual 2019 groundwater monitoring and sampling event. This report includes groundwater gauging and sampling data from selected wells throughout the DFSP Norwalk facility and from wells located off site and provides an updated description of the status of the dissolved-phase and non-aqueous liquid-phase (floating product) hydrocarbon plumes.

2.0 FIELD AND LABORATORY ACTIVITIES

An overview of the semiannual monitoring event is provided in Section 2.1. Field and laboratory methods are described in Section 2.2.

2.1 Semiannual Groundwater Monitoring

DLA wells were gauged by SGI personnel and SFPP wells were gauged by Blaine Tech October 28 to November 1, 2019. Monitoring wells were purged and sampled October 28 through November 7, 2019. During this semiannual monitoring event, SGI and Blaine Tech gauged 185 wells and collected groundwater samples for analysis from 119 wells. Thirteen duplicate samples and three split samples were collected by SGI and Blaine Tech for laboratory analysis during this sampling event. Including duplicate and split samples, a total of 135 groundwater samples were analyzed. The wells sampled during this event are shown in bold in Table 1. Sampling was conducted using low-flow methodology, as described in Section 2.2. Exposition Aquifer wells EXP-1, EXP-2, and EXP-3 were gauged and sampled by both SGI (for DLA) and Blaine Tech (for SFPP). Thirteen of the 185 wells gauged during this monitoring event were dry and obstructions were present in four of the wells. Gauging data and calculated groundwater elevations and product thicknesses are summarized in Table 2. Field documentation is provided in Appendix A.

2.2 Field and Laboratory Methods

Field activities were conducted in accordance with the revised sampling plans as described in Section 1.0. Groundwater samples collected for DLA were submitted to American Analytics in Chatsworth, California, and groundwater samples collected for SFPP were submitted to Alpha Analytical, Inc. (Alpha), in Sparks, Nevada. Both laboratories are certified by the Environmental Laboratory Accreditation Program (ELAP) of the California Department of Public Health and American Analytics is also certified by the Department of Defense ELAP. Samples were submitted to the analytical laboratories under chain-of-custody protocol for the analyses described in Section 2.2.2.

2.2.1 Field Methods

Approximately one week prior to commencement of gauging, purging, or sampling activities, SFPP's and DLA's remediation systems were shut down to allow groundwater levels to recover to near static conditions. Subsequently, SGI, Blaine Tech, and SFPP personnel measured depth to water and depth to product in the prescribed wells using interface probe well-monitoring instruments. The interface probes differentiate between water and hydrocarbons using conductivity measurements. The interface probes were cleaned with a laboratory-grade cleanser, and then rinsed successively in two containers with distilled water prior to each measurement.

Fuel-absorbent socks were present in eastern off-site wells GMW-62 and GMW-68 and tank farm area well TF-19. The absorbent socks are 2 inches in diameter and the wells are 4 inches in

diameter. There is enough room in these wells for the interface probe to measure liquid levels without removing the socks.

Before sampling, the wells were purged using low-flow purge techniques. Flowrates ranged from approximately 0.026 to 0.132 gallons per minute (gpm; approximately 100 to 500 milliliters per minute [mL/min]), averaging 0.071 gpm (269 mL/min). 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 and ensure minimal drawdown. Between approximately 0.40 and 2.75 gallons (1,514 to 10,410 mL) were pumped from each well prior to sampling. Samples for SFPP were collected using a 2-inch-diameter Grundfos submersible pump with new or dedicated tubing, whereas samples for DLA were collected using 2-inch-diameter Monsoon or Grundfos submersible pumps with new low-density polyethylene tubing used for each well. For DLA's wells, three separate Monsoon pumps are dedicated to the DFSP Norwalk project to decrease the possibility of cross-contamination. Based upon historical analytical data, one pump is used in "clean" wells, one pump is used in wells with moderate hydrocarbon impact, and one pump is used in the most heavily impacted wells. Field documentation is provided in Appendix A.

Note that groundwater samples were collected from three SFPP wells (HL-2, MW-SF-1, and MW-SF-4) without using low-flow methodology. Groundwater was hand-bailed from each well prior to sampling. Approximately 0.79 gallon (2,990 mL) was bailed from HL-2, approximately 3 gallons (11,356 mL) from MW-SF-1, and approximately 1.5 gallon (5,678 mL) from MW-SF-4. Note that, with the exception of MW-SF-4 (where TPHd were reported at the historical low), the analytical results reported for these samples were within the range of historical values for each well.

Groundwater field parameters were allowed to stabilize before collecting samples. Groundwater samples to be analyzed for TPHg, TPHd (SFPP samples only), and volatile organic compounds (VOCs) were collected in 40-milliliter (40-mL) volatile organic analysis vials containing hydrochloric acid preservative, filled to zero headspace, and sealed with Teflon septa and airtight caps. DLA groundwater samples for analysis of TPHd were collected in 250-mL amber bottles and sealed with Teflon-lined airtight caps. The samples were labeled and placed on ice in thermally insulated coolers for transport to the laboratory following proper chain-of-custody procedures.

2.2.2 Laboratory Analytical Methods

Samples collected for DLA were sent to American Analytics and samples collected for SFPP were sent to Alpha for laboratory analysis. The laboratory analytical program included analysis for VOCs using 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 "TPHg" throughout this report. Results for TPH analyses using extraction sample preparation for groundwater samples were quantified and reported against a commercial diesel standard (C14 to C22; results abbreviated "TPHd"). Laboratory analytical reports are provided in Appendix B.

3.0 GROUNDWATER GAUGING RESULTS

Measurements of water level and floating product thickness collected during this semiannual monitoring event are described in the following sections. DLA's and SFPP's remediation systems were shut down approximately one week prior to the second semiannual 2019 groundwater gauging and sampling activities. Depths to groundwater and product (if present), measured product thicknesses, and calculated groundwater elevations are summarized in Table 2. Groundwater elevation contours for the uppermost groundwater zone along with the interpreted lateral extent of floating product plumes are shown on Figure 2. The distribution of floating product and measured product thicknesses are shown on Figure 3. Groundwater elevation contours for the deeper Exposition Aquifer are shown on Figure 4. Historical water level measurements, measured product thicknesses, and groundwater elevations are summarized in Appendix C.

The following wells were not considered in contouring groundwater elevation in the uppermost groundwater zone:

- Wells containing measurable floating product,
- The five wells screened in the Exposition Aquifer (EXP-1 through EXP-5),
- Five wells screened near the bottom of the uppermost aquifer [MW-18(MID), MW-19(MID), MW-20(MID), MW-21(MID), and MW-22(MID)], and
- Ten wells with groundwater elevations that appear anomalous based upon comparison with surrounding groundwater elevations (GMW-25, GMW-28, GMW-29, GMW-31, GMW-35R, GMW-48, GMW-59, MW-9, MW-13, and MW-14).

The exclusion of groundwater elevation data from these wells during the development of the interpreted groundwater contour maps provides a more generalized depiction of the groundwater conditions at the Site.

3.1 Groundwater Gradient Conditions

3.1.1 Uppermost Groundwater Zone

Depth to groundwater (excluding wells containing measurable floating product and Exposition Aquifer wells) in the uppermost groundwater zone ranged from 29.28 to 41.18 feet below the tops of the well casings (Table 2). Groundwater elevations in these wells ranged from 35.25 to 45.58 feet above mean sea level (MSL). Since the first semiannual 2019 monitoring event, groundwater elevations dropped an average of 1.36 foot in uppermost groundwater zone wells that did not contain floating product. Changes in elevation ranged from a decrease of 11.96 feet in GMW-20 to an increase of 1.73 foot in MW-13.

The groundwater potentiometric surface is depicted on Figure 2. Based upon the gauging data collected during this monitoring event, the groundwater surface is generally characterized by a groundwater depression in the southwestern area with gradients converging toward this depression. Off site to the west, groundwater gradients are westward. Localized groundwater depressions were

interpreted in several areas based upon the relatively lower elevations in GMW-8, GMW-54, GMW-58, GMW-O-21, GW-15, TF-8, and TF-24. Groundwater mounding was indicated near TF-19 and in the southeastern area in the vicinity of GMW-O-15 and MW-8. Gradients ranged from approximately 0.001 to 0.076 feet per foot (ft/ft).

The groundwater surface observed during this (and previous) monitoring events is largely controlled by groundwater pumping, with the majority of the groundwater extraction occurring in the south-central (KMEP), northwestern, and northeastern areas. The effects of this groundwater extraction result in the observed depressions. The mechanism causing the observed mounding is not understood. However, localized mounding has been observed historically and is transient.

Historically, the overall gradient direction (when groundwater extraction wells and biosparging are not in operation) in the uppermost aquifer has been toward the north-northwest.

Groundwater levels in MW-18(MID), MW-19(MID), MW-20(MID), MW-21(MID), and MW-22(MID), screened in the lower section of the uppermost aquifer, varied from groundwater levels measured in nearby wells installed in the upper portion of the uppermost aquifer. In general, groundwater levels measured in these "MID" wells were lower than groundwater levels measured in nearby wells, with the exception of similar groundwater levels measured in nearby wells MW-21(MID) and HL-3. Groundwater elevations in these five "MID" wells ranged from 35.25 to 39.62 feet above MSL.

The calculated elevations in ten wells (GMW-25, GMW-28, GMW-29, GMW-31, GMW-35R, GMW-48, GMW-59, MW-9, MW-13, and MW-14) were anomalous based upon comparison with nearby wells. These ten wells and the "MID" wells were not used to develop the equipotential map for the uppermost aquifer.

As summarized in Table 2, two wells (GMW-3 and GMW-40) were buried and could not be located, pumps were present in two wells (GMW-O-11 and MW-SF-9), obstructions were encountered in four wells (GMW-5, GMW-32R, GMW-33, and MW-O-2), and 13 wells (GMW-1, GMW-O-7, GMW-O-24, MW-O-1, MW-SF-5, MW-SF-10, MW-SF-14, MW-SF-16, PW-1, PW-2, PZ-10, VEW-1, and VEW-2) were dry.

3.1.2 Exposition Aquifer

Depth to groundwater in the Exposition Aquifer wells ranged from 55.50 to 63.16 feet below the tops of the well casings (Table 2). Based upon data collected by Blaine Tech (Appendix A), groundwater elevations in the Exposition Aquifer wells ranged from approximately 16.50 to 16.91 feet above MSL. Since the first semiannual 2019 monitoring event, groundwater elevations dropped an average of 1.22 foot in the Exposition Aquifer wells. Decreases in elevation ranged from 1.05 foot in EXP-1 to 1.40 foot in EXP-4.

The groundwater potentiometric surface for the Exposition Aquifer is shown on Figure 4. The groundwater gradient in the Exposition Aquifer is generally flat beneath the Site. Based upon data collected during the current monitoring event, the groundwater gradient was westward at approximately 0.0007 ft/ft in the southeast corner of the Site and toward the northeast off site to the northwest.

3.2 Distribution of Floating Product

Floating product was measured or observed in 29 of the 185 wells that were gauged during this monitoring event:

- North-central area: EP-73, GMW-18, GW-14R, RTF-18-E, RTF-18-N, RTF-18-NNW, RTF-18-NW, RTF-18-W, TF-15, TF-16, TF-17R, TF-23, TFR-9, TFR-12, TFR-14, TFR-15, TFR-18, TFR-22, TFR-24, TFR-27, TFR-29, and TFR-33;
- Eastern area: GMW-62 and GMW-68;
- South-central area: GMW-10, GMW-O-12; GMW-O-20, and GMW-O-23; and
- Southeastern area: GMW-36.

Floating product present on groundwater during this monitoring event ranged from a hydrocarbon sheen observed in GMW-62 to 3.30 feet, measured thickness, in TFR-29. Measured product thicknesses, well gauging data, and groundwater elevations are summarized in Table 2. The detection of floating product in these wells during this monitoring event along with data obtained from remediation system operations and historical detections of floating product were used in interpreting the current extent of floating product at the Site. These interpretations are shown on Figure 3 and indicate floating product in the northern tank farm area (the north-central area), the eastern area, the south-central area, and the southeastern 24-inch-diameter block valve area. Measured product thicknesses for the current semiannual monitoring event (October 2019) and two previous monitoring events (November 2018 and April 2019) are shown on Figure 3.

The databoxes on Figure 3 are color-coded to indicate whether the product thicknesses measured during the November 2019 semiannual event are increasing, decreasing, or stable as compared with the product thicknesses measured in November 2018. A blue data label indicates a decrease in measured product thickness greater than or equal to 10 percent from the previous year, a red label indicates an increase greater than or equal to 10 percent, and a white label indicates no change greater than 10 percent or the change could not be determined due to insufficient data. The changes in measured product thicknesses may be due to seasonal fluctuations of the water table elevation or remediation system operations.

Comparison of Current Conditions with Data Collected in April 2019

Since the previous monitoring event in April 2019 (Jacobs, 2019), measured product thicknesses increased in 19 wells (GMW-10, GMW-18, GMW-36, GMW-62, GMW-O-12, GMW-O-20, GMW-O-23, RTF-18-E, RTF-18-NNW, TF-15, TF-16, TF-23, TFR-9, TFR-12, TFR-18, TFR-22, TFR-24, TFR-27, and TFR-29), decreased in 12 wells (EP-73, GMW-58, GMW-O-15, GW-14R, RTF-18-N, RTF-18-NW, RTF-18-W, TF-17R, TF-18, TFR-14, TFR-15, and TFR-33), and remained the same in GMW-68. Changes in measured product thickness ranged from a decrease of 0.83 foot in TF-17R to an increase of 1.42 foot in TF-15. Overall, product thicknesses increased in the 29 wells containing floating product by an average of 0.18 foot since April 2019. Floating product was not present GMW-58 (reported to contain 0.01 foot in April 2019), GMW-O-15 (where a hydrocarbon sheen was observed in April 2019), or TF-18 (reported to contain 0.01 foot in April 2019). Floating product was measured or observed in 11 wells that did not contain measurable product in April 2019

(GMW-10, GMW-18, GMW-36, GMW-62, GMW-O-12, GMW-O-20, GMW-O-23, RTF-18-E, RTF-18-NNW, TF-23, and TFR-19). Areas impacted with floating product are shown on Figure 3.

Comparison of Current Conditions with Data Collected in November 2018

Since the second semiannual 2018 monitoring event in November 2018 (SGI, 2019), measured product thicknesses increased by 10 percent or more in seven wells and decreased by 10 percent or more in 27 wells. Measured product thicknesses increased in one well in the north-central area (TF-15), in four wells in the south-central area (on-site well GMW-10 and in off-site wells GMW-O-12, GMW-O-20, and GMW-O-23), in eastern off-site well GMW-62, and in southeastern well GMW-36. Measured product thicknesses decreased in 20 wells in the north-central area (GMW-18, GMW-45, GW-14R, RTF-18-E, RTF-18-N, RTF-18-NNW, RTF-18-NW, RTF-18-W, TF-16, TF-17R, TF-18, TFR-9, TFR-12, TFR-14, TFR-15, TFR-22, TFR-24, TFR-27, TFR-29, and TFR-33), in four wells in the south-central area (on-site wells GMW-23, GMW-24, GMW-29, GMW-30), in eastern on-site well GMW-58, in eastern off-site well GMW-68, and in southeastern off-site well GMW-O-18.

Current Conditions

Floating product was present 22 wells in the north-central area (EP-73, GMW-18, GW-14R, RTF-18-E, RTF-18-N, RTF-18-NNW, RTF-18-NW, RTF-18-W, TF-15, TF-16, TF-17R, TF-23, TFR-9, TFR-12, TFR-14, TFR-15, TFR-18, TFR-22, TFR-24, TFR-27, TFR-29, and TFR-33). The measured product thicknesses recorded in this area during the current monitoring event ranged from 0.01 foot in GMW-18, RTF-18-N, and TF-17R to 3.30 feet in TFR-29. The north-central floating product plumes are interpreted as small plumes in the vicinity of GMW-46 and TFR-27 and a larger plume extending southeast from TFR-9 to TFR-33. Compared with the product plume interpreted based upon the April 2019 gauging data, the large product plume extends further west (product measured in GMW-18 and TFR-9).

In the east-central area, floating product was measured or observed in off-site wells GMW-62 (hydrocarbon sheen) and GMW-68 (0.01 foot, measured thickness). Since April 2019, measured product thicknesses increased in off-site well GMW-62, decreased in on-site well GMW-58, and remained the same in off-site well GMW-68.

Floating product was not measured or observed in the truck rack area during this monitoring event.

Floating product was detected in the south-central area in one on-site well (0.28 foot, measured thickness, in GMW-10) and in off-site wells GMW-O-12 (0.60 foot, measured thickness), GMW-O-20 (0.03 foot, measured thickness), and GMW-O-23 (0.01 foot, measured thickness). Floating product was measured in one on-site well (GMW-10) and two off-site wells (GMW-O-20 and GMW-O-23) that did not contain product in April 2019. Based upon the current gauging data, product present in GMW-O-12 extends further north to GMW-O-20.

Floating product was detected in the southeastern 24-inch-diameter block valve area in monitoring well GMW-36 (0.02 foot, measured thickness, an increase from 0.00 foot in April 2019). Floating product was not measured or observed in off-site well GMW-O-15 (where a hydrocarbon sheen observed on groundwater in April 2019).

The current historically low water table elevations have allowed residual product to drain from pore spaces within the smear zone and collect in certain wells, or increase in thickness in wells with measurable product already present. The water table elevation is related to annual rainfall and the cumulative rainfall over time. As shown in the hydrograph on Figure 5, since the 2005/2006 El Niño, groundwater elevations in the uppermost aquifer have declined an average of approximately 12 feet to the current low water levels across the Site. Elevations in Exposition Aquifer wells have declined an average of approximately 13 feet since the 2005/2006 El Niño. Continued total fluids extraction (TFE), vacuum extraction, manual bailing, and absorbent socks will remove the product that has accumulated due to these low water levels.

3.2.1 Comparison of Current Product Distribution with Historical Maximum Measured Product Thickness

Significant reduction in the occurrence and measured thickness of floating product has been observed since remedial efforts were initiated at DFSP Norwalk. Table 3 summarizes all of the wells that have historically contained floating product along with the maximum measured product thicknesses, current (most recent) product thickness data (the majority of the current values were measured during the second semiannual 2019 groundwater monitoring event in October 2019), and the percent reduction from historical maximum thicknesses. Review of historical and current product data shows substantial reductions in measured floating product thickness throughout the Site.

In the north-central area, historical maximum product thicknesses range up to 7.42 feet (measured in TFR-29 on April 16, 1998). Based upon the most recent gauging data from this area, this plume is currently defined by 23 wells containing floating product ranging from 0.01 foot (measured thickness) in GMW-18, RTF-18-N, and TF-17R to a maximum of 3.30 feet (measured thickness) in TFR-29. Thirty-one of the 54 wells in this area that have historically contained floating product show 100 percent reduction from their historical maximum thicknesses. Forty of the 54 wells show greater than 95 percent reduction. With the exception of TF-26 and TFR-18, the remaining 14 wells show greater than 50 percent reduction from their historical maximum thicknesses.

Floating product was measured or observed in two wells in the east-central area in November 2019 (a hydrocarbon sheen in GMW-62 and 0.01 foot, measured thickness, in GMW-68). Historical maximum thicknesses in the east-central area range up to 6.07 feet (measured in GW-15 on April 13, 2013). Measured floating product thicknesses in the east-central area show greater than 99 percent reduction from their historical maximum thicknesses.

In the truck rack area, three wells have historically contained floating product with the maximum historical product thickness recorded in GMW-4 (5.74 feet measured on October 31, 2005). Measured floating product thicknesses in the truck rack area show 100 percent reduction from their historical maximum thicknesses.

In the south-central area, historical maximum product thicknesses range up to 16.82 feet (measured in MW-SF-2 on July 1, 1997). Based upon the most recent gauging data from this area, this plume is currently defined by five wells containing floating product (ranging up to 0.60 foot in GMW-O-12). Thirty-three of the 38 wells in this area that have historically contained floating product show

100 percent reduction from their historical maximum thicknesses. The significant reduction in magnitude and extent of floating product is believed to be directly related to product recovery via hand-bailing and the use of product-absorbent socks and ongoing biosparge operations in this area of the Site.

In the southeastern area, three wells have historically contained floating product with the maximum historical product thickness recorded in off-site well GMW-O-15 (6.00 feet measured on May 28, 1996). During the current monitoring event, 0.02 foot of floating product was measured in GMW-36.

Monitoring data show considerable reduction in floating product throughout the Site. Product recovery efforts at the Site will continue and will be focused on the wells with the greatest product thicknesses and wells with the lowest percent reduction from historical highs. In addition to TFE, absorbent socks and manual bailing will continue to be utilized in selected wells.

4.0 GROUNDWATER ANALYTICAL RESULTS

Groundwater quality results for the second semiannual 2019 sampling event are discussed below in Section 4.1. Analytical results are summarized in Table 4 (TPH, BTEX compounds, 1,2-DCA, and fuel oxygenates) and Table 5 (additional detected VOCs) and shown on Figure 6 (TPH), Figure 7 (benzene), Figure 8 (1,2-DCA), Figure 9 (MTBE), and Figure 10 (TBA). Historical analytical results are summarized in Appendix D.

Samples collected for DLA were analyzed by American Analytics and samples collected for SFPP were analyzed by Alpha. Note that laboratory reporting limits varied between the two laboratories for some of the analytes.

4.1 Results for Semiannual Event

The second semiannual 2019 analytical results for TPH, benzene, 1,2-DCA, MTBE, and TBA were used to develop isoconcentration contours and interpret the extent of these analytes in groundwater beneath the Site. Isoconcentration contours for TPH, benzene, 1,2-DCA, MTBE, and TBA are presented on Figures 6 through 10, respectively. Analytical results from the current semiannual sampling event and two previous sampling events (November 2018 and April 2019) also are included on these figures. The databoxes are color-coded to indicate whether the concentrations from the current semiannual event are increasing, decreasing, or stable as compared with the data reported during the second semiannual 2018 sampling event. A blue data label indicates a decrease in concentration greater than or equal to 10 percent from the previous year, a red label indicates an increase greater than or equal to 10 percent, and a white label indicates no change greater than 10 percent or the change could not be determined due to insufficient data. The changes in concentrations may be due to seasonal fluctuations of the water table elevation or remediation system operations.

Laboratory analytical results for TPH, BTEX, 1,2-DCA, MTBE, TBA, diisopropyl ether (DIPE), ethyl tertiary-butyl ether (ETBE), and tertiary-amyl methyl ether (TAME) are summarized in Table 4; additional detected VOCs are summarized in Table 5. Historical analytical results are provided in Appendix D. Time-series charts for selected monitoring and remediation wells are presented in Appendix E. Copies of the laboratory reports for the second semiannual 2019 sampling event are provided in Appendix B. The following subsections summarize the results for selected analytes or analyte groups.

4.1.1 Total Petroleum Hydrocarbons

The analytical results for TPHg and TPHd reported for each well sampled during the semiannual sampling event are summed and contoured as TPH on Figure 6. The separate concentrations of TPHg and TPHd are summarized in Table 4.

TPHg were reported in 21 of the 119 sampled wells and TPHd were reported in 59 of the 119 sampled wells. The maximum concentration of TPHg was reported in south-central area off-site

well GMW-O-14 (28,000 micrograms per liter [$\mu\text{g/L}$]). The maximum concentration of TPHd was reported in the south-central area on-site well GMW-23 (47,000 $\mu\text{g/L}$).

TPHd were reported in the sample collected by Blaine Tech from Exposition Aquifer well EXP-2 (56 $\mu\text{g/L}$). Note that TPHd were not detected at or above the 100- $\mu\text{g/L}$ laboratory reporting limit in the split sample collected by SGI from EXP-2.

TPHg were reported at historical lows in GMW-23, GMW-30, TF-21, MW-9 (primary sample), MW-SF-1, PZ-3, and TF-20R. This is the first time TPHg were not detected in GMW-30. In the majority (91 percent) of the samples, TPHg were either not detected or the reported concentrations were at or near historical lows.

TPHd were reported at historical lows in GMW-17R, GMW-30, GMW-48, MW-SF-4, PZ-5 (duplicate sample), TF-9R, and TF-21. This is the first time TPHd were not detected in GMW-17R. TPHd were reported at historical highs in GMW-21, GMW-28, GMW-62 (duplicate sample), GMW-O-17, GW-13, MW-6, MW-12, and MW-20(MID). This is the first time TPHd were reported in GMW-O-17, MW-6, and MW-20(MID). In the majority (74 percent) of the samples, TPHd were either not detected or the reported concentrations were at or near historical lows.

Comparison of Current Conditions with Data Collected in April 2019

Since the first semiannual 2019 sampling event (Jacobs, 2019), concentrations of TPHg increased in 13 wells, decreased in 12 wells, and remained the same in MW-SF-15. TPHg increased from non-detect in three wells (GMW-67, MW-8, and PZ-3). TPHg decreased to non-detect in six wells (GMW-9, GMW-19, GMW-30, GMW-O-33, GW-15, and MW-SF-6).

Since the first semiannual 2018 sampling event, concentrations of TPHd increased in 36 wells and decreased in 34 wells. TPHd increased from non-detect in eight wells [EXP-2 (detected in Blaine Tech's sample only), GMW-31, GMW-O-17, MW-6, MW-12, MW-18(MID), MW-19(MID), and MW-20(MID)]. TPHd decreased to non-detect in 12 wells (GMW-17R, GMW-19, GMW-60, GMW-64, GMW-66R, GMW-67, GMW-O-16, GW-6, GW-8, MW-16, MW-17, and MW-26).

The current distribution of TPH in groundwater, shown on Figure 6, was compared with the TPH plumes interpreted based upon data collected in April 2019. TPH in the northwest area of the Site is shown as a separate plume (TPH was not detected in GW-6, GW-8, or MW-26). The TPH plume does not extend as far off site to the west due to the reduction of TPH concentrations in WCW-7. TPH-impacted groundwater does not extend as far to the northeast (TPH not detected in GMW-66R) or off site to the east (TPH not detected in GMW-64). The south-central plume does not extend as far off site to the south (TPH not detected in GMW-O-3). The TPH plume in the southeast corner of the Site does not extend as far to the east and southeast (TPH not detected in GMW-O-16), but extends further west (TPH reported in MW-8).

Comparison of Current Conditions with Data Collected in November 2018

Since November 2018 (SGI, 2019), TPH concentrations increased by 10 percent or more in 23 wells and decreased by 10 percent or more in 26 wells.

Since November 2018, TPH increased in Exposition Aquifer well EXP-2, in southern off-site well GMW-O-14, in south-central wells GMW-9, GMW-28, MW-19(MID), MW-SF-1, MW-SF-6, MW-SF-13, MW-SF-15, and PZ-2, in tank farm area wells GMW-16, GMW-43, GMW-59, GW-2, GW-13, GW-15, MW-6, MW-12, MW-24, and TF-8, and in southeastern area wells GMW-O17, GMW-O-19, and MW-8.

Decreases in TPH since November 2018 were noted in southern off-site well GMW-O-3, in three wells in the south-central and truck rack areas [GMW-25, MW-9, and MW-18(MID)], in two wells along the eastern border and off site to the east (GMW-61 and GMW-69), and in 18 tank farm area wells [GMW-7, GMW-8, GMW-12, GMW-15, GMW-17R, GMW-19, GMW-31, GMW-35R, GMW-44, GMW-47, GMW-48, GMW-57, MW-22(MID), MW-26, MW-27, PZ-3, TF-9R, and TF-21].

The current distribution of TPH in groundwater (Figure 6) was compared with the TPH plumes interpreted based upon analytical data collected during the November 2018 sampling event. TPH in the northwest area of the Site is shown as a separate plume [TPH was not detected in MW-22(MID), MW-25, or MW-26). TPH-impacted groundwater extends further to the north in the northwest area of the Site (TPH reported in GW-2, GW-13, and MW-24). The TPH plume does not extend as far north where TPH not detected in GMW-19. In the south-central area, TPH-impacted groundwater does not extend as far to the northeast (TPH not detected in MW-15R) or as far off site to the south (TPH not detected in GMW-O-3). In the southeastern area, the TPH plume extends further west (TPH reported in MW-8) and further off site to the southeast (TPH reported in GMW-O-17 and GMW-O-19).

4.1.2 Benzene

The distribution of dissolved benzene is shown on Figure 7. During this sampling event, benzene was reported in 19 of the 119 sampled wells. Analytical results for benzene in groundwater samples collected during this semiannual event ranged from non-detect (<0.50 µg/L) in many of the wells to 13,000 µg/L in the primary and duplicate samples from southern off-site well GMW-O-14. Benzene was reported at historical lows in GMW-62 (duplicate sample), GW-15, MW-SF-6, MW-SF-15, and TF-20R. This is the first time benzene was not detected (<0.50 µg/L) in GW-15. In the majority (92 percent) of the samples, benzene was either not detected or the reported concentrations were at or near historical lows. The dissolved benzene plumes remain within the historical lateral limits and the distribution of dissolved benzene is similar to the distribution seen during recent sampling events, as discussed below.

Benzene was detected in southern off-site wells GMW-O-14 (13,000 µg/L) and GMW-O-21 (3,900 and 3,500 µg/L), in south-central on-site wells MW-SF-6 (2.8 µg/L) and MW-SF-15 (0.55 µg/L) in eastern off-site wells GMW-62 (14 and 12 µg/L), GMW-67 (0.75 µg/L), and GMW-69 (58 µg/L), in southeastern off-site wells GMW-O-15 (470 µg/L), GMW-O-18 (39 µg/L), and PZ-5 (0.52 µg/L; note that benzene was not detected [<0.50 µg/L] in the primary sample from PZ-5), and in tank farm area wells GMW-7 (5.1 µg/L), GMW-17R (1.3 µg/L), GMW-19 (1.5 µg/L), GMW-35R (11 µg/L), GMW-45 (99 µg/L), GMW-58 (19 µg/L), TF-18 (33 and 30 µg/L), TF-20R (29 µg/L), and TF-21 (2.1 µg/L).

Benzene was not detected at or above laboratory reporting limits in the samples collected from the Exposition Aquifer wells during the second semiannual 2019 sampling event.

Comparison of Current Conditions with Data Collected in April 2019

Since the first semiannual 2019 sampling event (Jacobs, 2019), benzene concentrations increased in ten wells and decreased in nine wells. Benzene increased from non-detect (<0.50 µg/L) in five wells (GMW-7, GMW-17R, GMW-35R, GMW-67, and GMW-69) and decreased to non-detect (<0.50 µg/L) in three wells (GMW-30, GMW-59, and GW-15).

The current distribution of benzene in groundwater, shown on Figure 7, was compared with the benzene plumes interpreted based upon data collected in April 2019. In the tank farm area, although the benzene plumes have generally receded, benzene-impacted groundwater is present further to the west (benzene reported in GMW-7 and GMW-17R) and further to the east (benzene reported in GMW-35R), but not as far to the south (benzene not detected in GMW-59 and GW-15). Benzene-impacted groundwater is present further off site to the east (benzene reported in GMW-67 and GMW-69). Benzene-impacted groundwater in the south-central area does not extend as far to the west (benzene not detected in GMW-30).

Comparison of Current Conditions with Data Collected in November 2018

Since November 2018 (SGI, 2019), benzene concentrations increased by 10 percent or more in four wells and decreased by 10 percent or more in 16 wells. Increases in benzene were noted in tank farm area well GMW-7, southern off-site well GMW-O-14, southeastern off-site well GMW-O-15, and eastern off-site wells GMW-67. Since November 2018, benzene decreased in southern off-site well GMW-O-3, south-central area on-site wells GMW-28, MW-SF-6, MW-SF-13, and MW-SF-15, in eastern off-site wells GMW-62 and GMW-69, and in tank farm area wells GMW-17R, GMW-19, GMW-35R, GMW-48, GW-15, PZ-3, TF-9R, TF-20R, and TF-21.

The current distribution of benzene in groundwater (Figure 7) was compared with the benzene plumes interpreted based upon analytical data collected during the November 2018 sampling event. The benzene plumes are in the same general areas of the Site. In the tank farm area, the extent of benzene-impacted groundwater has generally receded (benzene not detected in GMW-48, GW-15, PZ-3, or TF-9R), but locally extends further northward (benzene reported in GMW-7, GMW-45, and GMW-58), and further off site to the east (benzene reported in GMW-67). In the south-central area, benzene-impacted groundwater does not extend as far to the west (benzene not detected in GMW-23, GMW-28, GMW-30, or GMW-SF-13) or off site to the south (benzene not detected in GMW-O-3). The benzene plume in the southeastern corner of the Site extends further north (benzene reported in GMW-O-18 and PZ-5).

4.1.3 1,2-Dichloroethane

The distribution of dissolved 1,2-DCA is shown on Figure 8. During this sampling event, 1,2-DCA was reported in 11 of the 119 sampled wells. Analytical results for 1,2-DCA in groundwater samples collected during this semiannual event ranged from non-detect (<0.50 µg/L) in many of the wells to 11 µg/L reported in southern off-site well GMW-O-10. 1,2-DCA was reported in western off-site wells WCW-6 (1.4 µg/L) and WCW-7 (4.2 µg/L) and southern off-site well GMW-O-10 (11 µg/L). 1,2-DCA

was not detected in any other off-site wells during this sampling event. All concentrations were within the range of historical values. In the majority (97 percent) of the samples, 1,2-DCA was either not detected or the reported concentrations were at or near historical lows. The current distribution of 1,2-DCA in groundwater is shown on Figure 8. Analytical results reflect a 1,2-DCA groundwater plume in the western area of the Site that extends off site to the west and a small, separate plume at off-site well GMW-O-10.

1,2-DCA was not detected at or above laboratory reporting limits in samples collected from the Exposition Aquifer wells during the second semiannual 2019 sampling event.

As summarized in Appendix D and shown on Figure 8, 1,2-DCA concentrations in groundwater in the vicinity of the West Side Barrier and in the western off-site area have remained consistently low since 2005. Pumping of the West Side Barrier wells was discontinued in August 2008; groundwater quality conditions in the area have been stable since then and will continue to be monitored.

Comparison of Current Conditions with Data Collected in April 2019

Since the April 2019 sampling event (Jacobs, 2019), 1,2-DCA concentrations increased in five wells [GMW-O-10, GW-13, GWR-1R, MW-22(MID), and WCW-6] and decreased in seven wells [GMW-28, MW-6, MW-7, MW-19(MID), MW-20(MID), MW-21(MID), and WCW-7]. 1,2-DCA increased from non-detect (<0.50 µg/L) in GW-13 and MW-22(MID) and decreased to non-detect (<0.50 µg/L) in GMW-28 and MW-7. Comparing the 1,2-DCA plume based upon the November 2019 analytical results with the April 2019 1,2-DCA plume, the 1,2-DCA plume is in the same general area but extends further to the north (1,2-DCA detected in well GW-13). The 1,2-DCA present in off-site well GMW-O-10 was interpreted as a separate, isolated plume because 1,2-DCA was not detected in GMW-9, GMW-23, GMW-35, GMW-26, GMW-30, and MW-7. 1,2-DCA was not detected in off-site well GMW-O-14, where 1,2-DCA was reported in April 2019.

Comparison of Current Conditions with Data Collected in November 2018

Since November 2018 (SGI, 2019), 1,2-DCA concentrations increased by 10 percent or more in five wells and decreased by 10 percent or more in four wells. Increases in 1,2-DCA were noted monitoring wells southern off-site well GMW-O-10, tank farm area wells MW-6, MW-20(MID), MW-22(MID), and western off-site well WCW-6. 1,2-DCA decreased in western on-site wells GW-13, MW-7, MW-19(MID), and in western off-site well WQCW-7.

The current distribution of 1,2-DCA in groundwater (Figure 8) was compared with the 1,2-DCA plumes interpreted based upon analytical data collected during the November 2018 sampling event. The 1,2-DCA plume in the western area of the Site is in the same general area but extends further off site to the west (1,2-DCA reported in off-site well WCW-6) and does not extend as far south (1,2-DCA not detected in MW-7). 1,2-DCA was not detected (<2.0 µg/L) in southern on-site well MW-SF-15 (where 0.85 µg/L 1,2-DCA was reported in November 2018).

4.1.4 Methyl Tertiary-Butyl Ether

The distribution of dissolved MTBE is shown on Figure 9. During this sampling event, MTBE was reported in 22 of the 119 sampled wells. Analytical results for MTBE in groundwater samples

collected during this semiannual event ranged from non-detect in many of the wells to 530 µg/L in southeastern off-site well GMW-O-15. MTBE was reported at the historical low in MW-SF-6 and at the historical high in GMW-23 (detected for the first time). In the majority (96 percent) of the samples, MTBE was either not detected or the reported concentrations were at or near historical lows.

MTBE was not detected at or above laboratory reporting limits in samples collected from the Exposition Aquifer wells during the second semiannual 2019 sampling event.

The distribution of MTBE in groundwater, based upon the current analytical results, is shown on Figure 9. The distribution of dissolved MTBE is similar to the distribution seen during recent sampling events as discussed below.

Comparison of Current Conditions with Data Collected in April 2019

Since the April 2019 sampling event (Jacobs, 2019), MTBE concentrations increased in 11 wells and decreased in 17 wells. MTBE increased from non-detect in GMW-35R, MW-27, and PZ-3 and decreased to non-detect in GMW-19, GMW-21, GMW-26, GW-2, GW-6, MW-9, MW-24, and PZ-2.

Based upon the analytical results for the November 2019 sampling event, MTBE was present in the south-central and western areas of the Site, in the tank farm area, and in the southeastern corner of the Site. Dissolved MTBE is present in the same general areas, but is not as extensive. In the northwestern tank farm area, MTBE was not detected in GW-2, GW-6, MW-24, MW-25, or TF-6, but was reported in MW-27. In the central and eastern tank farm area, MTBE was reported in GMW-35R and PZ-3, but was not detected in GMW-19 or TF-23. The MTBE plume in the south-central area appears much smaller because MTBE was not detected in GMW-26, GMW-O-14, GMW-O-21, MW-9, or PZ-2. The MTBE plume in the southeastern corner extends further east (MTBE reported in GMW-O-16).

Comparison of Current Conditions with Data Collected in November 2018

Since November 2018 (SGI, 2019), MTBE concentrations increased by 10 percent or more in 12 wells and decreased by 10 percent or more in six wells. Increases in MTBE were noted in south-central area wells GMW-9, MW-18(MID), and MW-SF-15, in western off-site well WCW-7, in southeastern off-site wells GMW-O-16 and PZ-5, and in tank farm area wells GMW-35R, GMW-57, GW-13, MW-20(MID), MW-22(MID), and PZ-3. Since November 2018, MTBE decreased in south-central wells MW-SF-6 and PZ-2, truck rack area well MW-9, southeastern off-site well GMW-O 15, and tank farm wells GMW-17R and MW-6.

The current distribution of MTBE in groundwater (Figure 9) was compared with the MTBE plumes interpreted based upon analytical data collected during the November 2018 sampling event. The MTBE plumes are in the same general areas of the Site. Dissolved MTBE in the northwestern tank farm area extends further to the north (MTBE reported in GW-13) and off site to the west (MTBE reported in WCW-7), but does not extend as far to the south (MTBE not detected in MW-25). MTBE was not detected in central tank farm area well GMW-17R. The MTBE plume in the south-central area appears smaller because MTBE was not detected in GMW-25, MW-9, or PZ-2. The dissolved MTBE plume in the southeastern corner extends further to the east (MTBE reported in GMW-O-16) and further to the north (MTBE reported in GMW-O-18).

4.1.5 Tertiary-Butyl Alcohol

The distribution of dissolved TBA is shown on Figure 10. During this sampling event, TBA was reported in 19 of the 119 sampled wells. Analytical results for TBA in groundwater samples collected during this semiannual event ranged from non-detect (<10 µg/L) in many of the wells to 54,000 µg/L reported in the duplicate sample collected from southeastern off-site well PZ-5. TBA was reported at historical lows in GMW-9, GMW-30, and GWR-1R and at the historical high in GMW-28. This is the first time TBA was not detected (<10 µg/L) in GWR-1R. In the majority (89 percent) of the samples, TBA was either not detected or the reported concentrations were at or near historical lows. The distribution of TBA in groundwater, based upon the current analytical results, is shown on Figure 10. The distribution of dissolved TBA is similar to the distribution reported during recent sampling events as discussed below.

TBA was not detected at or above laboratory reporting limits in the samples collected from Exposition Aquifer wells during the current sampling event.

Based upon the analytical results for the November 2019 sampling event, several areas of the Site are impacted by TBA. As shown on Figure 10, dissolved TBA plumes were interpreted in the south-central area of the Site, in the southeastern corner, and in the eastern tank farm. Smaller, isolated plumes were interpreted at tank farm area wells GMW-7, GMW-21, GW-13, MW-19(MID), MW-20(MID), and MW-22(MID).

Comparison of Current Conditions with Data Collected in April 2019

Since the April 2019 sampling event (Jacobs, 2019), TBA concentrations increased in eight wells and decreased in 12 wells. TBA decreased to non-detect (<10 µg/L) in south-central wells GMW-9, GMW-26, and GWR-1R and in western off-site well WCW-6. TBA increased from non-detect (<10 µg/L) in south-central wells GMW-21 and MW-18(MID) and in western on-site wells GW-13 and MW-22(MID). In the southwestern area, the south-central TBA plume is not as extensive as in April 2019 [TBA was not detected in off-site well WCW-6 or in on-site wells GMW-9, GMW-26, GMW-O-14, GMW-O-21, or GWR-1R, but was reported in MW-18(MID)].

Comparison of Current Conditions with Data Collected in November 2018

Since November 2018 (SGI, 2019), TBA concentrations increased by 10 percent or more in 12 wells and decreased by 10 percent or more in six wells. Increases in TBA were noted in south-central area on-site wells GMW-28, MW-18(MID), and MW-SF-6, in southeastern off-site well GMW-O-15, and tank farm area wells GMW-7, GMW-21, GMW-35R, GMW-47, GMW-57, GW-13, MW-20(MID), and MW-22(MID). TBA decreased by more than 10 percent since November 2018 in south-central area on-site wells GMW-9, GWR-1R, MW-19(MID), and MW-SF-15, truck rack area well MW-9, and in southeastern off-site well PZ-5.

The current distribution of TBA in groundwater (Figure 10) was compared with the TBA plumes interpreted based upon analytical data collected during the November 2018 sampling event. The TBA plumes are in the same general areas of the Site. TBA was reported in western tank farm area wells GW-13, MW-20(MID), and MW-22(MID), central tank farm area well GMW-7, and eastern tank

farm area wells GMW-57 and TF-18. In the south-central area, TBA was not detected in monitoring wells GMW-9 and MW-9.

4.1.6 Other Fuel Oxygenates

Pursuant to the RWQCB's request in March 2009, analysis for other fuel oxygenates including DIPE, ETBE, and TAME in accordance with EPA Method 8260B was included in the November 2019 sampling event. ETBE was reported in southeastern off-site well PZ-5 (2.5 and 2.3 µg/L). TAME was reported in southeastern off-site well GMW-O-15 (18 µg/L). DIPE was reported in 12 of the 119 sampled wells. Analytical results for DIPE in groundwater samples collected during this semiannual event ranged from non-detect in the majority of the wells to 190 µg/L in the primary and duplicate samples collected from southern off-site well GMW-O-14.

Since April 2019 (Jacobs, 2019), ETBE decreased in PZ-5 and TAME increased in GMW-O-15. Since April 2019, DIPE increased in seven wells and decreased in seven wells. DIPE decreased to non-detect (<1.0 µg/L) in GMW-26 and GWR-1R. DIPE was reported at historical lows in GWR-1R and MW-19(MID). This is the first time DIPE was not detected in GWR-1R. DIPE was reported at historical highs in GMW-O-10 and MW-SF-15. This is the first time DIPE was reported in GMW-O-10.

4.2 Quality Assurance/Quality Control

American Analytics and Alpha did not report any significant quality assurance/quality control issues with the analytical work performed as part of the November 2019 semiannual event. A total of 13 duplicate groundwater samples, three split samples, nine trip blanks, and 15 equipment blanks were submitted for analysis. Analytical results for duplicate, split, and confirmation groundwater samples and trip/equipment blanks are summarized in Tables 6 and 7, respectively. Results for duplicate and split samples were comparable with the results reported for the primary samples. With the exceptions of low concentrations of acetone reported in two of the equipment blanks, the trip blank and equipment blank samples were non-detect for all analytes.

4.3 Water Disposal

Purged groundwater from DLA sampling activities (approximately 156 gallons) was treated at DLA's on-site remediation system located in the northern portion of the Site and discharged under National Pollutant Discharge Elimination System (NPDES) Permit No. CAG994004. Purged groundwater extracted by Blaine Tech on behalf of SFPP (approximately 44 gallons) was treated at SFPP's on-site remediation system located in the south-central area of the Site and discharged under NPDES Permit No. CA0063509.

4.4 Health and Safety

Field activities were conducted in accordance with the Site-specific health and safety plans. The health and safety plans include protocol for safe work practices during the field portion of the project.

Personnel working at the Site were required to read, sign, and adhere to the health and safety plans. The health and safety plans were in effect throughout the monitoring event.

5.0 REMEDIATION SYSTEM OPERATIONS AND EFFECTIVENESS

5.1 System Operations

SFPP and DLA currently submit quarterly remediation progress reports to the RWQCB and Restoration Advisory Board (RAB) to provide details of the remediation system operations. DLA created a website (Norwalkrab.com) to house project information, which includes agendas, minutes, and presentations from RAB meetings dating back to 1994. In addition, historical project information and reports can be located in the information repository at the Norwalk Regional Library.

Both SFPP and DLA remediation systems were off line at least one week prior to conducting semiannual monitoring in November 2019 to allow fluid levels to recover to near static conditions prior to gauging wells at the Site. SFPP's West Side Barrier groundwater extraction (GWE) system, which includes wells BW-1 through BW-9, has been shut down since August 2008. The north-central biosparging remediation system is currently offline due to soil cleanup activities that were recently completed (final soil closure report pending) with operations anticipated to resume on an expanded basis during early 2019.

5.1.1 DLA

Remediation technologies utilized at the Site include soil vapor extraction (SVE), GWE, biosparging, and removal of floating product via manual bailing, passive skimming, active pumping using a portable skimming pump, and absorbent socks at specific wells. DLA conducts GWE from two pumping wells (GW-2 and GW-13) in the northwestern corner of the Site and from two wells (GW-15 and GW-16) in the northeastern area bordering Holifield Park. Treated effluent is discharged to the local publicly owned treatment works in accordance with the Sanitation Districts of Los Angeles County Industrial Wastewater Discharge Permit No. 22453 issued on October 1, 2019. Previously, treated effluent was discharged to the storm drain in accordance with NPDES Permit No. CAG994004, Order R4-2018-0125. A request to terminate the existing NPDES Permit was submitted to the RWQCB on October 24, 2019, and is pending approval. The GWE system is operated to hydraulically contain the dissolved plumes and to enhance the recovery of floating product.

An automated product-recovery system has been operating since August 2016 and was expanded during the fourth quarter 2018. The system consists of pneumatically activated product-removal pumps deployed in key wells located in the north-central portion of the Site, including wells TFR-9 to the northwest and TRF-20 to the east. The recovered product is routed to an aboveground storage tank located within the existing treatment compound via double-contained conveyance piping for subsequent off-site removal by a licensed transport, recycling, and disposal company.

SGI, on behalf of DLA, has completed shallow soil remediation at DFSP Norwalk (excavation and on-site treatment of contaminated vadose zone soils to depths up to 25 feet bgs), with approximately 107,000 cubic yards excavated and 70,000 cubic yards of soil treated. The goal of this remediation was to remove source-area soils that continue to contribute to the degradation of groundwater and

to ready the real property of the Site for eventual conveyance. This remediation was conducted in accordance with the RWQCB-approved *Soil Remedial Action Plan* (SGI, 2014), *Revised Field Sampling and Analysis Plan and Strategy Plan* (SGI, 2015a), *Workplan for Soil VOC Analyses Results Validation* (SGI, 2015b), and *Proposed Addendum to the Soil Cleanup Goals* (SGI, 2015c). Soils in areas identified for remediation were excavated and treated on site. After the RWQCB reviewed confirmation sample results, the RWQCB approved the treated soil for reuse as backfill for the remedial excavations. All soil has been treated and all excavations have been filled. Post-remediation soil-gas verification sampling has been completed and the results were submitted to the RWQCB.

5.1.2 SFPP

The remediation systems currently operated by SFPP consist of SVE, TFE, GWE, and treatment of extracted soil vapor and groundwater to address two specific areas at and near the Site: the south-central area and the southeastern area. Biosparging is also employed in the south-central area to enhance natural attenuation of hydrocarbon constituents. SFPP also previously operated a GWE system for remediation of the western off-site area (or West Side Barrier area). For most of 2019, SFPP was extracting total fluids (i.e., groundwater and floating product, if present) from six wells in the south-central area (GMW-9, GMW-O-11, GMW-O-20, GMW-O-21, MW-SF-3, and MW-SF-15) and from three wells in the southeastern 24-inch block valve area (GMW-36, GMW-O-18, and GMW-SF-9), but TFE has been inoperative since approximately mid-November for system maintenance. SFPP's TFE and GWE systems are designed to contain and reduce the extent of floating product, provide hydraulic capture of dissolved constituents of concern, and lower the floating product surface (where present) and groundwater table, thus exposing more hydrocarbon-impacted soil for SVE. Additionally, SFPP conducts manual bailing of floating product in selected wells, as needed.

SFPP installed a horizontal biosparge system in the south-central area of the Site in December 2015. The system includes an 850-foot-long horizontal biosparge well set at 45 feet bgs and connected to an aboveground air compressor system. At the end of 2017, a 733-foot-long, east-west-oriented horizontal biosparge well set at 45-feet bgs was installed in the southeastern corner of the Site, where the well screen interval is centered in the southeastern area hydrocarbon plume. Additional air sparging equipment for operating the new biosparge well was installed at the end of 2018.

At the end of 2019, two additional horizontal remediation wells were installed to treat the south-central off-site plume area, including another biosparge well (770 feet long, set at 45 feet bgs) and a SVE well (742 feet long, set at 21 feet bgs) to capture vapors and reduce the risk of soil vapors generated during biosparging from impacting the residential area. These wells are "stacked" (i.e., vertically staggered), meaning that they follow the same trajectory, but the biosparge well is set at 40 feet bgs and the SVE well is set at 21 feet bgs, offset horizontally from one another by approximately 10 feet. It is expected that the two on-site biosparge wells and the new off-site south-central biosparge well will be operative in early 2020 and mid-2020, respectively.

The compressor used to deliver ambient air to the biosparge wells has a maximum design rate of approximately 500 standard cubic feet per minute. SFPP's SVE system has an interlock that ensures the biosparge system cannot operate unless the SVE system is operating. Operation of the SVE system reduces the potential for off-gassing of VOCs during biosparge operations.

In addition to expanding the biosparge system, SFPP recently completed upgrades to the SVE system in the southeastern area of the Site. Specifically, in early 2019, three new SVE wells were installed and, at the end of 2019, three existing groundwater monitoring wells were converted to SVE wells and connected to the SVE treatment system. It is expected that the expanded SVE system will be operative in early 2020 to coincide with startup of the new southeastern biosparge well. The objective of these enhancements is to create a soil vapor capture zone that is larger than the biosparge zone of influence, thus reducing the risk of soil vapors generated during biosparging from migrating off site and impacting the residential area.

5.2 System Effectiveness

Based on the results presented in this report, the data indicate that DLA's remediation systems in the north-central area and SFPP's remediation systems in the south-central and southeastern areas are effectively containing dissolved-phase constituents across the Site, and are reducing residual hydrocarbon concentrations. The lateral extent of dissolved-phase plumes appears to be stable and consistent with previous sampling events. Dissolved-phase constituents in the eastern and western off-site areas have been non-detect or at concentrations near the laboratory reporting limit, indicating the plumes have been generally contained on site. The extent of the plume in the eastern area is interpreted to extend off site beneath the western portion of Holifield Park, upgradient from the Site. The planned expansion of remediation by SVE and biosparging in the eastern part of the Site is expected to provide additional remediation of groundwater to address on-site and off-site groundwater contamination in the eastern part of the Site.

In the south-central area, the off-site extent of dissolved-phase constituents is limited to areas north of Cheshire Street, which is consistent with previous sampling events. SFPP will continue to extract groundwater in the south-central area and monitor for MTBE and other constituents, as necessary. The magnitude and extent of floating product in the south-central area have declined substantially since October 2015 (pre-biosparge conditions). It is believed that the decrease in product thickness and areal extent is a result of biosparge operations that have been implemented in the south-central area since January 2016. SFPP believes the south-central biosparge system has reached its technical endpoint, thus, in the near-term, SFPP plans to temporarily suspend biosparge activities in the south-central area to evaluate the natural source zone depletion rate. If the natural source zone depletion rate is sufficient, SFPP may seek approval from the RWQCB to turn off the south-central biosparge system.

In the southeastern area, the lateral extent of the dissolved-phase plume has been relatively stable since hydrocarbon constituents were pulled downgradient from wells GMW-36 and GMW-O-15 after the initiation of extraction activities at well GMW-O-18 in April 2010 in response to a request from the RWQCB. Downgradient well GMW-O-24 has not had detectable hydrocarbon constituents since

June 2015, demonstrating that the plume is stable. SFPP will continue to extract groundwater in the southeastern area and monitor for MTBE and other constituents. SFPP expects that operation of the new southeastern biosparge well and expanded SVE system (and eventually the off-site south-central biosparge/SVE system) will be similar to the south-central treatment schedule, whereby the biosparge system technical endpoint will be reached in approximately two years. Additional details about the SFPP remediation system performance are provided in the quarterly remediation progress reports.

The increased thickness of floating product in Site wells may be attributed to declining water levels across the Site as discussed in Section 3.2. During the second semiannual 2019 groundwater monitoring event, water levels in the uppermost groundwater zone were observed to be at historical lows. TFE, using the recently expanded network of product-recovery wells, and/or manual product recovery operations (i.e., hand-bailing or fuel-absorbent socks) will continue to maximize product removal across the Site.

The low detections of MTBE and 1,2-DCA in the western area do not warrant restarting the SFPP West Side Barrier treatment system; however, hydrocarbon constituents will continue to be monitored in this area.

6.0 SUMMARY

This section presents a summary of findings, data evaluation, and recommendations, if warranted, associated with the second semiannual 2019 groundwater monitoring and sampling event conducted at the DFSP Norwalk. During the second semiannual 2019 event, liquid levels in 185 monitoring wells were gauged and groundwater samples were collected from 119 wells. Including duplicate, split, and confirmation samples, a total of 135 groundwater samples were analyzed.

6.1 Groundwater Elevation and Gradient Conditions

Based upon the gauging results, groundwater elevations in the uppermost groundwater zone (excluding wells containing measurable floating product) ranged from 35.25 to 45.58 feet above MSL. Since the April 2019 monitoring event, groundwater elevations dropped an average of 1.36 foot in uppermost groundwater zone wells that did not contain floating product. Based upon the gauging data collected during this monitoring event, the groundwater surface is generally characterized by a groundwater depression in the southwestern area with gradients converging toward this depression. Off-site to the west, groundwater gradients are westward. Localized groundwater depressions were interpreted in several areas based upon the relatively lower elevations in GMW-8, GMW-54, GMW-58, GMW-O-21, GW-15, TF-8, and TF-24. Groundwater mounding was indicated near TF-19 and in the southeastern area in the vicinity of GMW-O-15 and MW-8. Gradients ranged from approximately 0.001 to 0.076 ft/ft.

Groundwater elevations in the Exposition Aquifer wells ranged from 16.50 to 16.91 feet above MSL. Since the April 2019 monitoring event, elevations in Exposition Aquifer wells dropped an average of 1.22 foot. The groundwater gradient in the Exposition Aquifer is generally flat beneath the Site. Based upon data collected during the current monitoring event, the groundwater gradient was westward at approximately 0.0007 ft/ft in the southeast corner of the Site and toward the northeast off site to the northwest.

6.2 Distribution of Floating Product

During this semiannual monitoring event, floating product was measured or observed in 29 of the 185 wells that were gauged:

- North-central area: EP-73, GMW-18, GW-14R, RTF-18-E, RTF-18-N, RTF-18-NNW, RTF-18-NW, RTF-18-W, TF-15, TF-16, TF-17R, TF-23, TFR-9, TFR-12, TFR-14, TFR-15, TFR-18, TFR-22, TFR-24, TFR-27, TFR-29, and TFR-33;
- Eastern area: GMW-62 and GMW-68;
- South-central area: GMW-10, GMW-O-12, GMW-O-20, and GMW-O-23; and
- Southeastern area: GMW-36.

Floating product present on groundwater during this monitoring event ranged from a hydrocarbon sheen observed in GMW-62 to 3.30 feet, measured thickness, in TFR-29. Since the April 2019

monitoring event, measured product thicknesses increased in 19 wells, decreased in 12 wells, and remained the same in GMW-68. Overall, product thicknesses increased by an average of 0.18 foot since April 2019. Changes in measured product thickness ranged from an increase of 1.42 foot in TF-15 to a decrease of 0.83 foot in TF-17R.

TFE in wells across the Site will continue to optimize product recovery. Manual bailing of product and deployment of fuel-absorbent socks will also continue in wells that are not equipped for TFE. Discussion of treatment system operation and performance including product recovery volumes are presented in quarterly remediation status reports.

Current product thicknesses, based upon the most recent gauging data, were compared with historical maximum product thicknesses. Substantial reduction in measured product thicknesses was indicated throughout the Site. Of the 104 wells that have historically contained floating product, only 31 wells were reported to contain floating product based upon the most recent gauging data for each well. Measured product thicknesses have declined by 90 percent or more from historical maximum thicknesses in 91 of the 104 wells that have historically contained floating product.

6.3 Dissolved-Phase Constituents

6.3.1 Total Petroleum Hydrocarbons

TPHg was detected in 21 of the 119 sampled wells and TPHd was detected in 59 of the 119 sampled wells. Concentrations of TPHg ranged up to 28,000 µg/L in south-central area off-site well GMW-O-14. Concentrations of TPHd ranged up to 47,000 µg/L in south-central on-site well GMW-23. TPHd were reported in the sample collected by Blaine Tech from Exposition Aquifer well EXP-2 (56 µg/L; note that TPHd were not detected at or above the 100-µg/L laboratory reporting limit in the sample collected by SGI from EXP-2).

Since April 2019, TPHg concentrations increased in 13 wells, decreased in 12 wells, and remained the same in MW-SF-6. TPHg increased from non-detect in three wells and decreased to non-detect in six wells. TPHg were reported at historical lows in GMW-23, GMW-30, TF-21, MW-9 (primary sample), MW-SF-1, PZ-3, and TF-20R. This is the first time TPHg were not detected in GMW-30. TPHg were not reported in samples collected from the Exposition Aquifer wells during this sampling event.

Since the April 2019 sampling event, TPHd concentrations increased in 36 wells and decreased in 34 wells. TPHd increased from non-detect in eight wells and decreased to non-detect in 12 wells. TPHd were reported at historical highs in eight wells and were reported at historical lows in seven wells. This is the first time TPHd were not detected in GMW-17R.

Compared with the TPH plumes interpreted based upon data collected in April 2019, the distribution of dissolved TPH is similar with the following observed differences. TPH in the northwest area of the Site is shown as a separate plume (TPH was not detected in GW-6, GW-8, or MW-26). The TPH plume does not extend as far off site to the west due to the reduction of TPH concentrations in WCW-7. TPH-impacted groundwater does not extend as far to the northeast (TPH not detected in GMW-66R) or off site to the east (TPH not detected in GMW-64). The south-central plume does not

extend as far off site to the south (TPH not detected in GMW-O-3). The TPH plume in the southeast corner of the Site does not extend as far to the east and southeast (TPH not detected in GMW-O-16), but extends further west (TPH reported in MW-8).

6.3.2 Benzene

Benzene was reported in 19 of the 119 sampled wells. Benzene concentrations ranged from non-detect (<0.50 µg/L) in many of the wells to 13,000 µg/L reported in the primary and duplicate samples from southern off-site well GMW-O-14. Benzene was not detected in any of the Exposition Aquifer wells during this sampling event.

Since April 2019, benzene concentrations increased in ten wells and decreased in nine wells. Benzene increased from non-detect (<0.50 µg/L) in five wells and decreased to non-detect in three wells. Benzene was reported at historical lows in GMW-62, GW-15, MW-SF-6, MW-SF-15, and TF-20R. This is the first time benzene was not detected (<0.50 µg/L) in GW-15.

Compared with the benzene plumes interpreted based upon data collected in April 2019, the extent of benzene-impacted groundwater has generally receded. Benzene-impacted groundwater is present further to the west (benzene reported in GMW-7 and GMW-17R) and further to the east (benzene reported in GMW-35R), but not as far to the south (benzene not detected in GMW-59 and GW-15). Benzene-impacted groundwater is present further off site to the east (benzene reported in GMW-67 and GMW-69). Benzene-impacted groundwater in the south-central area does not extend as far to the west (benzene not detected in GMW-30).

6.3.3 1,2-Dichloroethane

1,2-DCA was reported in 11 of the 119 sampled wells. 1,2-DCA concentrations ranged from non-detect (<0.50 µg/L) in many of the wells to 11 µg/L reported in southern off-site well GMW-O-10. 1,2-DCA was reported in western off-site wells WCW-6 and WCW-7 and southern off-site well GMW-O-10. 1,2-DCA was not detected in any other off-site wells during this sampling event. 1,2-DCA was not detected in any of the Exposition Aquifer wells during this sampling event.

Since April 2019 sampling event, 1,2-DCA concentrations increased in five wells and decreased in seven wells. 1,2-DCA increased from non-detect in GW-13 and MW-22(MID) and decreased to non-detect in GMW-28 and MW-7. All concentrations were within the range of historical values.

Analytical results reflect a 1,2-DCA groundwater plume in the western area of the Site that extends off site to the west. The 1,2-DCA plume is in the same general area as in April 2019 but extends further to the west and not as far to the south.

6.3.4 Methyl Tertiary-Butyl Ether

MTBE was reported in 22 of the 119 sampled wells. Concentrations of MTBE ranged from non-detect in many of the wells to 530 µg/L reported in southeastern off-site well GMW-O-15. MTBE was reported in western off-site well WCW-7 and in southeastern off-site wells GMW-O-15, GMW-O-16,

GMW-O-18, and PZ-5. MTBE was not detected in any of the Exposition Aquifer wells during this sampling event.

Since the April 2019 sampling event, MTBE concentrations increased in 11 wells and decreased in 17 wells. MTBE increased from non-detect in three wells and decreased to non-detect in eight wells. MTBE was reported at the historical high in GMW-23 (detected for the first time) and was reported at the historical low in MW-SF-6.

Dissolved MTBE is present in the same general areas as in April 2019, but is not as extensive. In the northwestern tank farm area, MTBE was not detected in GW-2, GW-6, MW-24, MW-25, or TF-6, but was reported in MW-27. In the central and eastern tank farm area, MTBE was reported in GMW-35R and PZ-3, but was not detected in GMW-19 or TF-23. The MTBE plume in the south-central area appears much smaller because MTBE was not detected in GMW-26, GMW-O-14, GMW-O-21, MW-9, or PZ-2. The MTBE plume in the southeastern corner extends further east (MTBE reported in GMW-O-16).

6.3.5 Tertiary-Butyl Alcohol

TBA was reported in 19 of the 119 sampled wells. Concentrations of TBA ranged from non-detect (<10 µg/L) in many of the wells to 54,000 µg/L in southeastern off-site well PZ-5. TBA was not detected in any of the Exposition Aquifer wells during this sampling event.

Since the April 2019 sampling event, TBA concentrations increased in eight wells and decreased in 12 wells. TBA was reported at historical lows in three wells and at the historical high in GMW-28. This is the first time TBA was not detected in GWR-1R.

In the southwestern area, the south-central TBA plume is not as extensive as in April 2019. TBA was not detected in off-site well WCW-6 or in on-site wells GMW-9, GMW-26, GMW-O-14, GMW-O-21, or GWR-1R), but was reported in MW-18(MID).

6.3.6 Other Fuel Oxygenates

Groundwater samples collected during the November 2019 sampling event were analyzed for additional fuel oxygenates including ETBE, TAME, and DIPE. ETBE was reported in southeastern off-site well PZ-5. TAME was reported in southeastern off-site well GMW-O-15. DIPE was reported in 12 of the 119 sampled wells. Analytical results for DIPE in groundwater samples collected during this semiannual event ranged from non-detect in the majority of the wells to 190 µg/L in the southern off-site well GMW-O-14.

Since April 2019, ETBE decreased in PZ-5 and TAME increased in GMW-O-15. DIPE increased in seven wells and decreased in seven wells since April 2019. DIPE decreased to non-detect in GMW-26 and GWR-1R. DIPE was reported at historical highs in GMW-O-10 and MW-SF-15 and at historical lows in GWR-1R and MW-19(MID). This is the first time DIPE was not detected in GWR-1R and the first time DIPE was reported in GMW-O-10. Fuel oxygenates will continue to be monitored, and results will be further assessed to determine whether additional actions are necessary.

7.0 LIMITATIONS

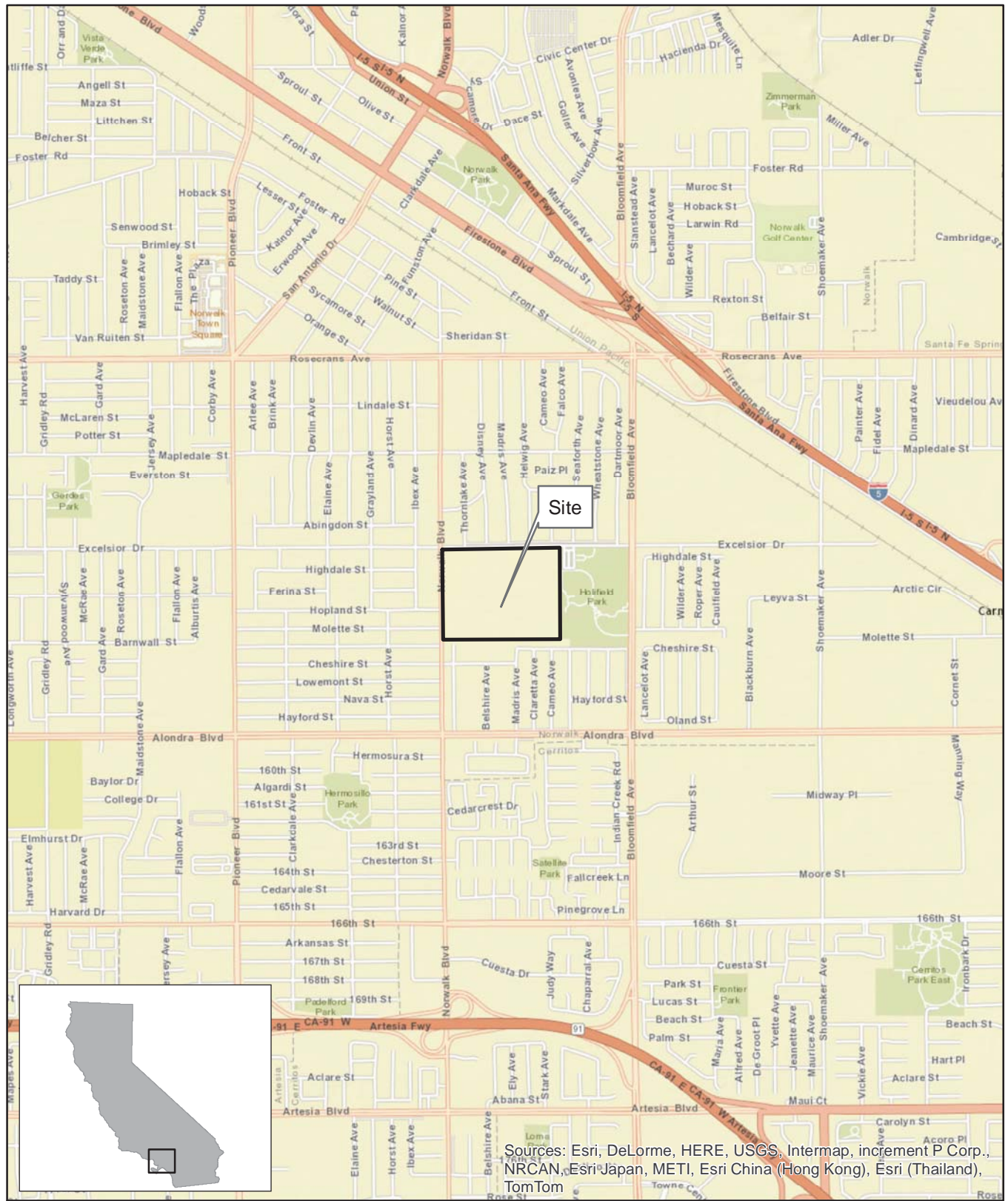
This document was prepared for the exclusive use of the DLA and the RWQCB for the express purpose of complying with a client- or regulatory directive for environmental investigation or restoration. The presented findings and recommendations in this report are intended to be taken in their entirety to assist DLA and RWQCB personnel in applying their own professional judgment in making decisions related to the property. SGI and DLA must approve any re-use of this work product in whole or in part for a different purpose or by others in writing. If any such unauthorized use occurs, it shall be at the user's sole risk without liability to SGI or DLA. To the extent that this report is based on information provided to SGI by third parties, including DLA, their direct contractors, previous workers, and other stakeholders, SGI cannot guarantee the completeness or accuracy of this information, even where efforts were made to verify third-party information.

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FIGURES



Sources: Esri, DeLorme, HERE, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom

SOURCE:
ESRI 7.5 MINUTE TOPOGRAPHIC MAP.
<http://resources.esri.com/arcgisonline/services>

PROJECT NO.:	DATE:	DR. BY:	APP. BY:
04-NDLA-001	5/28/2014	JK	PP

SCALE= 1:24,000

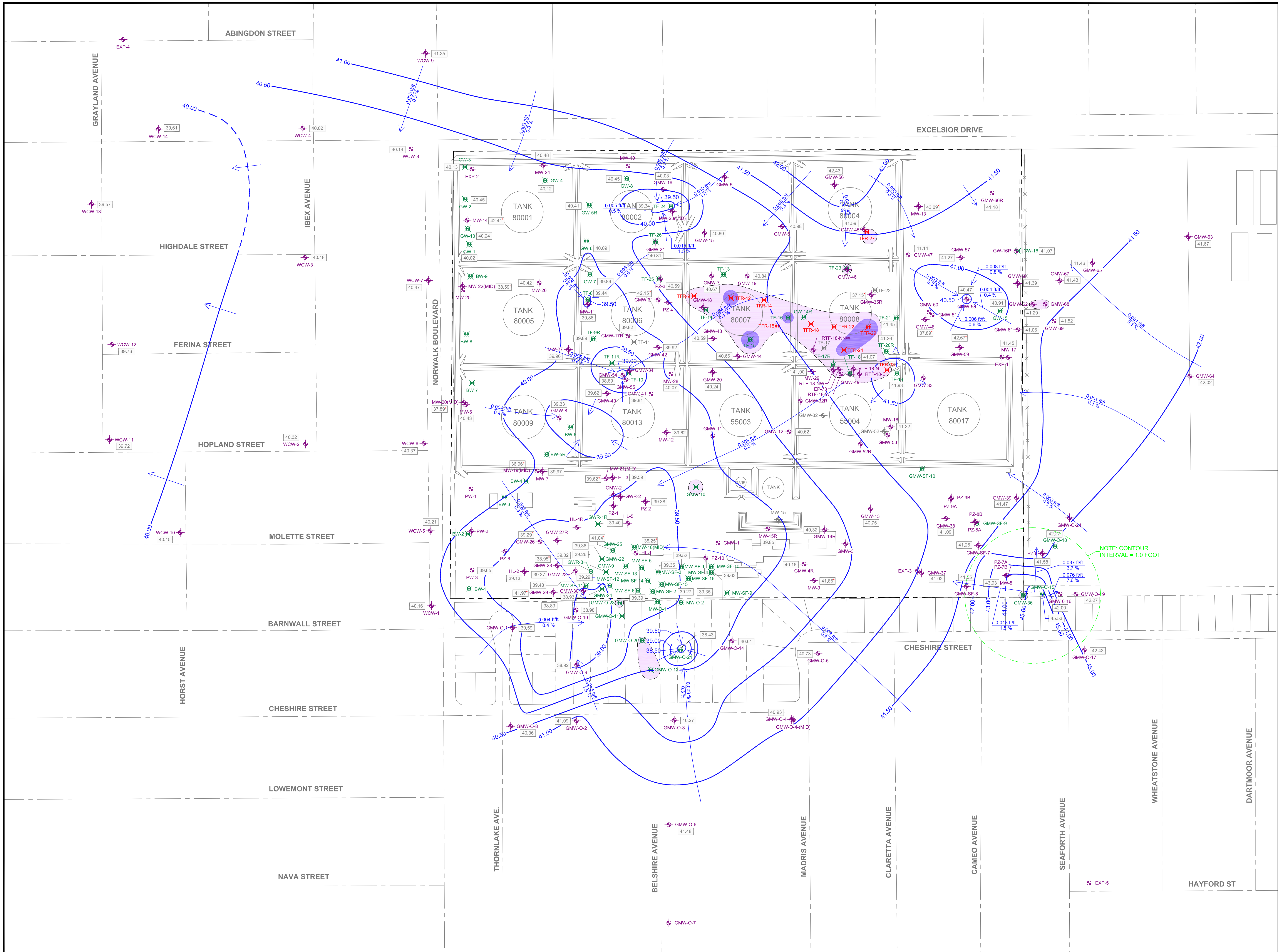


FIGURE
1

SGI THE SOURCE GROUP, INC.
environmental
1962 FREEMAN AVENUE
SIGNAL HILL, CA 90755
(562) 597-1055

**DEFENSE FUEL SUPPORT POINT
NORWALK**
15306 NORWALK BOULEVARD
NORWALK, CALIFORNIA

SITE LOCATION MAP



EXPLANATION:

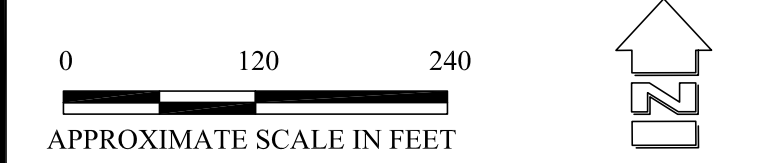
- FORMER ABOVEGROUND STORAGE TANKS
- DFSP NORWALK BORDER
- GROUNDWATER MONITORING WELL
- TOTAL FLUIDS RECOVERY WELL
- WELLS SHOWN IN GREY WERE DECOMMISSIONED BY DLA ENERGY PRIOR TO REMEDIAL EXCAVATION
- EXTRACTION WELL USED FOR VAPOR, GROUNDWATER, TOTAL FLUIDS, OR FLOATING PRODUCT EXTRACTION
- GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL MEASURED OCTOBER 28 TO NOVEMBER 1, 2019
- ASTERISK INDICATES DATA NOT USED TO DEVELOP THIS EQUIPOTENTIAL MAP
- LINE OF EQUAL GROUNDWATER ELEVATION (REFERENCED TO MEAN SEA LEVEL) (DASHED WHERE INFERRERD CONTOUR INTERVAL = 0.5 FOOT (EXCEPT WHERE NOTED))
- GROUNDWATER GRADIENT DIRECTION WITH GRADIENT IN FEET PER FOOT (F/FT) AND PERCENT; DASHED WHERE INFERRERD
- ESTIMATED EXTENT OF MEASURABLE LIGHT NONAQUEOUS PHASE LIQUID (LNAPL, FLOATING PRODUCT) ON GROUNDWATER REFER TO FIGURE 3 OR TABLE 2 FOR MEASURED THICKNESSES DARKER SHADING INDICATES GREATER THAN 1 FOOT (MEASURED THICKNESS) OF FLOATING PRODUCT

NOTES:

1. GROUNDWATER ELEVATIONS AND INTERPRETED PRODUCT EXTENT ARE BASED ON DATA COLLECTED BY SGI & BLAINE TECH ON OCTOBER 28 TO NOVEMBER 2019.
2. DLA ENERGY'S AND SFPP'S REMEDIATION SYSTEMS WERE SHUT DOWN APPROXIMATELY ONE WEEK PRIOR TO COLLECTING FLUID LEVEL MEASUREMENTS IN OCTOBER/NOVEMBER 2019.
3. WELLS SCREENED IN THE EXPOSITION AQUIFER OR NEAR THE BOTTOM OF THE UPPERMOST AQUIFER ARE NOT USED IN CONTOURING.

SURVEY NOTES:

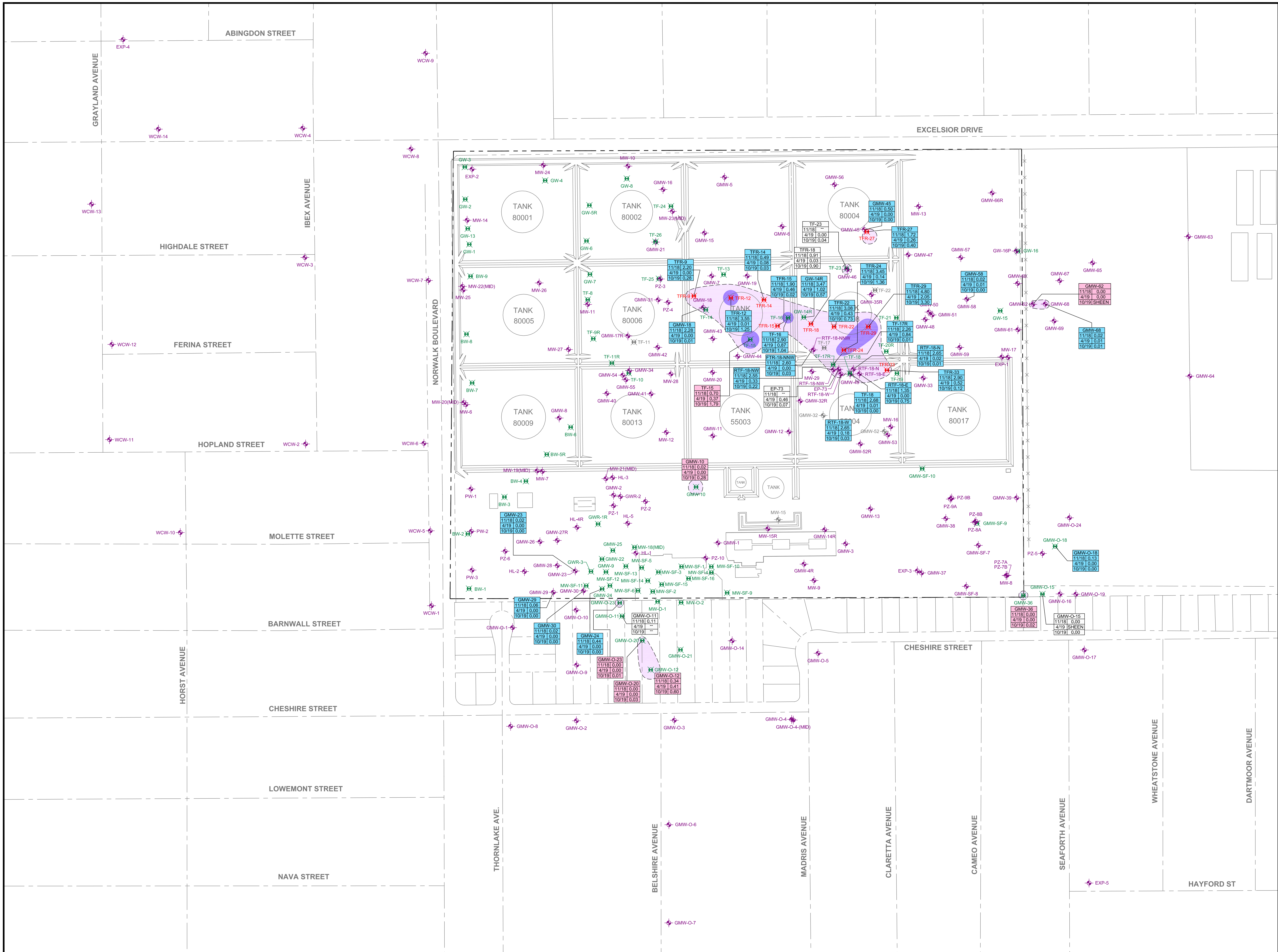
1. BASE MAP PREPARED FROM DATA PROVIDED BY FLUOR DANIEL GTI, DULIN & BOYNTON, GEOMATRIX, AND PARSONS
2. EXCEPT AS NOTED BELOW, WELL LOCATIONS SURVEYED BY DULIN & BOYNTON
3. LOCATIONS OF WELLS HL-1, HL-3, AND HL-4 BASED ON FIELD MEASUREMENTS BY FLUOR DANIEL GTI AND WOODWARD-CLYDE



DATE: 12/2019	FILE NAME: DFSP-Norwalk-SE2-19.dwg
PROJECT No.: 091-NDLA-018	CONTRACT: SPO-600-14-D-5410

**GROUNDWATER EQUIPOTENTIAL AND GRADIENT MAP
UPPERMOST GROUNDWATER ZONE
SECOND SEMIANNUAL 2019
MONITORING EVENT**

DFSP NORWALK
15306 NORWALK BOULEVARD
NORWALK, CALIFORNIA

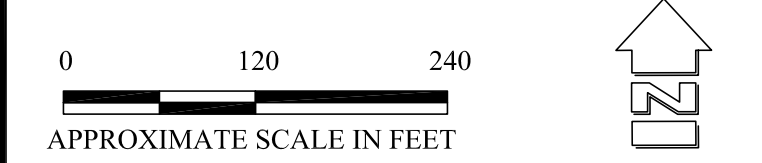


EXPLANATION:

- FORMER ABOVEGROUND STORAGE TANKS
- DFSP NORWALK BORDER
- GROUNDWATER MONITORING WELL
- TOTAL FLUIDS RECOVERY WELL
- WELLS SHOWN IN GREY WERE DECOMMISSIONED BY DLA ENERGY PRIOR TO REMEDIAL EXCAVATION
- EXTRACTION WELL USED FOR VAPOR, GROUNDWATER, TOTAL FLUIDS, OR FLOATING PRODUCT EXTRACTION
- | | |
|-----------|------------|
| TFR-18 | 11/18 0.91 |
| 4/19 0.03 | 10/19 0.90 |
- | | |
|-----------|------------|
| GMW-10 | 11/18 0.02 |
| 4/19 0.00 | 10/19 0.28 |
- | | |
|-----------|------------|
| TFR-22 | 11/18 3.08 |
| 4/19 0.43 | 10/19 0.73 |
- NOT MEASURED
- ESTIMATED EXTENT OF MEASURABLE LIGHT NONAQUEOUS PHASE LIQUID (LNAPL, FLOATING PRODUCT) ON GROUNDWATER. DARKER SHADING INDICATES GREATER THAN 1 FOOT (MEASURED THICKNESS) OF FLOATING PRODUCT

SURVEY NOTES:

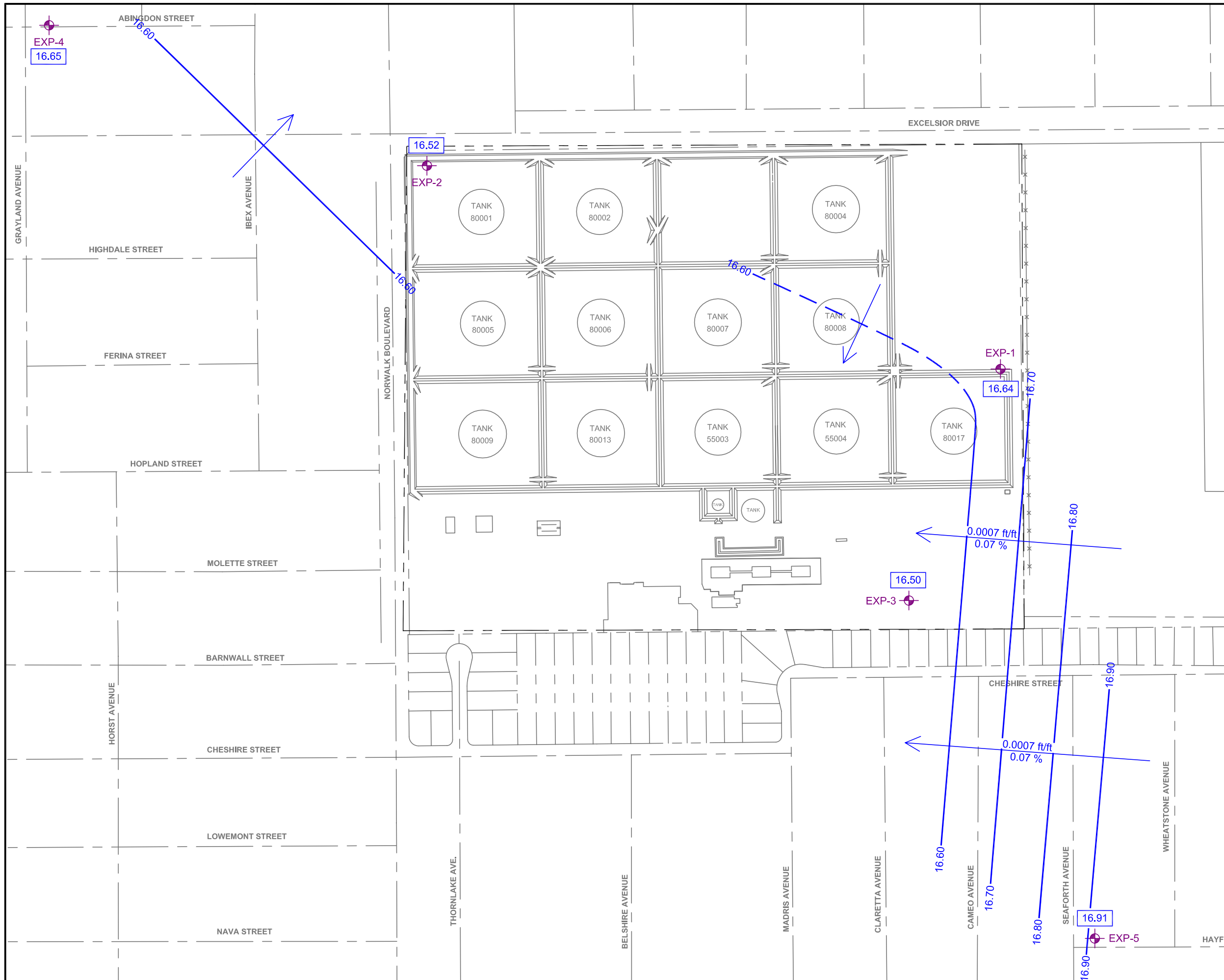
1. BASE MAP PREPARED FROM DATA PROVIDED BY FLUOR DANIEL GTI, DULIN & BOYNTON, GEOMATRIX, AND PARSONS
2. EXCEPT AS NOTED BELOW, WELL LOCATIONS SURVEYED BY DULIN & BOYNTON
3. LOCATIONS OF WELLS HL-1, HL-3, AND HL-4 BASED ON FIELD MEASUREMENTS BY FLUOR DANIEL GTI AND WOODWARD-CLYDE



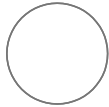



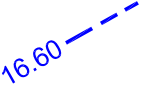
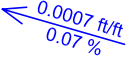
DATE: 12/2019	FILE NAME: DFSP-Norwalk-SE2-19.dwg
PROJECT No.: 091-NDLA-018	CONTRACT: SPO-600-14-D-5410

**DISTRIBUTION OF FLOATING PRODUCT ON GROUNDWATER
SECOND SEMIANNUAL 2019
MONITORING EVENT**

DFSP NORWALK
15306 NORWALK BOULEVARD
NORWALK, CALIFORNIA

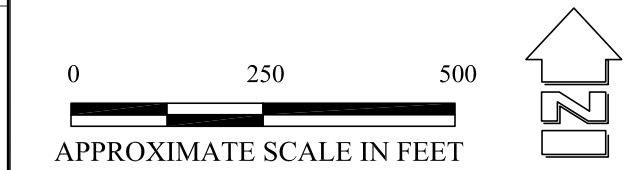


EXPLANATION:

-  FORMER ABOVEGROUND STORAGE TANKS
-  DFSP NORWALK BORDER
-  EXP-5
EXPOSITION AQUIFER MONITORING WELL
-  16.64
GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (MSL) MEASURED OCTOBER 28, 2019
-  16.60
GROUNDWATER EQUIPOTENTIAL LINE (REFERENCE = MEAN SEA LEVEL) CONTOUR INTERVAL = 0.10 FOOT DASHED WHERE INFERRED
-  0.0007 ft/ft 0.07%
GROUNDWATER GRADIENT DIRECTION IN FEET PER FOOT (ft/ft) AND PERCENT

NOTE:

MONITORING WELLS EXP-1, EXP-2, AND EXP-3 WERE GAUGED BY BOTH SGI AND BLAINE TECH. THIS MAP WAS GENERATED BASED UPON DATA COLLECTED BY BLAINE TECH.



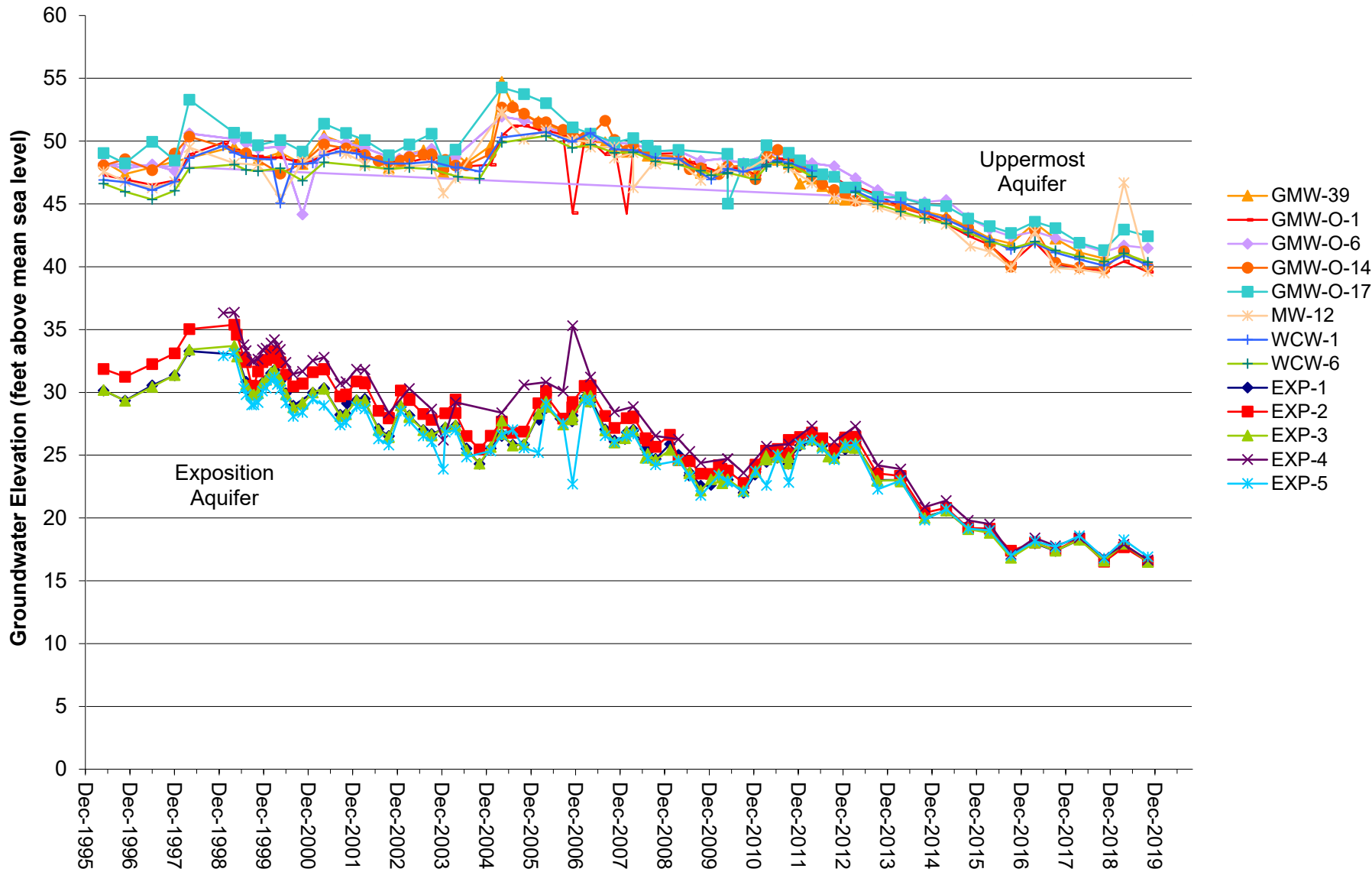
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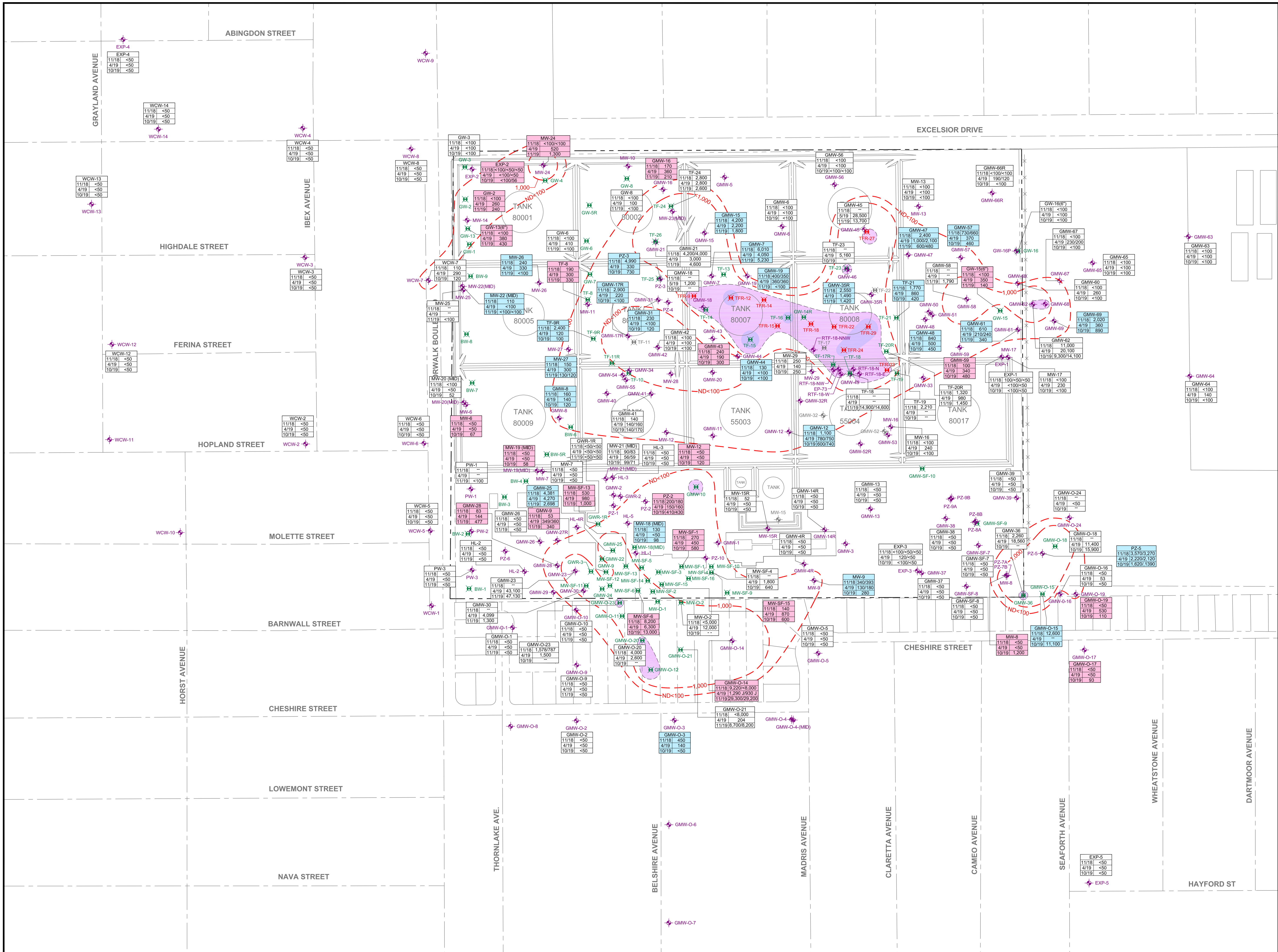
**GROUNDWATER EQUIPOTENTIAL
AND GRADIENT MAP
EXPOSITION AQUIFER
OCTOBER 28, 2019**

DFSP NORWALK
15306 NORWALK BOULEVARD
NORWALK, CALIFORNIA

		FIGURE 4
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FIGURE 5 - HYDROGRAPH
Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California





EXPLANATION:

- FORMER ABOVEGROUND STORAGE TANKS
- DFSP NORWALK BORDER
- GROUNDWATER MONITORING WELL
- TOTAL FLUIDS RECOVERY WELL
- WELLS SHOWN IN GREY WERE DECOMMISSIONED BY DLA ENERGY PRIOR TO REMEDIAL EXCAVATION
- EXTRACTION WELL USED FOR VAPOR, GROUNDWATER, TOTAL FLUIDS, OR FLOATING PRODUCT EXTRACTION
- TOTAL PETROLEUM HYDROCARBON (TPH) CONCENTRATIONS ARE THE SUMMATION OF TPH AS GASOLINE (TPH_G) AND TPH AS DIESEL (TPH_D) IN MICROGRAMS PER LITER (µg/L) FOR THE THREE MOST RECENT SEMIANNUAL EVENTS; WHERE THE DATABOX IS SHOWN IN WHITE, THE CONCENTRATION OF TPH HAS REMAINED SIMILAR (CONCENTRATION CHANGE IS LESS THAN 10%) AT THAT LOCATION SINCE THE NOVEMBER 2018 MONITORING EVENT, OR THE DATABOX SHOWN DOES NOT PROVIDE A BASIS FOR COMPARISON
- WHERE THE DATABOX IS SHOWN IN RED, THE CONCENTRATION OF TPH HAS INCREASED BY 10% OR MORE AT THAT LOCATION SINCE THE NOVEMBER 2018 MONITORING EVENT
- WHERE THE DATABOX IS SHOWN IN BLUE, THE CONCENTRATION OF TPH HAS DECREASED BY 10% OR MORE AT THAT LOCATION SINCE THE NOVEMBER 2018 MONITORING EVENT
- NOT DETECTED AT OR ABOVE THE INDICATED LABORATORY REPORTING LIMIT
- NOT SAMPLED / NOT ANALYZED
- TWO CONCENTRATIONS ARE SHOWN WHERE DUPLICATE SAMPLES WERE ANALYZED
- ESTIMATED CONCENTRATION
- ESTIMATED EXTENT OF DISSOLVED TPH IN GROUNDWATER (UPPERMOST AQUIFER) DETECTED AT CONCENTRATIONS ABOVE 100 MICROGRAMS PER LITER (µg/L)
- LINE OF EQUAL TPH CONCENTRATION IN GROUNDWATER (UPPERMOST AQUIFER)
- ESTIMATED EXTENT OF MEASURABLE LIGHT NONAQUEOUS PHASE LIQUID (LNAPL, FLOATING PRODUCT) ON GROUNDWATER REFER TO FIGURE 4 OR TABLE 2 FOR MEASURED THICKNESSES
- DARKER SHADING INDICATES GREATER THAN 1 FOOT (MEASURED THICKNESS) OF FLOATING PRODUCT

- SURVEY NOTES:**
- BASE MAP PREPARED FROM DATA PROVIDED BY FLUOR DANIEL GTI, DULIN & BOYNTON, GEOMATRIX, AND PARSONS
 - EXCEPT AS NOTED BELOW, WELL LOCATIONS SURVEYED BY DULIN & BOYNTON
 - LOCATIONS OF WELLS HL-1, HL-3, AND HL-4 BASED ON FIELD MEASUREMENTS BY FLUOR DANIEL GTI AND WOODWARD-CLYDE

0 120 240
APPROXIMATE SCALE IN FEET

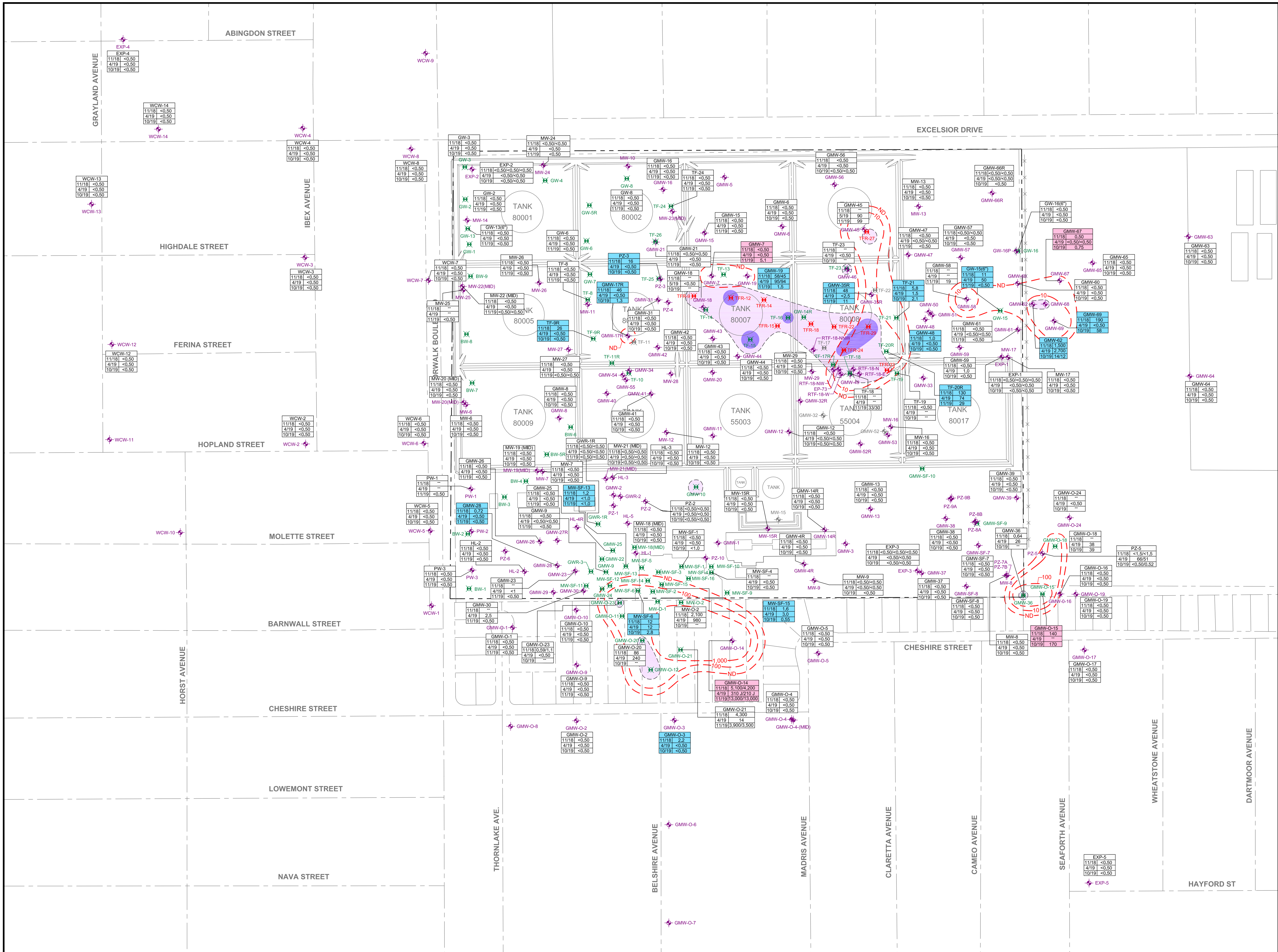
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PROJECT No.: 091-NDLA-018 CONTRACT: SPO-600-14-D-5410

TOTAL PETROLEUM HYDROCARBONS IN GROUNDWATER SECOND SEMIANNUAL 2019 SAMPLING EVENT

DFSP NORWALK
15306 NORWALK BOULEVARD
NORWALK, CALIFORNIA

SGI environmental APEX

FIGURE 6



- ### EXPLANATION:
- FORMER ABOVEGROUND STORAGE TANKS
 - DFSP NORWALK BORDER
 - GROUNDWATER MONITORING WELL
 - TOTAL FLUIDS RECOVERY WELL
 - WELLS SHOWN IN GREY WERE DECOMMISSIONED BY DLA ENERGY PRIOR TO REMEDIAL EXCAVATION
 - EXTRACTION WELL USED FOR VAPOR, GROUNDWATER, TOTAL FLUIDS, OR FLOATING PRODUCT EXTRACTION
- BENZENE CONCENTRATIONS IN MICROGRAMS PER LITER (ug/L) FOR THE THREE MOST RECENT SEMIANNUAL EVENTS; WHERE THE DATABASE IS SHOWN IN WHITE, THE CONCENTRATION OF BENZENE HAS REMAINED SIMILAR (CONCENTRATION CHANGE IS LESS THAN 10%) AT THAT LOCATION SINCE THE NOVEMBER 2018 MONITORING EVENT, OR THE DATASET SHOWN DOES NOT PROVIDE A BASIS FOR COMPARISON**
- WHERE THE DATABASE IS SHOWN IN RED, THE CONCENTRATION OF BENZENE HAS INCREASED BY 10% OR MORE AT THAT LOCATION SINCE THE NOVEMBER 2018 MONITORING EVENT**
- WHERE THE DATABASE IS SHOWN IN BLUE, THE CONCENTRATION OF BENZENE HAS DECREASED BY 10% OR MORE AT THAT LOCATION SINCE THE NOVEMBER 2018 MONITORING EVENT**
- ≤ 0.50 NOT DETECTED AT OR ABOVE THE INDICATED LABORATORY REPORTING LIMIT
 - NOT SAMPLED / NOT ANALYZED
 - <math>< 0.50 > 0.50</math> TWO CONCENTRATIONS ARE SHOWN WHERE DUPLICATE SAMPLES WERE ANALYZED
 - ESTIMATED CONCENTRATION
 - ESTIMATED EXTENT OF DETECTED BENZENE IN GROUNDWATER (UPPERMOST AQUIFER)
 - 1,000 ESTIMATED EXTENT OF MEASURABLE LIGHT NONAQUEOUS PHASE LIQUID (LNAPL, FLOATING PRODUCT) ON GROUNDWATER (UPPERMOST AQUIFER)
 - ESTIMATED EXTENT OF BENZENE CONCENTRATION IN GROUNDWATER (UPPERMOST AQUIFER)
 - DARKER SHADING INDICATES GREATER THAN 1 FOOT (MEASURED THICKNESS) OF FLOATING PRODUCT

- ### SURVEY NOTES:
1. BASE MAP PREPARED FROM DATA PROVIDED BY FLUOR DANIEL GTI, DULIN & BOYNTON, GEOMATRIX, AND PARSONS
 2. EXCEPT AS NOTED BELOW, WELL LOCATIONS SURVEYED BY DULIN & BOYNTON
 3. LOCATIONS OF WELLS HL-1, HL-3, AND HL-4 BASED ON FIELD MEASUREMENTS BY FLUOR DANIEL GTI AND WOODWARD-CLYDE

0 120 240
APPROXIMATE SCALE IN FEET

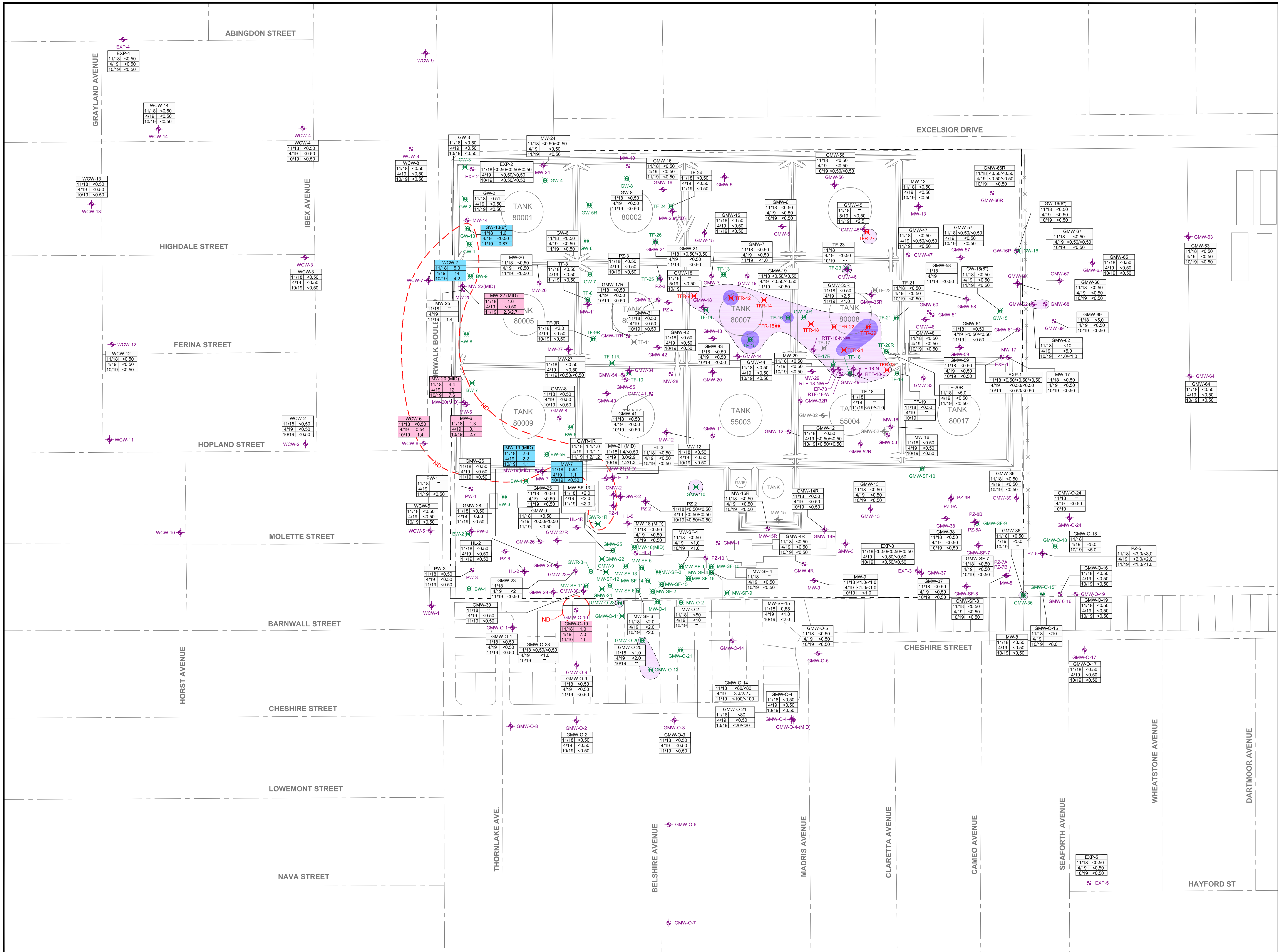
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PROJECT No.: 091-NDLA-018 CONTRACT: SPO-600-14-D-5410

BENZENE IN GROUNDWATER SECOND SEMIANNUAL 2019 SAMPLING EVENT

DFSP NORWALK
15306 NORWALK BOULEVARD
NORWALK, CALIFORNIA

SGI environmental APEX

FIGURE
7

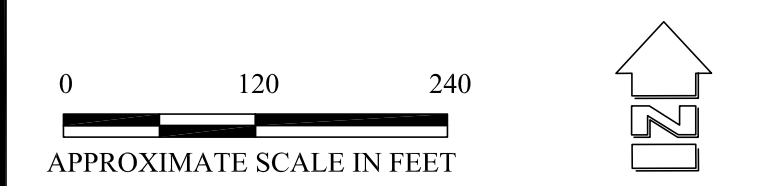


EXPLANATION:

- FORMER ABOVEGROUND STORAGE TANKS
- DFSP NORWALK BORDER
- GROUNDWATER MONITORING WELL
- TOTAL FLUIDS RECOVERY WELL
- WELLS SHOWN IN GREY WERE DECOMMISSIONED BY DLA ENERGY PRIOR TO REMEDIAL EXCAVATION
- EXTRACTION WELL USED FOR VAPOR, GROUNDWATER, TOTAL FLUIDS, OR FLOATING PRODUCT EXTRACTION
- 1,2-DICHLOROETHANE (1,2-DCA) CONCENTRATIONS IN MICROGRAMS PER LITER (µg/L) FOR THE THREE MOST RECENT SEMI-ANNUAL EVENTS: WHERE THE DATABASE IS SHOWN IN WHITE, THE CONCENTRATION OF 1,2-DCA HAS REMAINED SIMILAR (CONCENTRATION CHANGE IS LESS THAN 10%) AT THAT LOCATION SINCE THE NOVEMBER 2018 MONITORING EVENT, OR THE DATABASE SHOWN DOES NOT PROVIDE A BASIS FOR COMPARISON
- WHERE THE DATABASE IS SHOWN IN RED, THE CONCENTRATION OF 1,2-DCA HAS INCREASED BY 10% OR MORE AT THAT LOCATION SINCE THE NOVEMBER 2018 MONITORING EVENT
- WHERE THE DATABASE IS SHOWN IN BLUE, THE CONCENTRATION OF 1,2-DCA HAS DECREASED BY 10% OR MORE AT THAT LOCATION SINCE THE NOVEMBER 2018 MONITORING EVENT
- <0.50 NOT DETECTED AT OR ABOVE THE INDICATED LABORATORY REPORTING LIMIT
- NOT SAMPLED / NOT ANALYZED
- <0.50/<0.50 TWO CONCENTRATIONS ARE SHOWN WHERE DUPLICATE SAMPLES WERE ANALYZED
- J ESTIMATED CONCENTRATION
- ND ESTIMATED EXTENT OF DETECTED DISSOLVED 1,2-DCA IN GROUNDWATER (UPPERMOST AQUIFER)
- ESTIMATED EXTENT OF MEASURABLE LIGHT NONAQUEOUS PHASE LIQUID (LNAPL, FLOATING PRODUCT) ON GROUNDWATER REFER TO FIGURE 4 OR TABLE 2 FOR MEASURED THICKNESSES DARKER SHADING INDICATES GREATER THAN 1 FOOT (MEASURED THICKNESS) OF FLOATING PRODUCT

SURVEY NOTES:

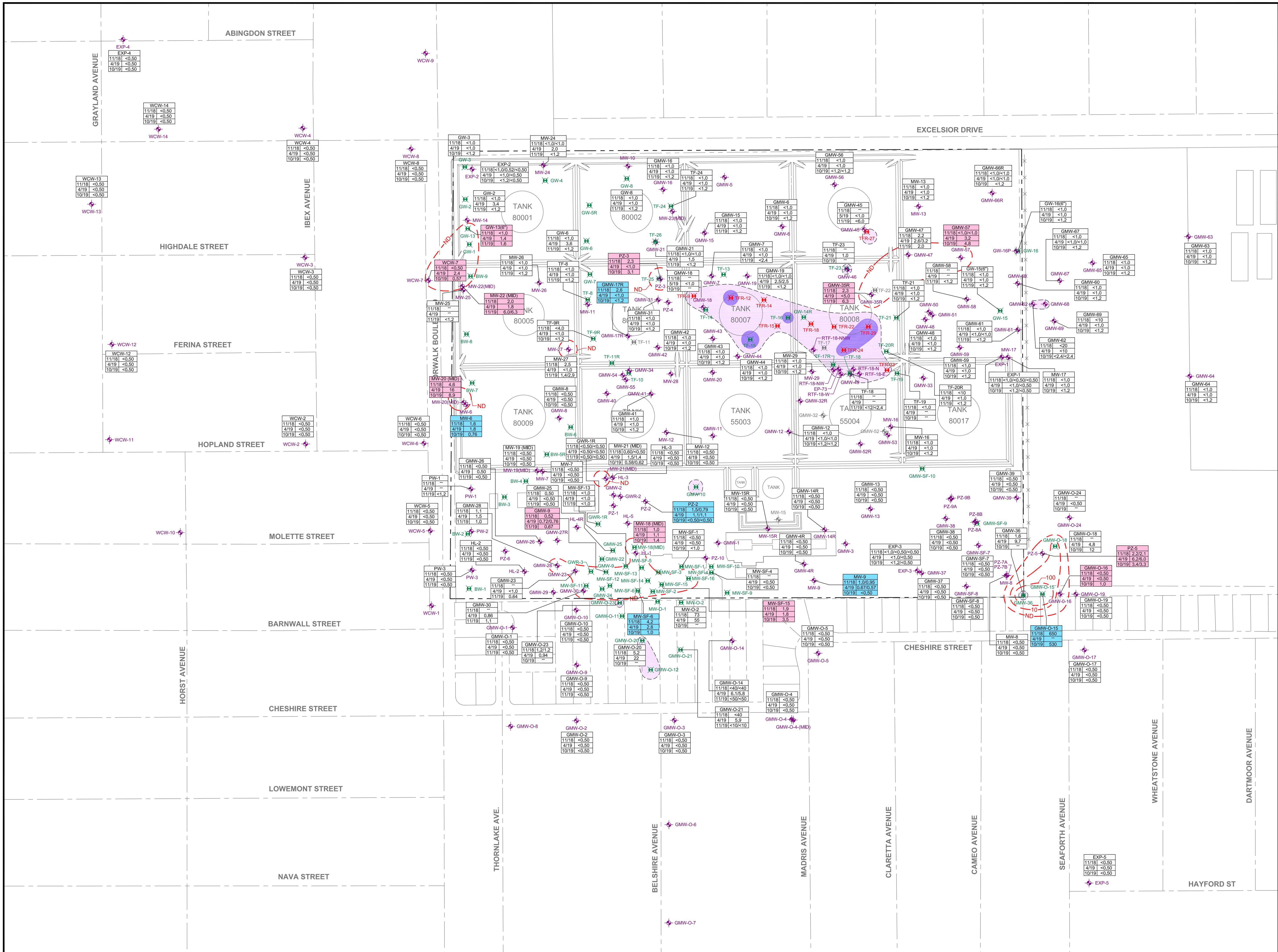
1. BASE MAP PREPARED FROM DATA PROVIDED BY FLUOR DANIEL GTI, DULIN & BOYNTON, GEOMATRIX, AND PARSONS
2. EXCEPT AS NOTED BELOW, WELL LOCATIONS SURVEYED BY DULIN & BOYNTON
3. LOCATIONS OF WELLS HL-1, HL-3, AND HL-4 BASED ON FIELD MEASUREMENTS BY FLUOR DANIEL GTI AND WOODWARD-CLYDE



DATE: 12/2019	FILE NAME: DFSP-Norwalk-SE2-19.dwg
PROJECT No.: 091-NDLA-018	CONTRACT: SPO-600-14-D-5410

**1,2-DICHLOROETHANE
IN GROUNDWATER
SECOND SEMI-ANNUAL 2019
SAMPLING EVENT**

DFSP NORWALK
15306 NORWALK BOULEVARD
NORWALK, CALIFORNIA



- EXPLANATION:**
- FORMER ABOVEGROUND STORAGE TANKS
 - DFSP NORWALK BORDER
 - WCV-14 GROUNDWATER MONITORING WELL
 - TFR-33 TOTAL FLUIDS RECOVERY WELL
 - GMW-14 WELLS SHOWN IN GREY WERE DECOMMISSIONED BY DLA ENERGY PRIOR TO REMEDIAL EXCAVATION
 - TF-26 EXTRACTION WELL USED FOR VAPOR, GROUNDWATER, TOTAL FLUIDS, OR FLOATING PRODUCT EXTRACTION
 - GMW-25 METHYL TERTIARY-BUTYL ETHER (MTBE) CONCENTRATIONS IN MICROGRAMS PER LITER (µg/L) FOR THE THREE MOST RECENT SEMIANNUAL EVENTS; WHERE THE DATABOX IS SHOWN IN WHITE, THE CONCENTRATION OF MTBE HAS REMAINED SIMILAR (CONCENTRATION CHANGE IS LESS THAN 10% AT THAT LOCATION SINCE THE NOVEMBER 2018 MONITORING EVENT, OR THE DATASET SHOWN DOES NOT PROVIDE A BASIS FOR COMPARISON)
 - WCV-7 WHERE THE DATABOX IS SHOWN IN RED, THE CONCENTRATION OF MTBE HAS INCREASED BY 10% OR MORE AT THAT LOCATION SINCE THE NOVEMBER 2018 MONITORING EVENT
 - MW-6 WHERE THE DATABOX IS SHOWN IN BLUE, THE CONCENTRATION OF MTBE HAS DECREASED BY 10% OR MORE AT THAT LOCATION SINCE THE NOVEMBER 2018 MONITORING EVENT
 - <0.50 NOT DETECTED AT OR ABOVE THE INDICATED LABORATORY REPORTING LIMIT
 - NOT SAMPLED / NOT ANALYZED
 - <0.50/<0.50 TWO CONCENTRATIONS ARE SHOWN WHERE DUPLICATE SAMPLES WERE ANALYZED
 - ND ESTIMATED EXTENT OF DETECTED DISSOLVED MTBE IN GROUNDWATER (UPPERMOST AQUIFER)
 - 1,000 LINE OF EQUAL MTBE CONCENTRATION IN GROUNDWATER (UPPERMOST AQUIFER)
 - ESTIMATED EXTENT OF MEASURABLE LIGHT NONAQUEOUS PHASE LIQUID (LNAPL, FLOATING PRODUCT) ON GROUNDWATER REFER TO FIGURE 4 OR TABLE 2 FOR MEASURED THICKNESSES
 - DARKER SHADING INDICATES GREATER THAN 1 FOOT (MEASURED THICKNESS) OF FLOATING PRODUCT

- SURVEY NOTES:**
1. BASE MAP PREPARED FROM DATA PROVIDED BY FLUOR DANIEL GTI, DULIN & BOYNTON, GEOMATRIX, AND PARSONS
 2. EXCEPT AS NOTED BELOW, WELL LOCATIONS SURVEYED BY DULIN & BOYNTON
 3. LOCATIONS OF WELLS HL-1, HL-3, AND HL-4 BASED ON FIELD MEASUREMENTS BY FLUOR DANIEL GTI AND WOODWARD-CLYDE

0 120 240

 APPROXIMATE SCALE IN FEET

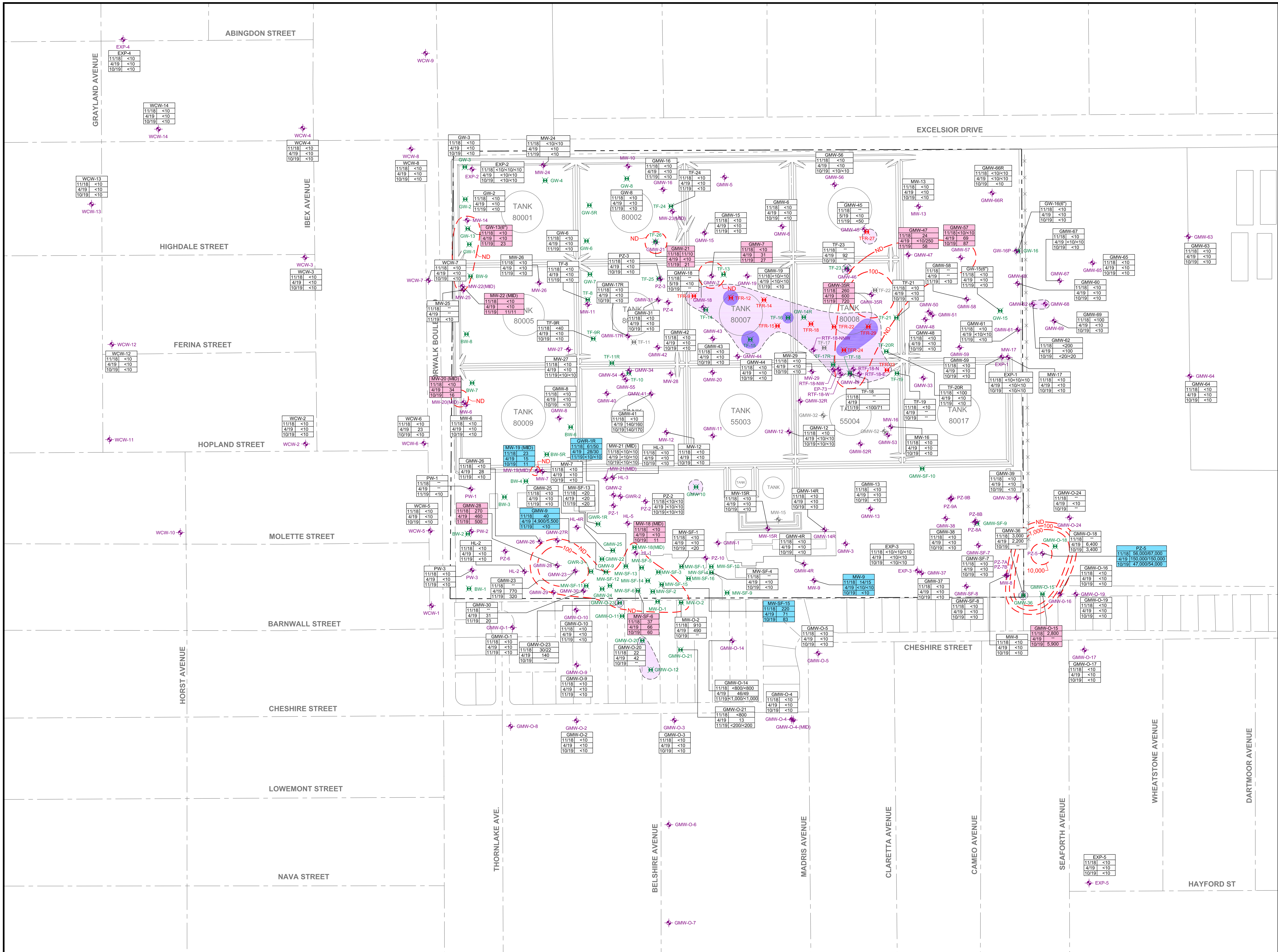
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PROJECT No.: 091-NDLA-018	CONTRACT: SPO-600-14-D-5410

**METHYL TERTIARY-BUTYL ETHER
 IN GROUNDWATER
 SECOND SEMIANNUAL 2019
 SAMPLING EVENT**

DFSP NORWALK
 15306 NORWALK BOULEVARD
 NORWALK, CALIFORNIA

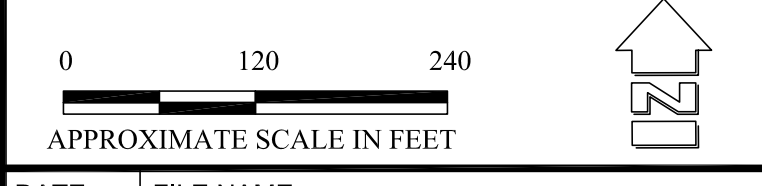
FIGURE
9





- EXPLANATION:**
- FORMER ABOVEGROUND STORAGE TANKS
 - DFSP NORWALK BORDER
 - GROUNDWATER MONITORING WELL
 - TOTAL FLUIDS RECOVERY WELL
 - WELLS SHOWN IN GREY WERE DECOMMISSIONED BY DLA ENERGY PRIOR TO REMEDIAL EXCAVATION
 - EXTRACTION WELL USED FOR VAPOR, GROUNDWATER, TOTAL FLUIDS, OR FLOATING PRODUCT EXTRACTION
 - TERTIARY-BUTYL ALCOHOL (TBA) CONCENTRATIONS IN MICROGRAMS PER LITER (µg/L) FOR THE THREE MOST RECENT SEMIANNUAL EVENTS WHERE THE DATABOX IS SHOWN IN WHITE. THE CONCENTRATION OF TBA HAS REMAINED SIMILAR (CONCENTRATION CHANGE IS LESS THAN 10%) AT THAT LOCATION SINCE THE NOVEMBER 2018 MONITORING EVENT, OR THE DATABOX SHOWN DOES NOT PROVIDE A BASIS FOR COMPARISON
 - WHERE THE DATABOX IS SHOWN IN RED, THE CONCENTRATION OF TBA HAS INCREASED BY 10% OR MORE AT THAT LOCATION SINCE THE NOVEMBER 2018 MONITORING EVENT
 - WHERE THE DATABOX IS SHOWN IN BLUE, THE CONCENTRATION OF TBA HAS DECREASED BY 10% OR MORE AT THAT LOCATION SINCE THE NOVEMBER 2018 MONITORING EVENT
 - NOT DETECTED AT OR ABOVE THE INDICATED LABORATORY REPORTING LIMIT
 - NOT SAMPLED / NOT ANALYZED
 - TWO CONCENTRATIONS ARE SHOWN WHERE DUPLICATE SAMPLES WERE ANALYZED
 - ESTIMATED EXTENT OF DETECTED DISSOLVED TBA IN GROUNDWATER (UPPERMOST AQUIFER)
 - 1,000 ESTIMATED EXTENT OF MEASURABLE LIGHT NONAQUEOUS PHASE LIQUID (LNAPL, FLOATING PRODUCT) ON GROUNDWATER REFER TO FIGURE 4 OR TABLE 2 FOR MEASURED THICKNESSES DARKER SHADING INDICATES GREATER THAN 1 FOOT (MEASURED THICKNESS) OF FLOATING PRODUCT

- SURVEY NOTES:**
1. BASE MAP PREPARED FROM DATA PROVIDED BY FLUOR DANIEL GTI, DULIN & BOYNTON, GEOMATRIX, AND PARSONS
 2. EXCEPT AS NOTED BELOW, WELL LOCATIONS SURVEYED BY DULIN & BOYNTON
 3. LOCATIONS OF WELLS HL-1, HL-3, AND HL-4 BASED ON FIELD MEASUREMENTS BY FLUOR DANIEL GTI AND WOODWARD-CLYDE



DATE: 12/2019	FILE NAME: DFSP-Norwalk-SE2-19.dwg
PROJECT No.: 091-NDLA-018	CONTRACT: SPO-600-14-D-5410

**TERTIARY-BUTYL ALCOHOL
IN GROUNDWATER
SECOND SEMIANNUAL 2019
SAMPLING EVENT**

DFSP NORWALK
15306 NORWALK BOULEVARD
NORWALK, CALIFORNIA

TABLES

**TABLE 1
MONITORING WELL SPECIFICATIONS**

Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Well ID	Installation Date	Installed By	Total Depth (feet bgs)	Casing Diameter (inches)	Screen Interval (feet bgs)	Slot Size (inches)	Casing Elevation (feet MSL)
Exposition Aquifer							
EXP-1	03/06/92	WCC	128.5	4	82 - 122	0.010	78.44
EXP-2	10/15/92	WCC	149.0	4	90 - 120	0.020	79.43
EXP-3	10/20/92	WCC	150.0	4	85 - 115	0.010	77.58
EXP-4	07/07/98	GMX	118.0	4	96.1 - 115.2	0.020	79.81
EXP-5	07/08/98	GMX	120.0	4	94.4 - 113.4	0.020	72.41
Uppermost Aquifer							
EP-72/TF-17R	06/07/17	SGI	40.0	4 (steel)	20 - 40	0.020	77.63
GMW-1	05/16/91	GTI	50.0	4	20 - 50	0.010	74.77
GMW-2	05/16/91	GTI	50.0	4	20 - 50	0.010	73.57
GMW-3	05/17/91	GTI	50.0	4	20 - 50	0.010	75.10
GMW-4*	05/21/91	GTI	50.0	4	20 - 50	0.010	75.45
GMW-4R	11/01/16	SGI	50.0	4	20 - 50	0.010	75.13
GMW-5	05/21/91	GTI	50.0	4	20 - 50	0.010	77.61
GMW-6	07/09/91	GTI	50.0	4	25 - 50	0.010	77.31
GMW-7	07/09/91	GTI	50.0	4	25 - 50	0.010	76.87
GMW-8	07/10/91	GTI	50.0	4	25 - 50	0.010	73.20
GMW-9	07/08/91	GTI	50.0	4	20 - 50	0.010	77.16
GMW-10	07/08/91	GTI	50.0	4	25 - 50	0.010	73.36
GMW-11	07/09/91	GTI	50.0	4	20 - 50	0.010	72.90
GMW-12	07/09/91	GTI	50.0	4	25 - 50	0.010	75.21
GMW-13	07/08/91	GTI	50.0	4	25 - 50	0.010	74.17
GMW-14*	07/10/91	GTI	50.0	4	25 - 50	0.010	74.72
GMW-14R	10/31/16	SGI	50.0	4	20 - 50	0.010	75.30
GMW-15	07/30/91	GTI	50.0	4	25 - 50	0.010	76.21
GMW-16	08/01/91	GTI	50.0	4	25 - 50	0.010	77.00
GMW-17*	08/01/91	GTI	50.0	4	25 - 50	0.010	74.66
GMW-17R	11/10/16	SGI	50.0	4	25 - 50	0.010	77.79
GMW-18	07/31/91	GTI	50.0	4	25 - 50	0.010	75.36
GMW-19	07/31/91	GTI	50.0	4	25 - 50	0.010	76.83
GMW-20	08/01/91	GTI	50.0	4	25 - 50	0.010	75.10
GMW-21	08/02/91	GTI	50.0	4	25 - 50	0.010	76.23
GMW-22	08/02/91	GTI	61.0	4	25 - 60	0.010	77.24
GMW-23	08/02/91	GTI	60.0	4	25 - 60	0.010	74.85
GMW-24	08/05/91	GTI	60.0	4	25 - 60	0.010	77.48
GMW-25	01/10/92	GTI	50.0	6	20 - 50	0.010	78.14
GMW-26	01/07/92	GTI	51.5	4	20 - 50	0.010	74.52
GMW-27*	01/10/92	GTI	50.0	4	20 - 50	0.010	74.41
GMW-27R	06/08/17	SGI	50.0	4	20 - 50	0.010	77.15
GMW-28	01/07/92	GTI	50.0	4	20 - 50	0.010	74.68
GMW-29	01/09/92	GTI	50.0	4	20 - 50	0.010	77.57
GMW-30	01/09/92	GTI	51.5	6	20 - 50	0.010	74.91

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Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Well ID	Installation Date	Installed By	Total Depth (feet bgs)	Casing Diameter (inches)	Screen Interval (feet bgs)	Slot Size (inches)	Casing Elevation (feet MSL)
GMW-31	06/02/93	GTI	65.0	4	25 - 65	0.010	76.50
GMW-32*	06/01/93	GTI	50.0	4	20 - 50	0.020	74.62
GMW-32R	11/09/16	SGI	50.0	4	20 - 50	0.020	76.93
GMW-33	06/01/93	GTI	50.0	4	20 - 50	0.020	74.88
GMW-34	06/03/93	GTI	50.0	4	20 - 50	0.020	75.25
GMW-35*	06/04/93	GTI	50.0	4	20 - 50	0.020	76.12
GMW-35R	11/08/16	SGI	50.0	4	20 - 50	0.020	75.90
GMW-36	04/11/94	GTI	50.0	4	20 - 50	0.010	76.66
GMW-37	04/11/94	GTI	50.0	4	20 - 50	0.010	77.32
GMW-38	04/12/94	GTI	50.0	4	20 - 50	0.010	75.47
GMW-39	04/12/94	GTI	50.0	4	20 - 50	0.010	75.05
GMW-40	06/29/94	GTI	50.5	4	20 - 50	0.010	----
GMW-41	06/30/94	GTI	50.5	4	20 - 50	0.010	72.69
GMW-42	06/30/94	GTI	50.5	4	20 - 50	0.010	75.50
GMW-43	07/01/94	GTI	50.5	4	20 - 50	0.010	76.07
GMW-44	07/01/94	GTI	50.5	4	20 - 50	0.010	75.71
GMW-45	07/01/94	GTI	50.5	4	20 - 50	0.010	75.67
GMW-46	07/05/94	GTI	50.5	4	20 - 50	0.010	76.10
GMW-47	07/05/94	GTI	50.5	4	20 - 50	0.010	75.98
GMW-48	07/05/94	GTI	50.5	4	20 - 50	0.010	75.03
GMW-49	07/06/94	GTI	50.5	4	20 - 50	0.010	74.75
GMW-50	12/19/94	GTI	46.5	4	15 - 45	0.010	75.51
GMW-51	12/19/94	GTI	41.5	4	15 - 40	0.010	75.93
GMW-52*	12/19/94	GTI	41.5	4	15 - 40	0.010	75.03
GMW-52R	06/05/17	SGI	50.0	4	20 - 50	0.010	77.62
GMW-53	12/19/94	GTI	46.5	4	15 - 45	0.010	74.90
GMW-54	12/20/94	GTI	46.5	4	15 - 45	0.010	74.73
GMW-55	12/20/94	GTI	41.5	4	15 - 40	0.010	74.60
GMW-56	08/12/98	FDGTI	55.0	2	20 - 55	0.020	76.50
GMW-56	08/12/98	FDGTI	55.0	4	20 - 55	0.020	76.52
GMW-57	08/13/98	FDGTI	55.0	2	19 - 54	0.020	76.66
GMW-57	08/13/98	FDGTI	55.0	4	19 - 54	0.020	76.66
GMW-58	08/14/98	FDGTI	55.0	2	20 - 55	0.020	75.46
GMW-58	08/14/98	FDGTI	55.0	4	20 - 55	0.020	75.48
GMW-59	08/14/98	FDGTI	55.0	2	20 - 55	0.020	75.28
GMW-59	08/14/98	FDGTI	55.0	4	20 - 55	0.020	75.28
GMW-60	04/14/04	Parsons	50.0	4	25 - 40	0.010	76.24
GMW-61	04/14/04	Parsons	50.0	4	30 - 40	0.010	75.60
GMW-62	07/02/07	Parsons	40.5	4	20 - 40	0.010	76.34
GMW-63	09/29/08	Parsons	41.0	4	20 - 40	0.020	77.32
GMW-64	09/29/08	Parsons	41.0	4	19.5 - 39.5	0.020	75.84
GMW-65	07/06/09	Parsons	41.5	4	21 - 41	0.020	76.78

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Well ID	Installation Date	Installed By	Total Depth (feet bgs)	Casing Diameter (inches)	Screen Interval (feet bgs)	Slot Size (inches)	Casing Elevation (feet MSL)
GMW-66R	04/07/16	SGI	46.5	4	20 - 45	0.020	79.23
GMW-67	07/13/15	SGI	47.0	4	25 - 45	0.020	76.00
GMW-68	07/15/15	SGI	45.0	4	25 - 45	0.020	75.52
GMW-69	07/14/15	SGI	45.0	4	25 - 45	0.020	75.31
GMW-O-1	03/04/92	GTI	51.5	4	19 - 49.5	0.010	71.45
GMW-O-2	03/02/92	GTI	51.5	4	20 - 50	0.010	72.54
GMW-O-3	03/02/92	GTI	51.5	4	20 - 50	0.010	72.19
GMW-O-4	03/03/92	GTI	51.5	4	20 - 50	0.010	71.95
GMW-O-4 (MID)	03/03/92	GTI	66.5	4	54.5 - 64.5	0.010	72.24
GMW-O-5	03/04/92	GTI	51.5	4	20 - 50	0.010	72.36
GMW-O-6	05/18/92	GTI	51.5	4	20 - 50	0.010	71.41
GMW-O-7	05/19/92	GTI	51.5	4	20 - 50	0.010	70.98
GMW-O-8	05/18/92	GTI	51.0	4	19.5 - 49.5	0.010	70.91
GMW-O-9	07/29/92	GTI	51.5	4	20 - 50	0.010	73.50
GMW-O-10	07/29/92	GTI	51.5	4	20 - 50	0.010	73.98
GMW-O-11	05/20/92	GTI	51.5	4	20 - 50	0.010	74.17
GMW-O-12	05/21/92	GTI	51.5	4	20 - 50	0.010	73.49
GMW-O-14	05/20/92	GTI	51.5	4	20 - 50	0.010	74.08
GMW-O-15	04/19/94	GTI	50.0	4	20 - 50	0.020	74.23
GMW-O-16	04/19/94	GTI	50.0	4	20 - 50	0.020	74.10
GMW-O-17	07/26/94	GMX	41.0	4	20.4 - 39.5	0.010	73.78
GMW-O-18	07/25/94	GMX	41.0	4	20.8 - 40.4	0.010	74.36
GMW-O-19	07/29/94	GMX	41.5	4	20.2 - 39.9	0.010	74.46
GMW-O-20	06/15/95	GMX	45.9	4	-----	-----	73.32
GMW-O-21	06/19/97	GMX	45.9	4	25.5 - 45.5	0.010	71.43
GMW-O-22	-----	GMX	41.0	4	-----	-----	74.36
GMW-O-23	06/25/07	GMX	44.0	4	20 - 40	0.020	73.63
GMW-O-24	09/24/12	CH2M	45.0	4	20 - 40	0.010	74.39
GMW-SF-7	07/27/94	GMX	41.0	4	20.1 - 39.9	0.010	75.26
GMW-SF-8	07/28/94	GMX	41.0	4	19.5 - 39.5	0.010	76.75
GMW-SF-9	04/01/03	GMX	47.0	4	36.6 - 46.2	0.020	73.05
GMW-SF-10	04/02/03	GMX	47.0	4	36.7 - 46.4	0.020	75.77
GW-1	06/12/95	GTI	63.0	1	25 - 60	0.020	75.46
GW-1	06/12/95	GTI	63.0	4	25 - 60	0.020	75.97
GW-2	06/12/95	GTI	63.0	1	25 - 60	0.020	76.39
GW-2	06/12/95	GTI	63.0	4	25 - 60	0.020	75.78
GW-3	06/13/95	GTI	63.0	1	25 - 60	0.020	76.56
GW-3	06/13/95	GTI	63.0	4	25 - 60	0.020	75.79
GW-4	06/13/95	GTI	63.0	1	24 - 59	0.020	74.77
GW-4	06/13/95	GTI	63.0	4	24 - 59	0.020	73.86
GW-5*	06/15/95	GTI	63.0	1	25.5 - 60.5	0.020	77.09
GW-5*	06/15/95	GTI	63.0	4	25.5 - 60.5	0.020	76.99

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GW-5R	11/09/16	SGI	50.0	4	20 - 50	0.020	79.06
GW-6	06/15/95	GTI	63.0	1	25 - 60	0.020	77.41
GW-6	06/15/95	GTI	63.0	4	25 - 60	0.020	76.38
GW-7	06/16/95	GTI	63.0	1	25 - 60	0.020	76.76
GW-7	06/16/95	GTI	63.0	4	25 - 60	0.020	75.02
GW-8	06/14/95	GTI	63.0	1	24 - 59	0.020	76.88
GW-8	06/14/95	GTI	63.0	4	24 - 59	0.020	76.15
GW-13	04/26/07	Parsons	65.0	1	25 - 65	0.020	77.00
GW-13	04/26/07	Parsons	67.0	6	25 - 65	0.020	76.85
GW-14*	04/26/07	Parsons	65.0	1	25 - 65	0.020	76.55
GW-14*	04/26/07	Parsons	67.0	6	25 - 65	0.020	76.54
GW-14R	11/08/16	SGI	50.0	4	20 - 50	0.020	78.77
GW-15	04/26/07	Parsons	62.5	1	20.5 - 60.5	0.020	75.36
GW-15	04/26/07	Parsons	60.5	6	20.5 - 60.6	0.020	74.94
GW-16p	07/07/09	Parsons	61.3	1	21 - 61	0.020	76.55
GW-16	07/07/09	Parsons	63.0	6	20.5 - 60.5	0.020	76.33
GWR-1*	07/11/91	GTI	50.0	4	25 - 50	0.010	77.40
GWR-1R	11/10/16	SGI	50.0	4	20 - 50	0.010	76.64
GWR-2	07/12/91	GTI	50.0	4	25 - 50	0.010	73.66
GWR-3	01/10/92	GTI	50.0	6	20 - 50	0.010	77.60
HL-1	10/14/86	HLA	39.0	4	18 - 38	0.010	75.83
HL-2	10/13/86	HLA	39.0	4	16.5 - 36.5	0.010	76.94
HL-3	10/15/86	HLA	44.0	4	19 - 39	0.010	76.86
HL-4*	10/16/86	HLA	39.0	4	18 - 38.5	0.010	75.75
HL-4R	06/08/17	SGI	50.0	4	20 - 50	0.010	77.08
HL-5	10/16/86	HLA	39.5	4	18.5 - 39	0.010	76.13
MW-6	08/09/90	WCC	50.0	4	18 - 48	0.010	77.20
MW-7	08/27/90	WCC	50.0	4	19 - 48	0.010	78.13
MW-8	08/24/90	WCC	51.0	4	18 - 48	0.010	76.06
MW-9	08/08/90	WCC	50.0	4	18 - 48	0.010	77.11
MW-10	08/24/90	WCC	51.0	4	18 - 48	0.010	79.12
MW-11	08/09/90	WCC	50.0	4	18 - 48	0.010	78.17
MW-12	08/27/90	WCC	50.0	4	18 - 48	0.010	75.76
MW-13	08/23/90	WCC	50.0	4	18 - 48	0.010	78.25
MW-14	08/07/90	WCC	50.0	4	18 - 48	0.010	78.60
MW-15*	08/07/90	WCC	50.0	4	18 - 48	0.010	76.99
MW-15R	10/31/16	SGI	50.0	4	20 - 50	0.010	74.85
MW-16	08/08/90	WCC	50.0	4	18 - 48	0.010	76.87
MW-17	08/06/90	WCC	50.0	4	18 - 48	0.010	77.86
MW-18 (MID)	06/10/91	WCC	62.2	4	50 - 60	0.010	75.67
MW-19 (MID)	06/11/91	WCC	62.2	4	49.5 - 59.5	0.010	78.14
MW-20 (MID)	06/12/91	WCC	65.7	4	43 - 53	0.010	77.19

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MW-21 (MID)	06/12/91	WCC	62.4	4	47 - 57	0.010	77.55
MW-22 (MID)	06/13/91	WCC	57.9	4	42 - 52	0.010	79.57
MW-23 (MID)	06/14/91	WCC	57.1	4	42 - 52	0.010	79.59
MW-24	06/14/91	WCC	47.0	4	14 - 44	0.010	77.66
MW-25	06/17/91	WCC	47.2	4	22.5 - 42.5	0.010	79.15
MW-26	06/17/91	WCC	47.3	4	23.5 - 43.5	0.010	77.40
MW-27	06/17/91	WCC	52.3	4	18 - 48	0.010	78.46
MW-28	6/19/91	WCC	51.5	4	16.5 - 46.5	0.010	75.90
MW-29	06/19/91	WCC	52.4	4	17.5 - 47.5	0.010	79.13
MW-O-1	01/22/91	GMX	40.0	2	25 - 40	0.020	75.48
MW-O-2	01/23/91	GMX	40.0	2	25 - 40	0.020	71.90
MW-O-3	10/25/91	GMX	41.0	6	20.5 - 41	0.010	74.53
MW-O-4	10/25/91	GMX	41.0	4	20.5 - 41	0.010	75.00
MW-SF-1	06/18/90	GMX	40.0	4	25 - 40	0.020	78.93
MW-SF-2	06/18/90	GMX	40.0	4	25 - 40	0.020	78.53
MW-SF-3	06/18/90	GMX	40.0	4	25 - 40	0.020	78.12
MW-SF-4	06/19/90	GMX	40.0	4	25 - 40	0.020	79.38
MW-SF-5	09/19/90	GMX	40.0	4	23 - 38	0.020	79.74
MW-SF-6	09/19/90	GMX	40.0	4	24 - 39	0.020	76.80
MW-SF-9	06/15/95	GMX	40.0	4	25 - 40	----	74.10
MW-SF-10	09/23/03	GMX	30.5	4	10.3 - 29.9	0.020	76.53
MW-SF-11	06/19/07	GMX	44.0	4	20 - 40	0.020	78.56
MW-SF-12	06/18/07	GMX	44.0	4	20 - 40	0.020	78.07
MW-SF-13	06/19/07	GMX	44.0	4	20 - 40	0.020	73.40
MW-SF-14	06/21/07	GMX	44.0	4	20 - 40	0.020	78.16
MW-SF-15	06/21/07	GMX	44.0	4	20 - 40	0.020	78.27
MW-SF-16	06/20/07	GMX	44.0	4	20 - 40	0.020	78.21
PO-7	05/01/89	GW	56.0	4	29 - 49	0.020	80.26
PW-1	01/06/92	GTI	51.5	4	20 - 50	0.010	75.52
PW-2	01/06/92	GTI	50.0	4	20 - 50	0.010	74.71
PW-3	01/06/92	GTI	50.0	4	20 - 50	0.010	73.71
PZ-1	07/12/91	GTI	50.0	2	25 - 50	0.010	73.74
PZ-2	07/12/91	GTI	50.0	2	25 - 50	0.010	73.96
PZ-3	06/03/93	GTI	65.0	2	25 - 65	0.020	76.17
PZ-4	06/02/93	GTI	60.0	2	25 - 60	0.020	76.13
PZ-5	09/26/00	GMX	40.3	4	20.6 - 39.4	0.010	73.97
PZ-6	09/26/00	GMX	37.5	4	22.8 - 37.8	0.010	73.91
PZ-7A	04/07/03	GMX	32.0	2	21.5 - 31.2	0.010	73.87
PZ-7B	04/07/03	GMX	47.5	2	42 - 46.7	0.010	73.79
PZ-8A	04/08/03	GMX	31.5	2	21.2 - 31	0.010	75.81
PZ-8B	04/08/03	GMX	47.0	2	41.4 - 46.2	0.010	75.69

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Well ID	Installation Date	Installed By	Total Depth (feet bgs)	Casing Diameter (inches)	Screen Interval (feet bgs)	Slot Size (inches)	Casing Elevation (feet MSL)
PZ-9A	04/09/03	GMX	32.0	2	21.6 - 30.9	0.010	76.14
PZ-9B	04/09/03	GMX	47.0	2	41.5 - 46.2	0.010	76.26
PZ-10	04/10/03	GMX	38.5	2	23.2 - 37.9	0.020	74.34
RTF-18-E	12/28/15	SGI	41.0	4	25.0 - 40.0	0.020	75.19
RTF-18-N	12/28/15	SGI	41.0	4	25.0 - 40.0	0.020	75.17
RTF-18-NNW	12/29/15	SGI	41.0	4	25.0 - 40.0	0.020	76.77
RTF-18-NW	12/29/15	SGI	41.0	4	25.0 - 40.0	0.020	76.22
RTF-18-W	12/28/15	SGI	41.0	4	25.0 - 40.0	0.020	74.86
TF-8	09/22/95	GTI	63.0	1.5	25 - 60	0.020	75.60
TF-8	09/22/95	GTI	63.0	4	25 - 60	0.020	74.86
TF-9*	09/22/95	GTI	63.0	1.5	25 - 60	0.020	75.27
TF-9*	09/22/95	GTI	63.0	4	25 - 60	0.020	74.47
TF-9R	06/06/17	SGI	50.0	4	20 - 50	0.020	78.00
TF-10	09/25/95	GTI	63.0	1.5	25 - 60	0.020	74.19
TF-10	09/25/95	GTI	63.0	4	25 - 60	0.020	73.61
TF-11*	09/25/95	GTI	63.0	1.5	25 - 60	0.020	74.95
TF-11*	09/25/95	GTI	63.0	4	25 - 60	0.020	74.40
TF-11R	06/17/17	SGI	50.0	4	20 - 50	0.020	77.75
TF-13	09/26/95	GTI	63.0	1.5	25 - 60	0.020	75.90
TF-13	09/26/95	GTI	63.0	4	25 - 60	0.020	75.47
TF-14	09/27/95	GTI	63.0	1.5	25 - 60	0.020	74.78
TF-14	09/27/95	GTI	63.0	4	25 - 60	0.020	74.35
TF-15	09/28/95	GTI	63.0	1.5	25 - 60	0.020	75.40
TF-15	09/28/95	GTI	63.0	4	25 - 60	0.020	74.78
TF-16	09/28/95	GTI	63.0	1.5	25 - 60	0.020	76.48
TF-16	09/28/95	GTI	63.0	4	25 - 60	0.020	75.89
TF-17*	09/29/95	GTI	63.0	1.5	25 - 60	0.020	75.26
TF-17*	09/29/95	GTI	63.0	4	25 - 60	0.020	74.88
TF-17R/EP-72	06/07/17	SGI	40.0	4 (steel)	20 - 40	0.020	77.63
TF-18	07/06/94	GTI	50.5	4	20 - 50	0.020	73.74
TF-19	10/03/95	GTI	63.0	1.5	25 - 60	0.020	75.61
TF-19	10/03/95	GTI	63.0	4	25 - 60	0.020	75.07
TF-20*	10/03/95	GTI	63.0	1.5	25 - 60	0.020	75.59
TF-20*	10/03/95	GTI	63.0	4	25 - 60	0.020	75.08
TF-20R	11/07/16	SGI	63.0	2	25 - 60	0.020	75.26
TF-21	09/29/95	GTI	63.0	1.5	25 - 60	0.020	75.60
TF-21	09/29/95	GTI	63.0	4	25 - 60	0.020	77.91
TF-22*	10/02/95	GTI	63.0	1.5	25 - 60	0.020	74.95
TF-22*	10/02/95	GTI	63.0	4	25 - 60	0.020	74.76
TF-22R	06/06/17	SGI	50.0	2	20 - 50	0.020	79.92
TF-23	07/05/94	GTI	50.5	4	20 - 50	0.020	75.31

**TABLE 1
MONITORING WELL SPECIFICATIONS**

Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Well ID	Installation Date	Installed By	Total Depth (feet bgs)	Casing Diameter (inches)	Screen Interval (feet bgs)	Slot Size (inches)	Casing Elevation (feet MSL)
TF-24	09/26/95	GTI	63.0	1.5	25 - 60	0.020	76.35
TF-24	09/26/95	GTI	63.0	4	25 - 60	0.020	76.43
TF-25	04/04/01	GTI	47.0	1.5	41 - 46	0.020	-----
TF-25	04/04/01	GTI	47.0	4	26 - 36	0.020	74.85
TF-26	04/03/01	GTI	47.0	1.5	41 - 46	0.020	-----
TF-26	04/03/01	GTI	47.0	4	26 - 36	0.020	75.85
TFR-9	12/13/17	SGI	40.0	4	20 - 40	0.020	-----
TFR-12	12/11/17	SGI	40.0	4	20 - 40	0.020	-----
TFR-14	12/13/17	SGI	40.0	4	20 - 40	0.020	-----
TFR-15	12/14/17	SGI	40.0	4	20 - 40	0.020	-----
TFR-18	12/14/17	SGI	40.0	4	20 - 40	0.020	-----
TFR-22	11/30/17	SGI	40.0	4	20 - 40	0.020	-----
TFR-24	11/30/17	SGI	40.0	4	20 - 40	0.020	-----
TFR-27	11/29/17	SGI	40.0	4	20 - 40	0.020	-----
TFR-29	11/29/17	SGI	40.0	4	20 - 40	0.020	-----
TFR-33	11/28/17	SGI	40.0	4	20 - 40	0.020	-----
WCW-1	02/18/92	WCC	52.0	4	20 - 50	0.010	72.86
WCW-2	02/21/92	WCC	52.0	4	20 - 50	0.010	75.34
WCW-3	02/19/92	WCC	56.5	4	19 - 49	0.010	76.16
WCW-4	02/20/92	WCC	56.5	4	20 - 50	0.010	78.05
WCW-5	04/30/92	WCC	52.0	4	19 - 49	0.010	73.49
WCW-6	04/20/92	WCC	53.5	4	20 - 50	0.010	75.52
WCW-7	04/29/92	WCC	53.0	4	20 - 50	0.010	76.44
WCW-8	04/21/92	WCC	53.5	4	20 - 50	0.010	77.34
WCW-9	04/28/92	WCC	53.5	4	20 - 50	0.010	77.74
WCW-10	09/11/92	WCC	56.5	4	25 - 55	0.010	74.06
WCW-11	09/09/92	WCC	61.5	4	30 - 60	0.010	75.29
WCW-12	09/08/92	WCC	61.5	4	30 - 60	0.010	76.27
WCW-13	09/10/92	WCC	61.5	4	30 - 60	0.010	77.70
WCW-14	08/12/98	FDGTI	59.0	4	24 - 59	0.010	78.81

Notes: Monitoring wells sampled during this sampling event are shown in **bold**.
 Biosparge and vapor extraction wells used for remediation purposes only are not included.
 feet bgs = feet below ground surface
 feet MSL = feet above mean sea level
 WCC = Woodward-Clyde Consultants
 GMX = Geomatrix Consultants
 * Well decommissioned by DLA Energy prior to remedial excavation
 SGI = The Source Group, Inc.
 GTI = Groundwater Technology/Groundwater Technology Government Services, Inc.
 FDGTI = Fluor Daniel GTI
 Parsons = Parsons Corporation
 CH2M = CH2M Hill Engineers, Inc.
 ----- = information not available
 GW = Golden West

TABLE 2
GROUNDWATER ELEVATIONS AND MEASURED PRODUCT THICKNESSES, OCTOBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Gauged By	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Water (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
Exposition Aquifer							
EXP-1	10/28/19	SGI	78.44	----	61.83	----	16.61
EXP-1	10/28/19	BT	78.44	----	61.80	----	16.64
EXP-2	10/28/19	SGI	79.43	----	62.96	----	16.47
EXP-2	10/28/19	BT	79.43	----	62.91	----	16.52
EXP-3	10/28/19	SGI	77.58	----	60.90	----	16.68
EXP-3	10/28/19	BT	77.58	----	61.08	----	16.50
EXP-4	10/28/19	BT	79.81	----	63.16	----	16.65
EXP-5	10/28/19	BT	72.41	----	55.50	----	16.91
Uppermost Aquifer							
EP-73	10/30/19	SGI	77.21	36.12	36.19	0.07	NC
GMW-1	10/28/19	BT	74.77	----	DRY (28.05)	----	----
GMW-3	10/28/19	BT	----	unable to locate well			
GMW-4R	10/28/19	BT	75.13	----	34.97	----	40.16
GMW-5	10/28/19	SGI	77.61	obstruction at 28.52 feet			
GMW-6	10/28/19	SGI	77.31	----	36.33	----	40.98
GMW-7	10/30/19	SGI	76.87	----	36.20	----	40.67
GMW-8	10/28/19	BT	73.20	----	33.87	----	39.33
GMW-9	10/28/19	BT	77.16	----	37.90	----	39.26
GMW-10	10/28/19	BT	73.35	33.84	34.12	0.28	NC
GMW-12	10/28/19	SGI	75.21	----	34.59	----	40.62
GMW-13	10/28/19	BT	74.17	----	33.42	----	40.75
GMW-14R	10/28/19	BT	75.30	----	34.98	----	40.32
GMW-15	10/29/19	SGI	76.21	----	35.41	----	40.80
GMW-16	10/29/19	SGI	77.00	----	36.97	----	40.03
GMW-17R	10/28/19	SGI	77.79	----	37.97	----	39.82
GMW-18	10/30/19	SGI	75.36	36.29	36.30	0.01	NC
GMW-19	10/30/19	SGI	76.83	----	35.99	----	40.84
GMW-20	10/28/19	SGI	75.10	----	34.86	----	40.24
GMW-21	10/29/19	SGI	76.23	----	35.42	----	40.81
GMW-22	10/28/19	BT	77.24	----	37.88	----	39.36
GMW-23	11/01/19	BT	74.85	----	35.48	----	39.37
GMW-24	10/28/19	BT	77.48	----	38.65	----	38.83
GMW-25	10/28/19	BT	78.14	----	37.10	----	41.04
GMW-26	10/28/19	BT	74.52	----	35.23	----	39.29
GMW-28	10/28/19	BT	74.68	----	35.73	----	38.95
GMW-29	10/28/19	BT	77.57	----	36.10	----	41.47
GMW-30	10/28/19	BT	74.91	----	35.98	----	38.93
GMW-31	10/28/19	SGI	76.50	----	34.35	----	42.15
GMW-32R	10/29/19	SGI	76.93	obstruction at 28.16 feet			
GMW-33	10/28/19	SGI	74.88	obstruction at 16.26 feet			
GMW-35R	10/29/19	SGI	75.90	----	38.75	----	37.15
GMW-36	10/28/19	BT	76.66	34.84	34.86	0.02	NC
GMW-37	10/28/19	BT	77.32	----	36.30	----	41.02
GMW-38	10/28/19	BT	75.47	----	34.38	----	41.09
GMW-39	10/28/19	BT	75.05	----	33.58	----	41.47

TABLE 2
GROUNDWATER ELEVATIONS AND MEASURED PRODUCT THICKNESSES, OCTOBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Gauged By	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Water (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-40	10/28/19	SGI	NS	unable to locate well			
GMW-41	10/28/19	SGI	72.69	----	33.07	----	39.62
GMW-42	10/28/19	SGI	75.50	----	35.69	----	39.81
GMW-43	10/28/19	SGI	76.07	----	35.48	----	40.59
GMW-44	10/28/19	SGI	75.71	----	35.05	----	40.66
GMW-45	10/30/19	SGI	75.67	----	34.08	----	41.59
GMW-47	10/29/19	SGI	75.98	----	34.84	----	41.14
GMW-48	10/28/19	SGI	75.03	----	37.14	----	37.89
GMW-54	10/28/19	SGI	74.73	----	35.84	----	38.89
GMW-56	10/28/19	SGI	76.52	----	34.09	----	42.43
GMW-57	10/28/19	SGI	76.66	----	35.45	----	41.21
GMW-58	10/30/19	SGI	75.48	----	35.01	----	40.47
GMW-59	10/28/19	SGI	75.28	----	32.61	----	42.67
GMW-60	10/28/19	SGI	76.24	----	34.85	----	41.39
GMW-61	10/28/19	SGI	75.60	----	34.54	----	41.06
GMW-62	10/28/19	SGI	76.34	----	35.05	sheen	41.29
GMW-63	10/28/19	SGI	77.32	----	35.65	----	41.67
GMW-64	10/28/19	SGI	75.84	----	33.82	----	42.02
GMW-65	10/28/19	SGI	76.78	----	35.32	----	41.46
GMW-66R	10/28/19	SGI	79.23	----	38.05	----	41.18
GMW-67	10/28/19	SGI	76.00	----	34.57	----	41.43
GMW-68	10/30/19	SGI	75.52	34.03	34.04	0.01	NC
GMW-69	10/28/19	SGI	75.31	----	33.79	----	41.52
GMW-O-1	10/28/19	BT	71.45	----	31.86	----	39.59
GMW-O-2	10/28/19	BT	72.54	----	31.45	----	41.09
GMW-O-3	10/28/19	BT	72.19	----	31.92	----	40.27
GMW-O-4	10/28/19	BT	71.95	----	31.02	----	40.93
GMW-O-5	10/28/19	BT	72.36	----	31.63	----	40.73
GMW-O-6	10/28/19	BT	71.41	----	29.93	----	41.48
GMW-O-7	10/28/19	BT	70.98	----	DRY (29.00)	----	----
GMW-O-8	10/28/19	BT	70.91	----	30.55	----	40.36
GMW-O-9	10/28/19	BT	73.50	----	34.58	----	38.92
GMW-O-10	10/28/19	BT	73.98	----	35.00	----	38.98
GMW-O-11	10/28/19	BT	74.17	pump in well, could not gauge			
GMW-O-12	10/28/19	BT	73.49	31.85	32.45	0.60	NC
GMW-O-14	10/28/19	BT	74.08	----	34.07	----	40.01
GMW-O-15	10/31/19	BT	74.86	----	29.28	----	45.58
GMW-O-16	10/28/19	BT	74.10	----	32.10	----	42.00
GMW-O-17	10/28/19	BT	73.78	----	31.35	----	42.43
GMW-O-18	10/28/19	BT	74.32	----	32.05	----	42.27
GMW-O-19	10/28/19	BT	74.46	----	32.19	----	42.27
GMW-O-20	11/01/19	BT	73.32	32.50	32.53	0.03	NC
GMW-O-21	11/01/19	BT	71.43	----	33.00	----	38.43
GMW-O-23	10/28/19	BT	73.63	34.39	34.40	0.01	NC
GMW-O-24	10/28/19	BT	74.39	----	DRY	----	----
GMW-SF-7	10/28/19	BT	75.26	----	34.00	----	41.26
GMW-SF-8	10/28/19	BT	76.75	----	35.20	----	41.55

TABLE 2
GROUNDWATER ELEVATIONS AND MEASURED PRODUCT THICKNESSES, OCTOBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Gauged By	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Water (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)	
GW-1	10/29/19	SGI	75.97	----	35.95	----	40.02	
GW-2	10/29/19	SGI	75.78	----	35.33	----	40.45	
GW-3	10/28/19	SGI	75.79	----	35.66	----	40.13	
GW-4	10/28/19	SGI	73.86	----	33.74	----	40.12	
GW-5R	10/28/19	SGI	79.06	----	38.65	----	40.41	
GW-6	10/29/19	SGI	76.38	----	36.29	----	40.09	
GW-7	10/29/19	SGI	75.02	----	35.16	----	39.86	
GW-8	10/29/19	SGI	76.15	----	35.70	----	40.45	
GW-13	10/29/19	SGI	76.85	----	36.61	----	40.24	
GW-14R	10/30/19	SGI	78.77	34.30	34.87	0.57	NC	
GW-15	10/29/19	SGI	74.94	----	34.03	----	40.91	
GW-16	10/28/19	SGI	76.33	----	35.26	----	41.07	
GWR-1R	10/28/19	BT	76.64	----	37.24	----	39.40	
GWR-3	10/28/19	BT	77.60	----	38.58	----	39.02	
HL-2	10/28/19	BT	76.94	----	37.81	----	39.13	
HL-3	10/28/19	BT	76.86	----	37.27	----	39.59	
MW-6	10/28/19	BT	77.20	----	36.77	----	40.43	
MW-7	10/28/19	BT	78.13	----	38.16	----	39.97	
MW-8	10/28/19	BT	76.06	----	32.13	----	43.93	
MW-9	10/30/19	BT	77.11	----	35.25	----	41.86	
MW-12	10/28/19	BT	75.76	----	36.14	----	39.62	
MW-13	10/28/19	SGI	78.25	----	35.16	----	43.09	
MW-14	10/29/19	SGI	78.60	----	36.19	----	42.41	
MW-15R	10/28/19	BT	74.85	----	35.00	----	39.85	
MW-16	10/28/19	SGI	76.87	----	35.65	----	41.22	
MW-17	10/28/19	SGI	77.86	----	36.41	----	41.45	
MW-18 (MID)	10/28/19	BT	75.67	----	40.42	----	35.25	
MW-19 (MID)	10/28/19	BT	78.14	----	41.18	----	36.96	
MW-20 (MID)	10/28/19	BT	77.19	----	39.30	----	37.89	
MW-21 (MID)	10/28/19	BT	77.55	----	37.93	----	39.62	
MW-22 (MID)	10/29/19	SGI	79.57	----	40.98	----	38.59	
MW-24	10/29/19	SGI	77.66	----	37.18	----	40.48	
MW-26	10/29/19	SGI	77.40	----	36.98	----	40.42	
MW-27	10/29/19	SGI	78.46	----	38.50	----	39.96	
MW-28	10/28/19	SGI	75.90	----	35.83	----	40.07	
MW-29	10/28/19	SGI	79.13	----	38.13	----	41.00	
MW-O-1	10/28/19	BT	75.48	----	DRY (39.24)	----	----	
MW-O-2	10/28/19	BT	71.90	obstruction				----
MW-SF-1	10/28/19	BT	78.93	----	39.41	----	39.52	
MW-SF-2	10/28/19	BT	78.53	----	39.26	----	39.27	
MW-SF-3	10/28/19	BT	78.12	----	38.77	----	39.35	
MW-SF-4	10/28/19	BT	79.38	----	39.75	----	39.63	
MW-SF-5	10/28/19	BT	79.74	----	DRY (38.21)	----	----	
MW-SF-6	10/28/19	BT	76.80	----	37.41	----	39.39	
MW-SF-9	10/28/19	BT	74.10	pump in well, could not gauge				----
MW-SF-10	10/28/19	BT	76.53	----	DRY (29.62)	----	----	
MW-SF-11	10/28/19	BT	78.56	----	39.13	----	39.43	

TABLE 2
GROUNDWATER ELEVATIONS AND MEASURED PRODUCT THICKNESSES, OCTOBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Gauged By	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Water (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
MW-SF-12	10/28/19	BT	78.07	----	38.78	----	39.29
MW-SF-13	11/01/19	BT	73.40	----	33.76	----	39.64
MW-SF-14	10/28/19	BT	78.16	----	DRY (36.07)	----	----
MW-SF-15	10/28/19	BT	78.27	----	38.92	----	39.35
MW-SF-16	10/28/19	BT	78.21	----	DRY (35.08)	----	----
PW-1	10/28/19	BT	75.52	----	DRY (34.22)	----	----
PW-2	10/28/19	BT	74.71	----	DRY (35.62)	----	----
PW-3	10/31/19	BT	73.71	----	34.06	----	39.65
PZ-2	10/28/19	BT	73.96	----	34.58	----	39.38
PZ-3	10/29/19	SGI	76.17	----	35.58	----	40.59
PZ-5	10/28/19	BT	73.97	----	32.39	----	41.58
PZ-10	10/28/19	BT	74.34	----	DRY (27.81)	----	----
RTF-18-E	10/30/19	SGI	74.63	33.36	34.11	0.75	NC
RTF-18-N	10/30/19	SGI	75.17	32.70	32.71	0.01	NC
RTF-18-NNW	10/30/19	SGI	74.88	33.89	33.92	0.03	NC
RTF-18-NW	10/30/19	SGI	74.28	33.22	33.44	0.22	NC
RTF-18-W	10/30/19	SGI	74.37	33.32	33.35	0.03	NC
TF-8	10/29/19	SGI	74.86	----	35.42	----	39.44
TF-9R	10/28/19	SGI	78.00	----	38.14	----	39.86
TF-15	10/30/19	SGI	74.78	34.49	36.28	1.79	NC
TF-16	10/30/19	SGI	75.89	34.69	35.73	1.04	NC
TF-17R/EP-72	10/30/19	SGI	77.63	36.55	36.56	0.01	NC
TF-18	10/30/19	SGI	74.16	----	33.09	----	41.07
TF-19	10/29/19	SGI	75.07	----	33.14	----	41.93
TF-20R	10/29/19	SGI	75.26	----	34.00	----	41.26
TF-21	10/28/19	SGI	77.91	----	36.46	----	41.45
TF-23	10/29/19	SGI	75.31	33.93	33.97	0.04	NC
TF-24	10/29/19	SGI	76.43	----	37.09	----	39.34
TFR-9	10/30/19	SGI	NS	36.36	36.64	0.28	NC
TFR-12	10/30/19	SGI	NS	35.78	37.03	1.25	NC
TFR-14	10/30/19	SGI	NS	36.44	36.47	0.03	NC
TFR-15	10/30/19	SGI	NS	35.97	35.99	0.02	NC
TFR-18	10/30/19	SGI	NS	34.00	34.90	0.90	NC
TFR-22	10/30/19	SGI	NS	33.45	34.18	0.73	NC
TFR-24	10/30/19	SGI	NS	33.05	34.41	1.36	NC
TFR-27	10/30/19	SGI	NS	34.10	34.50	0.40	NC
TFR-29	10/30/19	SGI	NS	32.83	36.13	3.30	NC
TFR-33	10/30/19	SGI	NS	33.89	34.01	0.12	NC
VEW-1	10/28/19	BT	----	----	DRY (12.39)	----	----
VEW-2	10/28/19	BT	----	----	DRY (28.76)	----	----
WCW-1	10/28/19	BT	72.86	----	32.70	----	40.16
WCW-2	10/28/19	BT	75.34	----	35.02	----	40.32
WCW-3	10/28/19	BT	76.16	----	35.98	----	40.18
WCW-4	10/28/19	BT	78.05	----	38.03	----	40.02
WCW-5	10/28/19	BT	73.49	----	33.28	----	40.21
WCW-6	10/28/19	BT	75.52	----	35.15	----	40.37
WCW-7	10/28/19	BT	76.44	----	35.97	----	40.47

TABLE 2
GROUNDWATER ELEVATIONS AND MEASURED PRODUCT THICKNESSES, OCTOBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Gauged By	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Water (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
WCW-8	10/28/19	BT	77.34	----	37.20	----	40.14
WCW-9	10/28/19	BT	77.74	----	36.39	----	41.35
WCW-10	10/28/19	BT	74.06	----	33.91	----	40.15
WCW-11	10/28/19	BT	75.29	----	35.57	----	39.72
WCW-12	10/28/19	BT	76.27	----	36.51	----	39.76
WCW-13	10/28/19	BT	77.70	----	38.13	----	39.57
WCW-14	10/28/19	BT	78.81	----	39.20	----	39.61

Notes: feet MSL = feet below mean sea level
 feet btc = feet below top of casing
 SGI = The Source Group, Inc.
 BT = Blaine Tech Services, Inc.
 ---- = not applicable
 NC = not calculated
 NS = not surveyed

TABLE 3
HISTORICAL AND CURRENT FLOATING PRODUCT SUMMARY
 Defense Fuel Supply Point Norwalk

Well ID	Maximum Product Thickness	Date (Maximum Thickness)	Most Recent Measured Thickness	Date Measured	Percent Reduction
North-Central Area					
EP-73	1.78	16-Apr-18	0.07	30-Oct-19	96.1
GMW-7	5.68	28-May-96	0.00	30-Oct-19	100
GMW-11	2.00*	7-Aug-01	0.00	2-Oct-17	100
GMW-12	0.66	28-May-96	0.00	28-Oct-19	100
GMW-15	0.45*	28-May-96	0.00	29-Oct-19	100
GMW-17/GMW-17R	5.82	31-Dec-97	0.00	28-Oct-19	100
GMW-18	6.03	1-May-98	0.01	30-Oct-19	99.8
GMW-20	1.12*	7-Aug-01	0.00	28-Oct-19	100
GMW-21	5.32	28-May-96	0.00	29-Oct-19	100
GMW-34	4.18	20-Nov-96	0.00	1-Oct-10	100
GMW-35/GMW-35R	4.52	28-May-96	0.00	29-Oct-19	100
GMW-41	0.09	15-Apr-14	0.00	28-Oct-19	100
GMW-42	1.47	28-May-96	0.00	28-Oct-19	100
GMW-45	1.42	19-Apr-17	0.00	30-Oct-19	100
GMW-48	2.21	31-Dec-97	0.00	28-Oct-19	100
GMW-50	0.31*	7-May-01	0.00	14-Apr-16	100
GMW-51	2.01*	7-May-01	0.00	12-Apr-12	100
GMW-53	0.01*	8-Apr-10	0.00	12-Apr-12	100
GW-6	0.01*	7-Jul-11	0.00	29-Oct-19	100
GW-7	0.23*	19-Oct-15	0.00	29-Oct-19	100
GW-14/GW-14R	3.47	5-Nov-18	0.57	30-Oct-19	83.6
MW-11	2.89	28-May-96	0.00	5-Apr-13	100
MW-29	0.25	20-Nov-96	0.00	28-Oct-19	100
PZ-3	6.87	1-May-98	0.00	29-Oct-19	100
RTF-18-E	1.68	27-Sep-17	0.75	30-Oct-19	55.4
RTF-18-N	2.65	5-Nov-18	0.01	30-Oct-19	99.6
RTF-18-NNW	2.60	5-Nov-18	0.03	30-Oct-19	98.8
RTF-18-NW	2.55	5-Nov-18	0.22	30-Oct-19	91.4
RTF-18-W	2.65	5-Nov-18	0.03	30-Oct-19	98.9
TF-9/TF-9R	0.04	25-May-99	0.00	28-Oct-19	100
TF-11	0.18	19-Sep-02	0.00	3-Apr-13	100
TF-13	2.92	31-Dec-97	0.00	3-Apr-13	100
TF-14	4.82	31-Dec-97	0.00	3-Apr-13	100
TF-15	3.77	31-Dec-97	1.79	30-Oct-19	52.5
TF-16	4.10	31-Dec-97	1.04	30-Oct-19	74.6
TF-17/TF-17R/EP-72	2.96	1-May-06	0.01	30-Oct-19	99.7
TF-18	2.96	11-Apr-16	0.00	30-Oct-19	100
TF-19	2.26	20-Apr-15	0.00	29-Oct-19	100
TF-20/TF-20R	4.19	1-Dec-06	0.00	29-Oct-19	100
TF-21	0.36	15-May-00	0.00	28-Oct-19	100
TF-22	1.67	1-May-98	0.00	3-Apr-13	100
TF-23	0.39	3-Oct-16	0.04	29-Oct-19	89.7
TF-24	1.94	25-May-99	0.00	29-Oct-19	100
TF-26	1.10	9-Apr-14	1.10	9-Apr-14	0.0
TFR-9	2.49	16-Apr-18	0.28	30-Oct-19	88.8
TFR-12	3.55	5-Nov-18	1.25	30-Oct-19	64.8
TFR-14	0.62	16-Apr-18	0.03	30-Oct-19	95.2
TFR-15	1.90	5-Nov-18	0.02	30-Oct-19	98.9
TFR-18	0.91	5-Nov-18	0.90	30-Oct-19	1.1
TFR-22	5.25	16-Apr-18	0.73	30-Oct-19	86.1
TFR-24	3.45	5-Nov-18	1.36	30-Oct-19	60.6
TFR-27	2.82	16-Apr-18	0.40	30-Oct-19	85.8
TFR-29	7.42	16-Apr-18	3.30	30-Oct-19	55.5
TFR-33	2.90	5-Nov-18	0.12	30-Oct-19	95.9

TABLE 3
HISTORICAL AND CURRENT FLOATING PRODUCT SUMMARY
 Defense Fuel Supply Point Norwalk

Well ID	Maximum Product Thickness	Date (Maximum Thickness)	Most Recent Measured Thickness	Date Measured	Percent Reduction
East-Central Area					
GMW-58	2.71	7-May-01	0.00	30-Oct-19	100
GMW-59	2.17	5-May-00	0.00	28-Oct-19	100
GMW-61	0.02*	20-Oct-15	0.00	28-Oct-19	100
GMW-62	5.63	27-Oct-14	sheen	28-Oct-19	99.9
GMW-68	3.00	3-Oct-16	0.01	28-Oct-19	99.7
GW-15	6.07	13-Apr-13	0.00	29-Oct-19	100
Truck Rack Area					
GMW-4/GMW-4R	5.74	31-Oct-05	0.00	28-Oct-19	100
MW-9	1.59	28-Aug-07	0.00	30-Oct-19	100
MW-15/MW-15R	1.23	12-Nov-07	0.00	28-Oct-19	100
South-Central Area					
GMW-9	6.67	3-Jul-14	0.00	28-Oct-19	100
GMW-10	7.75	4-Nov-02	0.28	28-Oct-19	96.4
GMW-22	7.42	1-May-98	0.00	28-Oct-19	100
GMW-23	4.18	13-Nov-00	0.00	1-Nov-19	100
GMW-24	6.56	3-Jul-14	0.00	28-Oct-19	100
GMW-25	7.68	1-May-98	0.00	28-Oct-19	100
GMW-27/GMW-27R	0.67*	31-Dec-97	0.00	2-Oct-17	100
GMW-28	0.65	1-May-98	0.00	28-Oct-19	100
GMW-29	3.51	19-Oct-15	0.00	28-Oct-19	100
GMW-30	6.11	4-May-99	0.00	28-Oct-19	100
GMW-O-11	4.51	3-Nov-14	0.11	5-Nov-18	97.6
GMW-O-12	11.27	30-Oct-15	0.60	28-Oct-19	94.7
GMW-O-13	2.44	20-Nov-96	0.00	8-Apr-02	100
GMW-O-14	0.03*	31-Dec-97	0.00	28-Oct-19	100
GMW-O-20	5.03	7-Oct-13	0.03	1-Nov-19	99.4
GMW-O-21	2.42	2-Jul-15	0.00	1-Nov-19	100
GMW-O-23	4.56	7-Oct-13	0.01	28-Oct-19	99.8
GMW-SF-9	1.04	5-Sep-14	0.00	21-Oct-15	100
GWR-3	7.35	24-Jul-15	0.00	28-Oct-19	100
MW-18(MID)	0.61	28-May-96	0.00	28-Oct-19	100
MW-O-1	1.53	14-Aug-07	0.00	16-Apr-19	100
MW-O-2	5.19	21-May-15	0.00	16-Apr-19	100
MW-O-4	0.05*	4-May-99	0.00	8-Apr-02	100
MW-SF-1	7.17	6-May-14	0.00	28-Oct-19	100
MW-SF-2	16.82	1-Jul-97	0.00	28-Oct-19	100
MW-SF-3	1.53	7-Aug-01	0.00	28-Oct-19	100
MW-SF-4	8.07	19-Nov-99	0.00	28-Oct-19	100
MW-SF-5	0.02	4-Nov-02	0.00	17-Apr-17	100
MW-SF-6	7.94	20-Nov-96	0.00	28-Oct-19	100
MW-SF-9	9.02	20-Apr-15	0.00	11-Apr-16	100
MW-SF-10	0.14	4-Oct-10	0.00	3-Oct-16	100
MW-SF-11	4.03	20-Apr-15	0.00	28-Oct-19	100
MW-SF-12	5.59	5-Sep-14	0.00	28-Oct-19	100
MW-SF-13	5.85	19-Oct-15	0.00	28-Oct-19	100
MW-SF-14	1.25	14-Apr-14	0.00	3-Oct-16	100
MW-SF-15	3.03	19-Oct-15	0.00	28-Oct-19	100
MW-SF-16	0.59	14-Nov-13	0.00	17-Apr-17	100
PZ-2	1.87	9-Aug-99	0.00	28-Oct-19	100
Southeastern Area					
GMW-36	4.50	26-Dec-12	0.02	28-Oct-19	99.6
GMW-O-15	6.00	28-May-96	0.00	31-Oct-19	100
GMW-O-18	4.94	13-Dec-16	0.00	28-Oct-19	100

Notes:

Measured product thicknesses are in feet.

* = indicates this was the only recorded incidence of free product.

----- = not applicable

TABLE 4
ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER
SECOND SEMI-ANNUAL 2019 SAMPLING EVENT
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Sampled By	Sample Date	TPHg (µg/L)	TPHd (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
Exposition Aquifer														
EXP-1	SGI	10/30/2019	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
EXP-1	BT	10/29/2019	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-2	SGI	10/29/2019	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
EXP-2	BT	10/29/2019	<50	56	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-3	SGI	10/31/2019	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
EXP-3	BT	10/29/2019	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-4	BT	10/30/2019	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-5	BT	10/30/2019	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
Uppermost Aquifer														
GMW-4R	BT	10/30/2019	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-6	SGI	10/29/2019	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-7	SGI	11/6/2019	230	5,000	5.1	<1.0	<1.0	<3.0	<1.0	<2.4	27	<4.0	<4.0	<4.0
GMW-8	BT	10/29/2019	<50	120	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-9	BT	11/1/2019	<50	340	<0.50	<0.50	<0.50	<0.50	<0.50	0.67	<10	<1.0	<1.0	<1.0
GMW-12	SGI	10/30/2019	<100	600	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
DUP-3 (GMW-12)	SGI	10/31/2019	<100	740	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-13	BT	10/30/2019	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-14R	BT	10/30/2019	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-15	SGI	11/6/2019	<100	1,800	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-16	SGI	11/5/2019	<100	210	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-17R	SGI	10/31/2019	<100	<100	1.3	<0.50	4.7	18.2	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-19	SGI	11/6/2019	<100	<100	1.5	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-21	SGI	11/6/2019	<100	4,600	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	21	<2.0	<2.0	<2.0
GMW-23	BT	11/1/2019	130	47,000	<0.50	<0.50	<0.50	<0.50	<0.50	0.64	320	32	<1.0	<1.0
GMW-25	BT	11/1/2019	98	2,600	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-26	BT	11/1/2019	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-28	BT	11/1/2019	87	390	<0.50	<0.50	<0.50	<0.50	<0.50	1.0	500	41	<1.0	<1.0
GMW-30	BT	11/1/2019	<50	1,300	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	20	6.2	<1.0	<1.0
GMW-31	SGI	10/29/2019	<100	120	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-35R	SGI	11/6/2019	220	1,200	11	<1.0	<1.0	<3.0	<1.0	6.3	720	<4.0	<4.0	<4.0
GMW-37	BT	10/29/2019	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-38	BT	10/29/2019	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-39	BT	10/29/2019	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0

TABLE 4
ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER
SECOND SEMI-ANNUAL 2019 SAMPLING EVENT
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Sampled By	Sample Date	TPHg (µg/L)	TPHd (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-41	SGI	10/31/2019	<100	140	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
DUP-4 (GMW-41)	SGI	10/31/2019	<100	170	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-42	SGI	10/29/2019	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-43	SGI	10/31/2019	<100	300	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-44	SGI	10/29/2019	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-45	SGI	11/7/2019	4,300	9,400	99	3.6	49	269.6	<2.5	<6.0	<50	<10	<10	<10
GMW-47	SGI	11/6/2019	<100	600	<0.50	<0.50	<0.50	<1.5	<0.50	2.0	58	<2.0	<2.0	<2.0
DUP-6 (GMW-47)	SGI	11/6/2019	<100	480	<0.50	<0.50	<0.50	<1.5	<0.50	2.4	69	<2.0	<2.0	<2.0
GMW-48	SGI	10/30/2019	<100	450	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-56	SGI	10/29/2019	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
DUP-2 (GMW-56)	SGI	10/29/2019	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-57	SGI	10/30/2019	<100	460	<0.50	<0.50	<0.50	<1.5	<0.50	4.8	87	<2.0	<2.0	<2.0
GMW-58	SGI	11/7/2019	390	1,400	19	<0.50	0.73	3.28	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-59	SGI	10/30/2019	<100	480	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-60	SGI	10/30/2019	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-61	SGI	11/6/2019	<100	340	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-62	SGI	10/28/2019	1,500	7,800	14	<1.0	<1.0	25.2	<1.0	<2.4	<20	<4.0	<4.0	<4.0
DUP-1 (GMW-62)	SGI	10/28/2019	2,100	12,000	12	<1.0	<1.0	25.1	<1.0	<2.4	<20	<4.0	<4.0	<4.0
GMW-63	SGI	10/28/2019	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-64	SGI	10/28/2019	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-65	SGI	10/28/2019	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-66R	SGI	10/29/2019	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-67	SGI	10/28/2019	150	<100	0.75	<0.50	3.6	1.3	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-69	SGI	10/28/2019	710	180	58	<0.50	33	22	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-O-1	BT	11/1/2019	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-2	BT	10/30/2019	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-3	BT	10/30/2019	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-4	BT	10/30/2019	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-5	BT	10/30/2019	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-9	BT	11/1/2019	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-10	BT	11/1/2019	<50	<50	<0.50	<0.50	<0.50	<0.50	11	<0.50	<10	1.2	<1.0	<1.0
GMW-O-14	BT	11/1/2019	28,000	1,300	13,000	88	520	500	<100	<50	<1,000	190	<100	<100
DUP-7 (GMW-O-14)	BT	11/1/2019	28,000	1,200	13,000	97	560	500	<100	<50	<1,000	190	<100	<100

TABLE 4
ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER
SECOND SEMIANNUAL 2019 SAMPLING EVENT
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Sampled By	Sample Date	TPHg (µg/L)	TPHd (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-O-15	BT	10/31/2019	4,400	6,700	470	5.0	35	470	<8.0	530	5,900	<8.0	<8.0	18
GMW-O-16	BT	10/31/2019	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.0	<10	<1.0	<1.0	<1.0
GMW-O-17	BT	10/30/2019	<50	93	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-18	BT	10/31/2019	5,900	10,000	39	<2.5	300	26	<5.0	12	3,400	<5.0	<5.0	<5.0
GMW-O-19	BT	10/31/2019	<50	110	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-21	BT	11/1/2019	7,600	1,100	3,900	12	120	79	<20	<10	<200	32	<20	<20
DUP-4 (GMW-O-21)	BT	11/1/2019	7,000	1,200	3,500	11	120	83	<20	<10	<200	29	<20	<20
GMW-SF-7	BT	10/29/2019	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-SF-8	BT	10/29/2019	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GW-2	SGI	11/5/2019	<100	240	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GW-3	SGI	10/29/2019	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GW-6	SGI	11/5/2019	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GW-8	SGI	11/5/2019	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GW-13	SGI	11/5/2019	<100	430	<0.50	<0.50	<0.50	<1.5	0.87	1.6	23	<2.0	<2.0	<2.0
GW-15	SGI	11/6/2019	<100	140	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GW-16	SGI	10/30/2019	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GWR-1R	BT	11/1/2019	<50	<50	<0.50	<0.50	<0.50	<0.50	1.2	<0.50	<10	<1.0	<1.0	<1.0
DUP-2 (GWR-1R)	BT	11/1/2019	<50	<50	<0.50	<0.50	<0.50	<0.50	1.2	<0.50	<10	<1.0	<1.0	<1.0
HL-2	BT	11/1/2019	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
HL-3	BT	10/30/2019	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-6	BT	10/29/2019	<50	67	<0.50	<0.50	<0.50	<0.50	2.7	0.76	<10	<1.0	<1.0	<1.0
MW-7	BT	10/29/2019	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-8	BT	10/31/2019	1,200	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-9	BT	10/30/2019	<50	280	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<1.0	<1.0	<1.0
MW-12	BT	10/29/2019	<50	120	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-13	SGI	10/29/2019	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
MW-15R	BT	10/30/2019	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-16	SGI	10/30/2019	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
MW-17	SGI	10/30/2019	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
MW-18 (MID)	BT	10/31/2019	<50	98	<0.50	<0.50	<0.50	<0.50	<0.50	1.4	11	<1.0	<1.0	<1.0
MW-19 (MID)	BT	10/29/2019	<50	58	<0.50	<0.50	<0.50	<0.50	1.1	<0.50	11	1.6	<1.0	<1.0
MW-20 (MID)	BT	10/29/2019	<50	52	<0.50	<0.50	<0.50	<0.50	7.6	8.9	16	4.9	<1.0	<1.0

TABLE 4
ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER
SECOND SEMIANNUAL 2019 SAMPLING EVENT
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Sampled By	Sample Date	TPHg (µg/L)	TPHd (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-21 (MID)	BT	10/30/2019	<50	99	<0.50	<0.50	<0.50	<0.50	1.2	0.58	<10	<1.0	<1.0	<1.0
DUP-1 [MW-21 (MID)]	BT	10/30/2019	<50	71	<0.50	<0.50	<0.50	<0.50	1.3	0.62	<10	<1.0	<1.0	<1.0
MW-22 (MID)	SGI	11/5/2019	<100	<100	<0.50	<0.50	<0.50	<1.5	2.3	6.0	11	<2.0	<2.0	<2.0
DUP-5 [MW-22 (MID)]	SGI	11/5/2019	<100	<100	<0.50	<0.50	<0.50	<1.5	2.7	6.3	11	2.0	<2.0	<2.0
MW-24	SGI	11/5/2019	<100	1,300	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
MW-25	SGI	11/7/2019	<100	<100	<0.50	<0.50	<0.50	<1.5	1.4	<1.2	<10	<2.0	<2.0	<2.0
MW-26	SGI	11/5/2019	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
MW-27	SGI	11/5/2019	<100	130	<0.50	<0.50	<0.50	<1.5	<0.50	1.4	<10	<2.0	<2.0	<2.0
MW-29	SGI	10/31/2019	<100	250	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
MW-SF-1	BT	10/31/2019	<200	580	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<2.0	<2.0	<2.0
MW-SF-4	BT	10/31/2019	<50	640	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-SF-6	BT	10/31/2019	<200	13,000	2.8	<1.0	1.8	1.6	<2.0	1.0	60	6.6	<2.0	<2.0
MW-SF-13	BT	11/1/2019	<200	1,000	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<20	<2.0	<2.0	<2.0
MW-SF-15	BT	10/31/2019	130	600	0.55	<1.0	<1.0	<1.0	<2.0	3.5	83	69	<2.0	<2.0
PW-1	SGI	11/7/2019	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
PW-3	BT	10/31/2019	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
PZ-2	BT	10/30/2019	<50	410	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
DUP-6 (PZ-2)	BT	10/30/2019	<50	430	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
PZ-3	SGI	10/31/2019	210	520	<0.50	<0.50	<0.50	<1.5	<0.50	3.1	<10	<2.0	<2.0	<2.0
PZ-5	BT	10/31/2019	1,200	420	<0.50	<0.50	<0.50	<0.50	<1.0	3.4	47,000	<1.0	2.5	<1.0
DUP-5 (PZ-5)	BT	10/31/2019	1,200	190	0.52	<0.50	<0.50	<0.50	<1.0	3.3	54,000	<1.0	2.3	<1.0
TF-8	SGI	11/5/2019	<100	330	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
TF-9R	SGI	10/31/2019	<100	100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
TF-18	SGI	11/7/2019	5,600	9,300	33	<5.0	88	34	<5.0	<12	<100	<20	<20	<20
DUP-7 (TF-18)	SGI	11/7/2019	6,300	8,300	30	<1.0	61	26.2	<1.0	<2.4	71	<4.0	<4.0	<4.0
TF-20R	SGI	11/6/2019	810	640	29	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
TF-21	SGI	10/30/2019	110	310	2.1	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
TF-24	SGI	11/6/2019	<100	2,600	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
WCW-2	BT	10/30/2019	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-3	BT	10/30/2019	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-4	BT	10/30/2019	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-5	BT	10/31/2019	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-6	BT	10/30/2019	<50	<50	<0.50	<0.50	<0.50	<0.50	1.4	<0.50	<10	<1.0	<1.0	<1.0

TABLE 4
ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER
SECOND SEMIANNUAL 2019 SAMPLING EVENT
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Sampled By	Sample Date	TPHg (µg/L)	TPHd (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
WCW-7	BT	10/31/2019	<50	120	<0.50	<0.50	<0.50	<0.50	4.2	0.57	<10	1.3	<1.0	<1.0
WCW-8	BT	10/31/2019	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-12	BT	10/30/2019	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-13	BT	10/30/2019	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-14	BT	10/30/2019	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0

Notes:

Detected concentrations are shown in **bold**.

TPH = total petroleum hydrocarbons

BTEX Compounds = benzene, toluene, ethylbenzene, and total xylenes

1,2-DCA = 1,2-dichloroethane

TPHg = total petroleum hydrocarbons as gasoline

TPHd = total petroleum hydrocarbons as diesel

MTBE = methyl tertiary-butyl ether

TBA = tertiary-butyl alcohol

DIPE = diisopropyl ether

ETBE = ethyl tertiary-butyl ether

TAME = tertiary-amyl methyl ether

µg/L = micrograms per liter

SGI = The Source Group, Inc.

<100 = not detected at or above the indicated laboratory reporting limit

----- = not analyzed

BT = Blaine Tech Services, Inc.

"DUP" indicates laboratory-blind duplicate samples.

TABLE 5
SUMMARY OF ADDITIONAL VOLATILE ORGANIC COMPOUNDS DETECTED IN GROUNDWATER
SECOND SEMIANNUAL 2019 SAMPLING EVENT
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Sampled By	Sample Date	Acetone (µg/L)	n-Butylbenzene (µg/L)	sec-Butylbenzene (µg/L)	tert-Butylbenzene (µg/L)	Carbon Disulfide (µg/L)	Chloroethane (µg/L)	1,1-Dichloroethane (µg/L)	cis-1,2-Dichloroethene (µg/L)	Isopropylbenzene (µg/L)	4-Isopropyltoluene (µg/L)	Naphthalene (µg/L)	n-Propylbenzene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)
Exposition Aquifer																
EXP-1	SGI	10/30/2019	15	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
EXP-1	BT	10/29/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
EXP-2	SGI	10/29/2019	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
EXP-2	BT	10/29/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
EXP-3	SGI	10/31/2019	19	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
EXP-3	BT	10/29/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
EXP-4	BT	10/30/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
EXP-5	BT	10/30/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
Uppermost Aquifer																
GMW-4R	BT	10/30/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
GMW-6	SGI	10/29/2019	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
GMW-7	SGI	11/6/2019	21	<0.50	0.51	1.0	<0.50	<0.50	<0.50	0.55	1.9	<1.0	2.8	<0.50	<0.50	1.2
GMW-8	BT	10/29/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
GMW-9	BT	11/1/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
GMW-12	SGI	10/30/2019	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
DUP-3 (GMW-12)	SGI	10/31/2019	14	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
GMW-13	BT	10/30/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
GMW-14R	BT	10/30/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
GMW-15	SGI	11/6/2019	<10	<0.50	<0.50	0.59	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
GMW-16	SGI	11/5/2019	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
GMW-17R	SGI	10/31/2019	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	1.5	1.3
GMW-19	SGI	11/6/2019	<20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<1.0	<1.0	<1.0
GMW-21	SGI	11/6/2019	32	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
GMW-23	BT	11/1/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
GMW-25	BT	11/1/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
GMW-26	BT	11/1/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
GMW-28	BT	11/1/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
GMW-30	BT	11/1/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	1.1	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
GMW-31	SGI	10/29/2019	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
GMW-35R	SGI	11/6/2019	<20	<1.0	3.2	1.5	<1.0	<1.0	<1.0	<1.0	10	<2.0	<4.0	3.7	<1.0	<1.0
GMW-37	BT	10/29/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
GMW-38	BT	10/29/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
GMW-39	BT	10/29/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0

TABLE 5
SUMMARY OF ADDITIONAL VOLATILE ORGANIC COMPOUNDS DETECTED IN GROUNDWATER
SECOND SEMIANNUAL 2019 SAMPLING EVENT

Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Well	Sampled By	Sample Date	Acetone (µg/L)	n-Butylbenzene (µg/L)	sec-Butylbenzene (µg/L)	tert-Butylbenzene (µg/L)	Carbon Disulfide (µg/L)	Chloroethane (µg/L)	1,1-Dichloroethane (µg/L)	cis-1,2-Dichloroethene (µg/L)	Isopropylbenzene (µg/L)	4-Isopropyltoluene (µg/L)	Naphthalene (µg/L)	n-Propylbenzene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)
GMW-41	SGI	10/31/2019	15	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
DUP-4 (GMW-41)	SGI	10/31/2019	13	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
GMW-42	SGI	10/29/2019	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
GMW-43	SGI	10/31/2019	10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
GMW-44	SGI	10/29/2019	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
GMW-45	SGI	11/7/2019	<50	3.0	3.4	<2.5	<2.5	<2.5	<2.5	<2.5	10	9.2	20	9.4	97	81
GMW-47	SGI	11/6/2019	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
DUP-6 (GMW-47)	SGI	11/6/2019	12	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
GMW-48	SGI	10/30/2019	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	2.8	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
GMW-56	SGI	10/29/2019	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
DUP-2 (GMW-56)	SGI	10/29/2019	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
GMW-57	SGI	10/30/2019	17	<0.50	0.52	0.71	<0.50	<0.50	0.56	<0.50	5.6	<1.0	4.2	2.2	<0.50	<0.50
GMW-58	SGI	11/7/2019	10	6.1	1.6	<0.50	<0.50	<0.50	<0.50	<0.50	4.4	1.5	20	4.8	17	5.6
GMW-59	SGI	10/30/2019	11	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
GMW-60	SGI	10/30/2019	22	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
GMW-61	SGI	11/6/2019	12	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
GMW-62	SGI	10/28/2019	<20	2.9	3.9	<1.0	<1.0	<1.0	<1.0	<1.0	7.7	5.1	12	10	4.3	96
DUP-1 (GMW-62)	SGI	10/28/2019	<20	3.9	6.3	1.3	<1.0	<1.0	<1.0	<1.0	13	4.5	15	18	4.1	86
GMW-63	SGI	10/28/2019	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
GMW-64	SGI	10/28/2019	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
GMW-65	SGI	10/28/2019	<10	<0.50	<0.50	<0.50	0.75	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
GMW-66R	SGI	10/29/2019	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
GMW-67	SGI	10/28/2019	<10	<0.50	0.81	0.60	<0.50	<0.50	<0.50	<0.50	8.8	<1.0	<2.0	5.1	<0.50	<0.50
GMW-69	SGI	10/28/2019	<10	2.0	3.6	0.63	<0.50	<0.50	<0.50	<0.50	26	2.5	28	25	8.8	9.4
GMW-O-1	BT	10/28/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
GMW-O-2	BT	10/30/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
GMW-O-3	BT	10/30/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
GMW-O-4	BT	10/30/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
GMW-O-5	BT	10/30/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
GMW-O-9	BT	11/1/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
GMW-O-10	BT	11/1/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	2.6	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
GMW-O-14	BT	11/1/2019	<2,000	<100	<100	<100	<500	<100	<100	<100	<100	<100	410	150	710	170
DUP-7 (GMW-O-14)	BT	11/1/2019	<2,000	<100	<100	<100	<500	<100	<100	<100	<100	<100	430	150	720	180
GMW-O-15	BT	10/31/2019	<160	<8.0	<8.0	<8.0	<40	<8.0	<8.0	<8.0	<8.0	<8.0	47	<8.0	150	90
GMW-O-16	BT	10/31/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
GMW-O-17	BT	10/30/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
GMW-O-18	BT	10/31/2019	110	10	10	<5.0	<25	<5.0	<5.0	<5.0	20	5.9	68	50	800	8.4

**TABLE 5
SUMMARY OF ADDITIONAL VOLATILE ORGANIC COMPOUNDS DETECTED IN GROUNDWATER
SECOND SEMIANNUAL 2019 SAMPLING EVENT**

Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Well	Sampled By	Sample Date	Acetone (µg/L)	n-Butylbenzene (µg/L)	sec-Butylbenzene (µg/L)	tert-Butylbenzene (µg/L)	Carbon Disulfide (µg/L)	Chloroethane (µg/L)	1,1-Dichloroethane (µg/L)	cis-1,2-Dichloroethene (µg/L)	Isopropylbenzene (µg/L)	4-Isopropyltoluene (µg/L)	Naphthalene (µg/L)	n-Propylbenzene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)
GMW-O-19	BT	10/31/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
GMW-O-21	BT	11/1/2019	<400	<20	<20	<20	<100	<20	<20	<20	27	<20	210	59	38	51
DUP-4 (GMW-O-21)	BT	11/1/2019	<400	<20	<20	<20	<100	<20	<20	<20	24	<20	180	53	31	47
GMW-SF-7	BT	10/29/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
GMW-SF-8	BT	10/29/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
GW-2	SGI	11/5/2019	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
GW-3	SGI	10/29/2019	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
GW-6	SGI	11/5/2019	12	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
GW-8	SGI	11/5/2019	28	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
GW-13	SGI	11/5/2019	10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
GW-15	SGI	11/6/2019	12	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
GW-16	SGI	10/30/2019	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
GWR-1R	BT	11/1/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
DUP-2 (GWR-1R)	BT	11/1/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
HL-2	BT	11/1/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
HL-3	BT	10/30/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
MW-6	BT	10/29/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
MW-7	BT	10/29/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
MW-8	BT	10/31/2019	160	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
MW-9	BT	10/30/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
MW-12	BT	10/29/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
MW-13	SGI	10/29/2019	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
MW-15R	BT	10/30/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
MW-16	SGI	10/30/2019	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
MW-17	SGI	10/30/2019	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
MW-18 (MID)	BT	10/31/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
MW-19 (MID)	BT	10/29/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
MW-20 (MID)	BT	10/29/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
MW-21 (MID)	BT	10/30/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
DUP-1 [MW-21 (MID)]	BT	10/30/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
MW-22 (MID)	SGI	11/5/2019	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
DUP-5 [MW-22 (MID)]	SGI	11/5/2019	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
MW-24	SGI	11/5/2019	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
MW-25	SGI	11/7/2019	15	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
MW-26	SGI	11/5/2019	14	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
MW-27	SGI	11/5/2019	15	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
MW-29	SGI	10/31/2019	<10	<0.50	<0.50	0.65	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
MW-SF-1	BT	10/31/2019	<40	<2.0	<2.0	<2.0	<10	<2.0	<2.0	<2.0	<2.0	<2.0	<10	<2.0	<2.0	<2.0

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SECOND SEMIANNUAL 2019 SAMPLING EVENT

Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Well	Sampled By	Sample Date	Acetone (µg/L)	n-Butylbenzene (µg/L)	sec-Butylbenzene (µg/L)	tert-Butylbenzene (µg/L)	Carbon Disulfide (µg/L)	Chloroethane (µg/L)	1,1-Dichloroethane (µg/L)	cis-1,2-Dichloroethene (µg/L)	Isopropylbenzene (µg/L)	4-Isopropyltoluene (µg/L)	Naphthalene (µg/L)	n-Propylbenzene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)
MW-SF-4	BT	10/31/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
MW-SF-6	BT	10/31/2019	<40	<2.0	<2.0	<2.0	<10	<2.0	<2.0	<2.0	<2.0	<2.0	<10	<2.0	2.1	<2.0
MW-SF-13	BT	11/1/2019	<40	<2.0	<2.0	<2.0	<10	<2.0	<2.0	<2.0	<2.0	<2.0	<10	<2.0	<2.0	<2.0
MW-SF-15	BT	10/31/2019	<20	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
PW-1	SGI	11/7/2019	17	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
PW-3	BT	10/31/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
PZ-2	BT	10/30/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
DUP-6 (PZ-2)	BT	10/30/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
PZ-3	SGI	10/31/2019	24	<0.50	3.7	1.1	<0.50	<0.50	<0.50	<0.50	12	<1.0	<2.0	1.1	<0.50	<0.50
PZ-5	BT	10/31/2019	<20	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	1.1	<1.0
DUP-5 (PZ-5)	BT	10/31/2019	<20	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
TF-8	SGI	11/5/2019	14	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
TF-9R	SGI	10/31/2019	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
TF-18	SGI	11/7/2019	<100	<5.0	8.6	<5.0	<5.0	<5.0	<5.0	<5.0	46	11	86	37	140	110
DUP-7 (TF-18)	SGI	11/7/2019	27	<1.0	5.7	<1.0	<1.0	<1.0	<1.0	<1.0	29	7.8	80	22	96	76
TF-20R	SGI	11/6/2019	<10	2.1	9.0	1.4	<0.50	<0.50	<0.50	<0.50	53	<1.0	75	33	<0.50	<0.50
TF-21	SGI	10/30/2019	<10	<0.50	2.0	0.74	<0.50	<0.50	<0.50	<0.50	11	<1.0	2.9	3.0	<0.50	<0.50
TF-24	SGI	11/6/2019	25	<0.50	<0.50	0.59	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
WCW-2	BT	10/30/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
WCW-3	BT	10/30/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
WCW-4	BT	10/30/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
WCW-5	BT	10/31/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
WCW-6	BT	10/30/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
WCW-7	BT	10/31/2019	15	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
WCW-8	BT	10/31/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
WCW-12	BT	10/30/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
WCW-13	BT	10/30/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
WCW-14	BT	10/30/2019	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0

Notes: Detected concentrations are shown in **bold**.
µg/L = micrograms per liter
SGI = The Source Group, Inc.

BT = Blaine Tech Services, Inc.
<0.50 = not detected at or above the indicated laboratory reporting limit
"DUP" indicates a laboratory-blind duplicate sample.

TABLE 7
ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, AND SELECTED VOCs IN TRIP BLANKS AND EQUIPMENT BLANKS
SECOND SEMIANNUAL 2019 SAMPLING EVENT

Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Sample ID	Sampled By	Sample Date	TPHg (µg/L)	TPHd (µg/L)	Acetone (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	1,2-Dichloroethane (µg/L)	Methyl tertiary-Butyl Ether (µg/L)	tertiary-Butyl Alcohol (µg/L)
QCTB-1	SGI	10/28/2019	----	----	<10	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10
QCEB-1	SGI	10/28/2019	----	----	<10	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10
QCTB-1	SGI	10/29/2019	----	----	<10	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10
QCEB-1	SGI	10/29/2019	----	----	<10	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10
TB-1	BT	10/29/2019	<50	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10
EB-1	BT	10/29/2019	<50	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10
EB-2	BT	10/29/2019	<50	<50	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10
QCTB-1	SGI	10/30/2019	----	----	<10	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10
QCEB-1	SGI	10/30/2019	----	----	15	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10
EB-3	BT	10/30/2019	<50	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10
EB-4	BT	10/30/2019	<50	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10
QCTB-1	SGI	10/31/2019	----	----	<10	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10
QCEB-1	SGI	10/31/2019	----	----	12	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10
EB-5	BT	10/31/2019	<50	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10
EB-6	BT	10/31/2019	<50	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10
TB-3	BT	11/1/2019	<50	----	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10
EB-7	BT	11/1/2019	<50	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10
EB-8	BT	11/1/2019	<50	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10
QCTB-1	SGI	11/5/2019	----	----	<10	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10
QCEB-1	SGI	11/5/2019	----	----	<10	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10
QCTB-1	SGI	11/6/2019	----	----	<10	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10
QCEB-1	SGI	11/6/2019	----	----	<10	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10
QCTB-1	SGI	11/7/2018	----	----	<10	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10
QCEB-1	SGI	11/7/2018	----	----	<10	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10

Notes: Detected concentrations are shown in **bold**.
TPH = total petroleum hydrocarbons
BTEX Compounds = benzene, toluene, ethylbenzene, and total xylenes
VOCs = volatile organic compounds
TPHg = total petroleum hydrocarbons as gasoline
TPHd = total petroleum hydrocarbons as diesel
µg/L = micrograms per liter
SGI = The Source Group, Inc.
---- - not analyzed
<10 = not detected at or above the indicated laboratory reporting limit
BT = Blaine Tech Services, Inc.

APPENDIX A
FIELD DOCUMENTATION (CD ROM ONLY)

SGI FIELD DOCUMENTATION

MONITORING WELL GAUGING DATA
Second Semiannual 2019 Monitoring Event
Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Well ID	Date Measured	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Notes
EP-73	10/30/19 ¹³¹⁶	36.12	36.19	0.07	
EXP-1	10/28/19 ¹¹⁴⁰	-	61.83	-	
EXP-2	10/28/19 ⁰⁸⁴⁶	-	62.96	-	
EXP-3	10/28/19 ¹⁴⁴⁰	-	60.90	-	
GMW-5	10/28/19 ¹⁰²⁰	-	Dry	-	DTB = 28.52
GMW-6	10/28/19 ¹⁰³⁵	-	36.33	-	
GMW-7	10/30/19 ⁰⁸⁴⁶	-	36.20	-	
GMW-12	10/28/19 ¹⁴⁵⁰	-	34.59	-	
GMW-15	10/29/19 ¹⁶⁰⁰	-	35.41	-	
GMW-16	10/29/19 ⁰⁹⁴⁵	-	36.97	-	
GMW-17R	10/28/19 ¹⁶²⁵	-	37.97	-	
GMW-18	10/30/19 ⁰⁸⁴⁵	36.29	36.30	0.01	
GMW-19	10/30/19 ⁰⁸³⁰	-	35.99	-	
GMW-20	10/28/19 ⁰⁹⁴⁵	-	34.86	-	
GMW-21	10/29/19 ¹⁶²⁰	-	35.42	-	
GMW-31	10/28/19 ⁰⁹¹⁵	-	34.35	-	
GMW-32R	10/29/19 ¹³⁵⁵	-	Dry	-	TD = 28.16
GMW-33	10/28/19 ¹⁴²⁰	-	Dry	-	TD = 16.26
GMW-35R	10/29/19 ¹⁵²⁰	-	38.75	-	
GMW-40					can't locate
GMW-41	10/28/19 ¹⁶⁰⁰	-	33.07	-	
GMW-42	10/28/19 ⁰⁹³⁰	-	35.69	-	
GMW-43	10/28/19 ¹⁵³⁰	-	35.48	-	
GMW-44	10/28/19 ¹⁰⁰⁵	-	35.05	-	
GMW-45	10/30/19 ⁰⁹⁰⁵	-	34.08	-	
GMW-47	10/29/19 ¹⁵¹⁵	-	34.84	-	
GMW-48	10/28/19 ¹³⁴⁵	-	37.14	-	
GMW-54	10/29/19 ¹⁶¹⁵	-	35.84	-	

MONITORING WELL GAUGING DATA
Second Semiannual 2019 Monitoring Event
Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Well ID	Date Measured	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Notes
GMW-56					
GMW-57					
GMW-58					Sample if no product.
GMW-59					
GMW-60					
GMW-61					
GMW-62	10-28-19	0.0	35.05	0.0	SHEEN PRESENT, SOCK IN WELL.
GMW-63	10-28-19	0.0	35.65	0.0	
GMW-64	10-28-19	0.0	33.82	0.0	
GMW-65	10-28-19	0.0	35.32	0.0	
GMW-66R	1				
GMW-67	10-28-19	0.0	34.57	0.0	<i>SR</i>
GMW-68	10-30-19	34.03	34.04	0.01 SH	<i>SR</i> Sample if no product.
GMW-69	10-28-19	0.0	33.79	0.0	
GW-1					
GW-2					
GW-3					
GW-4					
GW-5R					
GW-6					
GW-7					
GW-8					
GW-13					
GW-14R					Sample if no product.
GW-15					
GW-16					
MW-13					
MW-14					

MONITORING WELL GAUGING DATA
Second Semiannual 2019 Monitoring Event
Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Well ID	Date Measured	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Notes
GMW-56	10/28/19 ¹⁰⁴⁵	-	34.09	-	
GMW-57	10/28/19 ¹²¹⁰	-	35.45	-	
GMW-58	10/30/19 ⁰⁴⁵⁰	-	35.01	-	Sample if no product.
GMW-59	10/28/19 ¹⁴⁰⁰	-	32.61	-	
GMW-60	10/28/19 ¹¹³²	-	34.85	-	
GMW-61					Beehive in well
GMW-62					
GMW-63					
GMW-64					
GMW-65					
GMW-66R	10/28/19 ¹¹¹⁰	-	38.05	-	
GMW-67					
GMW-68					Sample if no product.
GMW-69					
GW-1	10/29/19 ¹¹⁴⁰	-	35.95	-	
GW-2	10/29/19 ¹⁰⁴⁵	-	35.83 33	-	DTW = 35.33
GW-3	10/28/19 ⁰⁸³⁵	-	35.66	-	
GW-4	10/28/19 ¹⁰¹⁵	-	33.55 33	-	DTW = 33.74
GW-5R	10/28/19 ⁰⁸⁵⁵	-	38.65	-	
GW-6	10/29/19 ¹¹¹⁵	-	36.29	-	
GW-7	10/29/19 ⁰⁹²⁰	-	35.16	-	
GW-8	10/29/19 ⁰⁴⁵⁵	-	35.70	-	
GW-13	10/28/19 ¹⁰⁵⁵ ¹¹⁵⁵	-	35.16 36.61	-	36.61 = DTW
GW-14R	10/30/19 ¹¹¹⁰	34.30	34.87	0.57	Sample if no product.
GW-15	10/29/19 ¹⁴⁴⁰	-	34.03	-	
GW-16	10/28/19 ¹¹²⁰	-	35.26	-	
MW-13	10/28/19 ¹⁰⁵⁵	-	35.16	-	
MW-14	10/29/19 ¹¹⁴¹	-	36.19	-	

MONITORING WELL GAUGING DATA
Second Semiannual 2019 Monitoring Event
Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Well ID	Date Measured	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Notes
MW-16	10/28/19 ¹⁴³⁰	-	35.65	-	
MW-17	10/28/19 ¹¹⁵⁰	-	36.41	-	
MW-22-MID	10/29/19 ¹³⁰⁵	-	40.98	-	
MW-24	10/29/19 ¹⁰³⁰	-	37.18	-	
MW-26	10/29/19 ¹³¹⁵	-	36.98	-	
MW-27	10/29/19 ¹³²⁵	-	38.50	-	
MW-28	10/28/19 ¹⁵⁴⁵	-	35.83	-	
MW-29	10/28/19 ¹⁵¹⁰	-	38.13	-	
PZ-3	10/29/19 ⁰⁸⁴⁰	-	35.58	-	
RTF-18-E	10/30/19 ¹³³⁵	33.36	34.11	0.75	
RTF-18-N	10/30/19 ¹³³⁰	32.70	32.71	0.01	
RTF-18-NNW	10/30/19 ¹¹⁴⁰	33.89	33.92	0.03	
RTF-18-NW	10/30/19 ¹¹⁵⁰	33.22	33.44	0.22	
RTF-18-W	10/30/19 ¹³²⁰	33.32	33.35	0.03	
TF-8	10/29/19 ⁰⁸⁵⁵	-	35.42	-	
TF-9R	10/28/19 ¹⁶²⁰	-	38.14	-	
TF-15	10/30/19 ¹⁰⁵⁵	34.49 34.69	36.28	1.79	Sample if no product.
TF-16	10/30/19 ¹⁰⁴⁵	34.69	35.73	1.04	Sample if no product.
TF-17R	10/30/19 ¹³⁴⁵	36.55	36.56	0.01	Sample if no product.
TF-18	10/30/19 ¹³²⁵	-	33.09	-	Sample if no product.
TF-19	10/29/19 ¹⁴⁰⁵	-	33.14	-	
TF-20R	10/29/19 ¹⁴²⁰	-	34.00	-	
TF-21	10/28/19 ¹³⁴⁵	-	36.46	-	
TF-23	10/29/19 ¹⁵⁴⁵	33.93	33.97	0.04	
TF-24	10/29/19 ¹⁶¹⁰	-	37.09	-	
TFR-9	10/30/19 ⁰⁸⁵⁰	36.36	36.64	0.28	
TFR-12	10/30/19 ¹⁰⁰⁵	35.78	37.03	1.28	
TFR-14	10/30/19 ¹⁰²⁵	36.44	36.47	0.03	

MONITORING WELL GAUGING DATA
Second Semiannual 2019 Monitoring Event
Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Well ID	Date Measured	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Notes
TFR-15	10/30/19 ¹⁰³⁵	35.97	35.99	0.02	
TFR-18	10/30/19 ¹¹¹⁵	34.00	34.90	0.90	
TFR-22	10/30/19 ¹¹²⁵	33.45	34.18	0.73	
TFR-24	10/30/19 ¹¹³⁰	34.10 ^(S.M)	34.41	1.36	DTP = 33.05
TFR-27	10/30/19 ⁰⁴¹⁰	34.10	34.50	0.40	
TFR-29	10/30/19 ⁰⁴²⁵	32.83	36.13	3.30	
TFR-33	10/30/19 ⁰⁴³⁵	33.89	34.01	0.12	

Notes: Sample wells in **BOLD** text if no floating product is measured or observed.
Do not sample shaded wells (gauge only).
Wells in **RED** contained floating product in April 2019.
feet btc = feet below top of well casing

MONITORING WELL INSPECTION CHECKLIST
Second Semiannual 2019 Monitoring Event
Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Well ID	Date	Monument	Flush Mount	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? (Y/N)	Well Secured With Water-Tight Cap and Lock? (Y/N)	Well Vault Dry and Free of Debris? (Y/N)	Comments, Corrective Actions Completed in the Field, Corrective Actions Recommended
EP-73	10/30/19	X		Y	Y	Y	Y	Y	Y	
EXP-1	10/28/19	X		Y	Y	Y	Y	Y	Y	
EXP-2	10/28/19	X		Y	Y	Y	Y	Y	Y	
EXP-3	10/28/19	X		Y	Y	Y	Y	Y	Y	
GMW-5	10/28/19	X	X	Y	Y	Y	Y	Y	Y	
GMW-6	10/28/19		X	Y	Y	Y	Y	Y	Y	
GMW-7	10/30/19		X	Y	Y	Y	Y	Y	Y	
GMW-12	10/28/19		X	Y	Y	Y	Y	Y	Y	
GMW-15	10/29/19		X	Y	Y	Y	Y	Y	Y	
GMW-16	10/29/19		X	Y	Y	Y	Y	Y	Y	
GMW-17R	10/28/19	X		Y	Y	Y	Y	Y	Y	
GMW-18	10/30/19		X	Y	Y	Y	Y	Y	Y	
GMW-19	10/30/19		X	Y	Y	Y	Y	Y	Y	
GMW-20	10/28/19		X	Y	Y	Y	Y	Y	Y	
GMW-21	10/29/19		X	Y	Y	Y	Y	Y	Y	
GMW-31	10/28/19		X	Y	Y	N	Y	Y	Y	labeled lid with sharpie
GMW-32R	10/29/19	X		Y	Y	Y	Y	Y	Y	
GMW-33	10/28/19		X	Y	Y	Y	Y	Y	Y	
GMW-35R	10/29/19	X		Y	Y	Y	Y	Y	Y	
GMW-40										can't locate
GMW-41	10/28/19		X	Y	Y	Y	Y	Y	Y	
GMW-42	10/29/19		X	Y	Y	Y	Y	Y	Y	
GMW-43	10/28/19		X	Y	Y	Y	Y	Y	Y	
GMW-44	10/28/19		X	Y	Y	Y	Y	Y	Y	
GMW-45	10/30/19		X	Y	Y	Y	Y	Y	Y	
GMW-47	10/29/19		X	Y	N	Y	Y	Y	Y	putting cone over well
GMW-48	10/28/19	X		Y	Y	N	Y	Y	Y	labeled well expanding cap
GMW-54	10/28/19		X	Y	Y	Y	Y	Y	Y	

MONITORING WELL INSPECTION CHECKLIST
Second Semiannual 2019 Monitoring Event
Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Well ID	Date	Monument	Flush Mount	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? (Y/N)	Well Secured With Water-Tight Cap and Lock? (Y/N)	Well Vault Dry and Free of Debris? (Y/N)	Comments, Corrective Actions Completed in the Field, Corrective Actions Recommended
GMW-56	10/28/19		X	Y	Y	Y	Y	Y	Y	
GMW-57	10/28/19		X	Y	Y	Y	Y	Y	Y	
GMW-58	10/30/19		X	Y	Y	Y	Y	Y	Y	
GMW-59	10/28/19		X	Y	Y	Y	Y	Y	Y	
GMW-60	10/28/19		X	Y	Y	Y	Y	Y	Y	
GMW-61										
GMW-62	10-28-19		X	Y	Y	Y	Y	Y	Y	
GMW-63	10-28-19		X	Y	Y	Y	Y	Y	Y	
GMW-64	10-28-19		X	Y	Y	Y	Y	Y	Y	
GMW-65	10-28-19		X	Y	Y	Y	Y	Y	Y	
GMW-66R		X		Y	Y	Y	Y	Y	Y	
GMW-67	10-28-19		X	Y	Y	Y	Y	Y	Y	
GMW-68	10-28-19		X	Y	Y	Y	Y	Y	Y	
GMW-69	10-28-19		X	Y	Y	Y	Y	Y	Y	
GW-1	10/29/19		X	Y	Y	Y	Y	Y	Y	
GW-2	10/29/19		X	Y	Y	Y	Y	Y	Y	
GW-3	10/28/19		X	Y	Y	Y	Y	Y	Y	
GW-4	10/29/19		X	Y	Y	Y	Y	Y	Y	
GW-5R	10/29/19	X	X	Y	Y	Y	Y	Y	Y	
GW-6	10/29/19		X	Y	Y	Y	Y	Y	Y	
GW-7	10/29/19		X	Y	Y	Y	Y	Y	Y	
GW-8	10/29/19		X	Y	Y	Y	Y	Y	Y	
GW-13	10/28/19	X		Y	Y	Y	Y	Y	Y	
GW-14R	10/29/19		X	Y	Y	Y	Y	Y	Y	
GW-15	10/29/19		X	Y	Y	Y	Y	N	N	hooked up to treatment system
GW-16	10/28/19		X	Y	Y	Y	Y	Y	Y	
MW-13	10/28/19	X		Y	Y	Y	Y	Y	Y	
MW-14	10/29/19	X		Y	Y	Y	Y	Y	Y	

MONITORING WELL INSPECTION CHECKLIST
Second Semiannual 2019 Monitoring Event
Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Well ID	Date	Monument	Flush Mount	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? (Y/N)	Well Secured With Water-Tight Cap and Lock? (Y/N)	Well Vault Dry and Free of Debris? (Y/N)	Comments, Corrective Actions Completed in the Field, Corrective Actions Recommended
MW-16	10/28/19	X		Y	Y	Y	Y	Y	Y	
MW-17	10/28/19	X		Y	Y	Y	Y	Y	Y	
MW-22-MID	10/29/19	X		Y	Y	Y	Y	Y	Y	
MW-24	10/29/19	X		Y	Y	Y	Y	Y	Y	
MW-26	10/29/19	X		Y	Y	Y	Y	Y	Y	
MW-27	10/29/19	X		Y	Y	Y	Y	Y	Y	
MW-28	10/29/19		X	Y	Y	Y	Y	Y	Y	
MW-29	10/28/19	X		Y	Y	Y	Y	Y	Y	labeled well easy SM cap
PZ-3	10/29/19		X	Y	Y	Y	Y	Y	Y	
RTF-18-E	10/30/19		X	Y	Y	Y	Y	Y	Y	
RTF-18-N	10/30/19		X	Y	Y	Y	Y	Y	Y	
RTF-18-NNW	10/30/19		X	Y	Y	Y	Y	Y	Y	
RTF-18-NW	10/30/19		X	Y	Y	Y	Y	Y	Y	
RTF-18-W	10/30/19		X	Y	Y	Y	Y	Y	Y	
TF-8	10/29/19		X	Y	Y	Y	Y	Y	Y	
TF-9R	10/28/19	X		Y	Y	Y	Y	Y	Y	
TF-15	10/30/19		X	Y	Y	Y	Y	Y	Y	
TF-16	10/30/19		X	Y	Y	Y	Y	Y	Y	
TF-17R	10/30/19	X		Y	Y	Y	Y	Y	Y	
TF-18	10/30/19		X	Y	Y	Y	Y	Y	Y	
TF-19	10/29/19		X	Y	Y	Y	Y	Y	Y	
TF-20R	10/29/19		X	Y	Y	Y	Y	Y	Y	
TF-21	10/28/19	X		Y	Y	Y	Y	Y	Y	
TF-23	10/29/19		X	Y	Y	Y	Y	Y	Y	
TF-24	10/29/19		X	Y	Y	Y	Y	Y	Y	
TFR-9	10/30/19		X	Y	Y	Y	Y	Y	Y	
TFR-12	10/30/19		X	Y	Y	Y	Y	Y	Y	
TFR-14	10/30/19		X	Y	Y	Y	Y	Y	Y	

MONITORING WELL INSPECTION CHECKLIST
Second Semiannual 2019 Monitoring Event
Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Well ID	Date	Monument	Flush Mount	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? (Y/N)	Well Secured With Water-Tight Cap and Lock? (Y/N)	Well Vault Dry and Free of Debris? (Y/N)	Comments, Corrective Actions Completed in the Field, Corrective Actions Recommended
TFR-15	10/30/19		X	Y	Y	Y	Y	Y	Y	
TFR-18	10/30/19		X	Y	Y	Y	Y	Y	Y	
TFR-22	10/30/19		X	Y	Y	Y	Y	Y	Y	
TFR-24	10/30/19		X	Y	Y	Y	Y	Y	Y	
TFR-27	10/30/19		X	Y	Y	Y	Y	Y	Y	
TFR-29	10/30/19		X	Y	Y	Y	Y	Y	Y	
TFR-33	10/30/19		X	Y	Y	Y	Y	Y	Y	

INSTRUMENT CALIBRATION LOG
Second Semiannual 2019 Monitoring Event
Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Instrument	ID Number	Date/Time of Test	Standards Used	Instrument Reading	Calibration to: or Within 10%:	Temperature	Initials
YSI-DDS-		10-28-19 ⁷⁴⁰ A	4.0 ph	4.01 ph	Y	22.8	DL
YSI-DDS		10-28-19 ⁷⁴⁰ A	7.0 ph	7.04 ph	Y	22.8	DL
YSI-DDS		10-28-19 ⁷⁴⁰ A	10.0 ph	9.98 ph	Y	22.8	DL
YSI-DDS		10-28-19 ⁷⁴⁰ A	1413 $\frac{mS}{cm}$	1416 $\frac{mS}{cm}$	Y	22.8	DL
"		10-29-19 ⁷³⁰	4.0 ph	4.00 ph	Y	22.9	DL
"		10-29-19 ⁷³⁰	7.0 ph	7.05 ph	Y	22.9	DL
"		10-29-19 ⁷³⁰	10.0 ph	10.01 ph	Y	22.9	DL
"		10-29-19 ⁷³⁰	1413 ph	1418 $\frac{mS}{cm}$	Y	22.9	DL
YSI-DDS		10-30-19 ⁷²⁰	4.0 ph	4.02 ph	Y	22.8	DL
"		10-30-19 ⁷²⁰	7.0 ph	7.04 ph	Y	22.8	DL
"		10-30-19 ⁷²⁰	10.0 ph	10.02 ph	Y	22.8	DL
"		10-30-19 ⁷²⁰	1413 ph	1421 $\frac{mS}{cm}$	Y	22.8	DL
YSI-DDS		10-31-19 ⁷⁴⁵	4.0 ph	4.02 ph	Y	22.8	DL
"		10-31-19 ⁷⁴⁵	7.0 ph	7.03 ph	Y	22.8	DL
"		10-31-19 ⁷⁴⁵	10.0 ph	9.97 ph	Y	22.8	DL
"		10-31-19 ⁷⁴⁵	1413 $\frac{mS}{cm}$	1421 $\frac{mS}{cm}$	Y	22.8	DL
		10-31-19					

INSTRUMENT CALIBRATION LOG
Second Semiannual 2019 Monitoring Event
Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Instrument	ID Number	Date/Time of Test	Standards Used	Instrument Reading	Calibration to: or Within 10%:	Temperature	Initials
YSI-DDS		11-5-19 8 ⁰⁰	4.0 pH	4.05 pH	Y	23.0	DL
"		11-5-19 8 ⁰⁰	7.0 pH	7.02 pH	Y	23.0	DL
"		11-5-19 8 ⁰⁰	10.0 pH	9.97 pH	Y	23.0	DL
"		11-5-19 8 ⁰⁰	1413 $\frac{mS}{cm}$	1420 $\frac{mS}{cm}$	Y	23.0	DL
YSI-DDS		11-6-19	4.0 pH	4.04 pH	Y	22.9	DL
"		11-6-19	7.0 pH	7.04 pH	Y	22.9	DL
"		11-6-19	10.0 pH	9.99 pH	Y	22.9	DL
"		11-6-19	1413 $\frac{mS}{cm}$	1423 $\frac{mS}{cm}$	Y	22.9	DL
YSI-DDS		11-7-19	4.0 pH	4.05 pH	Y	23.0	DL
"		11-7-19	7.0 pH	7.04 pH	Y	23.0	DL
"		11-7-19	10.0 pH	10.01 pH	Y	23.0	DL
"		11-7-19	1413 $\frac{mS}{cm}$		Y	23.0	DL

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: EXP-1
 Well Diameter: 4"
 Date: 10-30-19

$$\frac{128.50}{TD} - \frac{61.83}{DTW} = \frac{66.67}{\text{Water Column}}$$

$$\frac{122.00}{\text{Bottom of Screen}} - \frac{82.00}{\text{Top of Screen}} = \frac{40.00}{\text{Screen Length}}$$

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{61.83}{DTW} + 1/2 \left(\frac{33.34}{\text{Water Column}} \right) = \frac{95.17}{\text{Pump Intake Depth}}$$

$$\frac{82.00}{\text{Top of Screen Depth}} + 1/2 \left(\frac{20.00}{\text{Screen Length}} \right) = \frac{102.00}{\text{Pump Intake Depth}}$$

Date Purged: 10-30-19 Start (24 Hour) 910 End (24 Hour) 940
 Date Sampled: 10-30-19 Start (24 Hour) 940 End (24 Hour) —

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
913	0.25	61.88	8.03	904	27.5	22.1	0.16	den	0.88
918	1.25	61.92	7.99	903	28.1	22.1	0.14	"	1.03
924	1.25	61.95	7.98	903	28.7	22.2	0.13	"	0.93
930	1.95	61.95	7.97	901	29.2	22.2	0.11	"	0.84
935	2.25	61.95	7.97	899	29.4	22.2	0.10	"	0.69
940	2.25	61.96	7.95	898	29.5	22.3	0.09	"	0.74

PURGING EQUIPMENT				SAMPLING EQUIPMENT			
<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Vac Truck	<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Teflon Bailer
<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Pump	<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Bailer
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump			<input checked="" type="checkbox"/>	Other: Dedicated Tubing		

Remarks: obtain split sample for Blaine Tech

Completed By (Print Name): DAVID WOLZ

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: Exp-2
 Well Diameter: 4"
 Date: 10-29-19

$$\frac{149.00}{\text{TD}} - \frac{62.96}{\text{DTW}} = \frac{86.04}{\text{Water Column}}$$

$$\frac{120.00}{\text{Bottom of Screen}} - \frac{90.00}{\text{Top of Screen}} = \frac{30.00}{\text{Screen Length}}$$

Pump Intake Depth, Screened Above Water Table:

$$\frac{62.96}{\text{DTW}} + 1/2 \left(\frac{43.02}{\text{Water Column}} \right) = \frac{105.98}{\text{Pump Intake Depth}}$$

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{90.00}{\text{Top of Screen Depth}} + 1/2 \left(\frac{15.00}{\text{Screen Length}} \right) = \frac{105.00}{\text{Pump Intake Depth}}$$

Date Purged: 10-29-19 Start (24 Hour) 7:50 End (24 Hour) 8:20
 Date Sampled: 10-29-19 Start (24 Hour) 8:20 End (24 Hour)

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/°C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
7:53	0.25	63.02	8.18	1369	-12.0	20.6	0.65	clear	18.51
7:58	0.25	63.05	8.28	1319	-28.6	20.7	0.35	"	13.62
8:04	1.25	63.07	8.34	1272	-42.8	20.8	0.16	"	12.01
8:09	1.75	63.07	8.38	1259	-44.6	20.8	0.14	"	11.13
8:15	2.25	63.08	8.39	1256	-45.4	20.8	0.13	"	9.69
8:20	2.75	63.08	8.40	1253	-45.6	20.8	0.13	"	9.88

PURGING EQUIPMENT				SAMPLING EQUIPMENT			
<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Vac Truck	<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Teflon Bailor
<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Pump	<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Bailor
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump			<input checked="" type="checkbox"/>	Other: Dedicated Tubing		

Remarks: obtain split sample for BLANETECH

Completed By (Print Name): DAVID WBBEN

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: # EXP-3
 Well Diameter: 4"
 Date: 10-31-19

$$\frac{110.00}{TD} - \frac{60.90}{DTW} = \frac{89.10}{\text{Water Column}}$$

$$\frac{115.00}{\text{Bottom of Screen}} - \frac{85.00}{\text{Top of Screen}} = \frac{30.00}{\text{Screen Length}}$$

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{60.90}{DTW} + 1/2 \left(\frac{44.55}{\text{Water Column}} \right) = \frac{105.45}{\text{Pump Intake Depth}}$$

$$\frac{85.00}{\text{Top of Screen Depth}} + 1/2 \left(\frac{15.00}{\text{Screen Length}} \right) = \frac{100.00}{\text{Pump Intake Depth}}$$

Date Purged: 10-31-19 Start (24 Hour) 8¹⁰ End (24 Hour) 8⁴⁰
 Date Sampled: 10-31-19 Start (24 Hour) 8⁴⁰ End (24 Hour) _____

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
8 ¹³	.25	60.94	7.62	842	12.4	20.9	0.32	clear	8.61
8 ¹⁸	.75	60.97	7.58	842	10.0	20.9	0.28	"	8.39
8 ²⁴	1.25	61.01	7.55	841	9.3	20.9	0.24	"	8.55
8 ³⁰	1.75	61.03	7.54	843	9.0	20.9	0.22	"	8.13
8 ³⁵	2.25	61.04	7.54	843	8.7	20.9	0.21	"	9.03
8 ⁴⁰	2.75	61.04	7.53	844	8.5	20.9	0.20	"	8.89

PURGING EQUIPMENT			SAMPLING EQUIPMENT		
<input type="checkbox"/>	Centrifugal Pump	Vac Truck	<input type="checkbox"/>	Centrifugal Pump	Teflon Bailer
<input type="checkbox"/>	Submersible Pump	Disposable Pump	<input type="checkbox"/>	Submersible Pump	Disposable Bailer
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump		<input checked="" type="checkbox"/>	Other: Dedicated Tubing	

Remarks: _____

Completed By (Print Name): DAVID WOLFE

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: Gmw-6
 Well Diameter: 4"
 Date: 10-29-19

$$\frac{50.00}{\text{TD}} - \frac{36.33}{\text{DTW}} = \frac{13.67}{\text{Water Column}}$$

$$\frac{50.00}{\text{Bottom of Screen}} - \frac{20.00}{\text{Top of Screen}} = \frac{28.00}{\text{Screen Length}}$$

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{36.33}{\text{DTW}} + \frac{1}{2} \left(\frac{6.84}{\text{Water Column}} \right) = \frac{43.17}{\text{Pump Intake Depth}}$$

$$\frac{20.00}{\text{Top of Screen Depth}} + \frac{1}{2} \left(\frac{12.50}{\text{Screen Length}} \right) = \frac{32.50}{\text{Pump Intake Depth}}$$

Date Purged: 10-29-19 Start (24 Hour) 11¹⁵ End (24 Hour) 11⁴⁵
 Date Sampled: 10-29-19 Start (24 Hour) 11⁴⁵ End (24 Hour) _____

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/°C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
11 ¹⁸	0.25	36.37	8.05	1087	70.9	22.5	0.42	clear	1.19
11 ²⁴	0.75	36.41	8.05	1083	72.1	22.5	0.30	"	0.34
11 ³⁰	1.25	36.43	8.06	1080	73.4	22.6	0.21	"	0.89
11 ³⁵	1.75	36.45	8.07	1081	73.8	22.6	0.19	"	1.36
11 ⁴⁰	2.25	36.45	8.08	1081	74.1	22.6	0.18	"	1.39
11 ⁴⁵	2.75	36.46	8.08	1086	74.4	22.6	0.17	"	1.45

PURGING EQUIPMENT			SAMPLING EQUIPMENT				
<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Vac Truck	<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Teflon Bailer
<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Pump	<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Bailer
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump		<input type="checkbox"/>	Other: Dedicated Tubing		<input type="checkbox"/>	

Remarks:

Completed By (Print Name): DAVID WBBAN

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: GMW-7
 Well Diameter: 4"
 Date: 11-6-19

$$\frac{50.00}{\text{TD}} - \frac{36.20}{\text{DTW}} = \frac{13.80}{\text{Water Column}}$$

$$\frac{50.00}{\text{Bottom of Screen}} - \frac{25.00}{\text{Top of Screen}} = \frac{25.00}{\text{Screen Length}}$$

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{36.20}{\text{DTW}} + \frac{1}{2} \left(\frac{6.90}{\text{Water Column}} \right) = \frac{41.10}{\text{Pump Intake Depth}}$$

$$\frac{25.00}{\text{Top of Screen Depth}} + \frac{1}{2} \left(\frac{12.50}{\text{Screen Length}} \right) = \frac{37.50}{\text{Pump Intake Depth}}$$

Date Purged: 11-6-19 Start (24 Hour) 2⁰⁰ End (24 Hour) 3⁰⁰
 Date Sampled: 11-6-19 Start (24 Hour) 3⁰⁰ End (24 Hour) —

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/°C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
2 ⁵³	0.25	36.24	8.12	9.25	-105.0	24.4	0.19	clear	5.73
2 ⁵⁸	0.75	36.28	8.09	9.25	-105.4	24.5	0.14	"	5.70
3 ⁰⁴	1.25	36.31	8.08	9.24	-105.7	24.5	0.13	"	5.55
3 ¹⁰	1.25	36.31	8.08	9.24	-106.0	24.5	0.12	"	5.49
3 ¹⁵	2.25	36.32	8.07	9.24	-106.2	24.5	0.12	"	5.43
3 ²⁰	2.25	36.32	8.07	9.24	-106.3	24.5	0.11	"	5.51
<div style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); opacity: 0.5; font-size: 4em;">X</div>									

PURGING EQUIPMENT			SAMPLING EQUIPMENT		
<input type="checkbox"/>	Centrifugal Pump	Vac Truck	<input type="checkbox"/>	Centrifugal Pump	Teflon Bailer
<input type="checkbox"/>	Submersible Pump	Disposable Pump	<input type="checkbox"/>	Submersible Pump	Disposable Bailer
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump		<input checked="" type="checkbox"/>	Other: Dedicated Tubing	

Remarks: _____

Completed By (Print Name): DAVID Lubban

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: GMW-12
 Well Diameter: 4"
 Date: 10-30-19

$$\frac{50.00}{\text{TD}} - \frac{34.59}{\text{DTW}} = \frac{15.41}{\text{Water Column}}$$

$$\frac{50.00}{\text{Bottom of Screen}} - \frac{25.00}{\text{Top of Screen}} = \frac{25.00}{\text{Screen Length}}$$

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{34.59}{\text{DTW}} + \frac{1}{2} \left(\frac{7.71}{\text{Water Column}} \right) = \frac{42.30}{\text{Pump Intake Depth}}$$

$$\frac{25.00}{\text{Top of Screen Depth}} + \frac{1}{2} \left(\frac{12.50}{\text{Screen Length}} \right) = \frac{37.50}{\text{Pump Intake Depth}}$$

Date Purged: 10-30-19 Start (24 Hour) 2⁴⁵ End (24 Hour) _____
 Date Sampled: 10-30-19 Start (24 Hour) 3¹⁵ End (24 Hour) _____

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/°C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
248	1.25	34.65	8.53	910	-152.3	23.6	0.25	clear	5.65
254	.75	34.69	8.52	910	-153.4	23.6	0.19	"	5.13
300	1.25	34.71	8.52	908	-153.8	23.6	0.15	"	5.19
305	1.75	34.70	8.49	908	-154.3	23.6	0.13	"	5.33
310	2.25	34.72	8.47	907	-154.6	23.7	0.11	"	5.16
315	2.75	34.75	8.46	907	-154.8	23.7	0.10	"	5.02

PURGING EQUIPMENT			SAMPLING EQUIPMENT				
<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Vac Truck	<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Teflon Bailer
<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Pump	<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Bailer
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump		<input type="checkbox"/>	Other: Dedicated Tubing			

Remarks: DUP-3 obtained here

Completed By (Print Name): DAVID WILSON

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: GMW-15
 Well Diameter: 4"
 Date: 11-6-19

$$\frac{50.00}{\text{TD}} - \frac{35.41}{\text{DTW}} = \frac{14.59}{\text{Water Column}}$$

$$\frac{50.00}{\text{Bottom of Screen}} - \frac{25.00}{\text{Top of Screen}} = \frac{25.00}{\text{Screen Length}}$$

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{35.41}{\text{DTW}} + 1/2 \left(\frac{7.30}{\text{Water Column}} \right) = \frac{42.71}{\text{Pump Intake Depth}}$$

$$\frac{25.00}{\text{Top of Screen Depth}} + 1/2 \left(\frac{12.50}{\text{Screen Length}} \right) = \frac{37.50}{\text{Pump Intake Depth}}$$

Date Purged: 11-6-19 Start (24 Hour) 12⁰⁰ End (24 Hour) 12³⁰
 Date Sampled: 11-6-19 Start (24 Hour) 12³⁰ End (24 Hour) _____

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/°C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
12 ⁰³	.25	35.44	7.91	1010	-109.3	23.8	0.31	clear	7.34
12 ⁰⁸	.75	35.50	7.91	1011	-110.6	23.8	0.16	"	7.30
12 ¹⁴	1.25	35.52	7.90	1011	-111.8	23.8	0.14	"	7.18
12 ²⁰	1.75	35.53	7.90	1011	-112.5	23.8	0.12	"	7.23
12 ²⁵	2.25	35.53	7.90	1013	-112.9	23.9	0.11	"	7.01
12 ³⁰	2.75	35.54	7.89	1013	-113.3	23.9	0.10	"	6.99
 									
 									
 									
 									
 									
 									
 									
 									

PURGING EQUIPMENT			SAMPLING EQUIPMENT		
<input type="checkbox"/>	Centrifugal Pump	Vac Truck	<input type="checkbox"/>	Centrifugal Pump	Teflon Bailer
<input type="checkbox"/>	Submersible Pump	Disposable Pump	<input type="checkbox"/>	Submersible Pump	Disposable Bailer
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump		<input checked="" type="checkbox"/>	Other: Dedicated Tubing	

Remarks:

Completed By (Print Name): DAVID WILSON

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: GMW-16
 Well Diameter: 4"
 Date: 11-5-19

$$\frac{50.00}{TD} - \frac{36.97}{DTW} = \frac{13.03}{\text{Water Column}}$$

$$\frac{50.00}{\text{Bottom of Screen}} - \frac{28.00}{\text{Top of Screen}} = \frac{25.00}{\text{Screen Length}}$$

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{36.97}{DTW} + \frac{1}{2} \left(\frac{6.52}{\text{Water Column}} \right) = \frac{43.49}{\text{Pump Intake Depth}}$$

$$\frac{25.00}{\text{Top of Screen Depth}} + \frac{1}{2} \left(\frac{12.50}{\text{Screen Length}} \right) = \frac{37.50}{\text{Pump Intake Depth}}$$

Date Purged: 11-5-19 Start (24 Hour) 10¹⁰ End (24 Hour) 10⁴⁰
 Date Sampled: 11-5-19 Start (24 Hour) 10⁴⁰ End (24 Hour) —

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/°C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
10 ¹³	.25	36.99	8.13	765	121.4	22.0	0.63	cloud	7.74
10 ¹⁸	.25	37.04	8.09	765	121.1	22.0	0.25	"	7.13
10 ²⁴	1.25	37.07	8.07	766	120.6	22.1	0.16	"	7.75
10 ²⁹	1.75	37.10	8.05	767	120.1	22.1	0.13	"	8.30
10 ³⁵	2.25	37.11	8.05	766	119.7	22.1	0.10	"	8.06
10 ⁴⁰	2.75	37.13	8.04	767	119.4	22.1	0.09	"	7.86

PURGING EQUIPMENT			SAMPLING EQUIPMENT		
<input type="checkbox"/>	Centrifugal Pump	Vac Truck	<input type="checkbox"/>	Centrifugal Pump	Teflon Bailer
<input type="checkbox"/>	Submersible Pump	Disposable Pump	<input type="checkbox"/>	Submersible Pump	Disposable Bailer
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump		<input checked="" type="checkbox"/>	Other: Dedicated Tubing	

Remarks: _____

Completed By (Print Name): DAVID WOODEN

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET GMW-17R (DS)

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: GMW-17R DL
 Well Diameter: 4"
 Date: 10-31-19

$$\begin{array}{r} 50.00 \\ \text{TD} \end{array} - \begin{array}{r} 37.97 \\ \text{DTW} \end{array} = \begin{array}{r} 12.03 \\ \text{Water Column} \end{array}$$

$$\begin{array}{r} 50.00 \\ \text{Bottom of Screen} \end{array} - \begin{array}{r} 20.00 \\ \text{Top of Screen} \end{array} = \begin{array}{r} 30.00 \\ \text{Screen Length} \end{array}$$

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\begin{array}{r} 37.97 \\ \text{DTW} \end{array} + 1/2 \left(\begin{array}{r} 6.02 \\ \text{Water Column} \end{array} \right) = \begin{array}{r} 43.99 \\ \text{Pump Intake Depth} \end{array}$$

$$\begin{array}{r} 20.00 \\ \text{Top of Screen Depth} \end{array} + 1/2 \left(\begin{array}{r} 15.00 \\ \text{Screen Length} \end{array} \right) = \begin{array}{r} 35.00 \\ \text{Pump Intake Depth} \end{array}$$

Date Purged: 10-31-19 Start (24 Hour) 12⁰⁰ End (24 Hour) 12³⁰
 Date Sampled: 10-31-19 Start (24 Hour) 12³⁰ End (24 Hour)

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
12 ⁰³	.25	38.04	8.04	987	988	25.5	8.08	clear	22.04
12 ⁰⁸	.75	38.07	7.99	985	985	25.5	8.10	"	18.16
12 ¹⁴	1.25	38.10	7.97	982	982	25.5	8.13	"	15.01
12 ²⁰	1.75	38.10	7.95	982	980	25.6	8.12	"	11.93
12 ²⁵	2.25	38.11	7.91	981	979	25.6	8.13	"	10.84
12 ³⁰	2.75	38.12	7.92	979	979	25.6	8.14	"	10.91

PURGING EQUIPMENT			SAMPLING EQUIPMENT		
<input type="checkbox"/>	Centrifugal Pump	Vac Truck	<input type="checkbox"/>	Centrifugal Pump	Teflon Bailor
<input type="checkbox"/>	Submersible Pump	Disposable Pump	<input type="checkbox"/>	Submersible Pump	Disposable Bailor
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump		<input checked="" type="checkbox"/>	Other: Dedicated Tubing	

Remarks:

Completed By (Print Name): DAVID WILSON

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5

Client/Site: DLA/DFSP Norwalk

Address: 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GMW-18

Well Diameter: 4"

Date: 11-6-19

50.00 - 36.30 = 13.70
TD DTW Water Column

50.00 - 25.00 = 25.00
Bottom of Screen Top of Screen Screen Length

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

 + 1/2() =
DTW Water Column Pump Intake Depth

25.00 + 1/2(12.50) = 37.50
Top of Screen Depth Screen Length Pump Intake Depth

Date Purged: 11-6-19 Start (24 Hour) _____ End (24 Hour) _____

Date Sampled: 11-6-19 Start (24 Hour) _____ End (24 Hour) _____

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/°C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
<i>(Table is crossed out with a large blue X)</i>									

PURGING EQUIPMENT				SAMPLING EQUIPMENT			
<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Vac Truck	<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Teflon Bailer
<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Pump	<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Bailer
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump			<input checked="" type="checkbox"/>	Other: Dedicated Tubing		

Remarks: Product in well.

Completed By (Print Name): DAVID LUBIN

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: Gmw-19
 Well Diameter: 4"
 Date: 11-6-19

$$\frac{50.00}{\text{TD}} - \frac{35.99}{\text{DTW}} = \frac{14.01}{\text{Water Column}}$$

$$\frac{50.00}{\text{Bottom of Screen}} - \frac{25.00}{\text{Top of Screen}} = \frac{25.00}{\text{Screen Length}}$$

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{35.99}{\text{DTW}} + \frac{1}{2} \left(\frac{7.01}{\text{Water Column}} \right) = \frac{43.00}{\text{Pump Intake Depth}}$$

$$\frac{25.00}{\text{Top of Screen Depth}} + \frac{1}{2} \left(\frac{12.50}{\text{Screen Length}} \right) = \frac{37.50}{\text{Pump Intake Depth}}$$

Date Purged: 11-6-19 Start (24 Hour) 2¹⁰ End (24 Hour) 2³⁵
 Date Sampled: 11-6-19 Start (24 Hour) 2³⁵ End (24 Hour) _____

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/°C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
2 ¹³	.25	36.04	7.91	664	-85.0	24.2	0.23	clear	1.76
2 ¹⁸	.75	36.08	7.90	664	-85.3	24.2	0.16	"	1.79
2 ²⁴	1.25	36.12	7.90	663	-85.5	24.2	0.12	"	1.91
2 ²⁹	1.75	36.13	7.90	663	-85.6	24.2	0.10	"	1.83
2 ³⁵	2.25	36.14	7.89	663	-85.5	24.2	0.10	"	1.81
2³⁵									

PURGING EQUIPMENT			SAMPLING EQUIPMENT		
<input type="checkbox"/>	Centrifugal Pump	Vac Truck	<input type="checkbox"/>	Centrifugal Pump	Teflon Bailer
<input type="checkbox"/>	Submersible Pump	Disposable Pump	<input type="checkbox"/>	Submersible Pump	Disposable Bailer
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump		<input checked="" type="checkbox"/>	Other: Dedicated Tubing	

Remarks:

Completed By (Print Name): DAVID Lobban

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: Gmw-21
 Well Diameter: 4"
 Date: 11-6-19

$$\frac{50.00}{TD} - \frac{35.42}{DTW} = \frac{14.58}{Water\ Column}$$

$$\frac{50.00}{Bottom\ of\ Screen} - \frac{25.00}{Top\ of\ Screen} = \frac{25.00}{Screen\ Length}$$

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{35.42}{DTW} + \frac{1}{2} \left(\frac{7.29}{Water\ Column} \right) = \frac{42.51}{Pump\ Intake\ Depth}$$

$$\frac{25.00}{Top\ of\ Screen\ Depth} + \frac{1}{2} \left(\frac{12.50}{Screen\ Length} \right) = \frac{37.50}{Pump\ Intake\ Depth}$$

Date Purged: 11-6-19 Start (24 Hour) 125 End (24 Hour) 155
 Date Sampled: 11-6-19 Start (24 Hour) 155 End (24 Hour) _____

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
128	0.25	35.47	8.03	995	-24.5	24.7	0.21	clear	7.97
134	1.75	35.51	8.03	994	-24.9	24.6	0.17	"	7.91
139	1.25	35.52	8.03	994	-25.3	24.6	0.13	"	7.69
144	1.25	35.54	8.02	993	-25.7	24.5	0.11	"	7.71
150	2.25	35.56	8.02	993	-25.9	24.5	0.10	"	7.56
155	2.75	35.56	8.01	993	-26.2	24.5	0.10	"	7.59

PURGING EQUIPMENT			SAMPLING EQUIPMENT		
<input type="checkbox"/>	Centrifugal Pump	Vac Truck	<input type="checkbox"/>	Centrifugal Pump	Teflon Bailor
<input type="checkbox"/>	Submersible Pump	Disposable Pump	<input type="checkbox"/>	Submersible Pump	Disposable Bailor
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump		<input checked="" type="checkbox"/>	Other: Dedicated Tubing	

Remarks: _____

Completed By (Print Name): DAVID Lobben

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: GMW-31
 Well Diameter: 4"
 Date: 10-29-19

$$\frac{65.00}{\text{TD}} - \frac{34.35}{\text{DTW}} = \frac{20.65}{\text{Water Column}}$$

$$\frac{65.00}{\text{Bottom of Screen}} - \frac{25.00}{\text{Top of Screen}} = \frac{40.00}{\text{Screen Length}}$$

Pump Intake Depth, Screened Above Water Table:

$$\frac{34.35}{\text{DTW}} + 1/2 \left(\frac{10.33}{\text{Water Column}} \right) = \frac{44.68}{\text{Pump Intake Depth}}$$

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{25.00}{\text{Top of Screen Depth}} + 1/2 \left(\frac{20.00}{\text{Screen Length}} \right) = \frac{45.00}{\text{Pump Intake Depth}}$$

Date Purged: 10-29-19 Start (24 Hour) 9:15 End (24 Hour) 9:45
 Date Sampled: 10-29-19 Start (24 Hour) 9:45 End (24 Hour) _____

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
9:18	0.25	34.40	8.41	1003	17.0	22.2	0.72	clear	10.32
9:24	0.75	34.44	8.39	1002	10.3	22.4	0.45	"	9.82
9:30	1.25	34.47	8.38	1002	7.1	22.7	0.31	"	9.14
9:35	1.75	34.49	8.38	1002	3.7	22.8	0.26	"	9.71
9:40	2.25	34.50	8.37	1002	3.5	22.9	0.23	"	9.62
9:45	2.75	34.50	8.37	1001	3.1	22.9	0.24	"	9.69
 									
 									
 									
 									
 									
 									
 									
 									

PURGING EQUIPMENT			SAMPLING EQUIPMENT		
<input type="checkbox"/>	Centrifugal Pump	Vac Truck	<input type="checkbox"/>	Centrifugal Pump	Teflon Bailer
<input type="checkbox"/>	Submersible Pump	Disposable Pump	<input type="checkbox"/>	Submersible Pump	Disposable Bailer
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump		<input checked="" type="checkbox"/>	Other: Dedicated Tubing	

Remarks: _____

Completed By (Print Name): DAVID Lobban

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5

Client/Site: DLA/DFSP Norwalk

Address: 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GMW-32R

Well Diameter: 4"

Date: 11-6-19

$$\frac{50.00}{\text{TD}} - \frac{\text{DRY}}{\text{DTW}} = \frac{0.00}{\text{Water Column}}$$

$$\frac{50.00}{\text{Bottom of Screen}} - \frac{20.00}{\text{Top of Screen}} = \frac{30.00}{\text{Screen Length}}$$

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{\text{DTW}}{\text{DTW}} + \frac{1}{2} \left(\frac{\text{Water Column}}{\text{Water Column}} \right) = \frac{\text{Pump Intake Depth}}{\text{Pump Intake Depth}}$$

$$\frac{20.00}{\text{Top of Screen Depth}} + \frac{1}{2} \left(\frac{15.00}{\text{Screen Length}} \right) = \frac{35.00}{\text{Pump Intake Depth}}$$

Date Purged: 11-6-19 Start (24 Hour) _____ End (24 Hour) _____

Date Sampled: 11-6-19 Start (24 Hour) _____ End (24 Hour) _____

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/C)	D.O. (mg/L)	COLOR (visual)	TURBITY (visual or NTU)
(Table is crossed out with a large blue X)									

PURGING EQUIPMENT				SAMPLING EQUIPMENT			
<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Vac Truck	<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Teflon Bailer
<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Pump	<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Bailer
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump			<input checked="" type="checkbox"/>	Other: Dedicated Tubing		

Remarks: DRY @ 28.16

Completed By (Print Name): DAVID Wobben

Signature: David Wobben

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5

Well ID: GMW-33

Client/Site: DLA/DFSP Norwalk

Well Diameter: _____

Address : 15306 Norwalk Boulevard
Norwalk, California 90650 @16.26

Date: _____

TD -- DRY -- = _____
DTW Water Column

Bottom of Screen Top of Screen = _____
Screen Length

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

_____ + 1/2(_____) = _____
DTW Water Column Pump Intake Depth

_____ + 1/2(_____) = _____
Top of Screen Depth Screen Length Pump Intake Depth

Date Purged: _____ **Start (24 Hour)** _____ **End (24 Hour)** _____

Date Sampled: _____ **Start (24 Hour)** _____ **End (24 Hour)** _____

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/°C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)

PURGING EQUIPMENT			SAMPLING EQUIPMENT		
Centrifugal Pump		Vac Truck	Centrifugal Pump		Teflon Bailer
Submersible Pump		Disposable Pump	Submersible Pump		Disposable Bailer
Other: Low Flow Submersible Pump			Other: Dedicated Tubing		

Remarks: DRY @ 16.26 DTB

Completed By (Print Name): DAVID WEBER

Signature:

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: GMW-35R
 Well Diameter: 4"
 Date: 11-6-19

$$\frac{50.00}{TD} - \frac{38.75}{DTW} = \frac{11.25}{Water\ Column}$$

$$\frac{50.00}{Bottom\ of\ Screen} - \frac{20.00}{Top\ of\ Screen} = \frac{30.00}{Screen\ Length}$$

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{38.75}{DTW} + \frac{1}{2} \left(\frac{5.63}{Water\ Column} \right) = \frac{44.38}{Pump\ Intake\ Depth}$$

$$\frac{20.00}{Top\ of\ Screen\ Depth} + \frac{1}{2} \left(\frac{15.00}{Screen\ Length} \right) = \frac{35.00}{Pump\ Intake\ Depth}$$

Date Purged: 11-6-19 Start (24 Hour) 11:00 End (24 Hour) 11:30
 Date Sampled: 11-6-19 Start (24 Hour) 11:30 End (24 Hour) _____

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
11:03	0.25	38.78	8.01	770	-86.3	22.6	0.63	clear	20.96
11:09	0.75	38.83	8.01	770	-88.1	22.6	0.41	"	16.12
11:15	1.25	38.87	8.00	769	-89.4	22.6	0.33	"	19.10
11:20	1.75	38.90	8.00	769	-89.3	22.7	0.25	"	15.16
11:25	2.25	38.91	8.01	769	-89.7	22.7	0.23	"	13.81
11:30	2.75	38.91	8.00	768	-89.9	22.7	0.22	"	13.75
<div style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); opacity: 0.5; font-size: 4em;">X</div>									

PURGING EQUIPMENT			SAMPLING EQUIPMENT		
<input type="checkbox"/>	Centrifugal Pump		<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>
<input type="checkbox"/>	Submersible Pump		<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump		<input checked="" type="checkbox"/>	Other: Dedicated Tubing	

Remarks:

Completed By (Print Name): DAVID WBBAN

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: GMW-41
 Well Diameter: 4"
 Date: 10-31-19

$$\frac{50.50}{TD} - \frac{33.07}{DTW} = \frac{16.93}{\text{Water Column}}$$

$$\frac{50.50}{\text{Bottom of Screen}} - \frac{20.00}{\text{Top of Screen}} = \text{Screen Length}$$

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{33.07}{DTW} + 1/2 \left(\frac{8.47}{\text{Water Column}} \right) = \frac{41.54}{\text{Pump Intake Depth}}$$

$$\frac{\text{Top of Screen Depth}}{+1/2 \left(\frac{\text{Screen Length}}{\text{Pump Intake Depth}} \right)} =$$

Date Purged: 10-31-19 Start (24 Hour) 10³⁰ End (24 Hour) 11⁰⁰ A
 Date Sampled: 10-31-19 Start (24 Hour) 11⁰⁰ End (24 Hour)

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
10 ³³	0.25	33.13	8.26	780	66.5	22.7	8.73	clear	29.05
10 ³⁹	.75	33.17	8.22	780	68.9	22.7	8.64	"	28.16
10 ⁴⁵	1.25	33.19	8.21	781	69.5	22.8	8.60	"	27.10
10 ⁵⁰	1.75	33.21	8.20	781	70.1	22.9	8.55	"	27.13
10 ⁵⁵	2.25	33.23	8.20	781	70.2	22.9	8.51	"	26.01
11 ⁰⁰	2.75	33.24	8.19	782	70.5	22.9	8.48	"	26.41

PURGING EQUIPMENT				SAMPLING EQUIPMENT			
<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Vac Truck	<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Teflon Bailor
<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Pump	<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Bailor
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump			<input checked="" type="checkbox"/>	Other: Dedicated Tubing		

Remarks: DUP-4 obtained here

Completed By (Print Name): DAVID hobban

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019



GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5

Well ID: GMW-42 (42)

Client/Site: DLA/DFSP Norwalk

Well Diameter: 4"

Address: 15306 Norwalk Boulevard
Norwalk, California 90650

Date: 10-29-19

$$\frac{50.50}{\text{TD}} - \frac{35.69}{\text{DTW}} = \frac{14.81}{\text{Water Column}}$$

$$\frac{50.00}{\text{Bottom of Screen}} - \frac{20.00}{\text{Top of Screen}} = \frac{30.00}{\text{Screen Length}}$$

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{35.69}{\text{DTW}} + \frac{1}{2} \left(\frac{7.41}{\text{Water Column}} \right) = \frac{43.10}{\text{Pump Intake Depth}}$$

$$\frac{20.00}{\text{Top of Screen Depth}} + \frac{1}{2} \left(\frac{15.00}{\text{Screen Length}} \right) = \frac{35.00}{\text{Pump Intake Depth}}$$

Date Purged: 10-29-19 Start (24 Hour) 9⁰⁵ End (24 Hour) 10²⁵

Date Sampled: 10-29-19 Start (24 Hour) 10²⁵ End (24 Hour) —

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
9 ⁵⁸	.25	35.73	8.68	974	34.5	24.0	0.23	clear	2.85
10 ⁰³	.25	35.76	8.64	978	32.4	24.0	0.19	"	2.71
10 ⁰⁹	1.25	35.78	8.62	980	31.3	24.1	0.18	"	2.63
10 ¹⁶	1.25	35.80	8.60	981	30.2	24.1	0.17	"	2.74
10 ²⁰	2.25	35.80	8.57	982	30.0	24.1	0.15	"	2.91
10 ²⁵	2.75	35.81	8.56	982	29.6	24.1	0.15	"	2.88
 									
 									
 									
 									
 									
 									
 									
 									
 									

PURGING EQUIPMENT			SAMPLING EQUIPMENT		
<input type="checkbox"/>	Centrifugal Pump		<input type="checkbox"/>	Vac Truck	
<input type="checkbox"/>	Submersible Pump		<input type="checkbox"/>	Disposable Pump	
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump		<input checked="" type="checkbox"/>	Other: Dedicated Tubing	

Remarks: _____

Completed By (Print Name): DAVID WBBEN

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: GMW-43
 Well Diameter: 4"
 Date: 10-31-19

$$\frac{50.50}{\text{TD}} - \frac{35.48}{\text{DTW}} = \frac{15.02}{\text{Water Column}}$$

$$\frac{50.00}{\text{Bottom of Screen}} - \frac{25.00}{\text{Top of Screen}} = \frac{25.00}{\text{Screen Length}}$$

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{35.48}{\text{DTW}} + \frac{1}{2} \left(\frac{7.51}{\text{Water Column}} \right) = \frac{42.99}{\text{Pump Intake Depth}}$$

$$\frac{25.00}{\text{Top of Screen Depth}} + \frac{1}{2} \left(\frac{12.50}{\text{Screen Length}} \right) = \frac{37.50}{\text{Pump Intake Depth}}$$

Date Purged: 10-31-19 Start (24 Hour) 945 End (24 Hour) 10¹⁵
 Date Sampled: 10-31-19 Start (24 Hour) 10¹⁵ End (24 Hour)

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/°C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
949	.25	35.53	7.95	655	-80.0	22.6	0.21	clear	194.36
955	.25	35.58	7.92	656	-80.1	22.6	0.21	"	151.61
9000	1.25	35.60	7.92	656	-80.3	22.8	0.21	"	129.63
1005	1.25	35.61	7.91	658	-80.4	22.8	0.20	"	122.41
1010	2.25	35.61	7.90	659	-80.5	22.8	0.20	"	120.30
1015	2.25	35.62	7.90	660	-80.6	22.8	0.20	"	126.41

PURGING EQUIPMENT			SAMPLING EQUIPMENT		
<input type="checkbox"/>	Centrifugal Pump		<input type="checkbox"/>	Vac Truck	
<input type="checkbox"/>	Submersible Pump		<input type="checkbox"/>	Disposable Pump	
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump		<input checked="" type="checkbox"/>	Other: Dedicated Tubing	

Remarks: _____

Completed By (Print Name): DAVID Wobben

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: GMW-44
 Well Diameter: 4"
 Date: 10-29-19

$$\frac{50.50}{\text{TD}} - \frac{35.05}{\text{DTW}} = \frac{15.45}{\text{Water Column}}$$

$$\frac{50.00}{\text{Bottom of Screen}} - \frac{20.00}{\text{Top of Screen}} = \frac{30.00}{\text{Screen Length}}$$

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{35.05}{\text{DTW}} + \frac{1}{2} \left(\frac{7.73}{\text{Water Column}} \right) = \frac{42.78}{\text{Pump Intake Depth}}$$

$$\frac{20.00}{\text{Top of Screen Depth}} + \frac{1}{2} \left(\frac{15.00}{\text{Screen Length}} \right) = \frac{35.00}{\text{Pump Intake Depth}}$$

Date Purged: 10-29-19 Start (24 Hour) 10³⁵ End (24 Hour) 11⁰⁵
 Date Sampled: 10-29-19 Start (24 Hour) 11⁰⁵ End (24 Hour)

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/°C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
10 ³⁸	.25	35.09	8.54	750	50.7	22.7	0.98	clear	16.49
10 ⁴⁴	.75	35.13	8.51	746	52.3	22.8	0.82	"	13.41
10 ⁵⁰	1.25	35.15	8.49	743	52.8	22.8	0.77	"	12.31
10 ⁵⁵	1.75	35.16	8.46	742	53.1	22.8	0.75	"	10.89
11 ⁰⁰	2.25	35.17	8.45	740	53.5	22.8	0.73	"	11.04
11 ⁰⁵	2.75	35.17	8.45	740	53.9	22.8	0.71	"	10.72
 									
 									
 									
 									
 									
 									
 									
 									
 									

PURGING EQUIPMENT				SAMPLING EQUIPMENT			
<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Vac Truck	<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Teflon Bailor
<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Pump	<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Bailor
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump			<input checked="" type="checkbox"/>	Other: Dedicated Tubing		

Remarks: _____

Completed By (Print Name): DAVID lobban

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: Gmw-45
 Well Diameter: 4"
 Date: 11-7-19

$$\frac{50.50}{TD} - \frac{34.08}{DTW} = \frac{16.42}{\text{Water Column}}$$

$$\frac{50.00}{\text{Bottom of Screen}} - \frac{20.00}{\text{Top of Screen}} = \frac{30.00}{\text{Screen Length}}$$

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{34.08}{DTW} + 1/2 \left(\frac{8.21}{\text{Water Column}} \right) = \frac{42.29}{\text{Pump Intake Depth}}$$

$$\frac{20.00}{\text{Top of Screen Depth}} + 1/2 \left(\frac{15.00}{\text{Screen Length}} \right) = \frac{35.00}{\text{Pump Intake Depth}}$$

Date Purged: 11-7-19 Start (24 Hour) 8⁰⁰ End (24 Hour) 8²⁵
 Date Sampled: 11-7-19 Start (24 Hour) 8²⁸ End (24 Hour) _____

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/°C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
8 ⁰³	0.25	34.02	8.03	668	-97.4	21.9	0.19	clear	131.62
8 ⁰⁸	0.75	34.16	8.03	668	-97.9	21.9	0.14	"	126.49
8 ¹³	1.25	34.18	8.02	667	-98.3	21.9	0.12	"	129.31
8 ¹⁸	1.75	34.20	8.02	667	-98.6	22.0	0.11	"	121.63
8 ²³	2.25	34.21	8.02	667	-98.8	22.0	0.11	"	119.84
8 ²⁸	2.75	34.22	8.01	669	-99.0	22.1	0.10	"	116.74
 									
 									
 									
 									
 									
 									
 									
 									
 									

PURGING EQUIPMENT				SAMPLING EQUIPMENT			
<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Vac Truck	<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Teflon Bailer
<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Pump	<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Bailer
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump			<input checked="" type="checkbox"/>	Other: Dedicated Tubing		

Remarks: _____

Completed By (Print Name): DAVID WBBAN

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: Gmw-47
 Well Diameter: 4"
 Date: 11-6-19

$$\frac{50.50}{TD} - \frac{34.84}{DTW} = \frac{15.66}{\text{Water Column}}$$

$$\frac{50.00}{\text{Bottom of Screen}} - \frac{20.00}{\text{Top of Screen}} = \frac{30.00}{\text{Screen Length}}$$

Pump Intake Depth, Screened Above Water Table:

$$\frac{34.84}{DTW} + \frac{1}{2} \left(\frac{7.83}{\text{Water Column}} \right) = \frac{42.67}{\text{Pump Intake Depth}}$$

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{20.00}{\text{Top of Screen Depth}} + \frac{1}{2} \left(\frac{15.00}{\text{Screen Length}} \right) = \frac{35.00}{\text{Pump Intake Depth}}$$

Date Purged: 11-6-19 Start (24 Hour) 10²⁰ End (24 Hour) 10⁵⁰
 Date Sampled: 11-6-19 Start (24 Hour) 10¹⁰ End (24 Hour)

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
10 ²³	.25	34.90	8.17	1137	1137 13.3	22.2	0.27	clear	5.59
10 ²⁹	.25	34.93	8.15	1136	12.7	22.2	0.19	"	5.41
10 ³⁵	1.25	34.95	8.13	1136	12.3	22.3	0.15	"	5.17
10 ⁴⁰	1.75	34.97	8.12	1135	11.9	22.3	0.13	"	5.22
10 ⁴⁵	2.25	34.97	8.11	1134	11.7	22.3	0.12	"	4.99
10 ⁵⁰	2.25	34.98	8.10	1132	11.5	22.3	0.11	"	5.05

PURGING EQUIPMENT			SAMPLING EQUIPMENT		
<input type="checkbox"/>	Centrifugal Pump	Vac Truck	<input type="checkbox"/>	Centrifugal Pump	Teflon Bailer
<input type="checkbox"/>	Submersible Pump	Disposable Pump	<input type="checkbox"/>	Submersible Pump	Disposable Bailer
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump		<input checked="" type="checkbox"/>	Other: Dedicated Tubing	

Remarks: DUP-6 obtained here.

Completed By (Print Name): DAVID Lobban

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: GMW-48
 Well Diameter: 4"
 Date: 10-30-19

$$\frac{50.50}{\text{TD}} - \frac{37.14}{\text{DTW}} = \frac{13.36}{\text{Water Column}}$$

$$\frac{50.00}{\text{Bottom of Screen}} - \frac{20.00}{\text{Top of Screen}} = \frac{30.00}{\text{Screen Length}}$$

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{37.14}{\text{DTW}} + 1/2 \left(\frac{6.68}{\text{Water Column}} \right) = \frac{43.82}{\text{Pump Intake Depth}}$$

$$\frac{20.00}{\text{Top of Screen Depth}} + 1/2 \left(\frac{15.00}{\text{Screen Length}} \right) = \frac{35.00}{\text{Pump Intake Depth}}$$

Date Purged: 10-30-19 Start (24 Hour) 12⁴⁰ End (24 Hour) 1¹⁰
 Date Sampled: 10-30-19 Start (24 Hour) 1¹⁰ End (24 Hour) —

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/C)	D.O. (mg/L)	COLOR (visual)	TURBITY (visual or NTU)
1244p	.25	37.19	8.63	1748	-137.3	23.8	0.71	clear	24.82
1249p	.75	37.21	8.63	1748	-138.4	23.8	0.35	"	21.01
125p	1.25	37.24	8.62	1745	-139.7	23.8	0.19	"	18.62
100p	1.75	37.27	8.62	1744	-140.5	23.9	0.15	"	14.13
105p	2.25	37.28	8.62	1742	-141.0	23.9	0.13	"	10.92
110p	2.75	37.28	8.62	1741	-141.3	23.9	0.12	"	10.71

PURGING EQUIPMENT			SAMPLING EQUIPMENT		
<input type="checkbox"/>	Centrifugal Pump	Vac Truck	<input type="checkbox"/>	Centrifugal Pump	Teflon Bailer
<input type="checkbox"/>	Submersible Pump	Disposable Pump	<input type="checkbox"/>	Submersible Pump	Disposable Bailer
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump		<input checked="" type="checkbox"/>	Other: Dedicated Tubing	

Remarks: _____

Completed By (Print Name): DAVID WBBAN

Signature: [Signature]

Reviewed By: IS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: GMW-56
 Well Diameter: 4"
 Date: 10-29-19

$$\frac{55.00}{\text{TD}} - \frac{34.09}{\text{DTW}} = \frac{20.91}{\text{Water Column}}$$

$$\frac{55.00}{\text{Bottom of Screen}} - \frac{20.00}{\text{Top of Screen}} = \frac{35.00}{\text{Screen Length}}$$

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{34.09}{\text{DTW}} + \frac{1}{2} \left(\frac{10.46}{\text{Water Column}} \right) = \frac{44.55}{\text{Pump Intake Depth}}$$

$$\frac{20.00}{\text{Top of Screen Depth}} + \frac{1}{2} \left(\frac{17.50}{\text{Screen Length}} \right) = \frac{37.50}{\text{Pump Intake Depth}}$$

Date Purged: 10-29-19 Start (24 Hour) 11⁵⁵ End (24 Hour) 12²⁵
 Date Sampled: 10-29-19 Start (24 Hour) 12²⁵ End (24 Hour)

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/°C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
11 ⁵⁸	.25	34.14	8.11	794	-80.8	22.9	0.18	clear	42.11
12 ⁰⁴	.25	34.18	8.09	794	-81.2	22.9	0.16	"	29.62
12 ⁰⁹	1.25	34.20	8.08	793	-81.7	22.9	0.15	"	18.19
12 ¹⁵	1.75	24.22	8.08	791	-82.1	22.9	0.15	"	20.43
12 ²⁰	2.25	22.24	8.07	791	-82.5	23.0	0.14	"	19.62
12 ²⁵	2.75	22.25	8.07	790	-82.7	23.0	0.13	"	18.89

PURGING EQUIPMENT				SAMPLING EQUIPMENT			
<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Vac Truck	<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Teflon Bailer
<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Pump	<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Bailer
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump			<input checked="" type="checkbox"/>	Other: Dedicated Tubing		

Remarks: DUP-2 obtained here.

Completed By (Print Name): DAVID Lubben

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: GMW-57
 Well Diameter: 4"
 Date: 10-30-19

$$\frac{55.00}{\text{TD}} - \frac{35.45}{\text{DTW}} = \frac{19.55}{\text{Water Column}}$$

$$\frac{54.00}{\text{Bottom of Screen}} - \frac{19.00}{\text{Top of Screen}} = \frac{35.00}{\text{Screen Length}}$$

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{35.45}{\text{DTW}} + \frac{1}{2} \left(\frac{9.78}{\text{Water Column}} \right) = \frac{45.23}{\text{Pump Intake Depth}}$$

$$\frac{19.00}{\text{Top of Screen Depth}} + \frac{1}{2} \left(\frac{17.50}{\text{Screen Length}} \right) = \frac{36.50}{\text{Pump Intake Depth}}$$

Date Purged: 10-30-19 Start (24 Hour) 10⁵⁰ End (24 Hour) 11²⁰
 Date Sampled: 10-30-19 Start (24 Hour) 11²⁰ End (24 Hour) —

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/°C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
10 ⁵³	.25	35.49	8.53	1388	-87.4	22.8	0.23	clear	0.69
10 ⁵⁹	.75	35.54	8.49	1381	-98.4	22.9	0.13	"	0.73
11 ⁰⁵	1.25	35.57	8.47	1379	-101.6	22.9	0.10	"	0.84
11 ¹⁰	1.75	35.60	8.45	1396	-102.7	23.0	0.08	"	0.95
11 ¹⁵	2.25	35.61	8.45	1375	-103.4	22.9	0.07	"	1.02
11 ²⁰	2.75	35.60	8.43	1374	-103.7	22.9	0.07	"	0.99

PURGING EQUIPMENT			SAMPLING EQUIPMENT		
<input type="checkbox"/>	Centrifugal Pump	Vac Truck	<input type="checkbox"/>	Centrifugal Pump	Teflon Bailor
<input type="checkbox"/>	Submersible Pump	Disposable Pump	<input type="checkbox"/>	Submersible Pump	Disposable Bailor
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump		<input checked="" type="checkbox"/>	Other: Dedicated Tubing	

Remarks: _____

Completed By (Print Name): DAVID Wobben

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: GMW-58
 Well Diameter: 4"
 Date: 11-7-19

$$\frac{55.00}{\text{TD}} - \frac{35.01}{\text{DTW}} = \frac{19.99}{\text{Water Column}}$$

$$\frac{55.00}{\text{Bottom of Screen}} - \frac{20.00}{\text{Top of Screen}} = \frac{\text{Screen Length}}{\text{Screen Length}}$$

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{35.01}{\text{DTW}} + \frac{1}{2} \left(\frac{10.00}{\text{Water Column}} \right) = \frac{45.01}{\text{Pump Intake Depth}}$$

$$\frac{\text{Top of Screen Depth}}{\text{Top of Screen Depth}} + \frac{1}{2} \left(\frac{\text{Screen Length}}{\text{Screen Length}} \right) = \frac{\text{Pump Intake Depth}}{\text{Pump Intake Depth}}$$

Date Purged: 11-7-19 Start (24 Hour) 11²⁰ End (24 Hour) 11¹⁰
 Date Sampled: 11-7-19 Start (24 Hour) 11¹⁰ End (24 Hour) —

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
1123	.25	35.04	8.31	1137	-66.4	26.7	0.47	clear	10.01
1128	.75	35.08	8.30	1137	-66.9	26.6	0.31	"	9.42
1134	1.25	35.12	8.30	1136	-67.3	26.6	0.21	"	9.06
1139	1.75	35.13	8.28	1136	-67.8	26.6	0.15	"	8.81
1144	2.25	35.15	8.28	1134	-68.1	26.6	0.13	"	8.76
1150	2.75	35.15	8.27	1133	-68.6	26.6	0.12	"	8.51
 									
 									
 									
 									
 									
 									
 									
 									
 									

PURGING EQUIPMENT			SAMPLING EQUIPMENT		
<input type="checkbox"/>	Centrifugal Pump		<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>
<input type="checkbox"/>	Submersible Pump		<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>
<input type="checkbox"/>	Other: Low Flow Submersible Pump		<input type="checkbox"/>	Other: Dedicated Tubing	

Remarks: _____

Completed By (Print Name): DAVID lobben

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: Gmw-59
 Well Diameter: 4"
 Date: 10-30-19

$$\frac{55.00}{\text{TD}} - \frac{32.61}{\text{DTW}} = \frac{22.39}{\text{Water Column}}$$

$$\frac{55.00}{\text{Bottom of Screen}} - \frac{20.00}{\text{Top of Screen}} = \frac{35.00}{\text{Screen Length}}$$

Pump Intake Depth, Screened Above Water Table:

$$\frac{32.61}{\text{DTW}} + \frac{1}{2} \left(\frac{11.20}{\text{Water Column}} \right) = \frac{43.81}{\text{Pump Intake Depth}}$$

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{20.00}{\text{Top of Screen Depth}} + \frac{1}{2} \left(\frac{17.50}{\text{Screen Length}} \right) = \frac{37.50}{\text{Pump Intake Depth}}$$

Date Purged: 10-30-19 Start (24 Hour) 120 End (24 Hour) 150
 Date Sampled: 10-30-19 Start (24 Hour) 150 End (24 Hour)

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
123	0.25	32.66	8.73	1688	-29.3	24.6	0.14	clear	22.16
126	0.25	32.70	8.70	1688	-29.7	24.6	0.14	"	21.03
135	1.15	32.72	8.68	1687	-30.0	24.7	0.13	"	16.42
140	1.25	32.74	8.67	1685	-30.3	24.7	0.13	"	15.13
145	2.25	32.75	8.65	1684	-30.5	24.7	0.12	"	14.21
150	2.75	32.75	8.64	1683	-30.7	24.7	0.11	"	14.17
 									
 									
 									
 									
 									
 									
 									
 									

PURGING EQUIPMENT				SAMPLING EQUIPMENT			
<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Vac Truck	<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Teflon Bailer
<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Pump	<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Bailer
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump			<input checked="" type="checkbox"/>	Other: Dedicated Tubing		

Remarks: _____

Completed By (Print Name): DAVID WBB

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: GMW-60
 Well Diameter: 4"
 Date: 10-30-19

$$\frac{45.00}{TD} - \frac{34.85}{DTW} = \frac{10.15}{\text{Water Column}}$$

$$\frac{40.00}{\text{Bottom of Screen}} - \frac{25.00}{\text{Top of Screen}} = \frac{15.00}{\text{Screen Length}}$$

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{34.85}{DTW} + 1/2 \left(\frac{5.08}{\text{Water Column}} \right) = \frac{39.93}{\text{Pump Intake Depth}}$$

$$\frac{25.00}{\text{Top of Screen Depth}} + 1/2 \left(\frac{7.50}{\text{Screen Length}} \right) = \frac{32.50}{\text{Pump Intake Depth}}$$

Date Purged: 10-30-19 Start (24 Hour) 8²⁵ End (24 Hour) _____
 Date Sampled: 10-30-19 Start (24 Hour) 8⁵⁵ End (24 Hour) _____

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV) <u>62.2</u>	TEMPERATURE (°F/C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
8 ²⁹	.25	NT	8.09	2081	2081	22.3	0.63	clear	0.52
8 ³⁴	.25	34.93	8.09	2113	62.7	22.4	0.44	"	0.64
8 ⁴⁰	1.25	34.96	8.08	2121	63.1	22.4	0.33	"	0.73
8 ⁴⁵	1.75	34.98	8.07	2126	63.3	22.4	0.29	"	1.01
8 ⁵⁰	2.25	35.00	8.07	2130	63.5	22.4	0.25	"	0.81
8 ⁵⁵	2.75	35.00	8.06	2132	63.6	22.5	0.23	"	0.80

PURGING EQUIPMENT			SAMPLING EQUIPMENT		
<input type="checkbox"/>	Centrifugal Pump	Vac Truck	<input type="checkbox"/>	Centrifugal Pump	Teflon Bailor
<input type="checkbox"/>	Submersible Pump	Disposable Pump	<input type="checkbox"/>	Submersible Pump	Disposable Bailor
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump		<input checked="" type="checkbox"/>	Other: Dedicated Tubing	

Remarks: _____

Completed By (Print Name): DAVID Wobson

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: GMW-61
 Well Diameter: 4"
 Date: 11-6-19

$$\frac{50.00}{TD} - \frac{34.54}{DTW} = \frac{15.46}{\text{Water Column}}$$

$$\frac{40.00}{\text{Bottom of Screen}} - \frac{30.00}{\text{Top of Screen}} = \frac{10.00}{\text{Screen Length}}$$

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{34.54}{DTW} + 1/2 \left(\frac{7.73}{\text{Water Column}} \right) = \frac{42.27}{\text{Pump Intake Depth}}$$

$$\frac{30.00}{\text{Top of Screen Depth}} + 1/2 \left(\frac{5.00}{\text{Screen Length}} \right) = \frac{35.00}{\text{Pump Intake Depth}}$$

Date Purged: 11-6-19 Start (24 Hour) 8:15 End (24 Hour) 8:45
 Date Sampled: 11-6-19 Start (24 Hour) 8:45 End (24 Hour) _____

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/°C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
8:18	.25	34.59	8.15	1998	80.2	22.9	1.29	clear	1.00
8:24	.75	34.63	8.15	1998	80.8	22.9	0.39	"	0.91
8:29	1.25	34.66	8.14	1997	81.5	22.8	0.24	"	0.79
8:34	1.75	34.68	8.13	1995	81.9	22.8	0.22	"	0.93
8:40	2.25	34.70	8.13	1995	82.4	22.8	0.21	"	1.01
8:45	2.75	34.70	8.12	1993	82.7	22.8	0.20	"	1.07
 									
 									
 									
 									
 									
 									
 									
 									

PURGING EQUIPMENT			SAMPLING EQUIPMENT		
<input type="checkbox"/>	Centrifugal Pump	Vac Truck	<input type="checkbox"/>	Centrifugal Pump	Teflon Bailor
<input type="checkbox"/>	Submersible Pump	Disposable Pump	<input type="checkbox"/>	Submersible Pump	Disposable Bailor
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump		<input checked="" type="checkbox"/>	Other: Dedicated Tubing	

Remarks: _____

Completed By (Print Name): DAVID lobben

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: GMW-62
 Well Diameter: 4"
 Date: 10-28-19

$$\frac{40.50}{TD} - \frac{35.05}{DTW} = \frac{5.45}{Water\ Column}$$

$$\frac{40.00}{Bottom\ of\ Screen} - \frac{20.00}{Top\ of\ Screen} = \frac{20.00}{Screen\ Length}$$

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{35.05}{DTW} + 1/2 \left(\frac{2.73}{Water\ Column} \right) = \frac{37.78}{Pump\ Intake\ Depth}$$

$$\frac{20.00}{Top\ of\ Screen\ Depth} + 1/2 \left(\frac{10.00}{Screen\ Length} \right) = \frac{30.00}{Pump\ Intake\ Depth}$$

Date Purged: 10-28-19 Start (24 Hour) 11⁰⁰ End (24 Hour) 12²⁰
 Date Sampled: 10-28-19 Start (24 Hour) 12²⁰ End (24 Hour)

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/°C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
11 ⁵⁴	1.25	35.11	8.44	2548	-131.2	20.7	0.12	clear	6.69
11 ⁵⁹	0.75	35.13	8.42	2544	-133.2	20.7	0.11	"	6.93
12 ⁰⁵	1.25	35.15	8.41	2542	-134.3	20.8	0.11	"	6.61
12 ¹⁰	1.75	NT	8.39	2539	-134.8	20.8	0.10	"	6.55
12 ¹⁵	2.25	35.12	8.39	2538	-134.9	20.8	0.10	"	6.52
12 ²⁰	2.75	35.12	8.38	2536	-135.2	20.8	0.09	"	6.13
 									
 									
 									
 									
 									
 									
 									
 									
 									

PURGING EQUIPMENT				SAMPLING EQUIPMENT			
<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Vac Truck	<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Teflon Bailor
<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Pump	<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Bailor
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump			<input checked="" type="checkbox"/>	Other: Dedicated Tubing		

Remarks: Remove Sock
DUP-1 obtained here.

Completed By (Print Name): DAVID Wobben

Signature: [Signature]

Reviewed By: DJF

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: GMW-63
 Well Diameter: 4"
 Date: 10-28-19

$$\frac{41.00}{\text{TD}} - \frac{35.65}{\text{DTW}} = \frac{5.35}{\text{Water Column}}$$

$$\frac{40.00}{\text{Bottom of Screen}} - \frac{20.00}{\text{Top of Screen}} = \frac{20.00}{\text{Screen Length}}$$

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{35.65}{\text{DTW}} + 1/2 \left(\frac{2.68}{\text{Water Column}} \right) = \frac{38.33}{\text{Pump Intake Depth}}$$

$$\frac{20.00}{\text{Top of Screen Depth}} + 1/2 \left(\frac{10.00}{\text{Screen Length}} \right) = \frac{30.00}{\text{Pump Intake Depth}}$$

Date Purged: 10-28-19 Start (24 Hour) 8²⁰ End (24 Hour) 8¹⁰
 Date Sampled: 10-28-19 Start (24 Hour) 8¹⁰ End (24 Hour) —

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/°C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
8 ²⁴	.25	35.69	8.80	1443	116.8	19.6	1.01	clear	10.82
8 ³⁰	.75	35.72	8.76	1452	113.1	19.5	0.36	"	9.67
8 ³⁵	1.25	35.74	8.73	1450	111.9	19.9	0.33	"	9.79
8 ⁴⁰	1.75	35.75	8.72	1442	109.5	20.0	0.29	"	8.56
8 ⁴⁵	2.25	35.76	8.72	1440	108.6	20.0	0.27	"	8.17
8 ¹⁰	2.75	35.77	8.71	1438	108.2	20.0	0.26	"	8.02
 									

PURGING EQUIPMENT				SAMPLING EQUIPMENT			
<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Vac Truck	<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Teflon Bailor
<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Pump	<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Bailor
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump			<input checked="" type="checkbox"/>	Other: Dedicated Tubing		

Remarks:

Completed By (Print Name): DAVID WILSON

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: GMW-64
 Well Diameter: 4"
 Date: 10-28-19

$$\frac{41.00}{TD} - \frac{33.82}{DTW} = \frac{7.18}{Water\ Column}$$

$$\frac{39.50}{Bottom\ of\ Screen} - \frac{19.50}{Top\ of\ Screen} = \frac{20.00}{Screen\ Length}$$

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{33.82}{DTW} + 1/2 \left(\frac{3.59}{Water\ Column} \right) = \frac{37.41}{Pump\ Intake\ Depth}$$

$$\frac{19.50}{Top\ of\ Screen\ Depth} + 1/2 \left(\frac{10.00}{Screen\ Length} \right) = \frac{29.50}{Pump\ Intake\ Depth}$$

Date Purged: 10-28-19 Start (24 Hour) 9:05 End (24 Hour) _____
 Date Sampled: 10-28-19 Start (24 Hour) 9:28^{DL} 35 AM End (24 Hour) _____

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
9:07	0.25	33.85	8.76	1416	117.8	19.3	0.30	clear	24.17
9:02	0.75	33.87	8.76	1423	118.1	19.4	0.24	"	20.04
9:18	1.25	33.87	8.75	1425	117.7	19.5	0.18	"	16.01
9:24	1.75	33.88	8.74	1417	117.3	19.6	0.15	"	11.72
9:30	2.25	33.88	8.74	1416	117.1	19.6	0.14	"	10.61
9:35	2.75	33.90	8.73	1415	117.0	19.7	0.13	"	9.97

PURGING EQUIPMENT			SAMPLING EQUIPMENT		
<input type="checkbox"/>	Centrifugal Pump	Vac Truck	<input type="checkbox"/>	Centrifugal Pump	Teflon Bailer
<input type="checkbox"/>	Submersible Pump	Disposable Pump	<input type="checkbox"/>	Submersible Pump	Disposable Bailer
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump		<input checked="" type="checkbox"/>	Other: Dedicated Tubing	

Remarks: _____

Completed By (Print Name): DAVID Lobben

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5

Client/Site: DLA/DFSP Norwalk

Address: 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: Gmw-65

Well Diameter: 4"

Date: 10-28-19

$$\frac{41.50}{\text{TD}} - \frac{35.32}{\text{DTW}} = \frac{6.18}{\text{Water Column}}$$

$$\frac{41.00}{\text{Bottom of Screen}} - \frac{21.00}{\text{Top of Screen}} = \frac{20.00}{\text{Screen Length}}$$

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{35.32}{\text{DTW}} + \frac{1}{2} \left(\frac{3.09}{\text{Water Column}} \right) = \frac{38.41}{\text{Pump Intake Depth}}$$

$$\frac{21.00}{\text{Top of Screen Depth}} + \frac{1}{2} \left(\frac{10.00}{\text{Screen Length}} \right) = \frac{31.00}{\text{Pump Intake Depth}}$$

Date Purged: 10-28-19 Start (24 Hour) 9⁵⁰ End (24 Hour) 10²⁰

Date Sampled: 10-28-19 Start (24 Hour) 10²⁰ End (24 Hour) —

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
9 ⁵⁴	.25	35.36	8.33	1721	-42.5	20.6	0.28	clear	24.21
9 ⁵⁹	.75	35.38	8.33	1722	-48.9	20.6	0.17	"	17.76
10 ⁰⁵	1.25	35.40	8.34	1724	-51.1	20.6	0.16	"	18.01
10 ¹⁰	1.75	35.41	8.35	1727	-53.8	20.6	0.15	"	13.03
10 ¹⁵	2.25	35.41	8.35	1729	-54.2	20.7	0.15	"	11.21
10 ²⁰	2.75	35.42	8.36	1731	-54.7	20.7	0.14	"	10.56
 									
 									
 									
 									
 									
 									
 									
 									

PURGING EQUIPMENT			SAMPLING EQUIPMENT		
<input type="checkbox"/>	Centrifugal Pump		<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>
<input type="checkbox"/>	Submersible Pump	Vac Truck	<input type="checkbox"/>	Submersible Pump	Teflon Bailer
<input type="checkbox"/>		Disposable Pump	<input type="checkbox"/>		Disposable Bailer
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump		<input checked="" type="checkbox"/>	Other: Dedicated Tubing	

Remarks:

Completed By (Print Name): DAVID Lobben

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: GMW-66R
 Well Diameter: 4"
 Date: 10-29-19

$$\frac{46.50}{TD} - \frac{38.05}{DTW} = \frac{8.45}{Water\ Column}$$

$$\frac{45.00}{Bottom\ of\ Screen} - \frac{20.00}{Top\ of\ Screen} = \frac{25.00}{Screen\ Length}$$

Pump Intake Depth, Screened Above Water Table:

$$\frac{38.05}{DTW} + \frac{1}{2} \left(\frac{4.23}{Water\ Column} \right) = \frac{42.28}{Pump\ Intake\ Depth}$$

< OR > Pump Intake Depth, Submerged Screen:

$$\frac{20.00}{Top\ of\ Screen\ Depth} + \frac{1}{2} \left(\frac{12.50}{Screen\ Length} \right) = \frac{32.50}{Pump\ Intake\ Depth}$$

Date Purged: 10-29-19 Start (24 Hour) 1:50 End (24 Hour) 2:20
 Date Sampled: 10-29-19 Start (24 Hour) 2:20 End (24 Hour) _____

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
1:53	0.25	38.06	8.52	1816	-89.7	23.3	0.41	clear	1.13
1:59	0.75	38.09	8.48	1832	-94.3	23.2	0.23	"	1.62
2:05	1.25	38.13	8.45	1845	-95.8	23.2	0.20	"	1.42
2:10	1.75	38.15	8.43	1852	-97.2	23.2	0.18	"	1.30
2:15	2.25	38.17	8.42	1856	-97.6	23.2	0.17	"	1.22
2:20	2.75	38.18	8.41	1861	-98.1	23.2	0.17	"	1.19
(Remaining rows are crossed out with a large blue X)									

PURGING EQUIPMENT				SAMPLING EQUIPMENT			
<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Vac Truck	<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Teflon Bailer
<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Pump	<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Bailer
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump			<input checked="" type="checkbox"/>	Other: Dedicated Tubing		

Remarks: _____

Completed By (Print Name): DAVID Lobb

Signature: [Signature]

Reviewed By: [Signature]

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5

Well ID: GMW-67

Client/Site: DLA/DFSP Norwalk

Well Diameter: 4"

Address: 15306 Norwalk Boulevard
Norwalk, California 90650

Date: 10-28-19

$$\frac{47.00}{TD} - \frac{34.57}{DTW} = \frac{12.43}{Water\ Column}$$

$$\frac{45.00}{Bottom\ of\ Screen} - \frac{25.00}{Top\ of\ Screen} = \frac{20.00}{Screen\ Length}$$

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{34.57}{DTW} + 1/2 \left(\frac{6.22}{Water\ Column} \right) = \frac{40.79}{Pump\ Intake\ Depth}$$

$$\frac{25.00}{Top\ of\ Screen\ Depth} + 1/2 \left(\frac{10.00}{Screen\ Length} \right) = \frac{35.00}{Pump\ Intake\ Depth}$$

Date Purged: 10-28-19 Start (24 Hour) 10³⁰_{AM} End (24 Hour) 11⁰⁰_{AM}

Date Sampled: 10-28-19 Start (24 Hour) 11⁰⁰ End (24 Hour) —

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
10 ³³	.25	34.63	8.41	1634	-99.4	20.0	0.82	clear	6.18
10 ³⁸	.75	34.66	8.40	1640	-127.6	20.0	0.22	"	6.02
10 ⁴⁴	1.25	34.68	8.40	1645	-133.7	20.2	0.14	"	5.82
10 ⁵⁰	1.75	34.69	8.39	1648	-135.4	20.3	0.12	"	5.41
10 ⁵⁵	2.25	34.70	8.39	1651	-135.9	20.4	0.10	"	5.01
11 ⁰⁰	2.75	34.70	8.38	1653	-136.3	20.4	0.09	"	4.21

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Vac Truck
<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Pump
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump	<input checked="" type="checkbox"/>	Other: Dedicated Tubing

Remarks: _____

Completed By (Print Name): DAVID LUBBAN

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: GMW-69
 Well Diameter: 4"
 Date: 10-28-19

$$\frac{48.00}{\text{TD}} - \frac{33.79}{\text{DTW}} = \frac{11.21}{\text{Water Column}}$$

$$\frac{45.00}{\text{Bottom of Screen}} - \frac{25.00}{\text{Top of Screen}} = \frac{20.00}{\text{Screen Length}}$$

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{33.79}{\text{DTW}} + \frac{1}{2} \left(\frac{5.61}{\text{Water Column}} \right) = \frac{39.40}{\text{Pump Intake Depth}}$$

$$\frac{25.00}{\text{Top of Screen Depth}} + \frac{1}{2} \left(\frac{10.00}{\text{Screen Length}} \right) = \frac{35.00}{\text{Pump Intake Depth}}$$

Date Purged: 10-28-19 Start (24 Hour) 11¹⁰ End (24 Hour) 11⁴⁰
 Date Sampled: 10-28-19 Start (24 Hour) 11⁴⁰ End (24 Hour) —

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
11 ¹⁴	0.25	33.83	8.31	1660	-156.1	20.6	0.10	clear	3.94
11 ²⁰	0.75 0.75	33.86	8.33	1660	-159.2	20.6	0.10	"	4.24
11 ²⁵	1.25	33.88	8.33	1659	-161.9	20.6	0.09	"	4.08
11 ³⁰	1.75	33.89	8.34	1658	-162.9	20.6	0.09	"	4.27
11 ³⁵	2.25	33.90	8.34	1657	-163.5	20.6	0.08	"	4.21
11 ⁴⁰	2.75	33.90	8.35	1655	-163.9	20.6	0.07	"	4.04

PURGING EQUIPMENT			SAMPLING EQUIPMENT		
<input type="checkbox"/>	Centrifugal Pump	Vac Truck	<input type="checkbox"/>	Centrifugal Pump	Teflon Bailer
<input type="checkbox"/>	Submersible Pump	Disposable Pump	<input type="checkbox"/>	Submersible Pump	Disposable Bailer
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump		<input checked="" type="checkbox"/>	Other: Dedicated Tubing	

Remarks: _____

Completed By (Print Name): DAVID Wobben

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: GW-2
 Well Diameter: 4"
 Date: 11-5-19

$$\frac{63.00}{\text{TD}} - \frac{35.33}{\text{DTW}} = \frac{29.67}{\text{Water Column}}$$

$$\frac{60.00}{\text{Bottom of Screen}} - \frac{25.00}{\text{Top of Screen}} = \frac{35.00}{\text{Screen Length}}$$

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{35.33}{\text{DTW}} + \frac{1}{2} \left(\frac{14.84}{\text{Water Column}} \right) = \frac{50.17}{\text{Pump Intake Depth}}$$

$$\frac{25.00}{\text{Top of Screen Depth}} + \frac{1}{2} \left(\frac{17.50}{\text{Screen Length}} \right) = \frac{42.50}{\text{Pump Intake Depth}}$$

Date Purged: 11-5-19 Start (24 Hour) 12¹⁰ End (24 Hour) 12⁴⁰
 Date Sampled: 11-5-19 Start (24 Hour) 12⁴⁰ End (24 Hour) —

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/°C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
12 ¹³	0.25	35.37	8.36	1129	-53.6	23.1	0.81	clear	32.16
12 ¹⁸	0.75	35.41	8.31	1132	-16.3	23.1	0.21	"	30.41
12 ²⁴	1.25	35.42	8.29	1133	+8.7	23.2	0.16	"	29.16
12 ³⁰	1.75	35.44	8.28	1134	+13.6	23.2	0.14	"	30.40
12 ³⁵	2.25	35.45	8.26	1136	+13.9	23.2	0.13	"	29.89
12 ⁴⁰	2.25	35.46	8.26	1138	+14.4	23.2	0.12	"	30.14

PURGING EQUIPMENT			SAMPLING EQUIPMENT				
<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Vac Truck	<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Teflon Bailer
<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Pump	<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Bailer
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump		<input type="checkbox"/>	Other: Dedicated Tubing			

Remarks:

Completed By (Print Name): DAVID Lubben

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: GW-3
 Well Diameter: 4"
 Date: 10-29-19

$$\frac{63.00}{\text{TD}} - \frac{35.66}{\text{DTW}} = \frac{28.34}{\text{Water Column}}$$

$$\frac{60.00}{\text{Bottom of Screen}} - \frac{25.00}{\text{Top of Screen}} = \frac{35.00}{\text{Screen Length}}$$

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{35.66}{\text{DTW}} + \frac{1}{2} \left(\frac{14.17}{\text{Water Column}} \right) = \frac{49.83}{\text{Pump Intake Depth}}$$

$$\frac{25.00}{\text{Top of Screen Depth}} + \frac{1}{2} \left(\frac{17.50}{\text{Screen Length}} \right) = \frac{42.50}{\text{Pump Intake Depth}}$$

Date Purged: 10-29-19 Start (24 Hour) 8³⁰ End (24 Hour) 9:00
 Date Sampled: 10-29-19 Start (24 Hour) 9⁰⁰A End (24 Hour) _____

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/°C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
8:33	.75	35.71	8.24	1712	-81.0	21.2	0.27	clear	160.23
8:38	.75	35.75	8.28	1707	-85.0	20.9	0.23	"	180.72
8:44	1.25	35.77	8.30	1703	-86.5	20.5	0.23	"	132.14
8:50	1.75	35.79	8.32	1698	-87.3	20.3	0.23	"	124.14
8:55	2.25	35.80	8.32	1695	-88.0	20.2	0.22	"	84.70
9:00	2.75	35.80	8.32	1694	-88.3	20.2	0.22	"	79.16

PURGING EQUIPMENT				SAMPLING EQUIPMENT			
<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Vac Truck	<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Teflon Bailer
<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Pump	<input checked="" type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Bailer
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump			<input checked="" type="checkbox"/>	Other: Dedicated Tubing		

Remarks: _____

Completed By (Print Name): DAVID Wobben

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: GW-6
 Well Diameter: 4"
 Date: 11-5-19

$$\frac{63.00}{TD} - \frac{36.29}{DTW} = \frac{26.71}{\text{Water Column}}$$

$$\frac{60.00}{\text{Bottom of Screen}} - \frac{25.00}{\text{Top of Screen}} = \frac{35.00}{\text{Screen Length}}$$

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{36.29}{DTW} + \frac{1}{2} \left(\frac{13.36}{\text{Water Column}} \right) = \frac{49.65}{\text{Pump Intake Depth}}$$

$$\frac{25.00}{\text{Top of Screen Depth}} + \frac{1}{2} \left(\frac{17.50}{\text{Screen Length}} \right) = \frac{42.50}{\text{Pump Intake Depth}}$$

Date Purged: 11-5-19 Start (24 Hour) 9⁰⁰ 30 End (24 Hour) 10⁰⁰ AM
 Date Sampled: 11-5-19 Start (24 Hour) 10⁰⁰ End (24 Hour) _____

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/°C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
933	0.75	36.34	7.94	703	97.2	22.0	0.33	no pipe at elbow	11.49
939	1.75	36.38	7.90	703	97.1	22.0	0.17	"	10.89
945	1.25	36.40	7.88	702	96.8	22.1	0.13	"	10.13
950	1.25	36.42	7.87	701	97.0	22.1	0.12	"	10.04
955	2.25	36.42	7.87	701	96.5	22.1	0.12	"	10.10
1000	2.75	36.43	7.86	700	96.2	22.1	0.10	"	9.79

PURGING EQUIPMENT			SAMPLING EQUIPMENT				
<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Vac Truck	<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Teflon Bailor
<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Pump	<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Bailor
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump		<input type="checkbox"/>	Other: Dedicated Tubing			

Remarks: _____

Completed By (Print Name): DAVID Wobbar

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: GW-8
 Well Diameter: 4"
 Date: 11-5-19

$$\frac{63.00}{\text{TD}} - \frac{35.70}{\text{DTW}} = \frac{22.30}{\text{Water Column}}$$

$$\frac{59.00}{\text{Bottom of Screen}} - \frac{24.00}{\text{Top of Screen}} = \frac{35.00}{\text{Screen Length}}$$

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{35.70}{\text{DTW}} + \frac{1}{2} \left(\frac{11.15}{\text{Water Column}} \right) = \frac{46.85}{\text{Pump Intake Depth}}$$

$$\frac{24.00}{\text{Top of Screen Depth}} + \frac{1}{2} \left(\frac{17.50}{\text{Screen Length}} \right) = \frac{41.50}{\text{Pump Intake Depth}}$$

Date Purged: 11-5-19 Start (24 Hour) 10⁵⁰ End (24 Hour) 11²⁰
 Date Sampled: 11-5-19 Start (24 Hour) 11²⁰ End (24 Hour) —

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/°C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
10 ⁵⁴	.25	35.76	8.17	829	91.2	22.0	0.87	clear	6.05
10 ⁵⁹	.25	35.79	8.15	829	91.5	22.0	0.33	"	6.19
11 ⁰⁴	1.25	35.81	8.12	830	91.7	22.1	0.19	"	6.24
11 ¹⁰	1.25	35.82	8.11	831	92.0	22.1	0.16	"	6.61
11 ¹⁵	2.25	35.82	8.11	831	92.4	22.1	0.15	"	6.33
11 ²⁰	2.75	35.82	8.10	832	92.6	22.1	0.14	"	6.70
<div style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); opacity: 0.5; font-size: 4em;">X</div>									

PURGING EQUIPMENT			SAMPLING EQUIPMENT		
<input type="checkbox"/>	Centrifugal Pump		<input type="checkbox"/>	Centrifugal Pump	
<input type="checkbox"/>	Submersible Pump		<input type="checkbox"/>	Submersible Pump	
<input type="checkbox"/>	Other: Low Flow Submersible Pump		<input type="checkbox"/>	Other: Dedicated Tubing	
<input type="checkbox"/>		Vac Truck	<input type="checkbox"/>		Teflon Bailer
<input type="checkbox"/>		Disposable Pump	<input type="checkbox"/>		Disposable Bailer

Remarks: _____

Completed By (Print Name): DAVID Wobben

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: GW13
 Well Diameter: 4"
 Date: 11-5-19

$$\frac{63.00}{TD} - \frac{36.61}{DTW} = \frac{26.39}{\text{Water Column}}$$

$$\frac{60.00}{\text{Bottom of Screen}} - \frac{25.00}{\text{Top of Screen}} = \frac{35.00}{\text{Screen Length}}$$

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{36.61}{DTW} + \frac{1}{2} \left(\frac{13.20}{\text{Water Column}} \right) = \frac{49.81}{\text{Pump Intake Depth}}$$

$$\frac{25.00}{\text{Top of Screen Depth}} + \frac{1}{2} \left(\frac{17.50}{\text{Screen Length}} \right) = \frac{42.50}{\text{Pump Intake Depth}}$$

Date Purged: 11-5-19 Start (24 Hour) 12⁵⁵ End (24 Hour) 1²⁵
 Date Sampled: 11-5-19 Start (24 Hour) 1²⁵ End (24 Hour) —

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
12 ⁵⁸	0.25	36.64	8.49	816	-39.2	23.2	0.42	clear	96.41
1 ⁰⁴	0.75	36.68	8.41	516	-40.3	23.2	0.24	"	91.62
1 ⁰⁹	1.25	36.71	8.38	814	-41.0	23.3	0.18	"	92.41
1 ¹⁵	1.25	36.72	8.37	813	-41.8	23.3	0.14	"	89.73
1 ²⁰	2.25	36.72	8.35	813	-42.2	23.3	0.12	"	90.04
1 ²⁵	2.75	36.73	8.32	812	-42.5	23.3	0.11	"	89.91

PURGING EQUIPMENT			SAMPLING EQUIPMENT		
<input type="checkbox"/>	Centrifugal Pump	Vac Truck	<input type="checkbox"/>	Centrifugal Pump	Teflon Bailer
<input type="checkbox"/>	Submersible Pump	Disposable Pump	<input type="checkbox"/>	Submersible Pump	Disposable Bailer
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump		<input checked="" type="checkbox"/>	Other: Dedicated Tubing	

Remarks: _____

Completed By (Print Name): DAVID WEBBAN

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: GW-15
 Well Diameter: 4"
 Date: 11-6-19

$$\frac{67.00}{\text{TD}} - \frac{36.61}{\text{DTW}} = \frac{30.39}{\text{Water Column}}$$

$$\frac{65.00}{\text{Bottom of Screen}} - \frac{25.00}{\text{Top of Screen}} = \frac{40.00}{\text{Screen Length}}$$

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{36.61}{\text{DTW}} + \frac{1}{2} \left(\frac{15.20}{\text{Water Column}} \right) = \frac{51.81}{\text{Pump Intake Depth}}$$

$$\frac{25.00}{\text{Top of Screen Depth}} + \frac{1}{2} \left(\frac{20.00}{\text{Screen Length}} \right) = \frac{45.00}{\text{Pump Intake Depth}}$$

Date Purged: 11-6-19 Start (24 Hour) 9³⁵ End (24 Hour) 10⁰⁵
 Date Sampled: 11-6-19 Start (24 Hour) 10⁰⁵ End (24 Hour) —

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/°C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
9:38	1.25	36.65	8.43	1068	37.1	23.2	0.89	clear	36.14
9:43	1.25	36.70	8.37	1068	37.4	23.2	0.44	"	28.21
9:49	1.25	36.73	8.35	1069	37.2	23.2	0.28	"	24.16
9:55	1.75	36.76	8.33	1070	36.9	23.2	0.24	"	22.39
10:00	2.25	36.78	8.31	1070	36.7	23.3	0.22	"	21.13
10:05	2.75	36.78	8.32	1071	36.6	23.3	0.21	"	20.98
 									
 									
 									
 									
 									
 									
 									
 									
 									

PURGING EQUIPMENT				SAMPLING EQUIPMENT			
<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Vac Truck	<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Teflon Bailor
<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Pump	<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Bailor
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump			<input checked="" type="checkbox"/>	Other: Dedicated Tubing		

Remarks: _____

Completed By (Print Name): DAVID LUBBAN

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: GW-16
 Well Diameter: 4"
 Date: 10-30-19

$$\frac{63.00}{\text{TD}} - \frac{35.26}{\text{DTW}} = \frac{27.74}{\text{Water Column}}$$

$$\frac{60.50}{\text{Bottom of Screen}} - \frac{20.50}{\text{Top of Screen}} = \frac{40.00}{\text{Screen Length}}$$

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{35.26}{\text{DTW}} + \frac{1}{2} \left(\frac{13.87}{\text{Water Column}} \right) = \frac{49.13}{\text{Pump Intake Depth}}$$

$$\frac{20.50}{\text{Top of Screen Depth}} + \frac{1}{2} \left(\frac{20.00}{\text{Screen Length}} \right) = \frac{40.50}{\text{Pump Intake Depth}}$$

Date Purged: 10-30-19 Start (24 Hour) 740 End (24 Hour) 8¹⁰
 Date Sampled: 10-30-19 Start (24 Hour) 8¹⁰ End (24 Hour) _____

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
744	1.25	NT	8.10	1336	-32.8	20.5	0.43	clear	2.17
750	1.25	"	8.08	1335	-33.5	20.5	0.30	"	2.33
755	1.25	"	8.07	1333	-34.1	20.5	0.23	"	2.51
800	1.25	"	8.05	1330	-34.5	20.5	0.17	"	2.39
805	2.25	"	8.05	1329	-34.9	20.6	0.15	"	2.35
810	2.25	"	8.05	1327	-35.3	20.6	0.13	"	2.31
 									
 									
 									
 									
 									
 									
 									
 									

PURGING EQUIPMENT			SAMPLING EQUIPMENT		
<input type="checkbox"/>	Centrifugal Pump	Vac Truck	<input type="checkbox"/>	Centrifugal Pump	Teflon Bailer
<input type="checkbox"/>	Submersible Pump	Disposable Pump	<input type="checkbox"/>	Submersible Pump	Disposable Bailer
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump		<input checked="" type="checkbox"/>	Other: Dedicated Tubing	

Remarks: Could not get cone of depression needs (DTW) - pump in well.

Completed By (Print Name): DAVID Lubban

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: mw-13
 Well Diameter: 4"
 Date: 10-29-19

$$\frac{50.00}{\text{TD}} - \frac{35.16}{\text{DTW}} = \frac{14.84}{\text{Water Column}}$$

$$\frac{48.00}{\text{Bottom of Screen}} - \frac{18.00}{\text{Top of Screen}} = \frac{30.00}{\text{Screen Length}}$$

Pump Intake Depth, Screened Above Water-Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{35.16}{\text{DTW}} + \frac{1}{2} \left(\frac{7.42}{\text{Water Column}} \right) = \frac{42.58}{\text{Pump Intake Depth}}$$

$$\frac{18.00}{\text{Top of Screen Depth}} + \frac{1}{2} \left(\frac{15.00}{\text{Screen Length}} \right) = \frac{33.00}{\text{Pump Intake Depth}}$$

Date Purged: 10-29-19 Start (24 Hour) 12:40 End (24 Hour) 1:10
 Date Sampled: 10-29-19 Start (24 Hour) 1:10 End (24 Hour) —

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
12:43	0.25	35.21	8.40	1159	15.5	22.7	0.29	clear	0.56
12:48	0.25	35.25	8.38	1165	15.5	22.8	0.21	"	1.01
12:54	1.25	35.28	8.35	1169	15.2	22.8	0.19	"	0.52
1:00	1.75	35.30 35.30	8.34	1172	15.0	22.8	0.18	"	0.42
1:05	2.25	35.31	8.32	1173	14.8	22.8	0.18	"	0.40
1:10	2.75	35.31	8.32	1174	14.7	22.8	0.17	"	0.41
(The remaining rows of the table are crossed out with a large blue X.)									

PURGING EQUIPMENT				SAMPLING EQUIPMENT			
<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Vac Truck	<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Teflon Bailer
<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Pump	<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Bailer
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump			<input checked="" type="checkbox"/>	Other: Dedicated Tubing		

Remarks: _____

Completed By (Print Name): DAVID lobban

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: MW-16
 Well Diameter: 4"
 Date: 10-30-19

$$\frac{50.00}{\text{TD}} - \frac{35.65}{\text{DTW}} = \frac{14.35}{\text{Water Column}}$$

$$\frac{48.00}{\text{Bottom of Screen}} - \frac{18.00}{\text{Top of Screen}} = \frac{30.00}{\text{Screen Length}}$$

Pump Intake Depth, Screened Above Water Table:

$$\frac{35.65}{\text{DTW}} + 1/2 \left(\frac{7.18}{\text{Water Column}} \right) = \frac{42.83}{\text{Pump Intake Depth}}$$

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{30.00}{\text{Top of Screen Depth}} + 1/2 \left(\frac{15.00}{\text{Screen Length}} \right) = \frac{45.00}{\text{Pump Intake Depth}}$$

Date Purged: 10-30-19 Start (24 Hour) 205 End (24 Hour) 235
 Date Sampled: 10-30-19 Start (24 Hour) 235 End (24 Hour) _____

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
208	.25	35.69	8.72	640	31.6	24.0	0.57	clear	1.27
214	.75	35.74	8.63	638	31.6	24.0	0.31	"	0.95
220	1.25	35.78	8.55	636	31.5	23.9	0.25	"	1.06
225	1.75	35.81	8.51	635	31.4	23.9	0.21	"	1.01
230	2.25	35.82	8.48	635	31.4	23.9	0.19	"	0.92
235	2.75	35.83	8.49	634	31.3	23.8	0.18	"	0.97

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Centrifugal Pump
<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Submersible Pump
<input type="checkbox"/>	Vac Truck	<input type="checkbox"/>	Teflon Bailor
<input type="checkbox"/>	Disposable Pump	<input type="checkbox"/>	Disposable Bailor
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump	<input checked="" type="checkbox"/>	Other: Dedicated Tubing

Remarks: _____ EXP-3 60.90

Completed By (Print Name): DAVID Lubben

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: mw-17
 Well Diameter: 4"
 Date: 10-30-19

$$\frac{50.00}{\text{TD}} - \frac{36.41}{\text{DTW}} = \frac{13.59}{\text{Water Column}}$$

$$\frac{48.00}{\text{Bottom of Screen}} - \frac{18.00}{\text{Top of Screen}} = \frac{30.00}{\text{Screen Length}}$$

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{36.41}{\text{DTW}} + \frac{1}{2} \left(\frac{6.80}{\text{Water Column}} \right) = \frac{43.21}{\text{Pump Intake Depth}}$$

$$\frac{18.00}{\text{Top of Screen Depth}} + \frac{1}{2} \left(\frac{15.00}{\text{Screen Length}} \right) = \frac{33.00}{\text{Pump Intake Depth}}$$

Date Purged: 10-30-19 Start (24 Hour) 1005 End (24 Hour) 1035
 Date Sampled: 10-30-19 Start (24 Hour) 1035 End (24 Hour) _____

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/°C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
10 ⁰⁸ A	1.25	36.45	8.56	1261	95.4	22.6	0.69	clear	1.25
10 ¹⁴ A	1.75	36.48	8.35	1262	94.8	22.6	0.43	"	1.36
10 ¹⁹ A	1.25	36.49	8.29	1261	94.4	22.7	0.27	"	1.71
10 ²⁵ A	1.75	36.51	8.25	1263	93.7	22.7	0.24	"	1.53
10 ³⁰ A	2.25	36.53	8.24	1265	93.2	22.7	0.22	"	1.59
10 ³⁵ A	2.75	36.53	8.23	1266	92.8	22.7	0.21	"	1.63
 									
 									
 									
 									
 									
 									
 									

PURGING EQUIPMENT				SAMPLING EQUIPMENT			
<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Vac Truck	<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Teflon Bailer
<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Pump	<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Bailer
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump			<input checked="" type="checkbox"/>	Other: Dedicated Tubing		

Remarks: _____

Completed By (Print Name): DAVID Wobben

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: MW-22 (MID)
 Well Diameter: 4"
 Date: 11-5-19

$$\frac{57.90}{\text{TD}} - \frac{40.98}{\text{DTW}} = \frac{16.92}{\text{Water Column}}$$

$$\frac{52.00}{\text{Bottom of Screen}} - \frac{42.00}{\text{Top of Screen}} = \frac{10.00}{\text{Screen Length}}$$

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{40.98}{\text{DTW}} + \frac{1}{2} \left(\frac{8.46}{\text{Water Column}} \right) = \frac{49.44}{\text{Pump Intake Depth}}$$

$$\frac{42.00}{\text{Top of Screen Depth}} + \frac{1}{2} \left(\frac{5.00}{\text{Screen Length}} \right) = \frac{47.00}{\text{Pump Intake Depth}}$$

Date Purged: 11-5-19 Start (24 Hour) 140 End (24 Hour) 210
 Date Sampled: 11-5-19 Start (24 Hour) 210 End (24 Hour) _____

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
144	.25	41.03	8.42	1039	-39.3	23.5	0.70	clear	9.73
149	.25	41.07	8.40	1039	-40.1	23.5	0.32	"	9.67
155	1.25	41.10	8.40	1038	-40.7	23.5	0.23	"	9.43
200	1.75	41.11	8.39	1037	-41.1	23.6	0.17	"	9.71
205	2.25	41.11	8.38	1036	-41.3	23.6	0.15	"	9.55
210	2.75	41.12	8.38	1036	-41.7	23.6	0.14	"	9.16

PURGING EQUIPMENT			SAMPLING EQUIPMENT		
<input type="checkbox"/>	Centrifugal Pump	Vac Truck	<input type="checkbox"/>	Centrifugal Pump	Teflon Bailer
<input type="checkbox"/>	Submersible Pump	Disposable Pump	<input type="checkbox"/>	Submersible Pump	Disposable Bailer
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump		<input checked="" type="checkbox"/>	Other: Dedicated Tubing	

Remarks: DUP-5 obtained here

Completed By (Print Name): DAVID Lobban

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: MW-24
 Well Diameter: 4"
 Date: 11-5-19

$$\frac{47.00}{\text{TD}} - \frac{37.18}{\text{DTW}} = \frac{9.82}{\text{Water Column}}$$

$$\frac{44.00}{\text{Bottom of Screen}} - \frac{14.00}{\text{Top of Screen}} = \frac{30.00}{\text{Screen Length}}$$

Pump Intake Depth, Screened Above Water Table:

$$\frac{37.18}{\text{DTW}} + \frac{1}{2} \left(\frac{4.91}{\text{Water Column}} \right) = \frac{42.09}{\text{Pump Intake Depth}}$$

< OR > Pump Intake Depth, Submerged Screen:

$$\frac{14.00}{\text{Top of Screen Depth}} + \frac{1}{2} \left(\frac{15.00}{\text{Screen Length}} \right) = \frac{29.00}{\text{Pump Intake Depth}}$$

Date Purged: 11-5-19 Start (24 Hour) 11³⁰ End (24 Hour) 12⁰⁰
 Date Sampled: 11-5-19 Start (24 Hour) 12⁰⁰ End (24 Hour)

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/°C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
11 ³³	0.25	37.22	8.31	1020	81.3	23.0	0.73	clear	14.16
11 ³⁹	0.25	37.27	8.31	1020	81.5	23.0	0.37	"	12.81
11 ⁴⁴	1.25	37.31	8.31	1018	81.8	23.0	0.22	"	11.16
11 ⁵⁰	1.75	37.33	8.30	1017	82.0	23.0	0.20	"	10.56
11 ⁵⁵	2.25	37.34	8.29	1017	82.1	23.1	0.19	"	10.59
12 ⁰⁰	2.75	37.35	8.29	1015	82.3	23.1	0.17	"	10.41

PURGING EQUIPMENT			SAMPLING EQUIPMENT		
<input type="checkbox"/>	Centrifugal Pump		<input type="checkbox"/>	Centrifugal Pump	
<input type="checkbox"/>	Submersible Pump		<input type="checkbox"/>	Submersible Pump	
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump		<input checked="" type="checkbox"/>	Other: Dedicated Tubing	

Remarks: _____

Completed By (Print Name): DAVID WBBAN

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: MW-25
 Well Diameter: 4"
 Date: 11-7-19

$$\frac{42.50}{\text{TD}} - \frac{39.01}{\text{DTW}} = \frac{3.49}{\text{Water Column}}$$

$$\frac{42.50}{\text{Bottom of Screen}} - \frac{22.50}{\text{Top of Screen}} = \frac{20.00}{\text{Screen Length}}$$

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{39.01}{\text{DTW}} + \frac{1}{2} \left(\frac{1.75}{\text{Water Column}} \right) = \frac{40.76}{\text{Pump Intake Depth}}$$

$$\frac{22.50}{\text{Top of Screen Depth}} + \frac{1}{2} \left(\frac{10.00}{\text{Screen Length}} \right) = \frac{32.50}{\text{Pump Intake Depth}}$$

Date Purged: 11-7-19 Start (24 Hour) 8:10 End (24 Hour) 9:20
 Date Sampled: 11-7-19 Start (24 Hour) 9:20 End (24 Hour) —

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
8:53	0.25	39.05	7.81	1224	-90.8	21.8	0.12	clear	23.64
8:58	0.75	39.11	7.81	1223	-91.6	21.8	0.12	"	20.16
9:04	1.25	39.14	7.80	1223	-92.2	21.9	0.11	"	19.42
9:09	1.75	39.16	7.79	1221	-92.4	21.9	0.10	"	19.01
9:15	2.25	39.16	7.79	1220	-92.7	21.9	0.10	"	18.89
9:20	2.75	39.17	7.78	1219	-93.2	21.9	0.09	"	18.96

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Vac Truck
<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Pump
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump	<input checked="" type="checkbox"/>	Other: Dedicated Tubing

Remarks: _____

Completed By (Print Name): DAVID Wobban
 Reviewed By: DS

Signature: [Signature]
 Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: MW-26
 Well Diameter: 4"
 Date: 11-5-19

$$\frac{47.30}{TD} - \frac{36.98}{DTW} = \frac{10.32}{\text{Water Column}}$$

$$\frac{43.50}{\text{Bottom of Screen}} - \frac{23.50}{\text{Top of Screen}} = \frac{20.00}{\text{Screen Length}}$$

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{36.98}{DTW} + \frac{1}{2} \left(\frac{5.16}{\text{Water Column}} \right) = \frac{42.14}{\text{Pump Intake Depth}}$$

$$\frac{23.50}{\text{Top of Screen Depth}} + \frac{1}{2} \left(\frac{10.00}{\text{Screen Length}} \right) = \frac{33.50}{\text{Pump Intake Depth}}$$

Date Purged: 11-5-19 Start (24 Hour) 2:25 End (24 Hour) 2:55
 Date Sampled: 11-5-19 Start (24 Hour) 2:55 End (24 Hour)

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/°C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
2:28	0.25	37.03	8.05	1034	-10.2	23.5	0.23	clear	2.68
2:34	0.75	37.07	8.05	1034	-11.3	23.5	0.17	"	2.59
2:39	1.25	37.10	8.04	1033	-13.1	23.5	0.14	"	2.43
2:45	1.75	37.12	8.03	1032	-13.8	23.5	0.12	"	2.51
2:50	2.25	37.14	8.04	1031	-14.2	23.6	0.12	"	2.67
2:55	2.75	37.15	8.03	1029	-14.6	23.6	0.11	"	2.58
<div style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); opacity: 0.5; font-size: 4em;">X</div>									

PURGING EQUIPMENT			SAMPLING EQUIPMENT		
<input type="checkbox"/>	Centrifugal Pump		<input type="checkbox"/>	Centrifugal Pump	
<input type="checkbox"/>	Submersible Pump	Vac Truck	<input type="checkbox"/>	Submersible Pump	Teflon Bailor
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump	Disposable Pump	<input checked="" type="checkbox"/>	Other: Dedicated Tubing	Disposable Bailor

Remarks:

Completed By (Print Name): DAVID Lobb

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: MW-27
 Well Diameter: 4"
 Date: 11-5-19

$$\frac{52.30}{TD} - \frac{38.50}{DTW} = 13.80 \text{ Water Column}$$

$$\frac{48.00}{Bottom\ of\ Screen} - \frac{18.00}{Top\ of\ Screen} = 30.00 \text{ Screen Length}$$

Pump Intake Depth, Screened Above Water Table:

$$\frac{38.50}{DTW} + \frac{1}{2} \left(\frac{6.90}{Water\ Column} \right) = \frac{45.40}{Pump\ Intake\ Depth}$$

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{18.00}{Top\ of\ Screen\ Depth} + \frac{1}{2} \left(\frac{15.00}{Screen\ Length} \right) = \frac{33.00}{Pump\ Intake\ Depth}$$

Date Purged: 11-5-19 Start (24 Hour) 305 End (24 Hour) 335
 Date Sampled: 11-5-19 Start (24 Hour) 335 End (24 Hour) ---

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/°C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
308	0.25	38.54	8.30	914	-56.1	23.3	0.35	clear	1.01
313	0.75	38.59	8.16	914	-57.2	23.4	0.22	"	0.81
319	1.25	38.62	8.14	914	-57.9	23.4	0.15	"	0.93
324	1.25	38.64	8.15	913	-58.4	23.5	0.14	"	1.43
330	2.25	38.65	8.14	913	-58.8	23.5	0.12	"	1.17
335	2.75	38.65	8.13	912	-59.2	23.5	0.12	"	1.07
 									
 									
 									
 									
 									
 									
 									
 									

PURGING EQUIPMENT				SAMPLING EQUIPMENT			
<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Vac Truck	<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Teflon Bailer
<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Pump	<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Bailer
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump			<input checked="" type="checkbox"/>	Other: Dedicated Tubing		

Remarks: _____

Completed By (Print Name): DAVID Webber

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: mw-29
 Well Diameter: 4"
 Date: 10-31-19

$$\frac{52.40}{TD} - \frac{38.13}{DTW} = \frac{14.27}{Water\ Column}$$

$$DL \frac{47.50}{52.40} - \frac{17.50}{Top\ of\ Screen} = \frac{30.00}{Screen\ Length}$$

Pump Intake Depth, Screened Above Water-Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{38.13}{DTW} + 1/2 \left(\frac{7.14}{Water\ Column} \right) = \frac{45.27}{Pump\ Intake\ Depth}$$

$$\frac{17.50}{Top\ of\ Screen\ Depth} + 1/2 \left(\frac{15.00}{Screen\ Length} \right) = \frac{32.50}{Pump\ Intake\ Depth}$$

Date Purged: 10-31-19 Start (24 Hour) 9:00 End (24 Hour) 9:30
 Date Sampled: 10-31-19 Start (24 Hour) 9:30 End (24 Hour) _____

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
9:03	1.25	38.17	8.29	804	804 -141.5	23.7	0.24	clear	4.80
9:06	.75	38.21	8.25	810	-145.5	23.9	0.29	"	3.61
9:15	1.25	38.23	8.23	840	-147.8	23.9	0.27	"	3.24
9:20	1.75	38.25	8.22	846	-148.5	23.9	0.24	"	3.89
9:25	2.25	38.26	8.22	851	-149.2	23.9	0.23	"	3.89
9:30	2.25	38.27	8.21	853	-149.5	23.9	0.22	"	3.94

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Vac Truck
<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Pump
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump	<input checked="" type="checkbox"/>	Other: Dedicated Tubing

Remarks: _____

Completed By (Print Name): DAVID Webber

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: PW-1
 Well Diameter: 4"
 Date: 11-7-19

$$\frac{50.00}{\text{TD}} - \frac{35.31}{\text{DTW}} = \frac{14.69}{\text{Water Column}}$$

$$\frac{50.00}{\text{Bottom of Screen}} - \frac{20.00}{\text{Top of Screen}} = \frac{30.00}{\text{Screen Length}}$$

Pump Intake Depth, Screened Above Water Table:

$$\frac{35.31}{\text{DTW}} + \frac{1}{2} \left(\frac{7.35}{\text{Water Column}} \right) = \frac{42.66}{\text{Pump Intake Depth}}$$

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{20.00}{\text{Top of Screen Depth}} + \frac{1}{2} \left(\frac{15.00}{\text{Screen Length}} \right) = \frac{\text{Pump Intake Depth}}{\text{Pump Intake Depth}}$$

Date Purged: 11-7-19 Start (24 Hour) 945 End (24 Hour) 10:30
 Date Sampled: 11-7-19 Start (24 Hour) 1015 End (24 Hour) —

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/°C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
948	1.25	35.34	7.97	1936	30.7	23.0	0.71	clear/rooty	33.46
953	.75	35.39	7.97	1936	30.4	23.0	0.35	"	31.62
958	1.75	35.42	7.96	1937	31.9	23.1	0.22	"	30.09
1004	1.75	35.44	7.94	1939	32.3	23.1	0.17	"	28.82
1010	2.25	35.45	7.94	1940	32.7	23.1	0.14	"	29.13
1015	2.75	35.45	7.92	1941	33.0	23.1	0.13	"	28.72
(Remaining rows are crossed out with a large blue X)									

PURGING EQUIPMENT			SAMPLING EQUIPMENT				
<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Vac Truck	<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Teflon Bailor
<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Pump	<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Bailor
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump		<input type="checkbox"/>	Other: Dedicated Tubing			

Remarks: Roots in well.

Completed By (Print Name): DAVID WEBER

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: PZ-3
 Well Diameter: 4"
 Date: 10-31-19

$$\frac{65.00}{\text{TD}} - \frac{35.58}{\text{DTW}} = \frac{29.42}{\text{Water Column}}$$

$$\frac{65.00}{\text{Bottom of Screen}} - \frac{25.00}{\text{Top of Screen}} = \frac{40.00}{\text{Screen Length}}$$

Pump Intake Depth, Screened Above Water Table:
 $\frac{35.58}{\text{DTW}} + 1/2 \left(\frac{14.71}{\text{Water Column}} \right) = \frac{50.}{\text{Pump Intake Depth}}$

< OR >

Pump Intake Depth, Submerged Screen:
 $\frac{25.00}{\text{Top of Screen Depth}} + 1/2 \left(\frac{20.00}{\text{Screen Length}} \right) = \frac{45.00}{\text{Pump Intake Depth}}$

Date Purged: 10-31-19 Start (24 Hour) 12⁴⁰ End (24 Hour) 1¹⁰
 Date Sampled: 10-31-19 Start (24 Hour) 1¹⁰ End (24 Hour)

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
1243	.25	35.62	8.13	1312	-62.6	23.6	0.15	clear	11.62
1249	.25	35.65	8.13	1311	-63.5	23.6	0.12	"	9.91
1254	1.25	35.68	8.12	1309	-64.2	23.6	0.10	"	9.45
100	1.75	35.70	8.12	1307	-64.7	23.6	0.10	"	10.01
105	2.25	35.71	8.10	1306	-64.9	23.7	0.10	"	9.98
110	2.75	35.71	8.10	1304	-65.3	23.7	0.09	"	9.72

PURGING EQUIPMENT			SAMPLING EQUIPMENT		
<input type="checkbox"/>	Centrifugal Pump	Vac Truck	<input type="checkbox"/>	Centrifugal Pump	Teflon Bailor
<input type="checkbox"/>	Submersible Pump	Disposable Pump	<input type="checkbox"/>	Submersible Pump	Disposable Bailor
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump		<input checked="" type="checkbox"/>	Other: Dedicated Tubing	

Remarks: _____

Completed By (Print Name): DAVID Lobben

Signature: [Signature]

Reviewed By: PS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: TF-8
 Well Diameter: 4"
 Date: 11-5-19

$$\frac{63.00}{TD} - \frac{35.42}{DTW} = \frac{27.58}{\text{Water Column}}$$

$$\frac{60.00}{\text{Bottom of Screen}} - \frac{25.00}{\text{Top of Screen}} = \frac{35.00}{\text{Screen Length}}$$

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{35.42}{DTW} + 1/2 \left(\frac{13.79}{\text{Water Column}} \right) = \frac{49.21}{\text{Pump Intake Depth}}$$

$$\frac{25.00}{\text{Top of Screen Depth}} + 1/2 \left(\frac{17.50}{\text{Screen Length}} \right) = \frac{42.50}{\text{Pump Intake Depth}}$$

Date Purged: 11-5-19 Start (24 Hour) 8:45 End (24 Hour) _____
 Date Sampled: 11-5-19 Start (24 Hour) 9:15 End (24 Hour) _____

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
8:49	0.25	35.46	7.83	1092	81.8	22.8	0.27	clear	11.03
8:54	0.25	35.51	7.83	1091	82.7	22.8	0.21	"	10.31
9:00	1.25	35.53	7.82	1090	83.2	22.9	0.16	"	9.91
9:05	1.75	35.55	7.81	1088	83.5	22.9	0.13	"	9.98
9:10	2.25	35.55	7.81	1087	83.7	22.9	0.12	"	10.17
9:15	2.75	35.56	7.80	1087	83.8	22.9	0.11	"	9.63
<div style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); opacity: 0.5; font-size: 4em;">X</div>									

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Vac Truck
<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Pump
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump	<input checked="" type="checkbox"/>	Other: Dedicated Tubing

Remarks: _____

Completed By (Print Name): DAVID Wobben

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: TF-9R
 Well Diameter: 4"
 Date: 10-31-19

$$\frac{50.00}{\text{TD}} - \frac{38.14}{\text{DTW}} = \frac{11.86}{\text{Water Column}}$$

$$\frac{50.00}{\text{Bottom of Screen}} - \frac{20.00}{\text{Top of Screen}} = \frac{30.00}{\text{Screen Length}}$$

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{38.14}{\text{DTW}} + \frac{1}{2} \left(\frac{5.93}{\text{Water Column}} \right) = \frac{44.07}{\text{Pump Intake Depth}}$$

$$\frac{80.00}{\text{Top of Screen Depth}} + \frac{1}{2} \left(\frac{15.00}{\text{Screen Length}} \right) = \frac{35.00}{\text{Pump Intake Depth}}$$

Date Purged: 10-31-19 Start (24 Hour) 11¹⁵ End (24 Hour) 11⁴⁵
 Date Sampled: 10-31-19 Start (24 Hour) 11²⁵ End (24 Hour)

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
1118	0.25	38.20	8.29	919	62.7	24.7	7.89	clear	4.41
1124	0.75	38.25	8.29	921	63.1	24.7	7.85	"	4.20
1129	1.25	38.28	8.28	922	63.4	24.8	7.81	"	4.02
1134	1.75	38.30	8.28	924	63.6	24.8	7.79	"	3.95
1140	2.25	38.31	8.28	925	63.7	24.8	7.77	"	3.82
1145	2.75	38.33	8.27	926	64.0	24.8	7.75	"	3.70

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Vac Truck
<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Pump
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump	<input checked="" type="checkbox"/>	Other: Dedicated Tubing

Remarks: _____

Completed By (Print Name): DAVID lobban

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: TF-18
 Well Diameter: 4"
 Date: 11-7-19

$$\frac{50.50}{\text{TD}} - \frac{33.09}{\text{DTW}} = \frac{17.41}{\text{Water Column}}$$

$$\frac{50.00}{\text{Bottom of Screen}} - \frac{20.00}{\text{Top of Screen}} = \frac{30.00}{\text{Screen Length}}$$

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{33.09}{\text{DTW}} + \frac{1}{2} \left(\frac{8.71}{\text{Water Column}} \right) = \frac{41.80}{\text{Pump Intake Depth}}$$

$$\frac{20.00}{\text{Top of Screen Depth}} + \frac{1}{2} \left(\frac{15.00}{\text{Screen Length}} \right) = \frac{35.00}{\text{Pump Intake Depth}}$$

Date Purged: 11-7-19 Start (24 Hour) 10³⁵ End (24 Hour) 11⁰⁵
 Date Sampled: 11-7-19 Start (24 Hour) 11⁰⁵ End (24 Hour) ————

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
10 ³⁸	0.25	33.15	8.10	1298	-123.0	28.6	0.32	AMBER clear	19.19
10 ⁴³	0.75	33.19	8.08	1295	-123.6	28.6	0.21	"	16.01
10 ⁴⁸	1.25	33.21	8.07	1293	-124.0	28.5	0.16	"	13.12
10 ⁵³	1.75	33.22	8.07	1290	-124.3	28.5	0.14	"	10.89
10 ⁵⁹	2.25	33.23	8.06	1289	-124.5	28.5	0.13	"	11.13
11 ⁰⁵	2.75	33.24	8.06	1288	-124.6	28.2	0.12	"	10.81

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Centrifugal Pump
<input type="checkbox"/>	Vac Truck	<input type="checkbox"/>	Teflon Bailer
<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Pump
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump	<input checked="" type="checkbox"/>	Other: Dedicated Tubing

Remarks: DUP-7 obtained here.

Completed By (Print Name): DAVID Lobban

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: TF-20R
 Well Diameter: 4"
 Date: 11-6-19

$$\frac{63.00}{TD} - \frac{34.00}{DTW} = \frac{29.00}{\text{Water Column}}$$

$$\frac{50.00}{\text{Bottom of Screen}} - \frac{20.00}{\text{Top of Screen}} = \frac{30.00}{\text{Screen Length}}$$

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{34.00}{DTW} + 1/2 \left(\frac{14.50}{\text{Water Column}} \right) = \frac{48.50}{\text{Pump Intake Depth}}$$

$$\frac{20.00}{\text{Top of Screen Depth}} + 1/2 \left(\frac{15.00}{\text{Screen Length}} \right) = \frac{35.00}{\text{Pump Intake Depth}}$$

Date Purged: 11-6-19 Start (24 Hour) 8:55 End (24 Hour) 9:25
 Date Sampled: 11-6-19 Start (24 Hour) 9:25 End (24 Hour) —

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
8:58	.25	34.04	8.23	1108	-113.2	22.3	0.63	clear	5.67
9:03	.25	34.09	8.19	1107	-113.9	22.3	0.39	"	5.41
9:09	1.25	34.11	8.17	1107	-114.4	22.3	0.25	"	5.39
9:15	1.25	34.13	8.16	1105	-114.9	22.3	0.19	"	5.41
9:20	2.25	34.15	8.16	1104	-115.2	22.4	0.17	"	5.22
9:25	2.75	34.15	8.15	1102	-115.5	22.4	0.16	"	5.03
 									
 									
 									
 									
 									
 									
 									
 									
 									

PURGING EQUIPMENT				SAMPLING EQUIPMENT			
<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Vac Truck	<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Teflon Bailer
<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Pump	<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Bailer
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump			<input checked="" type="checkbox"/>	Other: Dedicated Tubing		

Remarks: _____

Completed By (Print Name): DAVID WBBEN

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5

Well ID: TF-21

Client/Site: DLA/DFSP Norwalk

Well Diameter: 4"

Address: 15306 Norwalk Boulevard
Norwalk, California 90650

Date: 10-30-19

$$\frac{63.00}{TD} - \frac{36.46}{DTW} = \frac{26.54}{Water\ Column}$$

$$\frac{60.00}{Bottom\ of\ Screen} - \frac{25.00}{Top\ of\ Screen} = \frac{35.00}{Screen\ Length}$$

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{36.46}{DTW} + \frac{1}{2} \left(\frac{13.27}{Water\ Column} \right) = \frac{39.73}{Pump\ Intake\ Depth}$$

$$\frac{25.00}{Top\ of\ Screen\ Depth} + \frac{1}{2} \left(\frac{17.50}{Screen\ Length} \right) = \frac{42.50}{Pump\ Intake\ Depth}$$

Date Purged: 10-30-19 Start (24 Hour) 11³⁵ End (24 Hour) 12⁰⁵

Date Sampled: 10-30-19 Start (24 Hour) 12⁰⁵ End (24 Hour) —

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/°C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
11 ³⁹	.25	34.51	8.61	1146	-129.2	23.8	0.15	clear	31.63
11 ⁴⁵	.25	34.55	8.39	1144	-131.9	23.8	0.15	"	23.64
11 ⁵⁰	1.25	34.59	8.36	1144	-132.8	23.9	0.14	"	19.79
11 ⁵⁵	1.25	34.62	8.33	1143	-133.7	23.9	0.14	"	16.72
12 ⁰⁰ _H	2.25	34.62	8.31	1143	-134.2	23.9	0.13	"	17.13
12 ⁰⁵ _P	2.75	34.63	8.30	1142	-134.5	23.9	0.12	"	16.56

PURGING EQUIPMENT			SAMPLING EQUIPMENT		
<input type="checkbox"/>	Centrifugal Pump	Vac Truck	<input type="checkbox"/>	Centrifugal Pump	Teflon Bailer
<input type="checkbox"/>	Submersible Pump	Disposable Pump	<input type="checkbox"/>	Submersible Pump	Disposable Bailer
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump		<input checked="" type="checkbox"/>	Other: Dedicated Tubing	

Remarks: _____

Completed By (Print Name): DAVID WEBBER

Signature: *David Webber*

Reviewed By: DS

Date: November 15, 2019

GROUNDWATER SAMPLE FIELD DATA SHEET

Project #: 091-NDLA-018/Task 5
 Client/Site: DLA/DFSP Norwalk
 Address: 15306 Norwalk Boulevard
 Norwalk, California 90650

Well ID: TF-24
 Well Diameter: 4"
 Date: 11-6-19

$$\frac{63.00}{\text{TD}} - \frac{37.09}{\text{DTW}} = \frac{25.91}{\text{Water Column}}$$

$$\frac{60.00}{\text{Bottom of Screen}} - \frac{25.00}{\text{Top of Screen}} = \frac{35.00}{\text{Screen Length}}$$

Pump Intake Depth, Screened Above Water Table:

< OR >

Pump Intake Depth, Submerged Screen:

$$\frac{37.09}{\text{DTW}} + \frac{1}{2} \left(\frac{12.96}{\text{Water Column}} \right) = \frac{52.05}{\text{Pump Intake Depth}}$$

$$\frac{25.00}{\text{Top of Screen Depth}} + \frac{1}{2} \left(\frac{17.50}{\text{Screen Length}} \right) = \frac{42.50}{\text{Pump Intake Depth}}$$

Date Purged: 11-6-19 Start (24 Hour) 1245 End (24 Hour) 115
 Date Sampled: 11-6-19 Start (24 Hour) 115 End (24 Hour) —

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/C)	D.O. (mg/L)	COLOR (visual)	TURBIDITY (visual or NTU)
1249	0.25	37.12	8.11	8.13	-82.7	23.3	0.15	clear	4.21
1254	0.25	37.16	8.07	8.13	-83.4	23.3	0.12	"	4.79
100	1.25	37.19	8.06	8.12	-83.8	23.4	0.12	"	4.52
105	1.75	37.22	8.06	8.11.0	-83.9	23.4	0.11	"	3.99
110	2.25	37.24	8.06	8.11.0	-84.3	23.4	0.10	"	4.06
115	2.75	37.25	8.05	8.11.0	-84.5	23.4	0.10	"	4.15

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>	Vac Truck
<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>	Disposable Pump
<input checked="" type="checkbox"/>	Other: Low Flow Submersible Pump	<input checked="" type="checkbox"/>	Other: Dedicated Tubing

Remarks: _____

Completed By (Print Name): DAVID Lubben

Signature: [Signature]

Reviewed By: DS

Date: November 15, 2019

BLAINE TECH FIELD DOCUMENTATION

NORWALK WELL GAUGING DATA

 TECHNICIAN: BH, CB

 DATE: 10/28/19

 CLIENT: HEP

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.) 2Q18	Depth to water (ft.) 4Q18	Depth to water (ft.) 2Q19	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Time
EXP-1	4	N				60.26	61.74	60.63	62.85	128.74	TOC	0814
EXP-2	4					61.37	62.92	61.77	62.91	128.42		0859
EXP-3	4					59.32	62.95	59.65	61.08	115.62		0429
EXP-4	4	N				61.39	60.98	61.92	63.16	115.17		1133
EXP-5	4					53.83	53.81	54.14	55.50	113.50		1330
GMW-1	4					unable to locate	unable to locate	DRY	DM	28.05		1619
GMW-10	4		33.84	0.20	0.02	33.87	34.16	30.55	34.12	55.50		1013
GMW-13	4					32.55	34.01	31.92	33.92	49.16		1053
GMW-14R	4					34.74	35.28	33.24	34.98	52.00		1022
GMW-22						38.23	38.02	36.19	37.88	61.70		0817
GMW-23	4					35.57	36.20	34.34	35.48	57.63		0908 11-1-19
GMW-24	4					38.98	38.63	38.43	38.85	39.33		0836
GMW-25	4					38.85	38.70	36.89	37.10	53.25		0842
GMW-26	4					35.19	37.70	33.41	35.23	48.22		1459
GMW-28	4					35.77	35.54	34.30	35.73	49.21		1449
GMW-29	4					36.14	35.88	34.92	36.10	40.26		1429
GMW-3	4					unable to locate	unable to locate	unable to locate	Pump in well			
GMW-30	6					36.05	35.75	34.73	35.98	49.64		1514
GMW-36	4	Sheen	34.84	0.02		35.18	35.91	Pump In Well	39.66	53.35		1500
GMW-37	4					36.45	36.89	34.82	36.30	53.29		0947
GMW-38	4					34.55	35.05	32.81	34.38	52.86		0450
GMW-39	4					33.90	34.40	32.38	33.58	50.96		0870
GMW-4R						34.94	35.25	33.49	34.47	50.41		1028
GMW-8	4					33.70	33.95	27.98	33.87	43.46		0859
GMW-9	5					37.98	37.84	Pump In Well	37.90	49.57		0828
GMW-O-1	4					31.56	31.77	31.03	31.86	50.60		1014
GMW-O-10	4					34.93	34.82	33.86	35.00	49.21		1056

SEE RELEASE REPORTING PROCEDURE REMINDER IN SOW
 Blaine Tech Services, Inc. 1680 Rogers Ave. San Jose, CA 95131 (408) 573-0555

NORWALK WELL GAUGING DATA

 TECHNICIAN: B.M. GLE

 DATE: 10/28/19

 CLIENT KMEP

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.) 2Q18	Depth to water (ft.) 4Q18	Depth to water (ft.) 2Q19	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Time
GMW-O-11	4					pump	33.22	Pump in Well	Pump IN WELL		TOC	
GMW-O-12	4	sheen	31.85	0.60	0.41	33.04	32.65	31.82	32.45	←		0927
GMW-O-14	4					34.12	34.77	32.85	34.07	29.85		1605
GMW-O-15	4					31.79	32.38	Pump in Well	29.28	49.00		1030 10-31-19
GMW-O-16	4					32.40	33.24	29.89	32.10	46.20		1132
GMW-O-17	4					31.88	32.46	30.83	31.35	39.40		1336
GMW-O-18	4				0.13	pump	33.03	30.89	32.05	37.50		1445
GMW-O-19	4					32.72	33.37	31.22	32.19	40.00		1138
GMW-O-2	4					31.83	32.27	31.49	31.95	49.12		1436
GMW-O-20	4		32.50	0.03		32.67	32.82	Pump in well 31.00	32.53	—		1000 11-1-19
GMW-O-21	4					33.13	33.88	Pump in well 32.34	33.00	42.28		1330 11-1-19
GMW-O-23	4	sheen	34.39	0.01		34.05	34.31	32.99	34.40	39.33		1505
GMW-O-24	4					32.50	Unable to Access	31.59	Roots	—		
GMW-O-3	4					31.94	32.29	31.23	31.92	47.85		1425
GMW-O-4	4					31.13	31.54	30.33	31.02	49.36		1410
GMW-O-5	4					31.75	32.13	30.68	31.63	48.68		1345
GMW-O-6	4					29.63	30.25	29.72	29.43	49.50		1416
GMW-O-7	4					28.81	29.15	28.82	29.00	49.40		1420
GMW-O-8	4					30.23	30.70	30.10	30.55	49.41		1430
GMW-O-9	4					33.56	33.98	32.94	34.58	50.22		1436
GMW-SF-7	4					34.21	34.77	32.22	34.00	43.18		0858
GMW-SF-8	4					35.55	36.05	33.74	35.20	43.40		1227
GWR-1R	4					37.21	37.21	34.34	37.24	52.39		0426
GWR-3	6					38.73	38.42	37.16	38.58	48.802		0836
HL-2	4					37.49	37.81	36.52	37.81	59.11		1429
HL-3	4					37.19	37.39	32.85	37.27	41.52		0945
MW-12	4					35.98	36.27	29.07	36.14	51.91	✓	1131

SEE RELEASE REPORTING PROCEDURE REMINDER IN SOW

NORWALK WELL GAUGING DATA

TECHNICIAN: B.M. G-6 DATE: 10/28/11 CLIENT: KMEP

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.) 2Q18	Depth to water (ft.) 4Q18	Depth to water (ft.) 2Q19	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Time
MW-15R						34.83	35.08	33.11	35.00	52.75	TOC	1030
MW-18 (MID)	4					40.46	40.60	38.39	40.42	43.75 65.38		0841
MW-19 (MID)	4					40.76	41.21	38.11	41.18	61.90		1026
MW-20 (MID)	4					38.73	39.37	36.49	39.30	56.66		0824
MW-21 (MID)	4					37.93	38.11	33.63	37.93	61.51		0840
MW-6	4					36.44	36.89	35.45	36.77	52.02		0851
MW-7	4					38.07	38.41	35.07	38.46	53.51		1030
MW-8	4					34.66	35.37	33.13	32.13	50.47		0830
MW-9	4					36.90	37.19	35.42	35.25	52.00		1000 10-30-19
MW-O-1	4					Dry	DRY	32.09	Dry	39.24	↓	0840
MW-O-2	6					34.18	34.30	31.44	-obstructed by roots-			
MW-SF-1	6					39.43	39.20	37.94	39.41	40.79	TOC	0823
MW-SF-10	4					Dry	DRY	DRY	Dry	29.62		1548
MW-SF-11	4					39.90	39.52	38.52	39.13 Pump in	43.72		1218
MW-SF-12	4					39.09	38.96	37.53	38.70 Pump in	43.43		1210
MW-SF-13	4					34.26	34.43	32.29	33.76	38.72		0730 11-1-19
MW-SF-14	4					Dry	DRY	DRY	Dry	36.07		0743
MW-SF-15	4					39.10	39.00	Pump In Well	38.92	43.70		0807
MW-SF-16	4					DRY	DRY	DRY	Dry	35.08		0827
MW-SF-2	4					39.47	39.55	37.95	39.26	41.40		0754
MW-SF-3	4					38.81	38.69	Pump In Well	38.77	51.85		0800
MW-SF-4	4					39.90	38.78	38.45	39.75	40.27		0835
MW-SF-5	6					Dry	DRY	DRY	Dry	38.21		0738
MW-SF-6	6					37.65	33.70	36.13	37.41	41.10		0748
MW-SF-9	4					unable to locate	unable to locate	unable to locate	Pump in Well			
PW-1	4					Dry	DRY	DRY	Dry	39.22		
PW-2	4					Dry	DRY	DRY	Dry	25.62		

SEE RELEASE REPORTING PROCEDURE REMINDER IN SOW

NORWALK WELL GAUGING DATA

TECHNICIAN: B.M. GO DATE: 10/20/19 CLIENT: KMEP

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.) 2Q18	Depth to water (ft.) 4Q18	Depth to water (ft.) 2Q19	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Time
PW-3	4					33.75	33.95	33.12	39.06	49.59	TOC	1440
PZ-10	3					Dry	DRY	DRY	0/3	27.84		1604
PZ-2	4					34.83	34.55	31.37	39.58	48.88		0957
PZ-5	4					32.48	33.33	31.12	32.39	37.00		1218
VEW-1	4					Dry	DRY	DRY	0/3	12.39		0805
VEW-2	4					Dry	DRY	DRY	0/3	28.76		0813
WCW-1	4					32.28	32.77	31.95	32.70	49.93		1403
WCW-10	4					33.20	34.02	34.52	33.91	55.10		1202
WCW-11	4					34.85	35.51	35.09	35.57	59.61		1210
WCW-12	4					35.72	36.23	36.12	36.51	56.65		1218
WCW-13	4					37.10	37.88	38.03	38.13	60.38		1225
WCW-14	4					37.91	38.68	38.95	39.20	58.70		1231
WCW-2	4					34.41	34.78	34.72	35.02	52.73		1154
WCW-3	4					35.28	35.62	35.82	35.98	50.61		1148
WCW-4	4					37.20	37.61	37.89	38.03	51.72		1141
WCW-5	4					32.90	33.38	32.51	33.20	50.19		1359
WCW-6	4					34.70	35.11	34.45	35.15	49.92		1340
WCW-7	4					35.49	35.62	35.42	35.97	49.21		1350
WCW-8	4					36.56	37.04	36.92	37.70	51.59		1331
WCW-9	4					36.82	36.92	37.38	36.39	52.13		1322

10-31-19



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
EXP-1		Y	Y	Y	Y	Y	Y		
EXP-2		Y	Y	Y	Y	Y	Y		
EXP-3		Y	Y	Y	Y	Y	Y		
EXP-4		Y	Y	Y	Y	Y	Y		
EXP-5		Y	Y	Y	Y	Y	Y		
GMW-1		Y	Y	Y	Y	Y	Y		No bolts
GMW-10		Y	Y	Y	Y	Y	Y		
GMW-13		Y	Y	Y	Y	Y	Y		No bolts
GMW-14R		Y	Y	Y	Y	Y	Y		
GMW-22		Y	Y	Y	Y	Y	Y		
GMW-23		Y	Y	Y	Y	Y	Y		
GMW-24		Y	Y	Y	Y	Y	Y		
GMW-25		Y	Y	Y	Y	Y	Y		
GMW-26		Y	Y	Y	Y	Y	Y		No Bolts
GMW-28		Y	Y	Y	Y	Y	Y		No lid on stand pipe
GMW-29		Y	Y	Y	Y	Y	Y		
GMW-3		Y	Y	Y	Y	Y	Y		
GMW-30		Y	Y	Y	Y	Y	Y		
GMW-36		Y	Y	Y	Y	Y	Y		
GMW-37		Y	Y	Y	Y	Y	Y		
GMW-38		Y	Y	Y	Y	Y	Y		
GMW-39		Y	Y	Y	Y	Y	Y		

Performed by: _____

Date Performed: _____

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-4R		Y	Y	Y	Y	Y	Y		
GMW-8		Y	Y	Y	Y	Y	Y		
GMW-9		Y	Y	Y	Y	Y	Y		
GMW-0-1		Y	Y	Y	Y	Y	Y		
GMW-0-10		Y	Y	Y	Y	Y	Y		
GMW-0-11		Y	Y	Y	Y	Y	Y		
GMW-0-12		Y	Y	Y	Y	Y	Y		
GMW-0-14		Y	Y	Y	Y	Y	Y		
GMW-0-15		Y	Y	Y	Y	Y	Y		
GMW-0-16		Y	Y	Y	Y	Y	Y		
GMW-0-17		Y	Y	Y	Y	Y	Y		
GMW-0-18		Y	Y	Y	Y	Y	Y		
GMW-0-19		Y	Y	Y	Y	Y	Y		
GMW-0-2		Y	Y	Y	Y	Y	Y		No Bolts on well
GMW-0-20		Y	Y	Y	Y	Y	Y		
GMW-0-21		Y	Y	Y	Y	Y	Y		No Bolts on well
GMW-0-23		Y	Y	Y	Y	Y	Y		
GMW-0-24		Y	Y	Y	Y	Y	Y		
GMW-0-3		Y	Y	Y	Y	Y	Y		
GMW-0-4		Y	Y	Y	Y	Y	Y		
GMW-0-5		Y	Y	Y	Y	Y	Y		
GMW-0-6		Y	Y	Y	Y	Y	Y		

Performed by: _____

Date Performed: _____



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
MW-SF-6		Y	Y	Y	Y	Y	Y		
MW-SF-9		N	N	N	N	N	N		Unable to locate
PW-1		Y	Y	N	Y	Y	Y		No Bolts
PW-2		Y	Y	N	Y	Y	Y		No Bolts
PW-3		Y	N	N	Y	Y	Y		No Bolts, Dirt area
PZ-10		Y	Y	Y	Y	Y	Y		
PZ-2		Y	Y	Y	Y	Y	Y		
PZ-5		Y	Y	Y	Y	Y	Y		
VEW-1		Y	Y	Y	Y	Y	Y		
VEW-2		Y	Y	Y	Y	Y	Y		
WCW-1		Y	Y	Y	Y	Y	Y		
WCW-10		Y	Y	Y	Y	Y	Y		
WCW-11		Y	Y	Y	Y	Y	Y		
WCW-12		Y	Y	Y	Y	Y	Y		
WCW-13		Y	Y	Y	Y	Y	Y		
WCW-14		Y	Y	Y	Y	Y	Y		
WCW-2		Y	Y	Y	Y	Y	Y		
WCW-3		Y	Y	Y	Y	Y	Y		
WCW-4		Y	Y	Y	Y	Y	Y		
WCW-5		Y	Y	Y	Y	Y	Y		
WCW-6		Y	Y	Y	Y	Y	Y		
WCW-7		Y	Y	Y	Y	Y	Y		
WCW-8		Y	Y	Y	Y	Y	Y		

Performed by: _____

Date Performed: _____

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
MW-15B		Y	Y	Y	Y	Y	Y		
MW-18(MW)		Y	Y	Y	Y	Y	Y		
MW-19(MW)		Y	Y	Y	Y	Y	Y		
MW-20(MW)		Y	Y	Y	Y	Y	Y		
MW-21(MW)		Y	Y	Y	Y	Y	Y		
MW-6		Y	Y	Y	Y	N	Y	No lock	
MW-7		Y	Y	Y	Y	N	Y		
MW-8		Y	Y	Y	Y	N	Y		
MW-9		Y	Y	Y	Y	N	Y		
MW-0-1		Y	Y	Y	Y	N	Y		
MW-0-2		Y	Y	Y	Y	N	Y		
MW-SF-1		Y	Y	Y	Y	Y	Y		
MW-SF-10		Y	Y	Y	Y	Y	Y		
MW-SF-11		Y	Y	Y	Y	Y	Y		
MW-SF-12		Y	Y	Y	Y	Y	Y		
MW-SF-13		Y	Y	Y	Y	Y	Y		
MW-SF-14		Y	Y	Y	Y	Y	Y		
MW-SF-15		Y	Y	Y	Y	Y	Y		
MW-SF-16		Y	Y	Y	Y	Y	Y		
MW-SF-2		Y	Y	Y	Y	Y	Y		
MW-SF-3		Y	Y	Y	Y	Y	Y		
MW-SF-4		Y	Y	Y	Y	Y	Y		
MW-SF-5		Y	Y	Y	Y	Y	Y		

Performed by: _____

Date Performed: _____



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-0-7		Y	Y	Y	Y	N	Y		
GMW-0-8		Y	Y	Y	Y	N	Y		
GMW-0-9		Y	Y	Y	Y	N	Y		
GMW-SF-7		Y	Y	Y	Y	N	Y	Y	
GMW-SF-8		Y	Y	Y	Y	Y	Y	Y	
GR-16		Y	Y	Y	Y	N	Y		No Lock
GR-3		Y	Y	Y	Y	N	Y		No lid on steel pipe
HL-2		Y	Y	Y	Y	N	Y		
HL-3		Y	Y	Y	Y	N	Y		
MW-12		Y	Y	Y	Y	N	Y		
LCW-a		Y	Y	Y	Y	N	Y		

Performed by: _____

Date Performed: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 191028-B-1	Client: KMEP
Sampler: G6	Start Date: 10-29-19
Well I.D.: Exp-1	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 128.80 128.74	Depth to Water: Pre: 61.80 Post: 61.83
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: 1020 Flow Rate: 100ml/min Pump Depth: 125'

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
1023	23.5	7.32	1104	3	7.77	199.2	300	61.83
1026	23.5	7.32	1092	2	6.12	198.1	600	61.83
1029	23.6	7.33	1096	2	5.78	202.6	900	61.83
1032	23.6	7.32	1102	2	5.72	208.1	1200	61.83
1035	23.7	7.31	1104	2	5.70	209.9	1500	61.83
1038	23.7	7.30	1102	2	5.69	212.4	1800	61.83

Did well dewater? Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: <u>18cm</u>
Sampling Time: <u>1040</u>	Sampling Date: <u>10-29-19</u>
Sample I.D.: <u>Exp-1</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 #: 191028-BM1	Client: KMEP
Sampler: GM	Start Date: 10/29/19
Well I.D.: EXP-2	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 128.12	Depth to Water: Pre: 62.91 Post: 62.96
Depth to Free Product: —	Thickness of Free Product (feet): —
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: 1035 Flow Rate: 500 ml/min Pump Depth: 123'

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
1038	21.0	6.91	1471	9	0.86	-79.4	1500	62.96
1041	21.4	6.93	1416	3	0.83	-80.6	3000	62.96
1044	21.9	6.94	1423	3	0.82	-81.5	4500	62.96
1047	22.0	6.95	1428	3	0.80	-82.7	6000	62.96
1050	22.0	6.95	1422	3	0.79	-83.6	7500	62.96

Did well dewater? Yes <u>NO</u>	Amount actually evacuated: <u>7500 ml</u>
Sampling Time: <u>1051</u>	Sampling Date: <u>10/29/19</u>
Sample I.D.: <u>EXP-2</u>	Laboratory: <u>Alpha Analytical</u>
Analyzed for: <u>TPHg TPHfp VOC's MTBE</u>	Other: <u>See L.O.C</u>
Equipment Blank I.D.: <u>@</u>	Duplicate I.D.: <u>Time</u>

LOW FLOW WELL MONITORING DATA SHEET

Project #: 191028-B-1	Client: KMEP
Sampler: GA	Start Date: 10-29-19
Well I.D.: Exp-3	Well Diameter: 2 3 (4) 6 8
Total Well Depth: 115.62	Depth to Water: Pre: 61.08 Post: 61.16
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>eye</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: 1315 Flow Rate: 100 mL/min Pump Depth: 110'

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
1318	223	7.56	1053	4	0.29	278.4	300	61.14
1321	223	7.48	1050	2	0.53	223.9	600	61.16
1324	225	7.42	1051	3	0.79	221.2	900	61.16
1327	225	7.42	1064	2	0.97	218.7	1200	61.16
1330	225	7.40	1063	2	1.04	215.4	1500	61.16
1333	225	7.40	1059	2	1.06	212.6	1800	61.16

Did well dewater? Yes No Amount actually evacuated: 1800 mL

Sampling Time: 1335 Sampling Date: 10-29-19

Sample I.D.: ~~Exp-3~~ EXP-3 Laboratory: Alpha Analytical

Analyzed for: TPHg TPHfp VOC's MTBE Other: See C.O.C

Equipment Blank I.D.: @ _____ Time Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 191020-BM1	Client: KMEP
Sampler: B _u	Start Date: 10/30/19
Well I.D.: Exp-4	Well Diameter: 2 3 (4) 6 8
Total Well Depth: 115.17	Depth to Water: Pre: 63.16 Post: 63.23
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: PVC Grade	Flow Cell Type: YSI 556

Purge Method: Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0904 Flow Rate: 500 ml/min Pump Depth: 110

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
0907	20.2	7.42	1309	2	0.54	-83.2	1500	63.23
0910	20.4	7.37	1272	2	0.43	-84.9	3000	63.23
0913	20.7	7.35	1293	2	0.37	-85.7	4500	63.23
0916	20.8	7.34	1284	2	0.36	-86.3	6000	63.23
0919	20.8	7.32	1289	2	0.35	-87.1	7500	63.23

Did well dewater? Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 7500
Sampling Time: 0920	Sampling Date: 10/30/19
Sample I.D.: Exp-4	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: <u>seC:O.C</u>
Equipment Blank I.D.: @ <small>Time</small>	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>K1028-33-1</u>	Client: KMEP
Sampler: <u>6h</u>	Start Date: <u>10-30-19</u>
Well I.D.: <u>Exp-5</u>	Well Diameter: 2 3 <u>4</u> 6 8 _____
Total Well Depth: <u>113.50</u>	Depth to Water: Pre: <u>55.50</u> Post: <u>55.52</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>EVG</u> Grade	Flow Cell Type: YSI 556

Purge Method: 2nd Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1056 Flow Rate: 200 ml/min Pump Depth: 108'

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
1059	21.2	7.61	1036	10	0.64	99.4	300	55.51
1102	21.2	7.59	1047	8	0.59	85.6	600	55.52
1105	21.2	7.58	1053	8	0.53	84.1	900	55.52
1108	21.2	7.55	1032	4	0.46	82.6	1200	55.52
1111	21.2	7.51	1049	5	0.33	80.8	1500	55.52
1114	21.1	7.49	1053	4	0.31	79.4	1800	55.52
1117	21.1	7.49	1048	4	0.29	77.7	2100	55.52

Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Amount actually evacuated: <u>2100 ml</u>
Sampling Time: <u>1118</u>	Sampling Date: <u>10-30-19</u>
Sample I.D.: <u>Exp-5</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 #: 191028-BM1	Client: KMEP
Sampler: BM	Start Date: 10/28/19
Well I.D.: BMW-1	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 2609	Depth to Water: Pre: Dry Post:
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: _____ Flow Rate: _____ Pump Depth: _____

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
— Well Dry, No Sample Taken —								

Did well dewater? Yes No	Amount actually evacuated:
Sampling Time:	Sampling Date:
Sample I.D.:	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other:
Equipment Blank I.D.:	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 191028-57-1	Client: KMEP
Sampler: G-6	Start Date: 10-30-19
Well I.D.: GMW-419	Well Diameter: 2 3 (4) 6 8
Total Well Depth: 50.91	Depth to Water: Pre: 34.97 Post: 35.03
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: 0950 Flow Rate: 1.0 L/min Pump Depth: 45'

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
0953	24.8	7.12	1298	10	0.81	163.4	300	35.03
0956	24.9	6.96	1264	8	0.74	131.8	600	35.03
0959	25.0	6.90	1236	6	0.69	125.6	900	35.03
1002	25.0	6.89	1231	5	0.69	119.2	1200	35.03
1005	25.1	6.88	1229	5	0.68	117.8	1500	35.03

Did well dewater? Yes <input checked="" type="radio"/> No <input type="radio"/>	Amount actually evacuated: 1500 ml
Sampling Time: 1006	Sampling Date: 10-30-19
Sample I.D.: GMW-419	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>191010-BM</u>	Client: KMEP
Sampler: <u>BM</u>	Start Date: <u>10/29/19</u>
Well I.D.: <u>GMW-B</u>	Well Diameter: 2 3 <u>4</u> 6 8 _____
Total Well Depth: <u>43.46</u>	Depth to Water: Pre: <u>73.87</u> Post: <u>34.09</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: 1240 Flow Rate: 100 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>1243</u>	<u>20.9</u>	<u>7.16</u>	<u>573</u>	<u>247</u>	<u>1.04</u>	<u>-84.9</u>	<u>300</u>	<u>34.02</u>
<u>1246</u>	<u>21.2</u>	<u>7.25</u>	<u>568</u>	<u>226</u>	<u>0.92</u>	<u>-85.8</u>	<u>600</u>	<u>34.05</u>
<u>1249</u>	<u>21.5</u>	<u>7.28</u>	<u>564</u>	<u>219</u>	<u>0.87</u>	<u>-86.2</u>	<u>900</u>	<u>34.07</u>
<u>1252</u>	<u>21.6</u>	<u>7.32</u>	<u>562</u>	<u>211</u>	<u>0.85</u>	<u>-86.9</u>	<u>1200</u>	<u>34.08</u>
<u>1255</u>	<u>21.6</u>	<u>7.35</u>	<u>565</u>	<u>204</u>	<u>0.83</u>	<u>-87.5</u>	<u>1500</u>	<u>34.09</u>
<u>1258</u>	<u>21.7</u>	<u>7.37</u>	<u>560</u>	<u>198</u>	<u>0.82</u>	<u>-88.3</u>	<u>1800</u>	<u>34.09</u>

Did well dewater? Yes <input checked="" type="radio"/> No <input type="radio"/>	Amount actually evacuated: <u>1800 ml</u>
Sampling Time: <u>1259</u>	Sampling Date: <u>10/29/19</u>
Sample I.D.: <u>GMW-B</u>	Laboratory: <u>Alpha Analytical</u>
Analyzed for: <u>TPHg TPHfp VOC's MTBE</u>	Other: <u>See L.O.C</u>
Equipment Blank I.D.: <u>@</u>	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 191028-BM1	Client: KMEP
Sampler: BM	Start Date: 11/1/19
Well I.D.: GMMW-A	Well Diameter: 2 3 4 6 8 <u>5</u>
Total Well Depth: 29.57	Depth to Water: Pre: 37.90 Post: 37.99
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: 0832 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
0839	26.0	7.31	2271	68	1.17	-66.1	600	37.98
0838	26.3	7.26	2289	56	0.98	-70.3	1200	37.99
0841	26.7	7.22	2296	50	0.91	-71.5	1800	37.99
0844	26.9	7.19	2304	46	0.87	-72.8	2400	37.99
0847	27.1	7.17	2311	44	0.84	-73.6	3000	37.99
0850	27.1	7.15	2316	43	0.81	-74.2	3600	37.99

Did well dewater? Yes No Amount actually evacuated: 3600

Sampling Time: 0851 Sampling Date: 11/1/19

Sample I.D.: GMMW-A Laboratory: Alpha Analytical

Analyzed for: TPHg TPHfp VOC's MTBE Other: see L.O.C

Equipment Blank I.D.: @ _____ Time Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 191028-0121	Client: KMEP
Sampler: G.R.	Start Date: 10-30-19
Well I.D.: GPMW-13	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 49.16	Depth to Water: Pre: 33.42 Post: 33.58
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>BVC</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: 0910 Flow Rate: 100ml/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. or <u>ml</u>)	Depth to water
0913	22.2	7.72	618	293	0.88	268.0	300	33.56
0916	22.0	7.72	612	181	0.76	251.0	600	33.58
0919	22.0	7.70	607	143	0.55	246.7	800	33.58
0922	22.1	7.71	600	129	0.49	238.3	1200	33.58
0925	22.2	7.69	598	126	0.43	229.4	1500	33.58
0928	22.2	7.69	594	112	0.40	221.6	1800	33.58
0931	22.3	7.70	593	109	0.38	217.8	2100	33.58
0934	22.3	7.69	590	103	0.35	214.4	2400	33.58

Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Amount actually evacuated: 2800L
Sampling Time: 0935	Sampling Date: 10-30-19
Sample I.D.: GPMW-13	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other:
Equipment Blank I.D.: @	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141028-BM-1	Client: KMEP
Sampler: G6	Start Date: 10-30-19
Well I.D.: GMMW-1413	Well Diameter: 2 3 ④ 6 8
Total Well Depth: 5200	Depth to Water: Pre: 34.98 Post: 35.13
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: 0820 Flow Rate: 100 mL/min Pump Depth: 47'

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
0823	22.1	7.68	1089	12	0.94	241.0	300	35.09
0826	22.3	7.63	1094	6	0.46	222.6	600	35.13
0829	22.3	7.60	1106	6	0.38	218.9	900	35.13
0832	22.4	7.58	1118	5	0.33	213.4	1200	35.13
0835	22.4	7.57	1123	4	0.31	210.8	1500	35.13
0838	22.4	7.57	1124	4	0.30	209.9	1800	35.13

Did well dewater? Yes <input checked="" type="radio"/> No <input type="radio"/>	Amount actually evacuated: 1800 mL
Sampling Time: 0840	Sampling Date: 10-30-19
Sample I.D.: GMMW-1413	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See C.O.C
Equipment Blank I.D.: @	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 191028-321	Client: KMEP
Sampler: BU	Start Date: 11/11/19
Well I.D.: GMW-23	Well Diameter: 2 3 4 6 8
Total Well Depth: 57.63	Depth to Water: Pre: 35.48 Post: 35.70
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: PVS 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: 0914 Flow Rate: 200 mL/min Pump Depth: 53'

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
0917	24.7	6.91	2660	164	0.45	-101.6	600	35.69
0920	25.1	6.83	2711	131	0.40	-102.5	1200	35.70
0923	25.3	6.74	2724	110	0.37	-102.9	1800	35.70
0926	25.4	6.77	2735	96	0.33	-103.4	2400	35.70
0929	25.6	6.74	2746	87	0.29	-103.8	3000	35.70
0932	25.8	6.72	2751	79	0.27	-104.1	3600	35.70
0935	25.9	6.71	2758	75	0.26	-104.4	4200	35.70
0938	26.1	6.69	2763	73	0.24	-104.7	4800	35.70

Did well dewater? Yes **NO** Amount actually evacuated: 4800

Sampling Time: 0939 Sampling Date: 11/11/19

Sample I.D.: GMW-23 Laboratory: Alpha Analytical

Analyzed for: TPHg TPHfp VOC's MTBE Other: Se2 C.O.C

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>191028-B14-1</u>	Client: KMEP
Sampler: <u>GA</u>	Start Date: <u>11-1-19</u>
Well I.D.: <u>GMW-25</u>	Well Diameter: 2 3 <u>(4)</u> 6 8
Total Well Depth: <u>53.25</u>	Depth to Water: Pre: <u>37.10</u> Post: <u>37.22</u>
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: 0750 Flow Rate: 100ml/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
<u>0753</u>	<u>23.8</u>	<u>6.94</u>	<u>2237</u>	<u>7600</u>	<u>1.79</u>	<u>-33.0</u>	<u>300</u>	<u>37.18</u>
<u>0756</u>	<u>23.8</u>	<u>6.95</u>	<u>2241</u>	<u>261</u>	<u>1.53</u>	<u>-40.2</u>	<u>600</u>	<u>37.22</u>
<u>0759</u>	<u>23.4</u>	<u>6.96</u>	<u>2231</u>	<u>108</u>	<u>1.49</u>	<u>-55.8</u>	<u>900</u>	<u>37.22</u>
<u>0802</u>	<u>23.4</u>	<u>6.97</u>	<u>2236</u>	<u>64</u>	<u>1.24</u>	<u>-63.6</u>	<u>1200</u>	<u>37.22</u>
<u>0805</u>	<u>23.3</u>	<u>6.98</u>	<u>2240</u>	<u>66</u>	<u>1.21</u>	<u>-66.4</u>	<u>1500</u>	<u>37.22</u>
<u>0808</u>	<u>23.3</u>	<u>6.98</u>	<u>2242</u>	<u>60</u>	<u>1.20</u>	<u>-68.9</u>	<u>1800</u>	<u>37.22</u>

Did well dewater? Yes: <u>(No)</u>	Amount actually evacuated: <u>1800ml</u>
Sampling Time: <u>0810</u>	Sampling Date: <u>11-1-19</u>
Sample I.D.: <u>GMW-25</u>	Laboratory: <u>Alpha Analytical</u>
Analyzed for: <u>TPHg TPHfp VOC's MTBE</u>	Other: <u>See CO.</u>
Equipment Blank I.D.: _____ @ _____ Time	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 191028-AN-1	Client: KMEP
Sampler: GMA	Start Date: 11-1-19
Well I.D.: GMLW-26	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 48.22	Depth to Water: Pre: 35.23 Post: 35.31
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVE</u> Grade	Flow Cell Type: YSI 556

Purge Method: 0" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____

Start Purge Time: 0858 Flow Rate: 1.0 L/min Pump Depth: 46'

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
0901	21.4	7.47	3542	31.5	1.64	75.2	300	35.29
0904	21.5	7.31	3597	28	1.54	75.7	600	35.30
0907	22.2	7.29	3592	23	1.79	74.9	900	35.31
0910	22.3	7.26	3598	20	1.82	74.0	1200	35.31
0913	22.4	7.25	3604	20	1.86	73.2	1500	35.31
0916	22.4	7.23	3610	19	1.90	71.8	1800	35.31

Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Amount actually evacuated: <u>1800ml</u>
Sampling Time: <u>0917</u>	Sampling Date: <u>11-1-19</u>
Sample I.D.: <u>GMLW-26</u>	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: <u>See C.O.C</u>
Equipment Blank I.D.: @ _____	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 191028-BM1	Client: KMEP
Sampler: GM	Start Date: 11/11/19
Well I.D.: GMW-28	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 41.21	Depth to Water: Pre: 35.73 Post: 36.00
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: 1003 Flow Rate: 150 ml/min Pump Depth: 45'

Time	Temp. (<u>°C</u> 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
1006	21.0	6.80	3059	28	1.12	-107.4	450	35.99
1009	21.2	6.82	3051	25	1.07	-108.1	900	36.01
1012	21.4	6.84	3053	24	1.06	-108.6	1350	36.00
1015	21.5	6.85	3049	22	1.00	-109.4	1800	36.00
1018	21.5	6.85	3052	19	0.96	-109.7	2250	36.00
1021	21.6	6.85	3057	19	0.95	-110.1	2700	36.00
1024	21.7	6.86	3059	18	0.91	-111.0	3150	36.00

Did well dewater? Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 3150
Sampling Time: 1025	Sampling Date: 11/11/19
Sample I.D.: GMW-28	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: <u>Sev</u> <u>CoC</u>
Equipment Blank I.D.: @ <small>Time</small>	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 191028-BM1	Client: KMEP
Sampler: R	Start Date: 11/11/19
Well I.D.: GHW-30	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 49.69	Depth to Water: Pre: 35.98 Post: 36.06
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: 1048 Flow Rate: 200 ul/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
1051	24.8	7.12	2627	13	1.70	-109.8	600	36.05
1054	24.6	7.05	2625	11	1.52	-112.5	1200	36.06
1057	24.5	7.03	2621	10	1.47	-113.2	1800	36.06
1100	24.7	7.02	2617	8	1.42	-113.9	2400	36.06
1103	24.8	7.01	2611	7	1.36	-114.6	3000	36.06
1106	24.9	6.99	2608	7	1.30	-115.4	3600	36.06

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 3600
Sampling Time: 1107	Sampling Date: 11/11/19
Sample I.D.: GHW-30	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: Se LOC
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 191028 BM-1	Client: KMEP
Sampler: GG	Start Date: 10-31-19
Well I.D.: GMW-36	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: _____	Depth to Water: Pre: 3486 Post: _____
Depth to Free Product: 34.84	Thickness of Free Product (feet): 0.02
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: _____ Flow Rate: _____ Pump Depth: _____

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
- NO sample taken Sheen / color present in well -								
- confirmed w/ interface probe & boiler -								

Did well dewater? <u>Yes</u> No	Amount actually evacuated: _____
Sampling Time: _____	Sampling Date: _____
Sample I.D.: _____	Laboratory: Alpha Analytical
Analyzed for: <u>TPHg TPHfp VOC's MTBE</u> Other: _____	
Equipment Blank I.D.: _____ @ _____ Time	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 191028-B-1	Client: KMEP
Sampler: Ed	Start Date: 10-29-19
Well I.D.: G1MW-37	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 53.29	Depth to Water: Pre: 36.30 Post: 36.43
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: 1420 Flow Rate: 100 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
1423	22.8	7.75	802	12	1.29	266.7	300	36.43
1426	22.6	7.61	800	10	1.17	252.4	600	36.43
1429	22.5	7.50	777	9	1.02	241.6	900	36.43
1431	22.5	7.47	758	9	0.92	233.4	1200	36.43
1434	22.6	7.45	755	8	0.90	230.8	1500	36.43
1437	22.6	7.45	748	9	0.88	229.9	400	36.43

Did well dewater? Yes <u>No</u>	Amount actually evacuated: <u>1800 ml</u>
Sampling Time: <u>1438</u>	Sampling Date: <u>10-29-19</u>
Sample I.D.: <u>G1MW-37</u>	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: <u>See C.O.C</u>
Equipment Blank I.D.: @ _____	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 19W28-B-1	Client: KMEP
Sampler: G-07	Start Date: 10-29-19
Well I.D.: GPMW-38	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 52.86	Depth to Water: Pre: 34.38 Post: 34.50
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: 1453 Flow Rate: 100ml/min Pump Depth: 47'

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
1456	21.8	7.84	721	27	1.35	232.4	300	34.48
1459	22.0	7.72	700	20	1.26	230.1	600	34.50
1502	22.0	7.68	692	13	1.18	226.5	900	34.50
1505	22.1	7.63	680	12	1.13	220.3	1200	34.50
1508	22.0	7.60	678	12	1.10	217.8	1500	34.50
1511	22.0	7.60	662	11	1.08	215.7	1800	34.50

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 180ml
Sampling Time: 1515	Sampling Date: 10-29-19
Sample I.D.: GPMW-38	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 #: 191028-B -1	Client: KMEP
Sampler: GB	Start Date: 10-29-19
Well I.D.: G1MW-39	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 50.96	Depth to Water: Pre: 33.58 Post: 33.62
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: 1050 Flow Rate: 100ml/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
1053	22.6	7.48	860	16	0.89	246.6	300	33.60
1056	22.8	7.56	857	16	0.71	245.1	600	33.62
1059	22.8	7.57	855	8	0.65	244.0	900	33.62
1102	22.8	7.60	850	8	0.61	240.3	1200	33.62
1105	22.9	7.61	852	7	0.58	238.6	1500	33.62
1108	22.9	7.61	851	7	0.57	238.1	1800	33.62

Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Amount actually evacuated: <u>1800ml</u>
Sampling Time: <u>1110</u>	Sampling Date: <u>10-29-19</u>
Sample I.D.: <u>G1MW-39</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 #: R1028-6A-1	Client: KMEP
Sampler: G&S	Start Date: 11-1-19
Well I.D.: GMW-0-1	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 50.60	Depth to Water: Pre: 31.86 Post: 31.95
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: 1056 Flow Rate: 100 mL/min Pump Depth: 46'

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>liters</u>)	Depth to water
1059	21.0	7.21	3323	26	0.91	916	300	31.92
1102	21.1	7.16	3345	20	0.75	983	600	31.95
1105	21.2	7.13	3355	18	0.53	992	900	31.95
1108	21.2	7.08	3360	17	0.48	1046	1200	31.95
1111	21.3	7.03	3362	16	0.45	1050	1500	31.95
1114	21.3	7.00	3365	16	0.40	1058	1800	31.95

Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Amount actually evacuated: <u>1800 mL</u>
Sampling Time: <u>1115</u>	Sampling Date: <u>11-1-19</u>
Sample I.D.: <u>GMW-0-1</u>	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: <u>See C.O.C</u>
Equipment Blank I.D.: @ _____	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 19W28-1M-1	Client: KMEP
Sampler: <i>Con</i>	Start Date: 10-30-19
Well I.D.: GMW-0-2	Well Diameter: 2 3 4 6 8
Total Well Depth: 49.12	Depth to Water: Pre: 31.45 Post: 31.55
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <i>PVD</i> 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: 1516 Flow Rate: 100 mL/min Pump Depth: 45'

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
1519	21.4	7.46	2091	48	1.10	98.3	300	31.49
1522	21.4	7.41	2098	91	0.97	99.9	600	31.53
1525	21.4	7.33	2099	38	0.91	104.6	900	31.55
1528	21.6	7.29	3006	37	0.86	108.1	1200	31.55
1531	21.6	7.28	3009	35	0.83	1013.4	1500	31.55
1534	21.5	7.25	3015	35	0.80	117.6	1800	31.55

Did well dewater? Yes <input checked="" type="checkbox"/> No	Amount actually evacuated: 4000 ml
Sampling Time: 1535	Sampling Date: 10-30-19
Sample I.D.: GMW-0-2	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See C.O.C
Equipment Blank I.D.: @ _____	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 19W28-67-1	Client: KMEP
Sampler: <i>ea</i>	Start Date: 10-30-19
Well I.D.: G1MW-0-3	Well Diameter: 2 3 <u>4</u> 6 8 _____
Total Well Depth: 47.85	Depth to Water: Pre: 31.92 Post: 32.01
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: 1445 Flow Rate: 100 mL/min Pump Depth: 43'

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
1448	22.3	7.29	2555	28	1.58	48.2	300	32.01
1451	22.6	7.20	2651	26	1.04	-22.6	600	32.01
1454	22.8	7.12	2660	30	1.01	-36.8	900	32.01
1457	22.8	7.13	2666	28	0.95	-48.9	1200	32.01
1500	22.9	7.10	2673	28	0.93	-50.6	1500	32.01
1503	22.9	7.10	2680	26	0.90	-53.4	1800	32.01

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 1800 L
Sampling Time: 1505	Sampling Date: 10-30-19
Sample I.D.: G1MW-0-3	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See C.O.C
Equipment Blank I.D.: @ _____ Time	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>19W28-01-1</u>	Client: KMEP
Sampler: <u>Gib</u>	Start Date: <u>10-30-19</u>
Well I.D.: <u>GMW-0-4</u>	Well Diameter: 2 3 <u>4</u> 6 8 _____
Total Well Depth: <u>49.36</u>	Depth to Water: Pre: <u>31.02</u> Post: <u>31.11</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: YSI 556

Purge Method: 2nd Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1345 Flow Rate: 10 ml/min Pump Depth: 45'

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
1348	21.3	7.59	2012	18	0.90	268.3	300	31.08
1351	21.6	7.53	2026	16	0.71	266.1	600	31.11
1354	21.5	7.49	2031	14	0.50	258.6	900	31.11
1357	21.5	7.46	2038	12	0.41	247.9	1200	31.11
1400	21.5	7.43	2041	11	0.38	243.8	1500	31.11
1403	21.6	7.43	2046	12	0.34	246.3	1800	31.11

Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Amount actually evacuated: <u>1800 mL</u>
Sampling Time: <u>1405</u>	Sampling Date: <u>10-30-19</u>
Sample I.D.: <u>GMW-0-4</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 #: 19W28-BM-1	Client: KMEP
Sampler: 029	Start Date: 10-30-19
Well I.D.: GMMW-0-5	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 48.88	Depth to Water: Pre: 31.63 Post: 31.69
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: 1300 Flow Rate: 100 mL/min Pump Depth: 45'

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
1303	23.6	7.61	1533	28	1.07	263.6	300	31.68
1306	23.5	7.58	1564	19	1.03	246.1	600	31.69
1309	23.5	7.53	1523	16	0.95	238.8	900	31.69
1312	23.4	7.50	1581	14	0.91	231.4	1200	31.69
1315	23.3	7.49	1598	14	0.88	228.9	1500	31.69
1318	22.3	7.48	1600	13	0.87	225.5	1800	31.69

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: <u>1800 ml</u>
Sampling Time: <u>1320</u>	Sampling Date: <u>10-30-19</u>
Sample I.D.: <u>GMMW-0-5</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 #: 191028-BM1	Client: KMEP
Sampler: BM	Start Date: 11/11/19
Well I.D.: GMW-0-9	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 50.22	Depth to Water: Pre: 34.58 Post: 34.70
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: 1251 Flow Rate: 100 mL/min Pump Depth: 45'

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
1254	21.5	7.22	2287	19	0.55	-104.2	500	34.70
1257	21.5	7.18	2288	15	0.51	-104.9	600	34.70
1300	21.6	7.17	2289	11	0.48	-105.6	900	34.70
1303	21.6	7.16	2291	8	0.47	-105.8	1200	34.70
1306	21.6	7.15	2296	9	0.45	-106.5	1500	34.70
1309	21.6	7.15	2293	8	0.45	-106.7	1800	34.70

Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Amount actually evacuated: 1800
Sampling Time: 1310	Sampling Date: 11/11/19
Sample I.D.: GMW-0-9	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See CWC
Equipment Blank I.D.: @ <small>Time</small>	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 191028-BM1	Client: KMEP
Sampler: BN	Start Date: 11/11/19
Well I.D.: Gmw-0-10	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 49.71	Depth to Water: Pre: 35.00 Post: 35.16
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: 1206 Flow Rate: 100 mL/min Pump Depth: 45'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or μS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mls)	Depth to water
1209	24.7	7.09	4050	10	1.34	-108.6	300	35.16
1212	24.5	7.08	4056	7	1.09	-110.2	600	35.16
1215	24.6	7.08	4062	6	0.98	-112.5	900	35.16
1218	24.6	7.07	4060	4	0.96	-113.3	1200	35.16
1221	24.7	7.06	4066	3	0.94	-114.0	1500	35.16
1224	24.7	7.06	4071	3	0.91	-114.8	1800	35.16

Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Amount actually evacuated: 1800
Sampling Time: 1225	Sampling Date: 11/11/19
Sample I.D.: Gmw-0-10	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See POC
Equipment Blank I.D.: @ <small>Time</small>	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 19W28-BM-1	Client: KMEP
Sampler: GA	Start Date: 11-1-19
Well I.D.: GMW-0-20 GMW-0-12	Well Diameter: 2 3 <u>(4)</u> 6 8
Total Well Depth: —	Depth to Water: Pre: 32.45 Post: —
Depth to Free Product: 31.85	Thickness of Free Product (feet): 0.6
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: _____ Flow Rate: _____ Pump Depth: _____

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
no sample taken 0.6 ft product detected w/ interface probe -								

Did well dewater? Yes No	Amount actually evacuated:
Sampling Time:	Sampling Date:
Sample I.D.:	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: _____
Equipment Blank I.D.: @ _____ Time	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 191028-BM-1	Client: KMEP
Sampler: GB	Start Date: 11-14-19
Well I.D.: GMMW-0-14	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 49.85	Depth to Water: Pre: 34.07 Post: 34.14
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: 12:04 Flow Rate: 100 ml/min Pump Depth: 46'

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
1212	24.8	7.27	1988	38	1.19	-64.2	300	34.10
1215	24.8	7.20	2169	28	1.05	-71.8	600	34.14
1218	24.9	7.16	2189	24	0.86	-88.9	900	34.14
1221	25.0	7.11	2206	21	0.79	-97.4	1200	34.14
1224	25.0	7.09	2212	20	0.73	-101.7	1500	34.14
1227	25.0	7.08	2215	19	0.71	-103.7	1800	34.14

Did well dewater? Yes No Amount actually evacuated: 1800 ml

Sampling Time: 12:30 Sampling Date: 11-14-19

Sample I.D.: GMMW-0-14 Laboratory: Alpha Analytical

Analyzed for: TPHg TPHfp VOC's MTBE Other: See C.O.C

Equipment Blank I.D.: @ _____ Duplicate I.D.: DUP-7

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>19028-60-1</u>	Client: KMEP
Sampler: <u>Gib</u>	Start Date: <u>10-31-19</u>
Well I.D.: <u>GMW-0-15</u>	Well Diameter: 2 3 <input checked="" type="radio"/> 6 8 _____
Total Well Depth: <u>4900</u>	Depth to Water: Pre: <u>29.28</u> Post: <u>29.37</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <input checked="" type="checkbox"/> 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: 1051 Flow Rate: 100ml/min Pump Depth: 44'

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>1054</u>	<u>24.8</u>	<u>7.33</u>	<u>2061</u>	<u>109</u>	<u>0.65</u>	<u>-213.8</u>	<u>300</u>	<u>29.36</u>
<u>1057</u>	<u>24.9</u>	<u>7.30</u>	<u>2066</u>	<u>98</u>	<u>0.38</u>	<u>-236.4</u>	<u>600</u>	<u>29.37</u>
<u>1100</u>	<u>25.1</u>	<u>7.26</u>	<u>2069</u>	<u>86</u>	<u>0.27</u>	<u>-261.2</u>	<u>900</u>	<u>29.37</u>
<u>1103</u>	<u>25.1</u>	<u>7.23</u>	<u>2074</u>	<u>85</u>	<u>0.21</u>	<u>-266.8</u>	<u>1200</u>	<u>29.37</u>
<u>1106</u>	<u>25.1</u>	<u>7.21</u>	<u>2078</u>	<u>80</u>	<u>0.23</u>	<u>-268.3</u>	<u>1500</u>	<u>29.37</u>

Did well dewater? Yes <input checked="" type="checkbox"/> No	Amount actually evacuated: <u>1500ml</u>
Sampling Time: <u>1107</u>	Sampling Date: <u>10-31-19</u>
Sample I.D.: <u>GMW-0-15</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>14W28-BM-1</u>	Client: KMEP
Sampler: <u>GR</u>	Start Date: <u>10-31-19</u>
Well I.D.: <u>GMW-0-16</u>	Well Diameter: 2 3 <input checked="" type="checkbox"/> 6 8 _____
Total Well Depth: <u>45.20</u>	Depth to Water: Pre: <u>32.00</u> Post: <u>32.18</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <input checked="" type="checkbox"/> 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: 10:00 Flow Rate: 1.00 ml/min Pump Depth: 40'

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>10:03</u>	<u>22.2</u>	<u>7.40</u>	<u>1813</u>	<u>64</u>	<u>1.25</u>	<u>309.4</u>	<u>300</u>	<u>32.16</u>
<u>10:06</u>	<u>22.2</u>	<u>7.38</u>	<u>1816</u>	<u>28</u>	<u>1.19</u>	<u>302.6</u>	<u>600</u>	<u>32.18</u>
<u>10:09</u>	<u>22.4</u>	<u>7.35</u>	<u>1818</u>	<u>26</u>	<u>1.12</u>	<u>303.1</u>	<u>900</u>	<u>32.18</u>
<u>10:12</u>	<u>22.4</u>	<u>7.33</u>	<u>1821</u>	<u>24</u>	<u>0.98</u>	<u>305.0</u>	<u>1200</u>	<u>32.18</u>
<u>10:15</u>	<u>22.5</u>	<u>7.31</u>	<u>1823</u>	<u>24</u>	<u>0.96</u>	<u>305.8</u>	<u>1500</u>	<u>32.18</u>
<u>10:18</u>	<u>22.5</u>	<u>7.31</u>	<u>1827</u>	<u>22</u>	<u>0.90</u>	<u>306.7</u>	<u>1800</u>	<u>32.18</u>

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: <u>1800ml</u>
Sampling Time: <u>10:20</u>	Sampling Date: <u>10-31-19</u>
Sample I.D.: <u>GMW-0-16</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 #: 19028-1A-1	Client: KMEP
Sampler: <i>GL</i>	Start Date: 10-30-19
Well I.D.: <i>GMW-0-17</i>	Well Diameter: 2 3 <input checked="" type="checkbox"/> 6 8
Total Well Depth: <i>31.40</i>	Depth to Water: Pre: <i>31.35</i> Post: <i>31.46</i>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <input checked="" type="checkbox"/> PVC Grade	Flow Cell Type: YSI 556

Purge Method: Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: *1226* Flow Rate: *100 mL/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
<i>1229</i>	<i>21.5</i>	<i>7.66</i>	<i>1965</i>	<i>108</i>	<i>231</i>	<i>228.4</i>	<i>300</i>	<i>31.45</i>
<i>1232</i>	<i>21.5</i>	<i>7.63</i>	<i>1973</i>	<i>86</i>	<i>1.88</i>	<i>217.6</i>	<i>600</i>	<i>31.46</i>
<i>1235</i>	<i>21.4</i>	<i>7.60</i>	<i>1977</i>	<i>79</i>	<i>1.64</i>	<i>212.9</i>	<i>900</i>	<i>31.46</i>
<i>1238</i>	<i>21.3</i>	<i>7.56</i>	<i>1989</i>	<i>74</i>	<i>1.61</i>	<i>206.8</i>	<i>1200</i>	<i>31.46</i>
<i>1241</i>	<i>21.3</i>	<i>7.53</i>	<i>1993</i>	<i>73</i>	<i>1.60</i>	<i>203.4</i>	<i>1500</i>	<i>31.46</i>
<i>1244</i>	<i>21.3</i>	<i>7.50</i>	<i>2000</i>	<i>69</i>	<i>1.58</i>	<i>198.7</i>	<i>1800</i>	<i>31.46</i>

Did well dewater? Yes No Amount actually evacuated: *1800 mL*

Sampling Time: *1245* Sampling Date: *10-30-19*

Sample I.D.: *GMW-0-17* Laboratory: Alpha Analytical

Analyzed for: TPHg TPHfp VOC's MTBE Other: *See C.O.C*

Equipment Blank I.D.: @ _____ Time Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>19028-BA-1</u>	Client: KMEP
Sampler: <u>GL</u>	Start Date: <u>10-31-19</u>
Well I.D.: <u>GMW-0-18</u>	Well Diameter: 2 3 <u>4</u> 6 8 _____
Total Well Depth: <u>37.50</u>	Depth to Water: Pre: <u>32.05</u> Post: <u>32.05</u>
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: 1334 Flow Rate: 200 L/min Pump Depth: 36'

Time	Temp. (Cor °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>1337</u>	<u>22.6</u>	<u>7.28</u>	<u>2999</u>	<u>7100</u>	<u>0.44</u>	<u>-207.1</u>	<u>300</u>	<u>33.01</u>
<u>1340</u>	<u>22.8</u>	<u>7.23</u>	<u>3000</u>	<u>101</u>	<u>0.32</u>	<u>-218.4</u>	<u>600</u>	<u>33.05</u>
<u>1343</u>	<u>22.8</u>	<u>7.20</u>	<u>3008</u>	<u>89</u>	<u>0.34</u>	<u>-220.6</u>	<u>900</u>	<u>33.05</u>
<u>1346</u>	<u>22.9</u>	<u>7.19</u>	<u>3012</u>	<u>87</u>	<u>0.30</u>	<u>-228.7</u>	<u>1200</u>	<u>33.05</u>
<u>1349</u>	<u>22.9</u>	<u>7.19</u>	<u>3013</u>	<u>81</u>	<u>0.29</u>	<u>-229.3</u>	<u>1500</u>	<u>33.05</u>

Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Amount actually evacuated: <u>1500 mL</u>
Sampling Time: <u>1350</u>	Sampling Date: <u>10-31-19</u>
Sample I.D.: <u>GMW-0-18</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 #: 191028-BM-1	Client: KMEP
Sampler: G61	Start Date: 10-31-19
Well I.D.: GIMW-0-19	Well Diameter: 2 3 ④ 6 8
Total Well Depth: 40.00	Depth to Water: Pre: 32.19 Post: 32.25
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>EV</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: 0920 Flow Rate: 1020 L/min Pump Depth: 38'

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
0903	22.0	7.56	2036	486	0.95	313.3	300	32.25
0906	22.1	7.53	2018	301	0.89	329.8	600	32.25
0909	22.1	7.49	2014	212	0.67	322.5	900	32.25
0912	22.1	7.44	2013	179	0.58	315.1	1200	32.25
0915	22.2	7.43	2014	173	0.55	312.6	1500	32.25
0918	22.2	7.41	2012	167	0.50	306.4	1800	32.25
							(roots present in the well)	

Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Amount actually evacuated: 1800ml
Sampling Time: 0920	Sampling Date: 10-31-19
Sample I.D.: GIMW-0-19	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See C.O.C
Equipment Blank I.D.: @	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 191028-BM1	Client: KMEP
Sampler: BM	Start Date: 11/1/19
Well I.D.: GMW-0-21	Well Diameter: 2 3 4 6 8
Total Well Depth: 42.10	Depth to Water: Pre: 23.00 Post: 33.11
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: 1347 Flow Rate: 200 ml/min Pump Depth: 37'

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
1350	27.6	7.16	1877	34	0.73	-109.3	600	33.11
1353	27.9	7.12	1876	29	0.67	-110.5	1200	33.11
1356	28.1	7.09	1869	25	0.65	-111.7	1800	33.11
1359	28.2	7.05	1857	22	0.62	-112.1	2400	33.11
1402	28.2	7.03	1853	21	0.61	-112.9	3000	33.11
1405	28.3	7.02	1850	20	0.58	-113.4	3600	33.11

Did well dewater? Yes No	Amount actually evacuated: 3600
Sampling Time: 1406	Sampling Date: 11/1/19
Sample I.D.: GMW-0-21	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: Gas Proc
Equipment Blank I.D.: @ <small>Time</small>	Duplicate I.D.: Dup-11

LOW FLOW WELL MONITORING DATA SHEET

Project #: <i>14W28-BM-1</i>	Client: KMEP
Sampler: <i>Gib</i>	Start Date: <i>10-31-19</i>
Well I.D.: <i>GMW-0-24</i>	Well Diameter: 2 3 ④ 6 8 _____
Total Well Depth: <i>3230</i>	Depth to Water: Pre: <i>Dry</i> Post: _____
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: _____ Flow Rate: *1.5 gpm* Pump Depth: _____

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
		<i>- Well is dry -</i>						

Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Amount actually evacuated: _____
Sampling Time: _____	Sampling Date: _____
Sample I.D.: _____	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE Other: _____	
Equipment Blank I.D.: _____ @ _____ Time	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 191028-B -1	Client: KMEP
Sampler: G19	Start Date: 10-29-19
Well I.D.: G19W-SF-7	Well Diameter: 2 3 <u>(4)</u> 6 8
Total Well Depth: 43.18	Depth to Water: Pre: 34.00 Post: 34.28
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: 10 1136 Flow Rate: 100ml/min Pump Depth: 39

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
1139	21.8	7.60	522	8	0.89	240.6	300	34.18
1142	22.0	7.54	518	9	0.72	246.8	600	34.26
1145	22.0	7.50	516	9	0.68	250.1	900	34.28
1148	22.2	7.48	521	7	0.64	256.4	1200	34.28
1151	22.2	7.44	518	6	0.61	259.1	1500	34.28
1154	22.1	7.43	517	6	0.60	260.0	1800	34.28

Did well dewater? Yes <input checked="" type="radio"/> No <input type="radio"/>	Amount actually evacuated: <u>1800ml</u>
Sampling Time: <u>1155</u>	Sampling Date: <u>10-29-19</u>
Sample I.D.: <u>G19W-SF-7</u>	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: <u>See C.O.C</u>
Equipment Blank I.D.: @ _____	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 191028-B-1	Client: KMEP
Sampler: GA	Start Date: 10-29-19
Well I.D.: GMW-SF-8	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 43.60	Depth to Water: Pre: 35.20 Post: 35.45
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: 1215 Flow Rate: 100 mL/min Pump Depth: 39'

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
1218	23.2	7.32	776	26	1.32	270.1	300	35.38
1221	23.3	7.30	781	18	1.27	273.5	600	35.43
1224	23.4	7.32	794	14	0.94	271.3	900	35.45
1227	23.8	7.32	767	16	0.92	267.2	1200	35.45
1230	23.8	7.32	765	15	0.89	265.4	1500	35.45
1233	23.7	7.32	760	15	0.88	263.8	1800	35.45

Did well dewater? Yes <u>No</u>	Amount actually evacuated: 1800 mL
Sampling Time: 1235	Sampling Date: 10-29-19
Sample I.D.: GMW-SF-8	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See CWC
Equipment Blank I.D.: @ <small>Time</small>	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>191028-1317-1</u>	Client: KMEP
Sampler: <u>CA</u>	Start Date: <u>11-1-19</u>
Well I.D.: <u>GW11-1A</u>	Well Diameter: 2 3 <u>4</u> 6 8 <u> </u>
Total Well Depth: <u>52.39</u>	Depth to Water: Pre: <u>37.24</u> Post: <u>37.33</u>
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: 0823 Flow Rate: 100 mL/min Pump Depth: 45'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>ml</u>)	Depth to water
0826	22.7	7.52	2609	780	1.97	-55.1	300	37.33
0829	23.0	7.27	2599	761	1.03	-89.9	600	37.33
0832	22.0	7.25	2612	745	0.85	-108.6	900	37.33
0835	21.9	7.23	2615	720	0.71	-113.4	1200	37.33
0838	21.8	7.21	2614	712	0.69	-116.6	1500	37.33
0841	21.8	7.20	2617	708	0.67	-120.1	1800	37.33

Did well dewater? Yes <input checked="" type="radio"/> No <input type="radio"/>	Amount actually evacuated: <u>1800 mL</u>
Sampling Time: <u>0842</u>	Sampling Date: <u>11-1-19</u>
Sample I.D.: <u>GW11-1B</u>	Laboratory: <u>Alpha Analytical</u>
Analyzed for: TPHg TPHfp VOC's MTBE	Other: <u>See C.O.C</u>
Equipment Blank I.D.: @ _____	Duplicate I.D.: <u>DUP-2</u>

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>191028-BM</u>	Client: KMEP
Sampler: <u>GG</u>	Start Date: <u>11-1-19</u>
Well I.D.: <u>HL-2</u>	Well Diameter: 2 3 (4) 6 8 <u> </u>
Total Well Depth: <u>39.11</u>	Depth to Water: Pre: <u>37.81</u> Post: <u>38.16</u>
Depth to Free Product: <u>39.11</u>	Thickness of Free Product (feet): <u> </u>
Referenced to: <u>RVG</u> Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump (Handpump)
 Sampling Method: Dedicated Tubing New Tubing Other barber

Start Purge Time: Flow Rate: Pump Depth: Handpump

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>0945</u>	<u>20.8</u>	<u>7.18</u>	<u>3483</u>	<u>7100</u>	<u>1.96</u>	<u>95.1</u>	<u>100ml</u>	<u>38.21</u>
<u>0948</u>	<u>20.9</u>	<u>7.07</u>	<u>3479</u>	<u>7100</u>	<u>1.66</u>	<u>95.4</u>	<u>200ml</u>	<u>38.67</u>
<u>0951</u>	<u>20.9</u>	<u>6.98</u>	<u>3468</u>	<u>7000</u>	<u>1.53</u>	<u>96.2</u>	<u>300ml</u>	<u>39.11</u>
			<u>-well</u>	<u>de-aerated @</u>	<u>3.5L</u>			
<u>1030</u>	<u>21.2</u>	<u>6.90</u>	<u>3448</u>	<u>7000</u>	<u>1.49</u>	<u>98.6</u>	<u> </u>	<u>00% = 38.07</u> <u>38.16</u>

Did well dewater? Yes No Amount actually evacuated: 3L

Sampling Time: 1030 Sampling Date: 11-1-19

Sample I.D.: HL-2 Laboratory: Alpha Analytical

Analyzed for: TPHg TPHfp VOC's MTBE Other: See C.O.C

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 191028-BM1	Client: KMEP
Sampler: BM	Start Date: 10/30/19
Well I.D.: HL-3	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 41.52	Depth to Water: Pre: 37.77 Post: 37.35
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: 0817 Flow Rate: 150gal/min Pump Depth: 41'

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
0820	20.6	7.30	1742	64	1.09	-70.3	450	37.35
0823	21.0	7.18	1756	57	0.94	-73.5	900	37.35
0826	21.2	7.14	1761	55	0.87	-75.7	1350	37.35
0829	21.3	7.12	1766	54	0.83	-76.2	1800	37.35
0832	21.5	7.11	1764	54	0.79	-77.8	2250	37.35

Did well dewater? Yes <u>No</u>	Amount actually evacuated: 2256
Sampling Time: 0833	Sampling Date: 10/30/19
Sample I.D.: HL-3	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: <u>See LOC</u>
Equipment Blank I.D.: @	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 191028-BM	Client: KMEP
Sampler: BM	Start Date: 10/29/19
Well I.D.: MW-6	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 52.02	Depth to Water: Pre: 36.77 Post: 36.96
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: 1153 Flow Rate: 100 ml/min Pump Depth: 47

Time	Temp. (Cor °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
1156	22.9	6.84	2133	18	1.59	-83.4	600	36.96
1159	23.0	6.87	2128	15	1.45	-84.3	1200	36.96
1702	23.1	6.88	2121	14	1.36	-85.0	1800	36.96
1705	23.2	6.84	2125	14	1.27	-86.2	2400	36.96
1708	23.2	6.87	2112	14	1.21	-86.9	3000	36.96

Did well dewater? Yes Amount actually evacuated: 3000

Sampling Time: 1704 Sampling Date: 10/29/19

Sample I.D.: MW-6 Laboratory: Alpha Analytical

Analyzed for: TPHg TPHfp VOC's MTBE Other: Sox Cr. Cr.

Equipment Blank I.D.: @ _____ Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 191028-BM1	Client: KMEP
Sampler: BM	Start Date: 10/29/19
Well I.D.: MW-7	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 53.51	Depth to Water: Pre: 38.16 Post: 38.22
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: 1447 Flow Rate: 200 mL/min Pump Depth: 51

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
1450	22.6	7.09	2532	31	0.99	-89.0	600	38.22
1454	23.1	7.08	2558	27	0.76	-90.1	1200	38.22
1456	23.3	7.06	2595	26	0.65	-90.4	1800	38.22
1459	23.4	7.08	2605	26	0.61	-90.7	2400	38.22
1502	23.5	7.07	2610	26	0.59	-91.0	3000	38.22

Did well dewater? Yes No Amount actually evacuated: 3000

Sampling Time: ~~MW-7~~ 1503 Sampling Date: 10/29/19

Sample I.D.: MW-7 Laboratory: Alpha Analytical

Analyzed for: TPHg TPHfp VOC's MTBE Other: See C.O.C

Equipment Blank I.D.: @ _____ Time Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 191028-037-1	Client: KMEP
Sampler: 66	Start Date: 10-31-19
Well I.D.: MW-8	Well Diameter: 2 3 (4) 6 8
Total Well Depth: 50.47	Depth to Water: Pre: 32.13 Post: 32.18
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: 0801 Flow Rate: 100 ml/min Pump Depth: 45'

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
0804	22.4	7.89	799	19	2.14	314.8	300	32.18
0807	22.4	7.85	791	11	1.88	308.0	600	32.18
0810	22.3	7.82	786	12	1.76	300.9	900	32.18
0813	22.3	7.80	781	11	1.71	297.1	1200	32.18
0816	22.4	7.79	774	11	1.68	291.4	1500	32.18
0819	22.3	7.77	770	10	1.64	289.6	1800	32.18

Did well dewater? Yes No Amount actually evacuated: 1800 mL

Sampling Time: 0820 Sampling Date: 10-31-19

Sample I.D.: MW-8 Laboratory: Alpha Analytical

Analyzed for: TPHg TPHfp VOC's MTBE Other: See C.O.C

Equipment Blank I.D.: @ _____ Time Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>MW28-B1-1</u>	Client: KMEP
Sampler: <u>G₉</u>	Start Date: <u>10-30-19</u>
Well I.D.: <u>MW-9</u>	Well Diameter: 2 3 <u>(4)</u> 6 8
Total Well Depth: <u>52.00</u>	Depth to Water: Pre: <u>35.25</u> Post: <u>35.33</u>
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: 1016 Flow Rate: Wm/Min Pump Depth: 47'

Time	Temp. (<u>C</u> or °F)	pH	Cond. (mS/cm or <u>µS/cm</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>liters</u>)	Depth to water
<u>1019</u> <u>1018</u>	<u>23.0</u>	<u>7.49</u>	<u>1539</u>	<u>98</u>	<u>0.88</u>	<u>63.1</u>	<u>300</u>	<u>35.28</u>
<u>1022</u>	<u>23.1</u>	<u>7.40</u>	<u>1532</u>	<u>81</u>	<u>0.61</u>	<u>28.4</u>	<u>600</u>	<u>35.31</u>
<u>1025</u>	<u>23.1</u>	<u>7.38</u>	<u>1529</u>	<u>76</u>	<u>0.43</u>	<u>1.8</u>	<u>900</u>	<u>35.33</u>
<u>1028</u>	<u>23.3</u>	<u>7.38</u>	<u>1526</u>	<u>70</u>	<u>0.20</u>	<u>-18.4</u>	<u>1200</u>	<u>35.33</u>
<u>1031</u>	<u>23.3</u>	<u>7.37</u>	<u>1518</u>	<u>66</u>	<u>0.18</u>	<u>-19.2</u>	<u>1500</u>	<u>35.33</u>
<u>1034</u>	<u>23.3</u>	<u>7.37</u>	<u>1523</u>	<u>64</u>	<u>0.16</u>	<u>-21.6</u>	<u>1800</u>	<u>35.33</u>

Did well dewater? Yes No Amount actually evacuated: 1800 L

Sampling Time: 1035 Sampling Date: 10-30-19

Sample I.D.: MW-9 Laboratory: Alpha Analytical

Analyzed for: TPHg TPHfp VOC's MTBE Other: See C.O.C

Equipment Blank I.D.: @ _____ Time Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 191025-B-21	Client: KMEP
Sampler: BM	Start Date: 10/22/19
Well I.D.: MW-12	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 91.21	Depth to Water: Pre: 36.14 Post: 36.35
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: 1329 Flow Rate: 300 ml/min Pump Depth: 471

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
1327	23.1	7.27	1078	5	3.25	60.4	900	36.34
1330	22.9	7.15	1106	4	2.60	52.1	1800	36.35
1333	22.7	7.10	1114	4	2.45	50.0	2700	36.35
1336	22.6	7.07	1120	4	2.37	48.7	3600	36.35
1339	22.5	7.05	1123	4	2.31	46.9	4500	36.35

Did well dewater? Yes No Amount actually evacuated: 4500

Sampling Time: 1340 Sampling Date: 10/22/19

Sample I.D.: MW-12 Laboratory: Alpha Analytical

Analyzed for: TPHg TPHfp VOC's MTBE Other: Free C.O.C

Equipment Blank I.D.: @ _____ Time Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 191028-B7-1	Client: KMEP
Sampler: G6	Start Date: 10-30-19
Well I.D.: MW-15B	Well Diameter: 2 3 (4) 6 8
Total Well Depth: 52.25	Depth to Water: Pre: 35.00 Post: 35.10
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: 0750 Flow Rate: 100ml/min Pump Depth: 47'

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
0753	22.4	6.78	1324	8	0.84	232.6	300	35.12
0756	22.5	6.78	1332	6	0.74	216.8	600	35.10
0759	22.4	6.83	1331	3	0.52	163.2	900	35.10
0802	22.3	6.88	1333	3	0.50	158.7	1200	35.10
0805	22.3	6.90	1336	2	0.49	155.4	1500	35.10

Did well dewater? Yes <input checked="" type="radio"/> No <input type="radio"/>	Amount actually evacuated: 1500ml
Sampling Time: 0806	Sampling Date: 10-30-19
Sample I.D.: MW-15B	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See C.O.C
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 14028-BM	Client: KMEP
Sampler: BM	Start Date: 10/31/19
Well I.D.: MW-1B (MFD)	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 6538	Depth to Water: Pre: 40.42 Post: 40.57
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: 1109 Flow Rate: 300 ml/min Pump Depth: 60'

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
1112	25.0	6.94	1899	4	1.92	-84.8	900	40.56
1115	25.3	6.84	1899	4	1.38	-85.2	1800	40.57
1118	25.6	6.81	1892	3	1.13	-85.7	2700	40.57
1121	25.8	6.79	1889	3	1.02	-86.2	3600	40.57
1124	25.9	6.79	1885	3	0.96	-87.0	4500	40.57
1127	25.9	6.78	1886	3	0.91	-87.9	5400	40.57

Did well dewater? Yes No Amount actually evacuated: 5400

Sampling Time: 1128 Sampling Date: 10/31/19

Sample I.D.: MW-1B (MFD) Laboratory: Alpha Analytical

Analyzed for: TPHg TPHfp VOC's MTBE Other: See L.O.C

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 191028-BM1	Client: KMEP
Sampler: BM	Start Date: 10/29/19
Well I.D.: 4" (MID)	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 61.90	Depth to Water: Pre: 41.18 Post: 41.36
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: 1401 Flow Rate: 100 ml/min Pump Depth: 57'

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
1404	22.2	7.08	2230	1	1.79	-87.8	300	41.29
1407	22.3	7.07	2234	1	1.38	-84.2	600	41.30
1410	22.5	7.09	2215	1	1.20	-85.2	900	41.30
1413	22.7	7.09	2206	1	1.23	-85.7	1200	41.30
1416	23.0	7.10	2191	1	1.21	-86.0	1500	41.30
1419	23.2	7.10	2199	1	1.20	-86.5	1800	41.30
1422	23.0	7.10	2186	1	1.20	-86.9	2100	41.30
1425	22.9	7.11	2177	1	1.19	-87.3	2400	41.36

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 2400
Sampling Time: 1426	Sampling Date: 10/29/19
Sample I.D.: M-1A (MID)	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See C.O.C
Equipment Blank I.D.: @ _____	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 191028-32	Client: KMEP
Sampler: 3m	Start Date: 10/29/17
Well I.D.: Mw-20 (M10)	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 66.66	Depth to Water: Pre: 39.30 Post: 39.39
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: 1112 Flow Rate: 300 ml/min Pump Depth: 52

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
1115	22.7	6.94	2371	7	0.53	-84.1	300	39.39
1118	22.5	6.97	2364	5	0.47	-86.5	600	39.39
1121	22.4	6.99	2357	4	0.43	-88.7	900	39.39
1124	22.5	7.01	2381	4	0.41	-89.5	1200	39.39
1127	22.5	7.02	2386	4	0.40	-90.2	1500	39.39
1130	22.6	7.05	2393	4	0.39	-91.0	1800	39.39
1133	22.6	7.04	2387	4	0.39	-91.7	2100	39.39

Did well dewater? Yes <u>No</u>	Amount actually evacuated: 2100
Sampling Time: 1134	Sampling Date: 10/29/17
Sample I.D.: Mw-20 (M10)	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: <u>Cre Cont</u>
Equipment Blank I.D.: @	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 191024-BM	Client: KMEP
Sampler: BM	Start Date: 10/30/19
Well I.D.: MW-21 (MTD)	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 61.51	Depth to Water: Pre: 37.93 Post: 38.07
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: 0739 Flow Rate: 200 ml/min Pump Depth: 57'

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
0742	21.7	7.39	1721	3	1.32	-71.4	600	38.07
0745	22.1	7.26	1728	3	0.81	-74.1	1200	38.07
0748	22.3	7.19	1711	3	0.76	-75.8	1800	38.07
0751	22.5	7.16	1716	3	0.69	-76.9	2400	38.07
0754	22.6	7.14	1702	2	0.61	-78.0	3000	38.07

Did well dewater? Yes No Amount actually evacuated: 3000

Sampling Time: 0755 Sampling Date: 10/30/19

Sample I.D.: MW-21 (MTD) Laboratory: Alpha Analytical

Analyzed for: TPHg TPHfp VOC's MTBE Other: See C.O.C

Equipment Blank I.D.: @ Time Duplicate I.D.: DUP-1

LOW FLOW WELL MONITORING DATA SHEET

Project #: 191028-BM1	Client: KMEP
Sampler: BM	Start Date: 10/28/19
Well I.D.: MW-0-2	Well Diameter: 2 3 4 6 8 _____
Total Well Depth:	Depth to Water: Pre: _____ Post: _____
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: _____ Flow Rate: _____ Pump Depth: _____

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
— OBSTRUCTION IN WELL								
— UNABLE TO GAUGE OR SAMPLE								
— NO SAMPLE COLLECTED								

Did well dewater? Yes No	Amount actually evacuated: _____
Sampling Time: _____	Sampling Date: _____
Sample I.D.: _____	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: _____
Equipment Blank I.D.: _____ @ _____ Time	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 191020-841	Client: KMEP
Sampler: 84	Start Date: 10/31/19
Well I.D.: MW-5F-1	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 40.79	Depth to Water: Pre: 39.41 Post: 39.65
Depth to Free Product: -	Thickness of Free Product (feet): -
Referenced to: PVC Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump Disposable Bubbler Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other Disposable Bubbler
 Start Purge Time: 0814 Flow Rate: $1.38 \times 0.65 = 0.89$ \rightarrow 1 case volume Pump Depth: _____
 Flow Rate: $0.89 \times 3 = 2.69$

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
				80% recovery = 39.69				
0819	25.0	7.61	2674	732	1.78	-55.7	1	
0825	25.2	7.48	2691	7100	1.50	-57.3	2	
0830	25.3	7.43	2699	7100	1.43	-58.8	3	

Did well dewater? Yes <input checked="" type="radio"/> No <input type="radio"/>	Amount actually evacuated: 3 Gallons
Sampling Time: 0845	Sampling Date: 10/31/19
Sample I.D.: MW-5F-1	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See Co.C
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>161028-241</u>	Client: KMEP
Sampler: <u>BM</u>	Start Date: <u>10/31/19</u>
Well I.D.: <u>MW-SF-4</u>	Well Diameter: 2 3 <u>4</u> 6 8 _____
Total Well Depth: <u>40.27</u>	Depth to Water: Pre: <u>39.75</u> Post: <u>39.86</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 Disposable Bailey Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other Disposable Pump
 Start Purge Time: 0730 Flow Rate: 0.52 x 0.65 = 0.33 → 1 case volume Pump Depth: _____

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
				<u>> recharge =</u>		<u>39.85</u>		
<u>0743</u>	<u>20.8</u>	<u>8.08</u>	<u>2963</u>	<u>71000</u>	<u>1.34</u>	<u>27.1</u>	<u>0.5</u>	
<u>0746</u>	<u>20.9</u>	<u>7.97</u>	<u>2968</u>	<u>71000</u>	<u>1.26</u>	<u>25.6</u>	<u>0.5</u>	
<u>0754</u>	<u>20.9</u>	<u>7.93</u>	<u>2972</u>	<u>71000</u>	<u>1.23</u>	<u>24.4</u>	<u>0.5</u>	

Did well dewater? Yes <input checked="" type="radio"/> No <input type="radio"/>	Amount actually evacuated: <u>1.5 Gallons</u>
Sampling Time: <u>0856</u>	Sampling Date: <u>10/31/19</u>
Sample I.D.: <u>MW-SF-4</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>	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 1A1028-B41	Client: KMEP
Sampler: 2m	Start Date: 10/31/19
Well I.D.: MW-SF-6	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 41.10	Depth to Water: Pre: 37.41 Post: 37.51
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: 10 22 Flow Rate: 100 ml/min Pump Depth: 40'

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
1028	25.7	7.13	3450	133	0.29	-128.7	300	37.50
1029	26.8	7.09	3361	110	0.25	-130.5	600	37.51
1031	27.4	7.07	3342	96	0.22	-133.1	900	37.51
1034	27.7	7.05	1337	92	0.20	-135.2	1200	37.51
1037	27.9	7.04	1333	86	0.19	-136.8	1500	37.51
1040	28.2	7.03	1324	84	0.18	-137.9	1800	37.51

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 1800
Sampling Time: 1041	Sampling Date: 10/31/19
Sample I.D.: MW-SF-6	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: Sme Co. C
Equipment Blank I.D.: @ <small>Time</small>	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 191028-BM1	Client: KMEP
Sampler: BM	Start Date: 10/28/19
Well I.D.: MW-SF-9	Well Diameter: 2 3 4 6 8
Total Well Depth:	Depth to Water: Pre: Post:
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: _____ Flow Rate: _____ Pump Depth: _____

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

Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Amount actually evacuated:
Sampling Time:	Sampling Date:
Sample I.D.:	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other:
Equipment Blank I.D.:	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 191028-BL1	Client: KMEP
Sampler: B _n	Start Date: 11/1/19
Well I.D.: MW-SF-13	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 38.72	Depth to Water: Pre: 33.76 Post: 33.88
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: 0740 Flow Rate: 100 ml/min Pump Depth: 37'

Time	Temp. (<u>C</u> 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
0751	24.1	7.42	2877	23	685	-179.4	300	33.87
0754	24.9	7.25	2884	20	0.77	-181.2	600	33.87
0757	25.2	7.19	2862	17	0.71	-182.7	900	33.88
0800	25.5	7.14	2854	15	0.65	-183.5	1200	33.88
0803	25.7	7.11	2847	16	0.63	-184.9	1500	33.88
0806	25.9	7.09	2841	16	0.60	-186.2	1800	33.88

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 1800
Sampling Time: 0807	Sampling Date: 11/1/19
Sample I.D.: MW-SF-13	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See C.O.C
Equipment Blank I.D.: @ _____	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 191028-BM1	Client: KMEP
Sampler: BM	Start Date: 10/28/19
Well I.D.: MW-SF-14	Well Diameter: 2 3 (4) 6 8
Total Well Depth: 36.07	Depth to Water: Pre: Dry Post:
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: _____ Flow Rate: _____ Pump Depth: _____

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
— well dry No sample taken —								

Did well dewater? Yes No Amount actually evacuated: _____
 Sampling Time: _____ Sampling Date: _____
 Sample I.D.: _____ Laboratory: Alpha Analytical
 Analyzed for: TPHg TPHfp VOC's MTBE Other: _____
 Equipment Blank I.D.: _____ @ _____ Time Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 1A1026-BM	Client: KMEP
Sampler: BM	Start Date: 10/31/19
Well I.D.: MW-SF-15	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 63.70	Depth to Water: Pre: 38.92 Post: 38.95
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: 0931 Flow Rate: 700 ml/min Pump Depth: 42'

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
0934	25.9	7.24	2122	12	0.98	-80.3	600	38.94
0937	26.0	7.17	2123	11	0.85	-83.8	1200	38.94
0940	26.1	7.14	2124	11	0.81	-84.7	1800	38.95
0943	26.2	7.12	2126	10	0.77	-85.4	2400	38.95
0946	26.4	7.11	2123	10	0.72	-87.1	3000	38.95
0949	26.5	7.11	2122	9	0.69	-88.3	3600	38.95

Did well dewater? Yes <u>No</u>	Amount actually evacuated: 3600
Sampling Time: 0950	Sampling Date: 10/31/19
Sample I.D.: MW-SF-15	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: <u>see I-0-C</u>
Equipment Blank I.D.: @ _____	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 191028-B21	Client: KMEP
Sampler: BM	Start Date: 10/31/19
Well I.D.: RW-3	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 49.59	Depth to Water: Pre: 34.06 Post: 34.21
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: 1445 Flow Rate: 300 mL/min Pump Depth: 49'

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
1448	22.7	7.12	2128	173	1.09	-97.6	900	34.21
1451	23.0	7.11	2131	156	0.89	-97.2	1800	34.21
1454	23.2	7.10	2128	127	0.89	-99.1	2700	34.21
1457	23.5	7.10	2134	115	0.82	-101.5	3600	34.21
1500	23.7	7.09	2136	111	0.80	-103.1	4500	34.21
1503	24.0	7.08	2133	108	0.80	-104.7	5400	34.21

Did well dewater? Yes No Amount actually evacuated: 5400

Sampling Time: 1504 Sampling Date: 10/31/19

Sample I.D.: RW-3 Laboratory: Alpha Analytical

Analyzed for: TPHg TPHfp VOC's MTBE Other: See COC

Equipment Blank I.D.: @ _____ Time Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 191028- B-1	Client: KMEP
Sampler: BM	Start Date: 10/30/19
Well I.D.: P2-2	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 46.66	Depth to Water: Pre: 34.58 Post: 34.64
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: 1510 Flow Rate: 100 ml/min Pump Depth: 44'

Time	Temp. (<u>C</u> 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
1513	24.2	7.17	1723	52	1.12	-98.5	300	34.64
1516	24.3	7.11	1720	45	0.87	-99.7	600	34.64
1519	24.1	7.05	1712	41	0.72	-100.2	900	34.64
1522	24.3	7.02	1709	37	0.67	-100.7	1200	34.64
1525	24.5	6.98	1705	38	0.61	-100.1	1500	34.64
1528	24.6	6.95	1710	35	0.57	-101.3	1800	34.64
1531	24.6	6.94	1701	36	0.55	-101.7	2100	34.64

Did well dewater? Yes No Amount actually evacuated: 2100

Sampling Time: 1532 Sampling Date: 10/30/19

Sample I.D.: P2-2 Laboratory: Alpha Analytical

Analyzed for: TPHg TPHfp VOC's MTBE Other: See (o.c)

Equipment Blank I.D.: @ _____ Time _____ Duplicate I.D.: DUP-6

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141028-01-1	Client: KMEP
Sampler: G26	Start Date: 10-31-19
Well I.D.: PZ-5	Well Diameter: 2 3 4 6 8
Total Well Depth: 37.00	Depth to Water: Pre: 32.39 Post: 32.50
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: 1412 Flow Rate: 1.0 L/min Pump Depth: 36.5'

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
1415	21.7	7.43	2510	33	1.92	-88.4	300	32.44
1418	21.8	7.41	2526	18	1.63	-91.6	600	32.48
1421	22.0	7.39	2541	12	1.55	-109.4	900	32.50
1424	22.0	7.34	2549	10	1.43	-120.5	1200	32.50
1427	22.0	7.33	2550	10	1.39	-126.2	1500	32.50
1430	22.0	7.33	2557	9	1.38	-129.0	1800	32.50

Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Amount actually evacuated: 1800 mL
Sampling Time: 1433	Sampling Date: 10-31-19
Sample I.D.: PZ-5	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.: DUP-5 @ same time

LOW FLOW WELL MONITORING DATA SHEET

Project #: LA1028-BM1	Client: KMEP
Sampler: BM	Start Date: 10/28/09
Well I.D.: 92-10	Well Diameter: 2 <u>3</u> 4 6 8
Total Well Depth: 27.81	Depth to Water: Pre: Dry Post:
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: _____ Flow Rate: _____ Pump Depth: _____

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
— Well Dry, No Sample Taken —								

Did well dewater? Yes No Amount actually evacuated: _____
 Sampling Time: _____ Sampling Date: _____
 Sample I.D.: _____ Laboratory: Alpha Analytical
 Analyzed for: TPHg TPHfp VOC's MTBE Other: _____
 Equipment Blank I.D.: _____ @ _____ Time Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 19020-B41	Client: KMEP
Sampler: <u>EM</u>	Start Date: 10/30/19
Well I.D.: <u>WCV-2</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: <u>52.23</u>	Depth to Water: Pre: <u>35.02</u> Post: <u>35.12</u>
Depth to Free Product: <u>—</u>	Thickness of Free Product (feet): <u>—</u>
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: 1346 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 <u>ml</u>)	Depth to water
1349	20.6	7.57	2198	28	0.57	-83.2	600	35.12
1352	20.8	7.53	2234	24	0.52	-84.4	1200	35.12
1355	20.9	7.51	2241	20	0.50	-85.0	1800	35.12
1358	21.1	7.50	2249	18	0.47	-85.9	2400	35.12
1401	21.0	7.50	2256	18	0.48	-86.2	3000	35.12
1404	21.0	7.44	2258	18	0.45	-87.1	3600	35.12

Did well dewater? Yes No Amount actually evacuated: 3600

Sampling Time: 1405 Sampling Date: 10/30/19

Sample I.D.: WCV-2 Laboratory: Alpha Analytical

Analyzed for: TPHg TPHfp VOC's MTBE Other: Sox Cd/C

Equipment Blank I.D.: @ _____ Duplicate I.D.: _____
Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>W1028-BM1</u>	Client: KMEP
Sampler: <u>BM</u>	Start Date: <u>10/30/19</u>
Well I.D.: <u>W1W-3</u>	Well Diameter: 2 3 <u>4</u> 6 8 <u> </u>
Total Well Depth: <u>50.61</u>	Depth to Water: Pre: <u>35.98</u> Post: <u>36.09</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: 1307 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
1310	20.9	7.10	2257	19	1.71	-88.7	600	36.09
1313	21.1	7.13	2211	15	1.30	-92.1	1200	36.09
1316	21.2	7.10	2186	13	0.99	-95.9	1800	36.09
1319	21.3	7.08	2193	11	0.74	-96.8	2400	36.09
1322	21.5	7.07	2202	10	0.61	-97.9	3000	36.09
1325	21.6	7.06	2189	10	0.55	-98.5	3600	36.09

Did well dewater? Yes No Amount actually evacuated: 3600

Sampling Time: 1326 Sampling Date: 10/30/19

Sample I.D.: W1W-3 Laboratory: Alpha Analytical

Analyzed for: TPHg TPHfp VOC's MTBE Other: See LOC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 191028-B21	Client: KMEP
Sampler: BA	Start Date: 10/30/19
Well I.D.: wew-4	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 51.72	Depth to Water: Pre: 38.03 Post: 38.10
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: 1229 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
1232	20.9	7.32	2841	11	0.76	-78.3	600	38.10
1235	21.1	7.19	2869	9	0.57	-83.2	1200	38.10
1238	21.2	7.14	2874	7	0.51	-85.4	1800	38.10
1241	21.2	7.12	2888	7	0.47	-86.9	2400	38.10
1244	21.2	7.11	2896	6	0.45	-88.3	3000	38.10

Did well dewater? Yes No Amount actually evacuated: 3000

Sampling Time: 1245 Sampling Date: 10/30/19

Sample I.D.: wew-4 Laboratory: Alpha Analytical

Analyzed for: TPHg TPHfp VOC's MTBE Other: see col

Equipment Blank I.D.: @ _____ Duplicate I.D.: _____
Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: LA1028-BM1	Client: KMEP
Sampler: 8M	Start Date: 10/31/19
Well I.D.: WCV-5	Well Diameter: 2 3 4 6 8
Total Well Depth: 50.19	Depth to Water: Pre: 33.28 Post: 33.49
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: 1401 Flow Rate: 200 ml/min Pump Depth: 45'

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
1404	24.3	7.18	2391	31	0.63	-80.2	600	33.47
1407	24.6	7.16	2399	27	0.39	-90.6	1200	33.48
1410	24.8	7.15	2390	25	0.33	-92.8	1800	33.48
1413	24.9	7.15	2396	22	0.30	-94.1	2400	33.48
1416	25.1	7.15	2397	21	0.28	-96.2	3000	33.48
1419	25.0	7.14	2399	21	0.25	-97.5	3600	33.49

Did well dewater? Yes No	Amount actually evacuated: 3600
Sampling Time: 1420	Sampling Date: 10/31/19
Sample I.D.: WCV-5	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: Set C.O.C
Equipment Blank I.D.: @ <small>Time</small>	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 191028-BM1	Client: KMEP
Sampler: BM	Start Date: 10/30/19
Well I.D.: WCV-6	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 41.92	Depth to Water: Pre: 35.15 Post: 35.24
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: 1427 Flow Rate: 100 ml/min Pump Depth: 46

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
1430	21.2	7.00	2394	99	0.68	-93.3	300	35.23
1433	21.3	6.97	2411	104	0.64	-94.4	600	35.24
1436	21.3	6.96	2419	87	0.62	-95.1	900	35.24
1439	21.4	6.96	2427	79	0.61	-95.8	1200	35.24
1442	21.5	6.96	2431	72	0.60	-96.2	1500	35.24
1445	21.5	6.95	2438	70	0.58	-97.0	1800	35.24
1448	21.6	6.94	2440	67	0.57	-97.5	2100	35.24

Did well dewater? Yes No Amount actually evacuated: 2100

Sampling Time: 1449 Sampling Date: 10/30/19

Sample I.D.: WCV-6 Laboratory: Alpha Analytical

Analyzed for: TPHg TPHfp VOC's MTBE Other: See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 191028-BM1	Client: KMEP
Sampler: BM	Start Date: 10/31/19
Well I.D.: WCV-7	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 49.21	Depth to Water: Pre: 35.97 Post: 36.12
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: 1313 Flow Rate: 150 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
1316	22.9	7.18	4021	267	0.58	-63.7	450	36.12
1319	23.6	7.12	4036	241	0.42	-68.1	900	36.12
1322	23.8	7.09	4033	219	0.36	-70.7	1350	36.12
1325	23.9	7.07	4042	201	0.31	-72.5	1800	36.12
1328	24.1	7.04	4046	196	0.27	-75.1	2250	36.12
1331	24.2	7.02	4048	183	0.25	-76.8	2700	36.12

Did well dewater? Yes No Amount actually evacuated: 2200

Sampling Time: 1332 Sampling Date: 10/31/19

Sample I.D.: WCV-7 Laboratory: Alpha Analytical

Analyzed for: TPHg TPHfp VOC's MTBE Other: see CFC

Equipment Blank I.D.: @ _____ Duplicate I.D.: _____
Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 191028-BM1	Client: KMEP
Sampler: BM	Start Date: 10/31/19
Well I.D.: WCV-8	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 51.59	Depth to Water: Pre: 37.20 Post: 27.35
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: 1230 Flow Rate: 150 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 <u>ml</u>)	Depth to water
1233	22.9	7.14	2663	42	0.79	-91.8	950	37.35
1236	23.1	7.09	2672	39	0.74	-93.4	900	37.35
1239	23.2	7.07	2678	29	0.71	-94.6	1350	37.35
1242	23.4	7.08	2683	25	0.68	-95.1	1800	37.35
1245	23.5	7.09	2690	24	0.67	-95.7	2250	37.35
1248	23.5	7.09	2688	23	0.65	-96.2	2700	37.35

Did well dewater? Yes <u>No</u>	Amount actually evacuated: 2700
Sampling Time: <u>1248</u>	Sampling Date: 10/31/19
Sample I.D.: WCV-8	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See 100
Equipment Blank I.D.: @	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>19028-BM1</u>	Client: KMEP
Sampler: <u>BM</u>	Start Date: <u>10/30/19</u>
Well I.D.: <u>Wcw-12</u>	Well Diameter: 2 3 <u>(A)</u> 6 8 _____
Total Well Depth: <u>56.65</u>	Depth to Water: Pre: <u>36.51</u> Post: <u>36.61</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: 10:19 Flow Rate: 300 ml/min Pump Depth: 52'

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
1022	20.9	7.26	1768	407	0.63	-87.3	400	36.61
1025	21.5	7.34	1784	351	0.57	-87.1	1800	36.61
1028	21.7	7.28	1788	306	0.55	-88.2	2700	36.61
1031	21.9	7.25	1791	264	0.53	-89.4	3600	36.61
1034	22.1	7.23	1796	251	0.52	-90.7	4500	36.61
1037	22.2	7.22	1795	242	0.50	-91.9	5400	36.61

Did well dewater? Yes <u>(No)</u>	Amount actually evacuated: <u>5400</u>
Sampling Time: <u>1038</u>	Sampling Date: <u>10/30/19</u>
Sample I.D.: <u>Wcw-12</u>	Laboratory: <u>Alpha Analytical</u>
Analyzed for: <u>TPHg TPHfp VOC's MTBE</u>	Other: <u>See P.O.C</u>
Equipment Blank I.D.: <u>@</u>	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 191028-B41	Client: KMEP
Sampler: BA	Start Date: 10/30/19
Well I.D.: WCU-13	Well Diameter: 2 3 4 6 8
Total Well Depth: 60.38	Depth to Water: Pre: 38.13 Post: 38.20
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: 0941 Flow Rate: 200 ml/min Pump Depth: 55'

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
0944	20.2	7.53	1846	26	0.96	-77.1	600	38.19
0947	20.3	7.47	1872	31	0.89	-78.3	1200	38.20
0950	20.6	7.44	1903	27	0.84	-79.5	1800	38.20
0953	20.8	7.42	1927	24	0.80	-80.2	2400	38.20
0956	20.9	7.39	1936	24	0.76	-81.6	3000	38.20
0959	20.8	7.38	1941	23	0.75	-82.3	3600	38.20

Did well dewater? Yes No Amount actually evacuated: 3600

Sampling Time: 1000 Sampling Date: 10/30/19

Sample I.D.: WCU-13 Laboratory: Alpha Analytical

Analyzed for: TPHg TPHfp VOC's MTBE Other: Sez Co.C

Equipment Blank I.D.: @ _____ Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>191020-841</u>	Client: KMEP
Sampler: <u>RM</u>	Start Date: <u>10/30/19</u>
Well I.D.: <u>WCW-14</u>	Well Diameter: 2 3 <u>4</u> 6 8 <u> </u>
Total Well Depth: <u>58.20</u>	Depth to Water: Pre: <u>39.20</u> Post: <u>39.35</u>
Depth to Free Product: <u>—</u>	Thickness of Free Product (feet): <u>—</u>
Referenced to: <u>PVC</u> <u>Grade</u>	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: 1109 Flow Rate: 200 ml/min Pump Depth: 52'

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
1112	21.6	7.34	1844	21	1.12	-78.0	600	39.35
1115	22.1	7.30	1857	17	0.91	-80.2	1200	39.35
1118	22.3	7.29	1861	15	0.75	-81.9	1800	39.35
1121	22.3	7.28	1863	14	0.67	-83.1	2400	39.35
1124	22.4	7.27	1866	14	0.63	-84.2	3000	39.35

Did well dewater? Yes No Amount actually evacuated: 3000

Sampling Time: 1125 Sampling Date: 10/30/19

Sample I.D.: WCW-14 Laboratory: Alpha Analytical

Analyzed for: TPHg TPHfp VOC's MTBE Other: See P.O.C

Equipment Blank I.D.: @ Time Duplicate I.D.:

APPENDIX B

LABORATORY REPORTS (CD ROM ONLY)



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

November 21, 2019

Neil Irish

The Source Group, Inc. (SH)
1962 Freeman Ave.
Signal Hill, CA 90755

**Re : DFSP Norwalk GW Sampling / 04-NDLA-013
A5333187 / 9J29011**

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 10/29/19 18:29 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 black ink, appearing to be 'V. Vasile', written in a cursive style.

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
<u>8260B+OXY+TPHG</u>					
QCTB-1	9J29011-01	Water	5	10/28/19 06:00	10/29/19 18:29
QCEB-1	9J29011-02	Water	5	10/28/19 08:00	10/29/19 18:29
QCEB-1	9J29011-17	Water	5	10/29/19 07:30	10/29/19 18:29
<u>8260B+OXYGENATES</u>					
GMW-63	9J29011-03	Water	5	10/28/19 08:50	10/29/19 18:29
GMW-64	9J29011-04	Water	5	10/28/19 09:30	10/29/19 18:29
GMW-65	9J29011-05	Water	5	10/28/19 10:20	10/29/19 18:29
GMW-67	9J29011-06	Water	5	10/28/19 11:00	10/29/19 18:29
GMW-69	9J29011-07	Water	5	10/28/19 11:40	10/29/19 18:29
GMW-62	9J29011-08	Water	5	10/28/19 12:20	10/29/19 18:29
DUP-1	9J29011-09	Water	5	10/28/19 00:00	10/29/19 18:29
EXP-2	9J29011-10	Water	5	10/29/19 08:20	10/29/19 18:29
GW-3	9J29011-11	Water	5	10/29/19 09:00	10/29/19 18:29
GMW-31	9J29011-12	Water	5	10/29/19 09:45	10/29/19 18:29
GMW-42	9J29011-13	Water	5	10/29/19 10:25	10/29/19 18:29
GMW-44	9J29011-14	Water	5	10/29/19 11:05	10/29/19 18:29
GMW-6	9J29011-15	Water	5	10/29/19 11:45	10/29/19 18:29
GMW-56	9J29011-16	Water	5	10/29/19 12:25	10/29/19 18:29

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
DUP-2	9J29011-18	Water	5	10/29/19 00:00	10/29/19 18:29
<u>Diesel Range Organics 8015M</u>					
GMW-63	9J29011-03	Water	5	10/28/19 08:50	10/29/19 18:29
GMW-64	9J29011-04	Water	5	10/28/19 09:30	10/29/19 18:29
GMW-65	9J29011-05	Water	5	10/28/19 10:20	10/29/19 18:29
GMW-67	9J29011-06	Water	5	10/28/19 11:00	10/29/19 18:29
GMW-69	9J29011-07	Water	5	10/28/19 11:40	10/29/19 18:29
GMW-62	9J29011-08	Water	5	10/28/19 12:20	10/29/19 18:29
DUP-1	9J29011-09	Water	5	10/28/19 00:00	10/29/19 18:29
EXP-2	9J29011-10	Water	5	10/29/19 08:20	10/29/19 18:29
GW-3	9J29011-11	Water	5	10/29/19 09:00	10/29/19 18:29
GMW-31	9J29011-12	Water	5	10/29/19 09:45	10/29/19 18:29
GMW-42	9J29011-13	Water	5	10/29/19 10:25	10/29/19 18:29
GMW-44	9J29011-14	Water	5	10/29/19 11:05	10/29/19 18:29
GMW-6	9J29011-15	Water	5	10/29/19 11:45	10/29/19 18:29
GMW-56	9J29011-16	Water	5	10/29/19 12:25	10/29/19 18:29
DUP-2	9J29011-18	Water	5	10/29/19 00:00	10/29/19 18:29
<u>Gasoline Range Organics 8015M</u>					
GMW-63	9J29011-03	Water	5	10/28/19 08:50	10/29/19 18:29

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
GMW-64	9J29011-04	Water	5	10/28/19 09:30	10/29/19 18:29
GMW-65	9J29011-05	Water	5	10/28/19 10:20	10/29/19 18:29
GMW-67	9J29011-06	Water	5	10/28/19 11:00	10/29/19 18:29
GMW-69	9J29011-07	Water	5	10/28/19 11:40	10/29/19 18:29
GMW-62	9J29011-08	Water	5	10/28/19 12:20	10/29/19 18:29
DUP-1	9J29011-09	Water	5	10/28/19 00:00	10/29/19 18:29
EXP-2	9J29011-10	Water	5	10/29/19 08:20	10/29/19 18:29
GW-3	9J29011-11	Water	5	10/29/19 09:00	10/29/19 18:29
GMW-31	9J29011-12	Water	5	10/29/19 09:45	10/29/19 18:29
GMW-42	9J29011-13	Water	5	10/29/19 10:25	10/29/19 18:29
GMW-44	9J29011-14	Water	5	10/29/19 11:05	10/29/19 18:29
GMW-6	9J29011-15	Water	5	10/29/19 11:45	10/29/19 18:29
GMW-56	9J29011-16	Water	5	10/29/19 12:25	10/29/19 18:29
DUP-2	9J29011-18	Water	5	10/29/19 00:00	10/29/19 18:29

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19
Units: ug/L

Date Sampled:	10/28/19	10/28/19	10/29/19	
Date Prepared:	10/30/19	10/30/19	11/01/19	
Date Analyzed:	10/30/19	10/30/19	11/01/19	
AA ID No:	9J29011-01	9J29011-02	9J29011-17	
Client ID No:	QCTB-1	QCEB-1	QCEB-1	
Matrix:	Water	Water	Water	
Dilution Factor:	1	1	1	MRL

8260B+OXY+TPHG (EPA 8260B)

Acetone	<10	<10	<10	10
tert-Amyl-Methyl Ether (TAME)	<2.0	<2.0	<2.0	2.0
Benzene	<0.50	<0.50	<0.50	0.50
Bromobenzene	<0.50	<0.50	<0.50	0.50
Bromochloromethane	<0.50	<0.50	<0.50	0.50
Bromodichloromethane	<0.50	<0.50	<0.50	0.50
Bromoform	<0.50	<0.50	<0.50	0.50
Bromomethane	<0.50	<0.50	<0.50	0.50
2-Butanone (MEK)	<10	<10	<10	10
tert-Butyl Alcohol (TBA)	<10	<10	<10	10
sec-Butylbenzene	<0.50	<0.50	<0.50	0.50
tert-Butylbenzene	<0.50	<0.50	<0.50	0.50
n-Butylbenzene	<0.50	<0.50	<0.50	0.50
Carbon Disulfide	<0.50	<0.50	<0.50	0.50
Carbon Tetrachloride	<0.50	<0.50	<0.50	0.50
Chlorobenzene	<0.50	<0.50	<0.50	0.50
Chloroethane	<0.50	<0.50	<0.50	0.50
Chloroform	<0.50	<0.50	<0.50	0.50
Chloromethane	<0.50	<0.50	<0.50	0.50
2-Chlorotoluene	<0.50	<0.50	<0.50	0.50
4-Chlorotoluene	<0.50	<0.50	<0.50	0.50
1,2-Dibromo-3-chloropropane	<1.0	<1.0	<1.0	1.0
Dibromochloromethane	<0.50	<0.50	<0.50	0.50
1,2-Dibromoethane (EDB)	<0.50	<0.50	<0.50	0.50
Dibromomethane	<0.50	<0.50	<0.50	0.50
1,3-Dichlorobenzene	<0.50	<0.50	<0.50	0.50
1,2-Dichlorobenzene	<0.50	<0.50	<0.50	0.50

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19
Units: ug/L

Date Sampled:	10/28/19	10/28/19	10/29/19	
Date Prepared:	10/30/19	10/30/19	11/01/19	
Date Analyzed:	10/30/19	10/30/19	11/01/19	
AA ID No:	9J29011-01	9J29011-02	9J29011-17	
Client ID No:	QCTB-1	QCEB-1	QCEB-1	
Matrix:	Water	Water	Water	
Dilution Factor:	1	1	1	MRL

8260B+OXY+TPHG (EPA 8260B) (continued)

1,4-Dichlorobenzene	<0.50	<0.50	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethane	<0.50	<0.50	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethylene	<0.50	<0.50	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	<0.50	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	<0.50	<0.50	0.50
1,2-Dichloropropane	<0.50	<0.50	<0.50	0.50
2,2-Dichloropropane	<0.50	<0.50	<0.50	0.50
1,3-Dichloropropane	<0.50	<0.50	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	<0.50	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	<0.50	<0.50	0.50
1,1-Dichloropropylene	<0.50	<0.50	<0.50	0.50
Diisopropyl ether (DIPE)	<2.0	<2.0	<2.0	2.0
Ethylbenzene	<0.50	<0.50	<0.50	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	<2.0	<2.0	2.0
Gasoline Range Organics (GRO)	<100	<100	<100	100
Hexachlorobutadiene	<1.0	<1.0	<1.0	1.0
2-Hexanone (MBK)	<10	<10	<10	10
Isopropylbenzene	<0.50	<0.50	<0.50	0.50
4-Isopropyltoluene	<1.0	<1.0	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<1.2	<1.2	<1.2	1.2
Methylene Chloride	<5.0	<5.0	<5.0	5.0
4-Methyl-2-pentanone (MIBK)	<10	<10	<10	10
Naphthalene	<2.0	<2.0	<2.0	2.0
n-Propylbenzene	<0.50	<0.50	<0.50	0.50

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19
Units: ug/L

Date Sampled:	10/28/19	10/28/19	10/29/19	
Date Prepared:	10/30/19	10/30/19	11/01/19	
Date Analyzed:	10/30/19	10/30/19	11/01/19	
AA ID No:	9J29011-01	9J29011-02	9J29011-17	
Client ID No:	QCTB-1	QCEB-1	QCEB-1	
Matrix:	Water	Water	Water	
Dilution Factor:	1	1	1	MRL

8260B+OXY+TPHG (EPA 8260B) (continued)

Styrene	<0.50	<0.50	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	<0.50	<0.50	0.50
1,1,2,2-Tetrachloroethane	<0.50	<0.50	<0.50	0.50
Tetrachloroethylene (PCE)	<0.50	<0.50	<0.50	0.50
Toluene	<0.50	<0.50	<0.50	0.50
1,2,3-Trichlorobenzene	<0.50	<0.50	<0.50	0.50
1,2,4-Trichlorobenzene	<0.50	<0.50	<0.50	0.50
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloroethane	<0.50	<0.50	<0.50	0.50
Trichloroethylene (TCE)	<0.50	<0.50	<0.50	0.50
Trichlorofluoromethane (R11)	<0.50	<0.50	<0.50	0.50
1,2,3-Trichloropropane	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	<0.50	<0.50	0.50
1,3,5-Trimethylbenzene	<0.50	<0.50	<0.50	0.50
1,2,4-Trimethylbenzene	<0.50	<0.50	<0.50	0.50
Vinyl chloride	<0.50	<0.50	<0.50	0.50
o-Xylene	<0.50	<0.50	<0.50	0.50
m,p-Xylenes	<1.0	<1.0	<1.0	1.0

Surrogates				%REC Limits
4-Bromofluorobenzene	95%	92%	89%	80-129
Dibromofluoromethane	99%	94%	92%	68-137
Toluene-d8	92%	89%	88%	83-134

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19
Units: ug/L

Date Sampled:	10/28/19	10/28/19	10/28/19	10/28/19	
Date Prepared:	10/30/19	10/30/19	10/30/19	10/30/19	
Date Analyzed:	10/30/19	10/30/19	10/30/19	10/30/19	
AA ID No:	9J29011-03	9J29011-04	9J29011-05	9J29011-06	
Client ID No:	GMW-63	GMW-64	GMW-65	GMW-67	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

8260B+OXYGENATES (EPA 8260B)

Acetone	<10	<10	<10	<10	10
tert-Amyl-Methyl Ether (TAME)	<2.0	<2.0	<2.0	<2.0	2.0
Benzene	<0.50	<0.50	<0.50	0.75	0.50
Bromobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Bromochloromethane	<0.50	<0.50	<0.50	<0.50	0.50
Bromodichloromethane	<0.50	<0.50	<0.50	<0.50	0.50
Bromoform	<0.50	<0.50	<0.50	<0.50	0.50
Bromomethane	<0.50	<0.50	<0.50	<0.50	0.50
2-Butanone (MEK)	<10	<10	<10	<10	10
tert-Butyl Alcohol (TBA)	<10	<10	<10	<10	10
sec-Butylbenzene	<0.50	<0.50	<0.50	0.81	0.50
tert-Butylbenzene	<0.50	<0.50	<0.50	0.60	0.50
n-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Carbon Disulfide	<0.50	<0.50	0.75	<0.50	0.50
Carbon Tetrachloride	<0.50	<0.50	<0.50	<0.50	0.50
Chlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Chloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Chloroform	<0.50	<0.50	<0.50	<0.50	0.50
Chloromethane	<0.50	<0.50	<0.50	<0.50	0.50
2-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	0.50
4-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dibromo-3-chloropropane	<1.0	<1.0	<1.0	<1.0	1.0
Dibromochloromethane	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dibromoethane (EDB)	<0.50	<0.50	<0.50	<0.50	0.50
Dibromomethane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19
Units: ug/L

Date Sampled:	10/28/19	10/28/19	10/28/19	10/28/19	
Date Prepared:	10/30/19	10/30/19	10/30/19	10/30/19	
Date Analyzed:	10/30/19	10/30/19	10/30/19	10/30/19	
AA ID No:	9J29011-03	9J29011-04	9J29011-05	9J29011-06	
Client ID No:	GMW-63	GMW-64	GMW-65	GMW-67	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

8260B+OXYGENATES (EPA 8260B) (continued)

1,4-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
2,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
Diisopropyl ether (DIPE)	<2.0	<2.0	<2.0	<2.0	2.0
Ethylbenzene	<0.50	<0.50	<0.50	3.6	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	<2.0	<2.0	<2.0	2.0
Hexachlorobutadiene	<1.0	<1.0	<1.0	<1.0	1.0
2-Hexanone (MBK)	<10	<10	<10	<10	10
Isopropylbenzene	<0.50	<0.50	<0.50	8.8	0.50
4-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<1.2	<1.2	<1.2	<1.2	1.2
Methylene Chloride	<5.0	<5.0	<5.0	<5.0	5.0
4-Methyl-2-pentanone (MIBK)	<10	<10	<10	<10	10
Naphthalene	<2.0	<2.0	<2.0	<2.0	2.0
n-Propylbenzene	<0.50	<0.50	<0.50	5.1	0.50
Styrene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19
Units: ug/L

Date Sampled:	10/28/19	10/28/19	10/28/19	10/28/19	
Date Prepared:	10/30/19	10/30/19	10/30/19	10/30/19	
Date Analyzed:	10/30/19	10/30/19	10/30/19	10/30/19	
AA ID No:	9J29011-03	9J29011-04	9J29011-05	9J29011-06	
Client ID No:	GMW-63	GMW-64	GMW-65	GMW-67	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

8260B+OXYGENATES (EPA 8260B) (continued)

1,1,2,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Tetrachloroethylene (PCE)	<0.50	<0.50	<0.50	<0.50	0.50
Toluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Trichloroethylene (TCE)	<0.50	<0.50	<0.50	<0.50	0.50
Trichlorofluoromethane (R11)	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	<0.50	<0.50	<0.50	0.50
1,3,5-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Vinyl chloride	<0.50	<0.50	<0.50	<0.50	0.50
o-Xylene	<0.50	<0.50	<0.50	<0.50	0.50
m,p-Xylenes	<1.0	<1.0	<1.0	1.3	1.0

<u>Surrogates</u>					<u>%REC Limits</u>
4-Bromofluorobenzene	97%	97%	95%	92%	80-129
Dibromofluoromethane	98%	99%	100%	99%	68-137
Toluene-d8	92%	93%	93%	92%	83-134

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19
Units: ug/L

	10/28/19	10/28/19	10/28/19	10/29/19	
Date Sampled:	10/28/19	10/28/19	10/28/19	10/29/19	
Date Prepared:	10/30/19	11/01/19	11/01/19	10/30/19	
Date Analyzed:	10/30/19	11/01/19	11/01/19	10/30/19	
AA ID No:	9J29011-07	9J29011-08	9J29011-09	9J29011-10	
Client ID No:	GMW-69	GMW-62	DUP-1	EXP-2	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	2	2	1	MRL

8260B+OXYGENATES (EPA 8260B)

Acetone	<10	<20	<20	<10	10
tert-Amyl-Methyl Ether (TAME)	<2.0	<4.0	<4.0	<2.0	2.0
Benzene	58	14	12	<0.50	0.50
Bromobenzene	<0.50	<1.0	<1.0	<0.50	0.50
Bromochloromethane	<0.50	<1.0	<1.0	<0.50	0.50
Bromodichloromethane	<0.50	<1.0	<1.0	<0.50	0.50
Bromoform	<0.50	<1.0	<1.0	<0.50	0.50
Bromomethane	<0.50	<1.0	<1.0	<0.50	0.50
2-Butanone (MEK)	<10	<20	<20	<10	10
tert-Butyl Alcohol (TBA)	<10	<20	<20	<10	10
sec-Butylbenzene	3.6	3.9	6.3	<0.50	0.50
tert-Butylbenzene	0.63	<1.0	1.3	<0.50	0.50
n-Butylbenzene	2.0	2.9	3.9	<0.50	0.50
Carbon Disulfide	<0.50	<1.0	<1.0	<0.50	0.50
Carbon Tetrachloride	<0.50	<1.0	<1.0	<0.50	0.50
Chlorobenzene	<0.50	<1.0	<1.0	<0.50	0.50
Chloroethane	<0.50	<1.0	<1.0	<0.50	0.50
Chloroform	<0.50	<1.0	<1.0	<0.50	0.50
Chloromethane	<0.50	<1.0	<1.0	<0.50	0.50
2-Chlorotoluene	<0.50	<1.0	<1.0	<0.50	0.50
4-Chlorotoluene	<0.50	<1.0	<1.0	<0.50	0.50
1,2-Dibromo-3-chloropropane	<1.0	<2.0	<2.0	<1.0	1.0
Dibromochloromethane	<0.50	<1.0	<1.0	<0.50	0.50
1,2-Dibromoethane (EDB)	<0.50	<1.0	<1.0	<0.50	0.50
Dibromomethane	<0.50	<1.0	<1.0	<0.50	0.50
1,3-Dichlorobenzene	<0.50	<1.0	<1.0	<0.50	0.50
1,2-Dichlorobenzene	<0.50	<1.0	<1.0	<0.50	0.50

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19
Units: ug/L

	10/28/19	10/28/19	10/28/19	10/29/19	
Date Sampled:	10/28/19	10/28/19	10/28/19	10/29/19	
Date Prepared:	10/30/19	11/01/19	11/01/19	10/30/19	
Date Analyzed:	10/30/19	11/01/19	11/01/19	10/30/19	
AA ID No:	9J29011-07	9J29011-08	9J29011-09	9J29011-10	
Client ID No:	GMW-69	GMW-62	DUP-1	EXP-2	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	2	2	1	MRL

8260B+OXYGENATES (EPA 8260B) (continued)

1,4-Dichlorobenzene	<0.50	<1.0	<1.0	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	<1.0	<1.0	<0.50	0.50
1,1-Dichloroethane	<0.50	<1.0	<1.0	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	<1.0	<1.0	<0.50	0.50
1,1-Dichloroethylene	<0.50	<1.0	<1.0	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	<1.0	<1.0	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	<1.0	<1.0	<0.50	0.50
1,2-Dichloropropane	<0.50	<1.0	<1.0	<0.50	0.50
2,2-Dichloropropane	<0.50	<1.0	<1.0	<0.50	0.50
1,3-Dichloropropane	<0.50	<1.0	<1.0	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	<1.0	<1.0	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	<1.0	<1.0	<0.50	0.50
1,1-Dichloropropylene	<0.50	<1.0	<1.0	<0.50	0.50
Diisopropyl ether (DIPE)	<2.0	<4.0	<4.0	<2.0	2.0
Ethylbenzene	33	<1.0	<1.0	<0.50	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	<4.0	<4.0	<2.0	2.0
Hexachlorobutadiene	<1.0	<2.0	<2.0	<1.0	1.0
2-Hexanone (MBK)	<10	<20	<20	<10	10
Isopropylbenzene	26	7.7	13	<0.50	0.50
4-Isopropyltoluene	2.5	5.1	4.5	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<1.2	<2.4	<2.4	<1.2	1.2
Methylene Chloride	<5.0	<10	<10	<5.0	5.0
4-Methyl-2-pentanone (MIBK)	<10	<20	<20	<10	10
Naphthalene	28	12	15	<2.0	2.0
n-Propylbenzene	25	10	18	<0.50	0.50
Styrene	<0.50	<1.0	<1.0	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	<1.0	<1.0	<0.50	0.50

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19
Units: ug/L

	10/28/19	10/28/19	10/28/19	10/29/19	
Date Sampled:	10/28/19	10/28/19	10/28/19	10/29/19	
Date Prepared:	10/30/19	11/01/19	11/01/19	10/30/19	
Date Analyzed:	10/30/19	11/01/19	11/01/19	10/30/19	
AA ID No:	9J29011-07	9J29011-08	9J29011-09	9J29011-10	
Client ID No:	GMW-69	GMW-62	DUP-1	EXP-2	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	2	2	1	MRL

8260B+OXYGENATES (EPA 8260B) (continued)

1,1,2,2-Tetrachloroethane	<0.50	<1.0	<1.0	<0.50	0.50
Tetrachloroethylene (PCE)	<0.50	<1.0	<1.0	<0.50	0.50
Toluene	<0.50	<1.0	<1.0	<0.50	0.50
1,2,3-Trichlorobenzene	<0.50	<1.0	<1.0	<0.50	0.50
1,2,4-Trichlorobenzene	<0.50	<1.0	<1.0	<0.50	0.50
1,1,1-Trichloroethane	<0.50	<1.0	<1.0	<0.50	0.50
1,1,2-Trichloroethane	<0.50	<1.0	<1.0	<0.50	0.50
Trichloroethylene (TCE)	<0.50	<1.0	<1.0	<0.50	0.50
Trichlorofluoromethane (R11)	<0.50	<1.0	<1.0	<0.50	0.50
1,2,3-Trichloropropane	<0.50	<1.0	<1.0	<0.50	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	<1.0	<1.0	<0.50	0.50
1,3,5-Trimethylbenzene	9.4	96	86	<0.50	0.50
1,2,4-Trimethylbenzene	8.8	4.3	4.1	<0.50	0.50
Vinyl chloride	<0.50	<1.0	<1.0	<0.50	0.50
o-Xylene	<0.50	17	17	<0.50	0.50
m,p-Xylenes	22	8.2	8.1	<1.0	1.0

<u>Surrogates</u>					<u>%REC Limits</u>
4-Bromofluorobenzene	87%	88%	84%	95%	80-129
Dibromofluoromethane	95%	92%	87%	99%	68-137
Toluene-d8	90%	92%	90%	93%	83-134

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19
Units: ug/L

	10/29/19	10/29/19	10/29/19	10/29/19	
Date Sampled:	10/29/19	10/29/19	10/29/19	10/29/19	
Date Prepared:	11/01/19	11/01/19	11/01/19	11/01/19	
Date Analyzed:	11/01/19	11/01/19	11/01/19	11/01/19	
AA ID No:	9J29011-11	9J29011-12	9J29011-13	9J29011-14	
Client ID No:	GW-3	GMW-31	GMW-42	GMW-44	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

8260B+OXYGENATES (EPA 8260B)

Acetone	<10	<10	<10	<10	10
tert-Amyl-Methyl Ether (TAME)	<2.0	<2.0	<2.0	<2.0	2.0
Benzene	<0.50	<0.50	<0.50	<0.50	0.50
Bromobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Bromochloromethane	<0.50	<0.50	<0.50	<0.50	0.50
Bromodichloromethane	<0.50	<0.50	<0.50	<0.50	0.50
Bromoform	<0.50	<0.50	<0.50	<0.50	0.50
Bromomethane	<0.50	<0.50	<0.50	<0.50	0.50
2-Butanone (MEK)	<10	<10	<10	<10	10
tert-Butyl Alcohol (TBA)	<10	<10	<10	<10	10
sec-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
tert-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
n-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Carbon Disulfide	<0.50	<0.50	<0.50	<0.50	0.50
Carbon Tetrachloride	<0.50	<0.50	<0.50	<0.50	0.50
Chlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Chloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Chloroform	<0.50	<0.50	<0.50	<0.50	0.50
Chloromethane	<0.50	<0.50	<0.50	<0.50	0.50
2-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	0.50
4-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dibromo-3-chloropropane	<1.0	<1.0	<1.0	<1.0	1.0
Dibromochloromethane	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dibromoethane (EDB)	<0.50	<0.50	<0.50	<0.50	0.50
Dibromomethane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19
Units: ug/L

	10/29/19	10/29/19	10/29/19	10/29/19	
Date Sampled:	10/29/19	10/29/19	10/29/19	10/29/19	
Date Prepared:	11/01/19	11/01/19	11/01/19	11/01/19	
Date Analyzed:	11/01/19	11/01/19	11/01/19	11/01/19	
AA ID No:	9J29011-11	9J29011-12	9J29011-13	9J29011-14	
Client ID No:	GW-3	GMW-31	GMW-42	GMW-44	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

8260B+OXYGENATES (EPA 8260B) (continued)

1,4-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
2,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
Diisopropyl ether (DIPE)	<2.0	<2.0	<2.0	<2.0	2.0
Ethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	<2.0	<2.0	<2.0	2.0
Hexachlorobutadiene	<1.0	<1.0	<1.0	<1.0	1.0
2-Hexanone (MBK)	<10	<10	<10	<10	10
Isopropylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
4-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<1.2	<1.2	<1.2	<1.2	1.2
Methylene Chloride	<5.0	<5.0	<5.0	<5.0	5.0
4-Methyl-2-pentanone (MIBK)	<10	<10	<10	<10	10
Naphthalene	<2.0	<2.0	<2.0	<2.0	2.0
n-Propylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Styrene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19
Units: ug/L

Date Sampled:	10/29/19	10/29/19	10/29/19	10/29/19	
Date Prepared:	11/01/19	11/01/19	11/01/19	11/01/19	
Date Analyzed:	11/01/19	11/01/19	11/01/19	11/01/19	
AA ID No:	9J29011-11	9J29011-12	9J29011-13	9J29011-14	
Client ID No:	GW-3	GMW-31	GMW-42	GMW-44	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

8260B+OXYGENATES (EPA 8260B) (continued)

1,1,2,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Tetrachloroethylene (PCE)	<0.50	<0.50	<0.50	<0.50	0.50
Toluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Trichloroethylene (TCE)	<0.50	<0.50	<0.50	<0.50	0.50
Trichlorofluoromethane (R11)	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	<0.50	<0.50	<0.50	0.50
1,3,5-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Vinyl chloride	<0.50	<0.50	<0.50	<0.50	0.50
o-Xylene	<0.50	<0.50	<0.50	<0.50	0.50
m,p-Xylenes	<1.0	<1.0	<1.0	<1.0	1.0

<u>Surrogates</u>					<u>%REC Limits</u>
4-Bromofluorobenzene	90%	91%	92%	92%	80-129
Dibromofluoromethane	90%	93%	93%	90%	68-137
Toluene-d8	90%	90%	90%	91%	83-134

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19
Units: ug/L

	10/29/19	10/29/19	10/29/19	
Date Sampled:	10/29/19	10/29/19	10/29/19	
Date Prepared:	11/01/19	11/01/19	11/01/19	
Date Analyzed:	11/01/19	11/01/19	11/01/19	
AA ID No:	9J29011-15	9J29011-16	9J29011-18	
Client ID No:	GMW-6	GMW-56	DUP-2	
Matrix:	Water	Water	Water	
Dilution Factor:	1	1	1	MRL

8260B+OXYGENATES (EPA 8260B)

Acetone	<10	<10	<10	10
tert-Amyl-Methyl Ether (TAME)	<2.0	<2.0	<2.0	2.0
Benzene	<0.50	<0.50	<0.50	0.50
Bromobenzene	<0.50	<0.50	<0.50	0.50
Bromochloromethane	<0.50	<0.50	<0.50	0.50
Bromodichloromethane	<0.50	<0.50	<0.50	0.50
Bromoform	<0.50	<0.50	<0.50	0.50
Bromomethane	<0.50	<0.50	<0.50	0.50
2-Butanone (MEK)	<10	<10	<10	10
tert-Butyl Alcohol (TBA)	<10	<10	<10	10
sec-Butylbenzene	<0.50	<0.50	<0.50	0.50
tert-Butylbenzene	<0.50	<0.50	<0.50	0.50
n-Butylbenzene	<0.50	<0.50	<0.50	0.50
Carbon Disulfide	<0.50	<0.50	<0.50	0.50
Carbon Tetrachloride	<0.50	<0.50	<0.50	0.50
Chlorobenzene	<0.50	<0.50	<0.50	0.50
Chloroethane	<0.50	<0.50	<0.50	0.50
Chloroform	<0.50	<0.50	<0.50	0.50
Chloromethane	<0.50	<0.50	<0.50	0.50
2-Chlorotoluene	<0.50	<0.50	<0.50	0.50
4-Chlorotoluene	<0.50	<0.50	<0.50	0.50
1,2-Dibromo-3-chloropropane	<1.0	<1.0	<1.0	1.0
Dibromochloromethane	<0.50	<0.50	<0.50	0.50
1,2-Dibromoethane (EDB)	<0.50	<0.50	<0.50	0.50
Dibromomethane	<0.50	<0.50	<0.50	0.50
1,3-Dichlorobenzene	<0.50	<0.50	<0.50	0.50
1,2-Dichlorobenzene	<0.50	<0.50	<0.50	0.50

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19
Units: ug/L

	10/29/19	10/29/19	10/29/19	
Date Sampled:	10/29/19	10/29/19	10/29/19	
Date Prepared:	11/01/19	11/01/19	11/01/19	
Date Analyzed:	11/01/19	11/01/19	11/01/19	
AA ID No:	9J29011-15	9J29011-16	9J29011-18	
Client ID No:	GMW-6	GMW-56	DUP-2	
Matrix:	Water	Water	Water	
Dilution Factor:	1	1	1	MRL

8260B+OXYGENATES (EPA 8260B) (continued)

1,4-Dichlorobenzene	<0.50	<0.50	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethane	<0.50	<0.50	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethylene	<0.50	<0.50	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	<0.50	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	<0.50	<0.50	0.50
1,2-Dichloropropane	<0.50	<0.50	<0.50	0.50
2,2-Dichloropropane	<0.50	<0.50	<0.50	0.50
1,3-Dichloropropane	<0.50	<0.50	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	<0.50	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	<0.50	<0.50	0.50
1,1-Dichloropropylene	<0.50	<0.50	<0.50	0.50
Diisopropyl ether (DIPE)	<2.0	<2.0	<2.0	2.0
Ethylbenzene	<0.50	<0.50	<0.50	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	<2.0	<2.0	2.0
Hexachlorobutadiene	<1.0	<1.0	<1.0	1.0
2-Hexanone (MBK)	<10	<10	<10	10
Isopropylbenzene	<0.50	<0.50	<0.50	0.50
4-Isopropyltoluene	<1.0	<1.0	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<1.2	<1.2	<1.2	1.2
Methylene Chloride	<5.0	<5.0	<5.0	5.0
4-Methyl-2-pentanone (MIBK)	<10	<10	<10	10
Naphthalene	<2.0	<2.0	<2.0	2.0
n-Propylbenzene	<0.50	<0.50	<0.50	0.50
Styrene	<0.50	<0.50	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	<0.50	<0.50	0.50

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19
Units: ug/L

	10/29/19	10/29/19	10/29/19	
Date Sampled:	10/29/19	10/29/19	10/29/19	
Date Prepared:	11/01/19	11/01/19	11/01/19	
Date Analyzed:	11/01/19	11/01/19	11/01/19	
AA ID No:	9J29011-15	9J29011-16	9J29011-18	
Client ID No:	GMW-6	GMW-56	DUP-2	
Matrix:	Water	Water	Water	
Dilution Factor:	1	1	1	MRL

8260B+OXYGENATES (EPA 8260B) (continued)

1,1,2,2-Tetrachloroethane	<0.50	<0.50	<0.50	0.50
Tetrachloroethylene (PCE)	<0.50	<0.50	<0.50	0.50
Toluene	<0.50	<0.50	<0.50	0.50
1,2,3-Trichlorobenzene	<0.50	<0.50	<0.50	0.50
1,2,4-Trichlorobenzene	<0.50	<0.50	<0.50	0.50
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloroethane	<0.50	<0.50	<0.50	0.50
Trichloroethylene (TCE)	<0.50	<0.50	<0.50	0.50
Trichlorofluoromethane (R11)	<0.50	<0.50	<0.50	0.50
1,2,3-Trichloropropane	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	<0.50	<0.50	0.50
1,3,5-Trimethylbenzene	<0.50	<0.50	<0.50	0.50
1,2,4-Trimethylbenzene	<0.50	<0.50	<0.50	0.50
Vinyl chloride	<0.50	<0.50	<0.50	0.50
o-Xylene	<0.50	<0.50	<0.50	0.50
m,p-Xylenes	<1.0	<1.0	<1.0	1.0

<u>Surrogates</u>				<u>%REC Limits</u>
4-Bromofluorobenzene	93%	93%	93%	80-129
Dibromofluoromethane	92%	92%	95%	68-137
Toluene-d8	91%	91%	92%	83-134

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: Diesel Range Organics by GC/FID

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19
Units: mg/L

	10/28/19	10/28/19	10/28/19	10/28/19	
Date Sampled:	10/28/19	10/28/19	10/28/19	10/28/19	
Date Prepared:	10/31/19	10/31/19	10/31/19	10/31/19	
Date Analyzed:	11/04/19	11/01/19	11/01/19	11/01/19	
AA ID No:	9J29011-03	9J29011-04	9J29011-05	9J29011-06	
Client ID No:	GMW-63	GMW-64	GMW-65	GMW-67	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

Diesel Range Organics 8015M (EPA 8015M)

Diesel Range Organics as Diesel	<0.10	<0.10	<0.10	<0.10	0.10
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Surrogates

					<u>%REC Limits</u>
o-Terphenyl	118%	119%	112%	136%	50-150

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: Diesel Range Organics by GC/FID

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19
Units: mg/L

Date Sampled:	10/28/19	10/28/19	10/28/19	10/29/19	
Date Prepared:	10/31/19	10/31/19	10/31/19	10/31/19	
Date Analyzed:	11/04/19	11/01/19	11/01/19	11/04/19	
AA ID No:	9J29011-07	9J29011-08	9J29011-09	9J29011-10	
Client ID No:	GMW-69	GMW-62	DUP-1	EXP-2	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	5	5	1	MRL

Diesel Range Organics 8015M (EPA 8015M)

Diesel Range Organics as Diesel	0.18	7.8	12	<0.10	0.10
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<u>Surrogates</u>					<u>%REC Limits</u>
o-Terphenyl	118%	116%	147%	110%	50-150

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: Diesel Range Organics by GC/FID

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19
Units: mg/L

Date Sampled:	10/29/19	10/29/19	10/29/19	10/29/19	
Date Prepared:	10/31/19	10/31/19	10/31/19	10/31/19	
Date Analyzed:	11/04/19	11/02/19	11/02/19	11/02/19	
AA ID No:	9J29011-11	9J29011-12	9J29011-13	9J29011-14	
Client ID No:	GW-3	GMW-31	GMW-42	GMW-44	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

Diesel Range Organics 8015M (EPA 8015M)

Diesel Range Organics as Diesel	<0.10	0.12	<0.10	<0.10	0.10
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<u>Surrogates</u>					<u>%REC Limits</u>
o-Terphenyl	110%	110%	146%	116%	50-150

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: Diesel Range Organics by GC/FID

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19
Units: mg/L

Date Sampled:	10/29/19	10/29/19	10/29/19	
Date Prepared:	10/31/19	10/31/19	10/31/19	
Date Analyzed:	11/02/19	11/02/19	11/02/19	
AA ID No:	9J29011-15	9J29011-16	9J29011-18	
Client ID No:	GMW-6	GMW-56	DUP-2	
Matrix:	Water	Water	Water	
Dilution Factor:	1	1	1	MRL

Diesel Range Organics 8015M (EPA 8015M)

Diesel Range Organics as Diesel	<0.10	<0.10	<0.10	0.10
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Surrogates

o-Terphenyl	111%	96%	118%	<u>%REC Limits</u> 50-150
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 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: Gasoline Range Organics by GC/FID

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19
Units: ug/L

Date Sampled:	10/28/19	10/28/19	10/28/19	10/28/19	
Date Prepared:	10/31/19	10/31/19	10/31/19	10/31/19	
Date Analyzed:	10/31/19	10/31/19	10/31/19	10/31/19	
AA ID No:	9J29011-03	9J29011-04	9J29011-05	9J29011-06	
Client ID No:	GMW-63	GMW-64	GMW-65	GMW-67	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

Gasoline Range Organics 8015M (EPA 8015M)

Gasoline Range Organics (GRO)	<100	<100	<100	150	100
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Surrogates

a,a,a-Trifluorotoluene	100%	107%	99%	105%	<u>%REC Limits</u> 80-120
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 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: Gasoline Range Organics by GC/FID

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19
Units: ug/L

Date Sampled:	10/28/19	10/28/19	10/28/19	10/29/19	
Date Prepared:	10/31/19	11/01/19	11/01/19	10/31/19	
Date Analyzed:	10/31/19	11/04/19	11/04/19	10/31/19	
AA ID No:	9J29011-07	9J29011-08	9J29011-09	9J29011-10	
Client ID No:	GMW-69	GMW-62	DUP-1	EXP-2	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

Gasoline Range Organics 8015M (EPA 8015M)

Gasoline Range Organics (GRO)	710	1500	2100	<100	100
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Surrogates

a,a,a-Trifluorotoluene	114%	116%	113%	101%	%REC Limits 80-120
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 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: Gasoline Range Organics by GC/FID

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19
Units: ug/L

Date Sampled:	10/29/19	10/29/19	10/29/19	10/29/19	
Date Prepared:	10/31/19	10/31/19	10/31/19	10/31/19	
Date Analyzed:	10/31/19	10/31/19	10/31/19	10/31/19	
AA ID No:	9J29011-11	9J29011-12	9J29011-13	9J29011-14	
Client ID No:	GW-3	GMW-31	GMW-42	GMW-44	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

Gasoline Range Organics 8015M (EPA 8015M)

Gasoline Range Organics (GRO)	<100	<100	<100	<100	100
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Surrogates

a,a,a-Trifluorotoluene	99%	96%	99%	97%	<u>%REC Limits</u> 80-120
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Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: Gasoline Range Organics by GC/FID

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19
Units: ug/L

Date Sampled:	10/29/19	10/29/19	10/29/19	
Date Prepared:	10/31/19	10/31/19	10/31/19	
Date Analyzed:	10/31/19	10/31/19	10/31/19	
AA ID No:	9J29011-15	9J29011-16	9J29011-18	
Client ID No:	GMW-6	GMW-56	DUP-2	
Matrix:	Water	Water	Water	
Dilution Factor:	1	1	1	MRL

Gasoline Range Organics 8015M (EPA 8015M)

Gasoline Range Organics (GRO)	<100	<100	<100	100
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Surrogates

a,a,a-Trifluorotoluene	97%	103%	107%	%REC Limits 80-120
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Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Notes
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VOCs, OXY & TPH Gasoline by GC/MS - Quality Control

Batch B9J3028 - EPA 5030B

Blank (B9J3028-BLK1)

Prepared & Analyzed: 10/30/19

Acetone	<10	10	ug/L							
tert-Amyl-Methyl Ether (TAME)	<2.0	2.0	ug/L							
Benzene	<0.50	0.50	ug/L							
Bromobenzene	<0.50	0.50	ug/L							
Bromochloromethane	<0.50	0.50	ug/L							
Bromodichloromethane	<0.50	0.50	ug/L							
Bromoform	<0.50	0.50	ug/L							
Bromomethane	<0.50	0.50	ug/L							
2-Butanone (MEK)	<10	10	ug/L							
tert-Butyl Alcohol (TBA)	<10	10	ug/L							
sec-Butylbenzene	<0.50	0.50	ug/L							
tert-Butylbenzene	<0.50	0.50	ug/L							
n-Butylbenzene	<0.50	0.50	ug/L							
Carbon Disulfide	<0.50	0.50	ug/L							
Carbon Tetrachloride	<0.50	0.50	ug/L							
Chlorobenzene	<0.50	0.50	ug/L							
Chloroethane	<0.50	0.50	ug/L							
Chloroform	<0.50	0.50	ug/L							
Chloromethane	<0.50	0.50	ug/L							
2-Chlorotoluene	<0.50	0.50	ug/L							
4-Chlorotoluene	<0.50	0.50	ug/L							
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L							
Dibromochloromethane	<0.50	0.50	ug/L							
1,2-Dibromoethane (EDB)	<0.50	0.50	ug/L							
Dibromomethane	<0.50	0.50	ug/L							
1,3-Dichlorobenzene	<0.50	0.50	ug/L							
1,2-Dichlorobenzene	<0.50	0.50	ug/L							
1,4-Dichlorobenzene	<0.50	0.50	ug/L							
Dichlorodifluoromethane (R12)	<0.50	0.50	ug/L							
1,1-Dichloroethane	<0.50	0.50	ug/L							
1,2-Dichloroethane (EDC)	<0.50	0.50	ug/L							
1,1-Dichloroethylene	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9J3028 - EPA 5030B</i>										
Blank (B9J3028-BLK1) Continued										
Prepared & Analyzed: 10/30/19										
trans-1,2-Dichloroethylene	<0.50	0.50	ug/L							
cis-1,2-Dichloroethylene	<0.50	0.50	ug/L							
1,2-Dichloropropane	<0.50	0.50	ug/L							
2,2-Dichloropropane	<0.50	0.50	ug/L							
1,3-Dichloropropane	<0.50	0.50	ug/L							
cis-1,3-Dichloropropylene	<0.50	0.50	ug/L							
trans-1,3-Dichloropropylene	<0.50	0.50	ug/L							
1,1-Dichloropropylene	<0.50	0.50	ug/L							
Diisopropyl ether (DIPE)	<2.0	2.0	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Ethyl-tert-Butyl Ether (ETBE)	<2.0	2.0	ug/L							
Gasoline Range Organics (GRO)	<100	100	ug/L							
Hexachlorobutadiene	<1.0	1.0	ug/L							
2-Hexanone (MBK)	<10	10	ug/L							
Isopropylbenzene	<0.50	0.50	ug/L							
4-Isopropyltoluene	<1.0	1.0	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<1.2	1.2	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
4-Methyl-2-pentanone (MIBK)	<10	10	ug/L							
Naphthalene	<2.0	2.0	ug/L							
n-Propylbenzene	<0.50	0.50	ug/L							
Styrene	<0.50	0.50	ug/L							
1,1,1,2-Tetrachloroethane	<0.50	0.50	ug/L							
1,1,2,2-Tetrachloroethane	<0.50	0.50	ug/L							
Tetrachloroethylene (PCE)	<0.50	0.50	ug/L							
Toluene	<0.50	0.50	ug/L							
1,2,3-Trichlorobenzene	<0.50	0.50	ug/L							
1,2,4-Trichlorobenzene	<0.50	0.50	ug/L							
1,1,1-Trichloroethane	<0.50	0.50	ug/L							
1,1,2-Trichloroethane	<0.50	0.50	ug/L							
Trichloroethylene (TCE)	<0.50	0.50	ug/L							
Trichlorofluoromethane (R11)	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9J3028 - EPA 5030B</i>										
Blank (B9J3028-BLK1) Continued										
Prepared & Analyzed: 10/30/19										
1,2,3-Trichloropropane	<0.50	0.50	ug/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	0.50	ug/L							
1,3,5-Trimethylbenzene	<0.50	0.50	ug/L							
1,2,4-Trimethylbenzene	<0.50	0.50	ug/L							
Vinyl chloride	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
<i>Surrogate: 4-Bromofluorobenzene</i>	46.5		ug/L	50		92.9	80-129			
<i>Surrogate: Dibromofluoromethane</i>	45.9		ug/L	50		91.8	68-137			
<i>Surrogate: Toluene-d8</i>	45.8		ug/L	50		91.6	83-134			
LCS (B9J3028-BS1)										
Prepared & Analyzed: 10/30/19										
Acetone	18.4	10	ug/L	20		91.8	27-123			
tert-Amyl-Methyl Ether (TAME)	19.1	2.0	ug/L	20		95.7	58-133			
Benzene	19.8	0.50	ug/L	20		99.2	60-134			
Bromobenzene	21.9	0.50	ug/L	20		110	70-130			
Bromochloromethane	21.2	0.50	ug/L	20		106	78-121			
Bromodichloromethane	19.7	0.50	ug/L	20		98.4	74-135			
Bromoform	20.9	0.50	ug/L	20		104	68-132			
Bromomethane	21.8	0.50	ug/L	20		109	58-142			
2-Butanone (MEK)	18.9	10	ug/L	20		94.3	62-138			
tert-Butyl Alcohol (TBA)	88.5	10	ug/L	100		88.5	65-148			
sec-Butylbenzene	21.0	0.50	ug/L	20		105	84-142			
tert-Butylbenzene	21.8	0.50	ug/L	20		109	70-130			
n-Butylbenzene	20.8	0.50	ug/L	20		104	70-130			
Carbon Disulfide	17.2	0.50	ug/L	20		85.8	17-177			
Carbon Tetrachloride	20.0	0.50	ug/L	20		100	66-155			
Chlorobenzene	22.1	0.50	ug/L	20		110	70-130			
Chloroethane	21.0	0.50	ug/L	20		105	45-166			
Chloroform	18.6	0.50	ug/L	20		92.8	71-131			
Chloromethane	18.3	0.50	ug/L	20		91.4	48-152			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9J3028 - EPA 5030B</i>										
LCS (B9J3028-BS1) Continued										
Prepared & Analyzed: 10/30/19										
2-Chlorotoluene	20.9	0.50	ug/L	20		104	70-130			
4-Chlorotoluene	21.0	0.50	ug/L	20		105	70-130			
1,2-Dibromo-3-chloropropane	19.3	1.0	ug/L	20		96.6	53-145			
Dibromochloromethane	22.8	0.50	ug/L	20		114	72-133			
1,2-Dibromoethane (EDB)	22.3	0.50	ug/L	20		111	79-120			
Dibromomethane	19.8	0.50	ug/L	20		98.9	68-124			
1,3-Dichlorobenzene	21.5	0.50	ug/L	20		108	70-130			
1,2-Dichlorobenzene	22.0	0.50	ug/L	20		110	70-130			
1,4-Dichlorobenzene	21.6	0.50	ug/L	20		108	70-130			
Dichlorodifluoromethane (R12)	15.3	0.50	ug/L	20		76.4	16-148			
1,1-Dichloroethane	18.4	0.50	ug/L	20		92.0	67-120			
1,2-Dichloroethane (EDC)	17.4	0.50	ug/L	20		86.8	57-156			
1,1-Dichloroethylene	19.0	0.50	ug/L	20		94.9	50-149			
trans-1,2-Dichloroethylene	19.9	0.50	ug/L	20		99.6	66-126			
cis-1,2-Dichloroethylene	20.2	0.50	ug/L	20		101	70-124			
1,2-Dichloropropane	19.5	0.50	ug/L	20		97.4	53-139			
2,2-Dichloropropane	18.5	0.50	ug/L	20		92.5	44-162			
1,3-Dichloropropane	21.0	0.50	ug/L	20		105	79-113			
cis-1,3-Dichloropropylene	20.2	0.50	ug/L	20		101	67-127			
trans-1,3-Dichloropropylene	21.3	0.50	ug/L	20		106	76-121			
1,1-Dichloropropylene	19.8	0.50	ug/L	20		99.0	84-124			
Diisopropyl ether (DIPE)	18.9	2.0	ug/L	20		94.6	51-136			
Ethylbenzene	22.4	0.50	ug/L	20		112	86-124			
Ethyl-tert-Butyl Ether (ETBE)	18.7	2.0	ug/L	20		93.4	62-136			
Gasoline Range Organics (GRO)	501	100	ug/L	500		100	60-123			
Hexachlorobutadiene	21.2	1.0	ug/L	20		106	76-140			
2-Hexanone (MBK)	19.3	10	ug/L	20		96.4	52-123			
Isopropylbenzene	21.9	0.50	ug/L	20		110	70-130			
4-Isopropyltoluene	22.3	1.0	ug/L	20		112	70-130			
Methyl-tert-Butyl Ether (MTBE)	38.4	1.2	ug/L	40		96.1	58-144			
Methylene Chloride	17.5	5.0	ug/L	20		87.3	50-135			
4-Methyl-2-pentanone (MIBK)	20.6	10	ug/L	20		103	49-139			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9J3028 - EPA 5030B</i>										
LCS (B9J3028-BS1) Continued						Prepared & Analyzed: 10/30/19				
Naphthalene	23.4	2.0	ug/L	20		117	74-128			
n-Propylbenzene	20.7	0.50	ug/L	20		103	70-130			
Styrene	23.1	0.50	ug/L	20		116	84-123			
1,1,1,2-Tetrachloroethane	22.4	0.50	ug/L	20		112	70-130			
1,1,2,2-Tetrachloroethane	20.9	0.50	ug/L	20		104	58-126			
Tetrachloroethylene (PCE)	21.5	0.50	ug/L	20		108	70-130			
Toluene	21.4	0.50	ug/L	20		107	83-118			
1,2,3-Trichlorobenzene	21.1	0.50	ug/L	20		105	77-134			
1,2,4-Trichlorobenzene	21.7	0.50	ug/L	20		108	84-128			
1,1,1-Trichloroethane	19.9	0.50	ug/L	20		99.4	66-158			
1,1,2-Trichloroethane	21.5	0.50	ug/L	20		108	75-115			
Trichloroethylene (TCE)	20.0	0.50	ug/L	20		100	82-128			
Trichlorofluoromethane (R11)	16.1	0.50	ug/L	20		80.6	65-137			
1,2,3-Trichloropropane	20.3	0.50	ug/L	20		101	68-123			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	16.8	0.50	ug/L	20		83.8	62-130			
1,3,5-Trimethylbenzene	21.6	0.50	ug/L	20		108	70-130			
1,2,4-Trimethylbenzene	21.9	0.50	ug/L	20		109	70-130			
Vinyl chloride	19.2	0.50	ug/L	20		95.8	51-151			
o-Xylene	22.2	0.50	ug/L	20		111	70-130			
m,p-Xylenes	44.8	1.0	ug/L	40		112	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	44.8		ug/L	50		89.5	80-129			
<i>Surrogate: Dibromofluoromethane</i>	43.8		ug/L	50		87.6	68-137			
<i>Surrogate: Toluene-d8</i>	45.8		ug/L	50		91.6	83-134			
LCS Dup (B9J3028-BSD1)						Prepared & Analyzed: 10/30/19				
Acetone	16.5	10	ug/L	20		82.6	27-123	10.7	30	
tert-Amyl-Methyl Ether (TAME)	18.3	2.0	ug/L	20		91.6	58-133	4.32	30	
Benzene	18.4	0.50	ug/L	20		92.2	60-134	7.26	30	
Bromobenzene	20.5	0.50	ug/L	20		103	70-130	6.60	30	
Bromochloromethane	20.3	0.50	ug/L	20		102	78-121	4.43	30	
Bromodichloromethane	18.6	0.50	ug/L	20		92.8	74-135	5.80	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9J3028 - EPA 5030B</i>										
LCS Dup (B9J3028-BSD1) Continued										
Prepared & Analyzed: 10/30/19										
Bromoform	20.6	0.50	ug/L	20		103	68-132	1.40	30	
Bromomethane	17.8	0.50	ug/L	20		89.0	58-142	20.2	30	
2-Butanone (MEK)	16.9	10	ug/L	20		84.4	62-138	11.0	30	
tert-Butyl Alcohol (TBA)	85.9	10	ug/L	100		85.9	65-148	2.95	30	
sec-Butylbenzene	19.2	0.50	ug/L	20		95.8	84-142	9.11	30	
tert-Butylbenzene	20.2	0.50	ug/L	20		101	70-130	7.81	30	
n-Butylbenzene	19.0	0.50	ug/L	20		94.8	70-130	9.40	30	
Carbon Disulfide	16.2	0.50	ug/L	20		80.8	17-177	6.06	30	
Carbon Tetrachloride	19.2	0.50	ug/L	20		96.1	66-155	4.23	30	
Chlorobenzene	21.0	0.50	ug/L	20		105	70-130	5.01	30	
Chloroethane	19.7	0.50	ug/L	20		98.4	45-166	6.39	30	
Chloroform	17.4	0.50	ug/L	20		86.8	71-131	6.62	30	
Chloromethane	16.7	0.50	ug/L	20		83.6	48-152	8.91	30	
2-Chlorotoluene	19.1	0.50	ug/L	20		95.4	70-130	8.91	30	
4-Chlorotoluene	19.4	0.50	ug/L	20		97.2	70-130	7.52	30	
1,2-Dibromo-3-chloropropane	17.7	1.0	ug/L	20		88.6	53-145	8.64	30	
Dibromochloromethane	22.0	0.50	ug/L	20		110	72-133	3.71	30	
1,2-Dibromoethane (EDB)	21.2	0.50	ug/L	20		106	79-120	5.16	30	
Dibromomethane	19.2	0.50	ug/L	20		96.2	68-124	2.82	30	
1,3-Dichlorobenzene	20.0	0.50	ug/L	20		100	70-130	7.12	30	
1,2-Dichlorobenzene	20.6	0.50	ug/L	20		103	70-130	6.54	30	
1,4-Dichlorobenzene	20.1	0.50	ug/L	20		101	70-130	7.33	30	
Dichlorodifluoromethane (R12)	14.2	0.50	ug/L	20		70.8	16-148	7.54	30	
1,1-Dichloroethane	16.9	0.50	ug/L	20		84.4	67-120	8.62	30	
1,2-Dichloroethane (EDC)	16.0	0.50	ug/L	20		80.2	57-156	7.85	30	
1,1-Dichloroethylene	17.6	0.50	ug/L	20		87.8	50-149	7.77	30	
trans-1,2-Dichloroethylene	18.3	0.50	ug/L	20		91.6	66-126	8.47	30	
cis-1,2-Dichloroethylene	18.8	0.50	ug/L	20		93.8	70-124	7.54	30	
1,2-Dichloropropane	18.0	0.50	ug/L	20		90.2	53-139	7.73	30	
2,2-Dichloropropane	15.7	0.50	ug/L	20		78.4	44-162	16.6	30	
1,3-Dichloropropane	20.1	0.50	ug/L	20		100	79-113	4.48	30	
cis-1,3-Dichloropropylene	18.4	0.50	ug/L	20		92.1	67-127	9.22	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9J3028 - EPA 5030B</i>										
LCS Dup (B9J3028-BSD1) Continued										
Prepared & Analyzed: 10/30/19										
trans-1,3-Dichloropropylene	19.8	0.50	ug/L	20		99.1	76-121	7.15	30	
1,1-Dichloropropylene	18.5	0.50	ug/L	20		92.7	84-124	6.52	30	
Diisopropyl ether (DIPE)	17.8	2.0	ug/L	20		88.8	51-136	6.27	30	
Ethylbenzene	20.8	0.50	ug/L	20		104	86-124	7.31	30	
Ethyl-tert-Butyl Ether (ETBE)	17.8	2.0	ug/L	20		89.0	62-136	4.77	30	
Gasoline Range Organics (GRO)	491	100	ug/L	500		98.1	60-123	2.13	30	
Hexachlorobutadiene	19.7	1.0	ug/L	20		98.6	76-140	7.24	30	
2-Hexanone (MBK)	17.7	10	ug/L	20		88.6	52-123	8.32	30	
Isopropylbenzene	20.2	0.50	ug/L	20		101	70-130	7.97	30	
4-Isopropyltoluene	20.3	1.0	ug/L	20		101	70-130	9.49	30	
Methyl-tert-Butyl Ether (MTBE)	36.9	1.2	ug/L	40		92.3	58-144	4.01	30	
Methylene Chloride	16.3	5.0	ug/L	20		81.4	50-135	7.06	30	
4-Methyl-2-pentanone (MIBK)	18.6	10	ug/L	20		92.8	49-139	10.6	30	
Naphthalene	20.6	2.0	ug/L	20		103	74-128	12.5	30	
n-Propylbenzene	18.8	0.50	ug/L	20		94.2	70-130	9.31	30	
Styrene	21.2	0.50	ug/L	20		106	84-123	8.34	30	
1,1,1,2-Tetrachloroethane	21.7	0.50	ug/L	20		108	70-130	3.36	30	
1,1,2,2-Tetrachloroethane	19.9	0.50	ug/L	20		99.7	58-126	4.70	30	
Tetrachloroethylene (PCE)	21.2	0.50	ug/L	20		106	70-130	1.40	30	
Toluene	20.2	0.50	ug/L	20		101	83-118	5.97	30	
1,2,3-Trichlorobenzene	19.5	0.50	ug/L	20		97.6	77-134	7.64	30	
1,2,4-Trichlorobenzene	20.1	0.50	ug/L	20		100	84-128	7.62	30	
1,1,1-Trichloroethane	18.6	0.50	ug/L	20		93.0	66-158	6.66	30	
1,1,2-Trichloroethane	19.9	0.50	ug/L	20		99.5	75-115	7.92	30	
Trichloroethylene (TCE)	18.6	0.50	ug/L	20		93.2	82-128	7.09	30	
Trichlorofluoromethane (R11)	18.6	0.50	ug/L	20		93.0	65-137	14.3	30	
1,2,3-Trichloropropane	18.8	0.50	ug/L	20		94.2	68-123	7.46	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	16.4	0.50	ug/L	20		81.8	62-130	2.36	30	
1,3,5-Trimethylbenzene	20.0	0.50	ug/L	20		100	70-130	7.65	30	
1,2,4-Trimethylbenzene	20.0	0.50	ug/L	20		100	70-130	8.88	30	
Vinyl chloride	17.8	0.50	ug/L	20		89.1	51-151	7.25	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9J3028 - EPA 5030B</i>										
LCS Dup (B9J3028-BSD1) Continued										
Prepared & Analyzed: 10/30/19										
o-Xylene	20.6	0.50	ug/L	20	103	70-130	7.53	30		
m,p-Xylenes	42.3	1.0	ug/L	40	106	70-130	5.63	30		
<i>Surrogate: 4-Bromofluorobenzene</i>	43.4		ug/L	50	86.8	80-129				
<i>Surrogate: Dibromofluoromethane</i>	43.2		ug/L	50	86.4	68-137				
<i>Surrogate: Toluene-d8</i>	45.2		ug/L	50	90.5	83-134				
Matrix Spike (B9J3028-MS1)										
Source: 9J29011-10 Prepared & Analyzed: 10/30/19										
Acetone	18.6	10	ug/L	20	93.0	11-169				
tert-Amyl-Methyl Ether (TAME)	18.2	2.0	ug/L	20	91.0	66-133				
Benzene	18.9	0.50	ug/L	20	94.4	56-135				
Bromobenzene	22.2	0.50	ug/L	20	111	70-130				
Bromochloromethane	21.0	0.50	ug/L	20	105	74-125				
Bromodichloromethane	19.1	0.50	ug/L	20	95.6	68-144				
Bromoform	21.9	0.50	ug/L	20	110	68-151				
Bromomethane	17.1	0.50	ug/L	20	85.6	54-142				
2-Butanone (MEK)	17.4	10	ug/L	20	86.8	62-145				
tert-Butyl Alcohol (TBA)	89.2	10	ug/L	100	89.2	73-162				
sec-Butylbenzene	20.2	0.50	ug/L	20	101	84-145				
tert-Butylbenzene	21.3	0.50	ug/L	20	106	70-130				
n-Butylbenzene	19.8	0.50	ug/L	20	99.0	70-130				
Carbon Disulfide	16.2	0.50	ug/L	20	81.2	28-151				
Carbon Tetrachloride	19.8	0.50	ug/L	20	98.8	58-164				
Chlorobenzene	21.9	0.50	ug/L	20	109	70-130				
Chloroethane	20.0	0.50	ug/L	20	100	42-164				
Chloroform	18.0	0.50	ug/L	20	90.2	65-138				
Chloromethane	16.1	0.50	ug/L	20	80.4	50-152				
2-Chlorotoluene	19.9	0.50	ug/L	20	99.4	70-130				
4-Chlorotoluene	20.4	0.50	ug/L	20	102	70-130				
1,2-Dibromo-3-chloropropane	18.9	1.0	ug/L	20	94.6	53-161				
Dibromochloromethane	23.2	0.50	ug/L	20	116	70-130				
1,2-Dibromoethane (EDB)	22.4	0.50	ug/L	20	112	76-130				
Dibromomethane	19.8	0.50	ug/L	20	99.2	62-135				

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9J3028 - EPA 5030B</i>										
Matrix Spike (B9J3028-MS1) Continued Source: 9J29011-10 Prepared & Analyzed: 10/30/19										
1,3-Dichlorobenzene	21.3	0.50	ug/L	20		107	70-130			
1,2-Dichlorobenzene	22.0	0.50	ug/L	20		110	70-130			
1,4-Dichlorobenzene	21.4	0.50	ug/L	20		107	70-130			
Dichlorodifluoromethane (R12)	13.5	0.50	ug/L	20		67.4	17-153			
1,1-Dichloroethane	16.7	0.50	ug/L	20		83.6	55-131			
1,2-Dichloroethane (EDC)	16.4	0.50	ug/L	20		82.0	52-168			
1,1-Dichloroethylene	17.8	0.50	ug/L	20		88.9	51-140			
trans-1,2-Dichloroethylene	18.7	0.50	ug/L	20		93.5	59-127			
cis-1,2-Dichloroethylene	19.6	0.50	ug/L	20		98.2	70-130			
1,2-Dichloropropane	18.5	0.50	ug/L	20		92.5	52-142			
2,2-Dichloropropane	16.3	0.50	ug/L	20		81.6	36-168			
1,3-Dichloropropane	20.6	0.50	ug/L	20		103	80-121			
cis-1,3-Dichloropropylene	19.0	0.50	ug/L	20		95.2	66-130			
trans-1,3-Dichloropropylene	20.7	0.50	ug/L	20		104	78-130			
1,1-Dichloropropylene	18.7	0.50	ug/L	20		93.7	76-132			
Diisopropyl ether (DIPE)	18.0	2.0	ug/L	20		90.0	52-138			
Ethylbenzene	21.8	0.50	ug/L	20		109	86-128			
Ethyl-tert-Butyl Ether (ETBE)	18.4	2.0	ug/L	20		91.8	64-137			
Gasoline Range Organics (GRO)	ND	100	ug/L	500			70-130			
Hexachlorobutadiene	21.9	1.0	ug/L	20		110	70-130			
2-Hexanone (MBK)	19.0	10	ug/L	20		95.0	52-141			
Isopropylbenzene	21.1	0.50	ug/L	20		105	70-130			
4-Isopropyltoluene	21.5	1.0	ug/L	20		108	83-149			
Methyl-tert-Butyl Ether (MTBE)	38.7	1.2	ug/L	40		96.7	56-150			
Methylene Chloride	16.2	5.0	ug/L	20		80.8	70-130			
4-Methyl-2-pentanone (MIBK)	19.9	10	ug/L	20		99.3	60-148			
Naphthalene	22.9	2.0	ug/L	20		114	70-130			
n-Propylbenzene	19.8	0.50	ug/L	20		98.8	70-130			
Styrene	22.2	0.50	ug/L	20		111	65-141			
1,1,1,2-Tetrachloroethane	22.8	0.50	ug/L	20		114	70-130			
1,1,2,2-Tetrachloroethane	20.8	0.50	ug/L	20		104	62-134			
Tetrachloroethylene (PCE)	22.4	0.50	ug/L	20		112	70-130			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9J3028 - EPA 5030B</i>										
Matrix Spike (B9J3028-MS1) Continued Source: 9J29011-10 Prepared & Analyzed: 10/30/19										
Toluene	20.8	0.50	ug/L	20		104	81-123			
1,2,3-Trichlorobenzene	21.3	0.50	ug/L	20		106	73-144			
1,2,4-Trichlorobenzene	21.5	0.50	ug/L	20		107	80-137			
1,1,1-Trichloroethane	19.1	0.50	ug/L	20		95.7	62-164			
1,1,2-Trichloroethane	21.3	0.50	ug/L	20		107	76-122			
Trichloroethylene (TCE)	19.2	0.50	ug/L	20		96.2	72-136			
Trichlorofluoromethane (R11)	18.0	0.50	ug/L	20		89.8	59-144			
1,2,3-Trichloropropane	20.1	0.50	ug/L	20		100	69-135			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	16.1	0.50	ug/L	20		80.5	62-126			
1,3,5-Trimethylbenzene	20.9	0.50	ug/L	20		105	70-130			
1,2,4-Trimethylbenzene	21.0	0.50	ug/L	20		105	89-134			
Vinyl chloride	16.2	0.50	ug/L	20		81.2	54-150			
o-Xylene	21.8	0.50	ug/L	20		109	70-130			
m,p-Xylenes	44.2	1.0	ug/L	40		110	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	43.6		ug/L	50		87.1	80-129			
<i>Surrogate: Dibromofluoromethane</i>	41.4		ug/L	50		82.7	68-137			
<i>Surrogate: Toluene-d8</i>	44.9		ug/L	50		89.8	83-134			
Matrix Spike Dup (B9J3028-MSD1) Source: 9J29011-10 Prepared & Analyzed: 10/30/19										
Acetone	18.1	10	ug/L	20		90.4	11-169	2.78	30	
tert-Amyl-Methyl Ether (TAME)	18.7	2.0	ug/L	20		93.4	66-133	2.71	30	
Benzene	18.8	0.50	ug/L	20		94.1	56-135	0.318	30	
Bromobenzene	22.2	0.50	ug/L	20		111	70-130	0.135	30	
Bromochloromethane	21.4	0.50	ug/L	20		107	74-125	1.98	30	
Bromodichloromethane	18.8	0.50	ug/L	20		94.0	68-144	1.69	30	
Bromoform	22.2	0.50	ug/L	20		111	68-151	1.27	30	
Bromomethane	19.7	0.50	ug/L	20		98.6	54-142	14.0	30	
2-Butanone (MEK)	18.8	10	ug/L	20		93.8	62-145	7.64	30	
tert-Butyl Alcohol (TBA)	93.5	10	ug/L	100		93.5	73-162	4.69	30	
sec-Butylbenzene	20.4	0.50	ug/L	20		102	84-145	0.837	30	
tert-Butylbenzene	21.4	0.50	ug/L	20		107	70-130	0.702	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9J3028 - EPA 5030B</i>										
Matrix Spike Dup (B9J3028-MSD1) Source: 9J29011-10 Prepared & Analyzed: 10/30/19										
Continued										
n-Butylbenzene	20.0	0.50	ug/L	20		100	70-130	1.11	30	
Carbon Disulfide	16.0	0.50	ug/L	20		80.2	28-151	1.12	30	
Carbon Tetrachloride	19.7	0.50	ug/L	20		98.5	58-164	0.253	30	
Chlorobenzene	21.9	0.50	ug/L	20		110	70-130	0.274	30	
Chloroethane	19.5	0.50	ug/L	20		97.6	42-164	2.73	30	
Chloroform	17.7	0.50	ug/L	20		88.6	65-138	1.85	30	
Chloromethane	16.1	0.50	ug/L	20		80.3	50-152	0.124	30	
2-Chlorotoluene	20.2	0.50	ug/L	20		101	70-130	1.69	30	
4-Chlorotoluene	20.4	0.50	ug/L	20		102	70-130	0.0490	30	
1,2-Dibromo-3-chloropropane	20.1	1.0	ug/L	20		100	53-161	5.95	30	
Dibromochloromethane	23.6	0.50	ug/L	20		118	70-130	1.76	30	
1,2-Dibromoethane (EDB)	22.6	0.50	ug/L	20		113	76-130	0.934	30	
Dibromomethane	19.8	0.50	ug/L	20		99.0	62-135	0.252	30	
1,3-Dichlorobenzene	21.4	0.50	ug/L	20		107	70-130	0.234	30	
1,2-Dichlorobenzene	22.2	0.50	ug/L	20		111	70-130	1.27	30	
1,4-Dichlorobenzene	21.7	0.50	ug/L	20		108	70-130	1.49	30	
Dichlorodifluoromethane (R12)	13.5	0.50	ug/L	20		67.3	17-153	0.223	30	
1,1-Dichloroethane	17.5	0.50	ug/L	20		87.6	55-131	4.56	30	
1,2-Dichloroethane (EDC)	16.8	0.50	ug/L	20		84.1	52-168	2.53	30	
1,1-Dichloroethylene	17.8	0.50	ug/L	20		89.1	51-140	0.225	30	
trans-1,2-Dichloroethylene	18.6	0.50	ug/L	20		93.0	59-127	0.482	30	
cis-1,2-Dichloroethylene	19.4	0.50	ug/L	20		97.2	70-130	0.972	30	
1,2-Dichloropropane	18.5	0.50	ug/L	20		92.5	52-142	0.00	30	
2,2-Dichloropropane	16.3	0.50	ug/L	20		81.4	36-168	0.123	30	
1,3-Dichloropropane	20.8	0.50	ug/L	20		104	80-121	1.01	30	
cis-1,3-Dichloropropylene	19.1	0.50	ug/L	20		95.4	66-130	0.210	30	
trans-1,3-Dichloropropylene	20.9	0.50	ug/L	20		104	78-130	0.770	30	
1,1-Dichloropropylene	18.8	0.50	ug/L	20		93.8	76-132	0.107	30	
Diisopropyl ether (DIPE)	18.0	2.0	ug/L	20		90.2	52-138	0.111	30	
Ethylbenzene	22.0	0.50	ug/L	20		110	86-128	0.913	30	
Ethyl-tert-Butyl Ether (ETBE)	18.3	2.0	ug/L	20		91.6	64-137	0.218	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9J3028 - EPA 5030B</i>										
Matrix Spike Dup (B9J3028-MSD1) Source: 9J29011-10 Prepared: 10/30/19 Analyzed: 11/21/19										
Continued										
Gasoline Range Organics (GRO)	ND	100	ug/L	500			70-130		30	
Hexachlorobutadiene	21.9	1.0	ug/L	20		109	70-130	0.228	30	
2-Hexanone (MBK)	19.7	10	ug/L	20		98.6	52-141	3.67	30	
Isopropylbenzene	21.5	0.50	ug/L	20		108	70-130	2.07	30	
4-Isopropyltoluene	21.8	1.0	ug/L	20		109	83-149	1.43	30	
Methyl-tert-Butyl Ether (MTBE)	38.7	1.2	ug/L	40		96.7	56-150	0.00	30	
Methylene Chloride	16.2	5.0	ug/L	20		81.1	70-130	0.371	30	
4-Methyl-2-pentanone (MIBK)	20.7	10	ug/L	20		103	60-148	4.00	30	
Naphthalene	24.7	2.0	ug/L	20		123	70-130	7.57	30	
n-Propylbenzene	19.9	0.50	ug/L	20		99.6	70-130	0.807	30	
Styrene	22.2	0.50	ug/L	20		111	65-141	0.0902	30	
1,1,1,2-Tetrachloroethane	22.8	0.50	ug/L	20		114	70-130	0.0876	30	
1,1,2,2-Tetrachloroethane	21.3	0.50	ug/L	20		106	62-134	2.42	30	
Tetrachloroethylene (PCE)	22.5	0.50	ug/L	20		112	70-130	0.624	30	
Toluene	20.9	0.50	ug/L	20		105	81-123	0.575	30	
1,2,3-Trichlorobenzene	22.4	0.50	ug/L	20		112	73-144	5.31	30	
1,2,4-Trichlorobenzene	22.3	0.50	ug/L	20		112	80-137	3.79	30	
1,1,1-Trichloroethane	19.0	0.50	ug/L	20		95.1	62-164	0.629	30	
1,1,2-Trichloroethane	21.7	0.50	ug/L	20		108	76-122	1.63	30	
Trichloroethylene (TCE)	19.1	0.50	ug/L	20		95.4	72-136	0.783	30	
Trichlorofluoromethane (R11)	18.2	0.50	ug/L	20		91.1	59-144	1.49	30	
1,2,3-Trichloropropane	20.8	0.50	ug/L	20		104	69-135	3.62	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	16.0	0.50	ug/L	20		80.0	62-126	0.623	30	
1,3,5-Trimethylbenzene	20.9	0.50	ug/L	20		104	70-130	0.335	30	
1,2,4-Trimethylbenzene	21.0	0.50	ug/L	20		105	89-134	0.238	30	
Vinyl chloride	15.2	0.50	ug/L	20		76.1	54-150	6.55	30	
o-Xylene	21.6	0.50	ug/L	20		108	70-130	0.737	30	
m,p-Xylenes	44.0	1.0	ug/L	40		110	70-130	0.363	30	
Surrogate: 4-Bromofluorobenzene	43.6		ug/L	50		87.2	80-129			
Surrogate: Dibromofluoromethane	43.1		ug/L	50		86.2	68-137			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9J3028 - EPA 5030B</i>										
Matrix Spike Dup (B9J3028-MSD1) Source: 9J29011-10 Prepared & Analyzed: 10/30/19										
Continued										
<i>Surrogate: Toluene-d8</i>	45.4		ug/L	50		90.8	83-134			
<i>Batch B9K0101 - EPA 5030B</i>										
Blank (B9K0101-BLK1) Prepared & Analyzed: 11/01/19										
Acetone	<10	10	ug/L							
tert-Amyl-Methyl Ether (TAME)	<2.0	2.0	ug/L							
Benzene	<0.50	0.50	ug/L							
Bromobenzene	<0.50	0.50	ug/L							
Bromochloromethane	<0.50	0.50	ug/L							
Bromodichloromethane	<0.50	0.50	ug/L							
Bromoform	<0.50	0.50	ug/L							
Bromomethane	<0.50	0.50	ug/L							
2-Butanone (MEK)	<10	10	ug/L							
tert-Butyl Alcohol (TBA)	<10	10	ug/L							
sec-Butylbenzene	<0.50	0.50	ug/L							
tert-Butylbenzene	<0.50	0.50	ug/L							
n-Butylbenzene	<0.50	0.50	ug/L							
Carbon Disulfide	<0.50	0.50	ug/L							
Carbon Tetrachloride	<0.50	0.50	ug/L							
Chlorobenzene	<0.50	0.50	ug/L							
Chloroethane	<0.50	0.50	ug/L							
Chloroform	<0.50	0.50	ug/L							
Chloromethane	<0.50	0.50	ug/L							
2-Chlorotoluene	<0.50	0.50	ug/L							
4-Chlorotoluene	<0.50	0.50	ug/L							
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L							
Dibromochloromethane	<0.50	0.50	ug/L							
1,2-Dibromoethane (EDB)	<0.50	0.50	ug/L							
Dibromomethane	<0.50	0.50	ug/L							
1,3-Dichlorobenzene	<0.50	0.50	ug/L							
1,2-Dichlorobenzene	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K0101 - EPA 5030B</i>										
Blank (B9K0101-BLK1) Continued										
Prepared & Analyzed: 11/01/19										
1,4-Dichlorobenzene	<0.50	0.50	ug/L							
Dichlorodifluoromethane (R12)	<0.50	0.50	ug/L							
1,1-Dichloroethane	<0.50	0.50	ug/L							
1,2-Dichloroethane (EDC)	<0.50	0.50	ug/L							
1,1-Dichloroethylene	<0.50	0.50	ug/L							
trans-1,2-Dichloroethylene	<0.50	0.50	ug/L							
cis-1,2-Dichloroethylene	<0.50	0.50	ug/L							
1,2-Dichloropropane	<0.50	0.50	ug/L							
2,2-Dichloropropane	<0.50	0.50	ug/L							
1,3-Dichloropropane	<0.50	0.50	ug/L							
cis-1,3-Dichloropropylene	<0.50	0.50	ug/L							
trans-1,3-Dichloropropylene	<0.50	0.50	ug/L							
1,1-Dichloropropylene	<0.50	0.50	ug/L							
Diisopropyl ether (DIPE)	<2.0	2.0	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Ethyl-tert-Butyl Ether (ETBE)	<2.0	2.0	ug/L							
Gasoline Range Organics (GRO)	<100	100	ug/L							
Hexachlorobutadiene	<1.0	1.0	ug/L							
2-Hexanone (MBK)	<10	10	ug/L							
Isopropylbenzene	<0.50	0.50	ug/L							
4-Isopropyltoluene	<1.0	1.0	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<1.2	1.2	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
4-Methyl-2-pentanone (MIBK)	<10	10	ug/L							
Naphthalene	<2.0	2.0	ug/L							
n-Propylbenzene	<0.50	0.50	ug/L							
Styrene	<0.50	0.50	ug/L							
1,1,1,2-Tetrachloroethane	<0.50	0.50	ug/L							
1,1,2,2-Tetrachloroethane	<0.50	0.50	ug/L							
Tetrachloroethylene (PCE)	<0.50	0.50	ug/L							
Toluene	<0.50	0.50	ug/L							
1,2,3-Trichlorobenzene	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K0101 - EPA 5030B</i>										
Blank (B9K0101-BLK1) Continued										
Prepared & Analyzed: 11/01/19										
1,2,4-Trichlorobenzene	<0.50	0.50	ug/L							
1,1,1-Trichloroethane	<0.50	0.50	ug/L							
1,1,2-Trichloroethane	<0.50	0.50	ug/L							
Trichloroethylene (TCE)	<0.50	0.50	ug/L							
Trichlorofluoromethane (R11)	<0.50	0.50	ug/L							
1,2,3-Trichloropropane	<0.50	0.50	ug/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	0.50	ug/L							
1,3,5-Trimethylbenzene	<0.50	0.50	ug/L							
1,2,4-Trimethylbenzene	<0.50	0.50	ug/L							
Vinyl chloride	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
<i>Surrogate: 4-Bromofluorobenzene</i>	46.9		ug/L	50		93.9	80-129			
<i>Surrogate: Dibromofluoromethane</i>	47.9		ug/L	50		95.7	68-137			
<i>Surrogate: Toluene-d8</i>	46.3		ug/L	50		92.6	83-134			
LCS (B9K0101-BS1)										
Prepared & Analyzed: 11/01/19										
Acetone	23.2	10	ug/L	20		116	27-123			
tert-Amyl-Methyl Ether (TAME)	19.8	2.0	ug/L	20		99.0	58-133			
Benzene	20.7	0.50	ug/L	20		104	60-134			
Bromobenzene	21.1	0.50	ug/L	20		106	70-130			
Bromochloromethane	22.2	0.50	ug/L	20		111	78-121			
Bromodichloromethane	20.7	0.50	ug/L	20		104	74-135			
Bromoform	19.7	0.50	ug/L	20		98.3	68-132			
Bromomethane	25.5	0.50	ug/L	20		127	58-142			
2-Butanone (MEK)	18.3	10	ug/L	20		91.6	62-138			
tert-Butyl Alcohol (TBA)	87.8	10	ug/L	100		87.8	65-148			
sec-Butylbenzene	21.1	0.50	ug/L	20		106	84-142			
tert-Butylbenzene	22.0	0.50	ug/L	20		110	70-130			
n-Butylbenzene	21.3	0.50	ug/L	20		106	70-130			
Carbon Disulfide	17.9	0.50	ug/L	20		89.4	17-177			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K0101 - EPA 5030B</i>										
LCS (B9K0101-BS1) Continued										
Prepared & Analyzed: 11/01/19										
Carbon Tetrachloride	20.8	0.50	ug/L	20		104	66-155			
Chlorobenzene	21.8	0.50	ug/L	20		109	70-130			
Chloroethane	23.6	0.50	ug/L	20		118	45-166			
Chloroform	20.3	0.50	ug/L	20		102	71-131			
Chloromethane	20.2	0.50	ug/L	20		101	48-152			
2-Chlorotoluene	21.4	0.50	ug/L	20		107	70-130			
4-Chlorotoluene	21.5	0.50	ug/L	20		108	70-130			
1,2-Dibromo-3-chloropropane	18.9	1.0	ug/L	20		94.6	53-145			
Dibromochloromethane	21.9	0.50	ug/L	20		109	72-133			
1,2-Dibromoethane (EDB)	21.7	0.50	ug/L	20		108	79-120			
Dibromomethane	21.8	0.50	ug/L	20		109	68-124			
1,3-Dichlorobenzene	21.4	0.50	ug/L	20		107	70-130			
1,2-Dichlorobenzene	21.7	0.50	ug/L	20		108	70-130			
1,4-Dichlorobenzene	21.6	0.50	ug/L	20		108	70-130			
Dichlorodifluoromethane (R12)	16.0	0.50	ug/L	20		79.9	16-148			
1,1-Dichloroethane	20.0	0.50	ug/L	20		100	67-120			
1,2-Dichloroethane (EDC)	19.1	0.50	ug/L	20		95.4	57-156			
1,1-Dichloroethylene	19.8	0.50	ug/L	20		99.2	50-149			
trans-1,2-Dichloroethylene	21.0	0.50	ug/L	20		105	66-126			
cis-1,2-Dichloroethylene	21.4	0.50	ug/L	20		107	70-124			
1,2-Dichloropropane	20.7	0.50	ug/L	20		103	53-139			
2,2-Dichloropropane	19.9	0.50	ug/L	20		99.7	44-162			
1,3-Dichloropropane	20.4	0.50	ug/L	20		102	79-113			
cis-1,3-Dichloropropylene	21.3	0.50	ug/L	20		107	67-127			
trans-1,3-Dichloropropylene	21.0	0.50	ug/L	20		105	76-121			
1,1-Dichloropropylene	21.1	0.50	ug/L	20		105	84-124			
Diisopropyl ether (DIPE)	20.1	2.0	ug/L	20		100	51-136			
Ethylbenzene	22.2	0.50	ug/L	20		111	86-124			
Ethyl-tert-Butyl Ether (ETBE)	19.6	2.0	ug/L	20		98.0	62-136			
Gasoline Range Organics (GRO)	533	100	ug/L	500		107	60-123			
Hexachlorobutadiene	20.7	1.0	ug/L	20		104	76-140			
2-Hexanone (MBK)	17.9	10	ug/L	20		89.6	52-123			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K0101 - EPA 5030B</i>										
LCS (B9K0101-BS1) Continued										
Prepared & Analyzed: 11/01/19										
Isopropylbenzene	22.0	0.50	ug/L	20		110	70-130			
4-Isopropyltoluene	22.4	1.0	ug/L	20		112	70-130			
Methyl-tert-Butyl Ether (MTBE)	39.6	1.2	ug/L	40		99.1	58-144			
Methylene Chloride	18.6	5.0	ug/L	20		93.2	50-135			
4-Methyl-2-pentanone (MIBK)	20.8	10	ug/L	20		104	49-139			
Naphthalene	23.2	2.0	ug/L	20		116	74-128			
n-Propylbenzene	21.0	0.50	ug/L	20		105	70-130			
Styrene	22.6	0.50	ug/L	20		113	84-123			
1,1,1,2-Tetrachloroethane	22.0	0.50	ug/L	20		110	70-130			
1,1,2,2-Tetrachloroethane	20.4	0.50	ug/L	20		102	58-126			
Tetrachloroethylene (PCE)	21.1	0.50	ug/L	20		105	70-130			
Toluene	21.2	0.50	ug/L	20		106	83-118			
1,2,3-Trichlorobenzene	20.7	0.50	ug/L	20		104	77-134			
1,2,4-Trichlorobenzene	21.4	0.50	ug/L	20		107	84-128			
1,1,1-Trichloroethane	20.6	0.50	ug/L	20		103	66-158			
1,1,2-Trichloroethane	21.3	0.50	ug/L	20		106	75-115			
Trichloroethylene (TCE)	21.1	0.50	ug/L	20		105	82-128			
Trichlorofluoromethane (R11)	18.7	0.50	ug/L	20		93.6	65-137			
1,2,3-Trichloropropane	19.8	0.50	ug/L	20		99.0	68-123			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	17.7	0.50	ug/L	20		88.6	62-130			
1,3,5-Trimethylbenzene	21.8	0.50	ug/L	20		109	70-130			
1,2,4-Trimethylbenzene	22.2	0.50	ug/L	20		111	70-130			
Vinyl chloride	20.4	0.50	ug/L	20		102	51-151			
o-Xylene	21.7	0.50	ug/L	20		109	70-130			
m,p-Xylenes	44.4	1.0	ug/L	40		111	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	45.3		ug/L	50		90.6	80-129			
<i>Surrogate: Dibromofluoromethane</i>	46.1		ug/L	50		92.1	68-137			
<i>Surrogate: Toluene-d8</i>	46.0		ug/L	50		92.0	83-134			
LCS Dup (B9K0101-BSD1)										
Prepared & Analyzed: 11/01/19										
Acetone	19.1	10	ug/L	20		95.6	27-123	19.3	30	

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K0101 - EPA 5030B</i>										
LCS Dup (B9K0101-BSD1) Continued					Prepared & Analyzed: 11/01/19					
tert-Amyl-Methyl Ether (TAME)	18.9	2.0	ug/L	20		94.6	58-133	4.65	30	
Benzene	19.4	0.50	ug/L	20		97.0	60-134	6.68	30	
Bromobenzene	22.0	0.50	ug/L	20		110	70-130	4.26	30	
Bromochloromethane	20.8	0.50	ug/L	20		104	78-121	6.60	30	
Bromodichloromethane	19.5	0.50	ug/L	20		97.6	74-135	5.96	30	
Bromoform	21.0	0.50	ug/L	20		105	68-132	6.78	30	
Bromomethane	18.7	0.50	ug/L	20		93.6	58-142	30.6	30	QR-02
2-Butanone (MEK)	17.9	10	ug/L	20		89.5	62-138	2.26	30	
tert-Butyl Alcohol (TBA)	87.2	10	ug/L	100		87.2	65-148	0.766	30	
sec-Butylbenzene	20.8	0.50	ug/L	20		104	84-142	1.33	30	
tert-Butylbenzene	21.8	0.50	ug/L	20		109	70-130	0.869	30	
n-Butylbenzene	20.5	0.50	ug/L	20		102	70-130	3.83	30	
Carbon Disulfide	16.3	0.50	ug/L	20		81.5	17-177	9.30	30	
Carbon Tetrachloride	20.0	0.50	ug/L	20		100	66-155	3.83	30	
Chlorobenzene	21.8	0.50	ug/L	20		109	70-130	0.275	30	
Chloroethane	20.4	0.50	ug/L	20		102	45-166	14.7	30	
Chloroform	18.3	0.50	ug/L	20		91.6	71-131	10.2	30	
Chloromethane	17.5	0.50	ug/L	20		87.6	48-152	14.1	30	
2-Chlorotoluene	20.6	0.50	ug/L	20		103	70-130	3.53	30	
4-Chlorotoluene	20.9	0.50	ug/L	20		104	70-130	2.97	30	
1,2-Dibromo-3-chloropropane	18.9	1.0	ug/L	20		94.4	53-145	0.159	30	
Dibromochloromethane	22.6	0.50	ug/L	20		113	72-133	3.24	30	
1,2-Dibromoethane (EDB)	22.1	0.50	ug/L	20		110	79-120	1.78	30	
Dibromomethane	20.0	0.50	ug/L	20		100	68-124	8.43	30	
1,3-Dichlorobenzene	21.6	0.50	ug/L	20		108	70-130	1.25	30	
1,2-Dichlorobenzene	21.8	0.50	ug/L	20		109	70-130	0.506	30	
1,4-Dichlorobenzene	21.6	0.50	ug/L	20		108	70-130	0.00	30	
Dichlorodifluoromethane (R12)	14.6	0.50	ug/L	20		73.2	16-148	8.82	30	
1,1-Dichloroethane	17.1	0.50	ug/L	20		85.4	67-120	15.9	30	
1,2-Dichloroethane (EDC)	16.8	0.50	ug/L	20		83.8	57-156	12.9	30	
1,1-Dichloroethylene	18.0	0.50	ug/L	20		90.1	50-149	9.56	30	
trans-1,2-Dichloroethylene	19.1	0.50	ug/L	20		95.6	66-126	9.56	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K0101 - EPA 5030B</i>										
LCS Dup (B9K0101-BSD1) Continued										
Prepared & Analyzed: 11/01/19										
cis-1,2-Dichloroethylene	19.9	0.50	ug/L	20		99.4	70-124	7.17	30	
1,2-Dichloropropane	18.9	0.50	ug/L	20		94.7	53-139	8.78	30	
2,2-Dichloropropane	15.8	0.50	ug/L	20		79.2	44-162	23.0	30	
1,3-Dichloropropane	20.5	0.50	ug/L	20		102	79-113	0.343	30	
cis-1,3-Dichloropropylene	19.3	0.50	ug/L	20		96.6	67-127	9.85	30	
trans-1,3-Dichloropropylene	20.4	0.50	ug/L	20		102	76-121	3.00	30	
1,1-Dichloropropylene	19.2	0.50	ug/L	20		96.2	84-124	8.98	30	
Diisopropyl ether (DIPE)	18.6	2.0	ug/L	20		93.1	51-136	7.45	30	
Ethylbenzene	22.0	0.50	ug/L	20		110	86-124	0.950	30	
Ethyl-tert-Butyl Ether (ETBE)	18.5	2.0	ug/L	20		92.6	62-136	5.72	30	
Gasoline Range Organics (GRO)	509	100	ug/L	500		102	60-123	4.63	30	
Hexachlorobutadiene	21.1	1.0	ug/L	20		105	76-140	1.58	30	
2-Hexanone (MBK)	18.4	10	ug/L	20		92.2	52-123	2.91	30	
Isopropylbenzene	21.8	0.50	ug/L	20		109	70-130	0.823	30	
4-Isopropyltoluene	22.0	1.0	ug/L	20		110	70-130	1.89	30	
Methyl-tert-Butyl Ether (MTBE)	38.0	1.2	ug/L	40		95.0	58-144	4.20	30	
Methylene Chloride	17.2	5.0	ug/L	20		85.8	50-135	8.27	30	
4-Methyl-2-pentanone (MIBK)	20.0	10	ug/L	20		100	49-139	3.82	30	
Naphthalene	22.4	2.0	ug/L	20		112	74-128	3.42	30	
n-Propylbenzene	20.6	0.50	ug/L	20		103	70-130	2.36	30	
Styrene	21.9	0.50	ug/L	20		109	84-123	3.15	30	
1,1,1,2-Tetrachloroethane	22.6	0.50	ug/L	20		113	70-130	2.65	30	
1,1,2,2-Tetrachloroethane	20.4	0.50	ug/L	20		102	58-126	0.392	30	
Tetrachloroethylene (PCE)	21.9	0.50	ug/L	20		110	70-130	3.91	30	
Toluene	21.1	0.50	ug/L	20		105	83-118	0.426	30	
1,2,3-Trichlorobenzene	20.7	0.50	ug/L	20		103	77-134	0.145	30	
1,2,4-Trichlorobenzene	21.0	0.50	ug/L	20		105	84-128	1.89	30	
1,1,1-Trichloroethane	19.5	0.50	ug/L	20		97.4	66-158	5.59	30	
1,1,2-Trichloroethane	21.2	0.50	ug/L	20		106	75-115	0.330	30	
Trichloroethylene (TCE)	19.8	0.50	ug/L	20		99.0	82-128	6.16	30	
Trichlorofluoromethane (R11)	17.4	0.50	ug/L	20		87.1	65-137	7.14	30	
1,2,3-Trichloropropane	19.6	0.50	ug/L	20		98.0	68-123	1.02	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K0101 - EPA 5030B</i>										
LCS Dup (B9K0101-BSD1) Continued										
Prepared & Analyzed: 11/01/19										
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	16.4	0.50	ug/L	20		81.8	62-130	7.92	30	
1,3,5-Trimethylbenzene	21.4	0.50	ug/L	20		107	70-130	1.48	30	
1,2,4-Trimethylbenzene	21.7	0.50	ug/L	20		109	70-130	2.32	30	
Vinyl chloride	18.2	0.50	ug/L	20		91.0	51-151	11.6	30	
o-Xylene	21.6	0.50	ug/L	20		108	70-130	0.461	30	
m,p-Xylenes	44.2	1.0	ug/L	40		110	70-130	0.542	30	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>44.4</i>		<i>ug/L</i>	<i>50</i>		<i>88.8</i>	<i>80-129</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>42.1</i>		<i>ug/L</i>	<i>50</i>		<i>84.2</i>	<i>68-137</i>			
<i>Surrogate: Toluene-d8</i>	<i>45.6</i>		<i>ug/L</i>	<i>50</i>		<i>91.2</i>	<i>83-134</i>			
Matrix Spike (B9K0101-MS1)										
Source: 9J29011-11 Prepared & Analyzed: 11/01/19										
Acetone	20.1	10	ug/L	20		101	11-169			
tert-Amyl-Methyl Ether (TAME)	19.3	2.0	ug/L	20		96.3	66-133			
Benzene	19.4	0.50	ug/L	20		97.2	56-135			
Bromobenzene	21.0	0.50	ug/L	20		105	70-130			
Bromochloromethane	21.3	0.50	ug/L	20		106	74-125			
Bromodichloromethane	19.6	0.50	ug/L	20		98.2	68-144			
Bromoform	20.4	0.50	ug/L	20		102	68-151			
Bromomethane	17.4	0.50	ug/L	20		86.8	54-142			
2-Butanone (MEK)	18.3	10	ug/L	20		91.3	62-145			
tert-Butyl Alcohol (TBA)	95.2	10	ug/L	100	5.88	89.3	73-162			
sec-Butylbenzene	20.4	0.50	ug/L	20		102	84-145			
tert-Butylbenzene	21.0	0.50	ug/L	20		105	70-130			
n-Butylbenzene	20.2	0.50	ug/L	20		101	70-130			
Carbon Disulfide	16.2	0.50	ug/L	20		81.0	28-151			
Carbon Tetrachloride	19.7	0.50	ug/L	20		98.4	58-164			
Chlorobenzene	21.6	0.50	ug/L	20		108	70-130			
Chloroethane	21.4	0.50	ug/L	20		107	42-164			
Chloroform	18.6	0.50	ug/L	20		93.0	65-138			
Chloromethane	16.9	0.50	ug/L	20		84.6	50-152			
2-Chlorotoluene	20.3	0.50	ug/L	20		101	70-130			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K0101 - EPA 5030B</i>										
Matrix Spike (B9K0101-MS1) Continued Source: 9J29011-11 Prepared & Analyzed: 11/01/19										
4-Chlorotoluene	20.3	0.50	ug/L	20		102	70-130			
1,2-Dibromo-3-chloropropane	19.0	1.0	ug/L	20		94.8	53-161			
Dibromochloromethane	21.8	0.50	ug/L	20		109	70-130			
1,2-Dibromoethane (EDB)	21.9	0.50	ug/L	20		110	76-130			
Dibromomethane	20.8	0.50	ug/L	20		104	62-135			
1,3-Dichlorobenzene	20.8	0.50	ug/L	20		104	70-130			
1,2-Dichlorobenzene	21.4	0.50	ug/L	20		107	70-130			
1,4-Dichlorobenzene	21.0	0.50	ug/L	20		105	70-130			
Dichlorodifluoromethane (R12)	13.6	0.50	ug/L	20		68.0	17-153			
1,1-Dichloroethane	17.7	0.50	ug/L	20		88.6	55-131			
1,2-Dichloroethane (EDC)	17.0	0.50	ug/L	20		85.0	52-168			
1,1-Dichloroethylene	18.0	0.50	ug/L	20		90.2	51-140			
trans-1,2-Dichloroethylene	18.8	0.50	ug/L	20		94.2	59-127			
cis-1,2-Dichloroethylene	19.7	0.50	ug/L	20		98.5	70-130			
1,2-Dichloropropane	19.6	0.50	ug/L	20		97.9	52-142			
2,2-Dichloropropane	16.0	0.50	ug/L	20		80.2	36-168			
1,3-Dichloropropane	20.6	0.50	ug/L	20		103	80-121			
cis-1,3-Dichloropropylene	19.5	0.50	ug/L	20		97.6	66-130			
trans-1,3-Dichloropropylene	20.3	0.50	ug/L	20		101	78-130			
1,1-Dichloropropylene	19.5	0.50	ug/L	20		97.4	76-132			
Diisopropyl ether (DIPE)	19.1	2.0	ug/L	20		95.6	52-138			
Ethylbenzene	21.6	0.50	ug/L	20		108	86-128			
Ethyl-tert-Butyl Ether (ETBE)	19.1	2.0	ug/L	20		95.6	64-137			
Hexachlorobutadiene	19.3	1.0	ug/L	20		96.5	70-130			
2-Hexanone (MBK)	19.1	10	ug/L	20		95.4	52-141			
Isopropylbenzene	21.0	0.50	ug/L	20		105	70-130			
4-Isopropyltoluene	21.4	1.0	ug/L	20		107	83-149			
Methyl-tert-Butyl Ether (MTBE)	39.6	1.2	ug/L	40		99.0	56-150			
Methylene Chloride	17.3	5.0	ug/L	20		86.6	70-130			
4-Methyl-2-pentanone (MIBK)	20.1	10	ug/L	20		101	60-148			
Naphthalene	22.2	2.0	ug/L	20		111	70-130			
n-Propylbenzene	20.0	0.50	ug/L	20		100	70-130			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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VOCs, OXY & TPH Gasoline by GC/MS - Quality Control

Batch B9K0101 - EPA 5030B

Matrix Spike (B9K0101-MS1) Continued Source: 9J29011-11 Prepared & Analyzed: 11/01/19

Styrene	21.8	0.50	ug/L	20		109	65-141			
1,1,1,2-Tetrachloroethane	21.7	0.50	ug/L	20		109	70-130			
1,1,2,2-Tetrachloroethane	21.1	0.50	ug/L	20		105	62-134			
Tetrachloroethylene (PCE)	20.7	0.50	ug/L	20		103	70-130			
Toluene	20.4	0.50	ug/L	20		102	81-123			
1,2,3-Trichlorobenzene	19.9	0.50	ug/L	20		99.4	73-144			
1,2,4-Trichlorobenzene	20.3	0.50	ug/L	20		101	80-137			
1,1,1-Trichloroethane	19.3	0.50	ug/L	20		96.6	62-164			
1,1,2-Trichloroethane	21.5	0.50	ug/L	20		107	76-122			
Trichloroethylene (TCE)	19.8	0.50	ug/L	20		98.9	72-136			
Trichlorofluoromethane (R11)	16.3	0.50	ug/L	20		81.4	59-144			
1,2,3-Trichloropropane	20.4	0.50	ug/L	20	0.260	101	69-135			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	16.2	0.50	ug/L	20		81.0	62-126			
1,3,5-Trimethylbenzene	20.6	0.50	ug/L	20		103	70-130			
1,2,4-Trimethylbenzene	21.0	0.50	ug/L	20		105	89-134			
Vinyl chloride	17.7	0.50	ug/L	20		88.5	54-150			
o-Xylene	21.4	0.50	ug/L	20		107	70-130			
m,p-Xylenes	43.4	1.0	ug/L	40		108	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	44.2		ug/L	50		88.5	80-129			
<i>Surrogate: Dibromofluoromethane</i>	44.0		ug/L	50		88.1	68-137			
<i>Surrogate: Toluene-d8</i>	45.8		ug/L	50		91.6	83-134			

Matrix Spike Dup (B9K0101-MSD1) Source: 9J29011-11 Prepared & Analyzed: 11/01/19

Acetone	19.2	10	ug/L	20		95.8	11-169	4.84	30	
tert-Amyl-Methyl Ether (TAME)	19.0	2.0	ug/L	20		94.8	66-133	1.52	30	
Benzene	19.2	0.50	ug/L	20		96.0	56-135	1.29	30	
Bromobenzene	20.7	0.50	ug/L	20		104	70-130	1.10	30	
Bromochloromethane	20.8	0.50	ug/L	20		104	74-125	2.47	30	
Bromodichloromethane	19.4	0.50	ug/L	20		96.9	68-144	1.33	30	
Bromoform	20.1	0.50	ug/L	20		101	68-151	1.33	30	
Bromomethane	20.6	0.50	ug/L	20		103	54-142	17.1	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K0101 - EPA 5030B</i>										
Matrix Spike Dup (B9K0101-MSD1) Source: 9J29011-11 Prepared & Analyzed: 11/01/19										
Continued										
2-Butanone (MEK)	19.5	10	ug/L	20		97.6	62-145	6.72	30	
tert-Butyl Alcohol (TBA)	94.8	10	ug/L	100	5.88	88.9	73-162	0.411	30	
sec-Butylbenzene	20.0	0.50	ug/L	20		99.8	84-145	2.18	30	
tert-Butylbenzene	20.6	0.50	ug/L	20		103	70-130	2.11	30	
n-Butylbenzene	19.7	0.50	ug/L	20		98.4	70-130	2.81	30	
Carbon Disulfide	16.3	0.50	ug/L	20		81.4	28-151	0.493	30	
Carbon Tetrachloride	19.4	0.50	ug/L	20		96.8	58-164	1.59	30	
Chlorobenzene	21.0	0.50	ug/L	20		105	70-130	3.00	30	
Chloroethane	19.8	0.50	ug/L	20		99.0	42-164	7.68	30	
Chloroform	18.2	0.50	ug/L	20		90.8	65-138	2.39	30	
Chloromethane	17.4	0.50	ug/L	20		87.1	50-152	2.97	30	
2-Chlorotoluene	19.7	0.50	ug/L	20		98.6	70-130	2.85	30	
4-Chlorotoluene	20.0	0.50	ug/L	20		99.9	70-130	1.69	30	
1,2-Dibromo-3-chloropropane	19.3	1.0	ug/L	20		96.4	53-161	1.73	30	
Dibromochloromethane	21.6	0.50	ug/L	20		108	70-130	1.29	30	
1,2-Dibromoethane (EDB)	21.6	0.50	ug/L	20		108	76-130	1.75	30	
Dibromomethane	19.9	0.50	ug/L	20		99.4	62-135	4.72	30	
1,3-Dichlorobenzene	20.6	0.50	ug/L	20		103	70-130	1.21	30	
1,2-Dichlorobenzene	21.1	0.50	ug/L	20		106	70-130	1.32	30	
1,4-Dichlorobenzene	20.6	0.50	ug/L	20		103	70-130	1.68	30	
Dichlorodifluoromethane (R12)	13.6	0.50	ug/L	20		68.0	17-153	0.147	30	
1,1-Dichloroethane	17.4	0.50	ug/L	20		86.8	55-131	2.11	30	
1,2-Dichloroethane (EDC)	16.9	0.50	ug/L	20		84.4	52-168	0.708	30	
1,1-Dichloroethylene	17.7	0.50	ug/L	20		88.6	51-140	1.73	30	
trans-1,2-Dichloroethylene	18.9	0.50	ug/L	20		94.4	59-127	0.159	30	
cis-1,2-Dichloroethylene	19.8	0.50	ug/L	20		98.8	70-130	0.253	30	
1,2-Dichloropropane	19.1	0.50	ug/L	20		95.5	52-142	2.48	30	
2,2-Dichloropropane	15.4	0.50	ug/L	20		76.8	36-168	4.27	30	
1,3-Dichloropropane	20.0	0.50	ug/L	20		100	80-121	2.85	30	
cis-1,3-Dichloropropylene	19.1	0.50	ug/L	20		95.4	66-130	2.33	30	
trans-1,3-Dichloropropylene	20.1	0.50	ug/L	20		100	78-130	0.992	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K0101 - EPA 5030B</i>										
Matrix Spike Dup (B9K0101-MSD1) Source: 9J29011-11 Prepared & Analyzed: 11/01/19										
Continued										
1,1-Dichloropropylene	19.2	0.50	ug/L	20		96.1	76-132	1.34	30	
Diisopropyl ether (DIPE)	18.8	2.0	ug/L	20		94.0	52-138	1.79	30	
Ethylbenzene	21.1	0.50	ug/L	20		106	86-128	2.25	30	
Ethyl-tert-Butyl Ether (ETBE)	18.6	2.0	ug/L	20		93.0	64-137	2.76	30	
Hexachlorobutadiene	20.2	1.0	ug/L	20		101	70-130	4.31	30	
2-Hexanone (MBK)	18.9	10	ug/L	20		94.6	52-141	0.737	30	
Isopropylbenzene	20.6	0.50	ug/L	20		103	70-130	1.63	30	
4-Isopropyltoluene	20.9	1.0	ug/L	20		105	83-149	2.36	30	
Methyl-tert-Butyl Ether (MTBE)	39.0	1.2	ug/L	40		97.4	56-150	1.53	30	
Methylene Chloride	16.7	5.0	ug/L	20		83.6	70-130	3.59	30	
4-Methyl-2-pentanone (MIBK)	20.8	10	ug/L	20		104	60-148	3.42	30	
Naphthalene	23.1	2.0	ug/L	20		115	70-130	4.03	30	
n-Propylbenzene	19.6	0.50	ug/L	20		97.8	70-130	2.42	30	
Styrene	21.3	0.50	ug/L	20		106	65-141	2.55	30	
1,1,1,2-Tetrachloroethane	21.5	0.50	ug/L	20		107	70-130	1.25	30	
1,1,2,2-Tetrachloroethane	21.0	0.50	ug/L	20		105	62-134	0.285	30	
Tetrachloroethylene (PCE)	20.6	0.50	ug/L	20		103	70-130	0.339	30	
Toluene	20.0	0.50	ug/L	20		100	81-123	1.53	30	
1,2,3-Trichlorobenzene	20.2	0.50	ug/L	20		101	73-144	1.50	30	
1,2,4-Trichlorobenzene	20.4	0.50	ug/L	20		102	80-137	0.541	30	
1,1,1-Trichloroethane	19.0	0.50	ug/L	20		95.0	62-164	1.67	30	
1,1,2-Trichloroethane	21.1	0.50	ug/L	20		105	76-122	1.83	30	
Trichloroethylene (TCE)	19.5	0.50	ug/L	20		97.7	72-136	1.22	30	
Trichlorofluoromethane (R11)	17.0	0.50	ug/L	20		85.2	59-144	4.68	30	
1,2,3-Trichloropropane	20.2	0.50	ug/L	20	0.260	99.8	69-135	0.690	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	16.1	0.50	ug/L	20		80.6	62-126	0.557	30	
1,3,5-Trimethylbenzene	20.3	0.50	ug/L	20		102	70-130	1.22	30	
1,2,4-Trimethylbenzene	20.5	0.50	ug/L	20		103	89-134	2.36	30	
Vinyl chloride	17.0	0.50	ug/L	20		85.2	54-150	3.80	30	
o-Xylene	20.7	0.50	ug/L	20		104	70-130	2.99	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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VOCs, OXY & TPH Gasoline by GC/MS - Quality Control

Batch B9K0101 - EPA 5030B

Matrix Spike Dup (B9K0101-MSD1) Source: 9J29011-11 Prepared & Analyzed: 11/01/19

Continued

m,p-Xylenes	42.5	1.0	ug/L	40		106	70-130	1.89	30	
Surrogate: 4-Bromofluorobenzene	44.4		ug/L	50		88.8	80-129			
Surrogate: Dibromofluoromethane	43.0		ug/L	50		85.9	68-137			
Surrogate: Toluene-d8	45.6		ug/L	50		91.3	83-134			

VOCs & OXYGENATES by GC/MS - Quality Control

Batch B9J3028 - EPA 5030B

Blank (B9J3028-BLK1)

Prepared & Analyzed: 10/30/19

Acetone	<10	10	ug/L							
tert-Amyl-Methyl Ether (TAME)	<2.0	2.0	ug/L							
Benzene	<0.50	0.50	ug/L							
Bromobenzene	<0.50	0.50	ug/L							
Bromochloromethane	<0.50	0.50	ug/L							
Bromodichloromethane	<0.50	0.50	ug/L							
Bromoform	<0.50	0.50	ug/L							
Bromomethane	<0.50	0.50	ug/L							
2-Butanone (MEK)	<10	10	ug/L							
tert-Butyl Alcohol (TBA)	<10	10	ug/L							
sec-Butylbenzene	<0.50	0.50	ug/L							
tert-Butylbenzene	<0.50	0.50	ug/L							
n-Butylbenzene	<0.50	0.50	ug/L							
Carbon Disulfide	<0.50	0.50	ug/L							
Carbon Tetrachloride	<0.50	0.50	ug/L							
Chlorobenzene	<0.50	0.50	ug/L							
Chloroethane	<0.50	0.50	ug/L							
Chloroform	<0.50	0.50	ug/L							
Chloromethane	<0.50	0.50	ug/L							
2-Chlorotoluene	<0.50	0.50	ug/L							
4-Chlorotoluene	<0.50	0.50	ug/L							
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L							
Dibromochloromethane	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9J3028 - EPA 5030B</i>										
Blank (B9J3028-BLK1) Continued										
Prepared & Analyzed: 10/30/19										
1,2-Dibromoethane (EDB)	<0.50	0.50	ug/L							
Dibromomethane	<0.50	0.50	ug/L							
1,3-Dichlorobenzene	<0.50	0.50	ug/L							
1,2-Dichlorobenzene	<0.50	0.50	ug/L							
1,4-Dichlorobenzene	<0.50	0.50	ug/L							
Dichlorodifluoromethane (R12)	<0.50	0.50	ug/L							
1,1-Dichloroethane	<0.50	0.50	ug/L							
1,2-Dichloroethane (EDC)	<0.50	0.50	ug/L							
1,1-Dichloroethylene	<0.50	0.50	ug/L							
trans-1,2-Dichloroethylene	<0.50	0.50	ug/L							
cis-1,2-Dichloroethylene	<0.50	0.50	ug/L							
1,2-Dichloropropane	<0.50	0.50	ug/L							
2,2-Dichloropropane	<0.50	0.50	ug/L							
1,3-Dichloropropane	<0.50	0.50	ug/L							
cis-1,3-Dichloropropylene	<0.50	0.50	ug/L							
trans-1,3-Dichloropropylene	<0.50	0.50	ug/L							
1,1-Dichloropropylene	<0.50	0.50	ug/L							
Diisopropyl ether (DIPE)	<2.0	2.0	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Ethyl-tert-Butyl Ether (ETBE)	<2.0	2.0	ug/L							
Hexachlorobutadiene	<1.0	1.0	ug/L							
2-Hexanone (MBK)	<10	10	ug/L							
Isopropylbenzene	<0.50	0.50	ug/L							
4-Isopropyltoluene	<1.0	1.0	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<1.2	1.2	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
4-Methyl-2-pentanone (MIBK)	<10	10	ug/L							
Naphthalene	<2.0	2.0	ug/L							
n-Propylbenzene	<0.50	0.50	ug/L							
Styrene	<0.50	0.50	ug/L							
1,1,1,2-Tetrachloroethane	<0.50	0.50	ug/L							
1,1,2,2-Tetrachloroethane	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9J3028 - EPA 5030B</i>										
Blank (B9J3028-BLK1) Continued										
Prepared & Analyzed: 10/30/19										
Tetrachloroethylene (PCE)	<0.50	0.50	ug/L							
Toluene	<0.50	0.50	ug/L							
1,2,3-Trichlorobenzene	<0.50	0.50	ug/L							
1,2,4-Trichlorobenzene	<0.50	0.50	ug/L							
1,1,1-Trichloroethane	<0.50	0.50	ug/L							
1,1,2-Trichloroethane	<0.50	0.50	ug/L							
Trichloroethylene (TCE)	<0.50	0.50	ug/L							
Trichlorofluoromethane (R11)	<0.50	0.50	ug/L							
1,2,3-Trichloropropane	<0.50	0.50	ug/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	0.50	ug/L							
1,3,5-Trimethylbenzene	<0.50	0.50	ug/L							
1,2,4-Trimethylbenzene	<0.50	0.50	ug/L							
Vinyl chloride	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
<i>Surrogate: 4-Bromofluorobenzene</i>	46.5		ug/L	50		92.9	80-129			
<i>Surrogate: Dibromofluoromethane</i>	45.9		ug/L	50		91.8	68-137			
<i>Surrogate: Toluene-d8</i>	45.8		ug/L	50		91.6	83-134			
LCS (B9J3028-BS1)										
Prepared & Analyzed: 10/30/19										
Acetone	18.4	10	ug/L	20		91.8	27-123			
tert-Amyl-Methyl Ether (TAME)	19.1	2.0	ug/L	20		95.7	58-133			
Benzene	19.8	0.50	ug/L	20		99.2	60-134			
Bromobenzene	21.9	0.50	ug/L	20		110	70-130			
Bromochloromethane	21.2	0.50	ug/L	20		106	78-121			
Bromodichloromethane	19.7	0.50	ug/L	20		98.4	74-135			
Bromoform	20.9	0.50	ug/L	20		104	68-132			
Bromomethane	21.8	0.50	ug/L	20		109	58-142			
2-Butanone (MEK)	18.9	10	ug/L	20		94.3	62-138			
tert-Butyl Alcohol (TBA)	88.5	10	ug/L	100		88.5	65-148			
sec-Butylbenzene	21.0	0.50	ug/L	20		105	84-142			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9J3028 - EPA 5030B</i>										
LCS (B9J3028-BS1) Continued										
Prepared & Analyzed: 10/30/19										
tert-Butylbenzene	21.8	0.50	ug/L	20		109	70-130			
n-Butylbenzene	20.8	0.50	ug/L	20		104	70-130			
Carbon Disulfide	17.2	0.50	ug/L	20		85.8	17-177			
Carbon Tetrachloride	20.0	0.50	ug/L	20		100	66-155			
Chlorobenzene	22.1	0.50	ug/L	20		110	70-130			
Chloroethane	21.0	0.50	ug/L	20		105	45-166			
Chloroform	18.6	0.50	ug/L	20		92.8	71-131			
Chloromethane	18.3	0.50	ug/L	20		91.4	48-152			
2-Chlorotoluene	20.9	0.50	ug/L	20		104	70-130			
4-Chlorotoluene	21.0	0.50	ug/L	20		105	70-130			
1,2-Dibromo-3-chloropropane	19.3	1.0	ug/L	20		96.6	53-145			
Dibromochloromethane	22.8	0.50	ug/L	20		114	72-133			
1,2-Dibromoethane (EDB)	22.3	0.50	ug/L	20		111	79-120			
Dibromomethane	19.8	0.50	ug/L	20		98.9	68-124			
1,3-Dichlorobenzene	21.5	0.50	ug/L	20		108	70-130			
1,2-Dichlorobenzene	22.0	0.50	ug/L	20		110	70-130			
1,4-Dichlorobenzene	21.6	0.50	ug/L	20		108	70-130			
Dichlorodifluoromethane (R12)	15.3	0.50	ug/L	20		76.4	16-148			
1,1-Dichloroethane	18.4	0.50	ug/L	20		92.0	67-120			
1,2-Dichloroethane (EDC)	17.4	0.50	ug/L	20		86.8	57-156			
1,1-Dichloroethylene	19.0	0.50	ug/L	20		94.9	50-149			
trans-1,2-Dichloroethylene	19.9	0.50	ug/L	20		99.6	66-126			
cis-1,2-Dichloroethylene	20.2	0.50	ug/L	20		101	70-124			
1,2-Dichloropropane	19.5	0.50	ug/L	20		97.4	53-139			
2,2-Dichloropropane	18.5	0.50	ug/L	20		92.5	44-162			
1,3-Dichloropropane	21.0	0.50	ug/L	20		105	79-113			
cis-1,3-Dichloropropylene	20.2	0.50	ug/L	20		101	67-127			
trans-1,3-Dichloropropylene	21.3	0.50	ug/L	20		106	76-121			
1,1-Dichloropropylene	19.8	0.50	ug/L	20		99.0	84-124			
Diisopropyl ether (DIPE)	18.9	2.0	ug/L	20		94.6	51-136			
Ethylbenzene	22.4	0.50	ug/L	20		112	86-124			
Ethyl-tert-Butyl Ether (ETBE)	18.7	2.0	ug/L	20		93.4	62-136			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9J3028 - EPA 5030B</i>										
LCS (B9J3028-BS1) Continued										
Prepared & Analyzed: 10/30/19										
Hexachlorobutadiene	21.2	1.0	ug/L	20		106	76-140			
2-Hexanone (MBK)	19.3	10	ug/L	20		96.4	52-123			
Isopropylbenzene	21.9	0.50	ug/L	20		110	70-130			
4-Isopropyltoluene	22.3	1.0	ug/L	20		112	70-130			
Methyl-tert-Butyl Ether (MTBE)	38.4	1.2	ug/L	40		96.1	58-144			
Methylene Chloride	17.5	5.0	ug/L	20		87.3	50-135			
4-Methyl-2-pentanone (MIBK)	20.6	10	ug/L	20		103	49-139			
Naphthalene	23.4	2.0	ug/L	20		117	74-128			
n-Propylbenzene	20.7	0.50	ug/L	20		103	70-130			
Styrene	23.1	0.50	ug/L	20		116	84-123			
1,1,1,2-Tetrachloroethane	22.4	0.50	ug/L	20		112	70-130			
1,1,2,2-Tetrachloroethane	20.9	0.50	ug/L	20		104	58-126			
Tetrachloroethylene (PCE)	21.5	0.50	ug/L	20		108	70-130			
Toluene	21.4	0.50	ug/L	20		107	83-118			
1,2,3-Trichlorobenzene	21.1	0.50	ug/L	20		105	77-134			
1,2,4-Trichlorobenzene	21.7	0.50	ug/L	20		108	84-128			
1,1,1-Trichloroethane	19.9	0.50	ug/L	20		99.4	66-158			
1,1,2-Trichloroethane	21.5	0.50	ug/L	20		108	75-115			
Trichloroethylene (TCE)	20.0	0.50	ug/L	20		100	82-128			
Trichlorofluoromethane (R11)	16.1	0.50	ug/L	20		80.6	65-137			
1,2,3-Trichloropropane	20.3	0.50	ug/L	20		101	68-123			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	16.8	0.50	ug/L	20		83.8	62-130			
1,3,5-Trimethylbenzene	21.6	0.50	ug/L	20		108	70-130			
1,2,4-Trimethylbenzene	21.9	0.50	ug/L	20		109	70-130			
Vinyl chloride	19.2	0.50	ug/L	20		95.8	51-151			
o-Xylene	22.2	0.50	ug/L	20		111	70-130			
m,p-Xylenes	44.8	1.0	ug/L	40		112	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	44.8		ug/L	50		89.5	80-129			
<i>Surrogate: Dibromofluoromethane</i>	43.8		ug/L	50		87.6	68-137			
<i>Surrogate: Toluene-d8</i>	45.8		ug/L	50		91.6	83-134			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9J3028 - EPA 5030B</i>										
LCS Dup (B9J3028-BSD1)										
Prepared & Analyzed: 10/30/19										
Acetone	16.5	10	ug/L	20		82.6	27-123	10.7	30	
tert-Amyl-Methyl Ether (TAME)	18.3	2.0	ug/L	20		91.6	58-133	4.32	30	
Benzene	18.4	0.50	ug/L	20		92.2	60-134	7.26	30	
Bromobenzene	20.5	0.50	ug/L	20		103	70-130	6.60	30	
Bromochloromethane	20.3	0.50	ug/L	20		102	78-121	4.43	30	
Bromodichloromethane	18.6	0.50	ug/L	20		92.8	74-135	5.80	30	
Bromoform	20.6	0.50	ug/L	20		103	68-132	1.40	30	
Bromomethane	17.8	0.50	ug/L	20		89.0	58-142	20.2	30	
2-Butanone (MEK)	16.9	10	ug/L	20		84.4	62-138	11.0	30	
tert-Butyl Alcohol (TBA)	85.9	10	ug/L	100		85.9	65-148	2.95	30	
sec-Butylbenzene	19.2	0.50	ug/L	20		95.8	84-142	9.11	30	
tert-Butylbenzene	20.2	0.50	ug/L	20		101	70-130	7.81	30	
n-Butylbenzene	19.0	0.50	ug/L	20		94.8	70-130	9.40	30	
Carbon Disulfide	16.2	0.50	ug/L	20		80.8	17-177	6.06	30	
Carbon Tetrachloride	19.2	0.50	ug/L	20		96.1	66-155	4.23	30	
Chlorobenzene	21.0	0.50	ug/L	20		105	70-130	5.01	30	
Chloroethane	19.7	0.50	ug/L	20		98.4	45-166	6.39	30	
Chloroform	17.4	0.50	ug/L	20		86.8	71-131	6.62	30	
Chloromethane	16.7	0.50	ug/L	20		83.6	48-152	8.91	30	
2-Chlorotoluene	19.1	0.50	ug/L	20		95.4	70-130	8.91	30	
4-Chlorotoluene	19.4	0.50	ug/L	20		97.2	70-130	7.52	30	
1,2-Dibromo-3-chloropropane	17.7	1.0	ug/L	20		88.6	53-145	8.64	30	
Dibromochloromethane	22.0	0.50	ug/L	20		110	72-133	3.71	30	
1,2-Dibromoethane (EDB)	21.2	0.50	ug/L	20		106	79-120	5.16	30	
Dibromomethane	19.2	0.50	ug/L	20		96.2	68-124	2.82	30	
1,3-Dichlorobenzene	20.0	0.50	ug/L	20		100	70-130	7.12	30	
1,2-Dichlorobenzene	20.6	0.50	ug/L	20		103	70-130	6.54	30	
1,4-Dichlorobenzene	20.1	0.50	ug/L	20		101	70-130	7.33	30	
Dichlorodifluoromethane (R12)	14.2	0.50	ug/L	20		70.8	16-148	7.54	30	
1,1-Dichloroethane	16.9	0.50	ug/L	20		84.4	67-120	8.62	30	
1,2-Dichloroethane (EDC)	16.0	0.50	ug/L	20		80.2	57-156	7.85	30	
1,1-Dichloroethylene	17.6	0.50	ug/L	20		87.8	50-149	7.77	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9J3028 - EPA 5030B</i>										
LCS Dup (B9J3028-BSD1) Continued										
Prepared & Analyzed: 10/30/19										
trans-1,2-Dichloroethylene	18.3	0.50	ug/L	20		91.6	66-126	8.47	30	
cis-1,2-Dichloroethylene	18.8	0.50	ug/L	20		93.8	70-124	7.54	30	
1,2-Dichloropropane	18.0	0.50	ug/L	20		90.2	53-139	7.73	30	
2,2-Dichloropropane	15.7	0.50	ug/L	20		78.4	44-162	16.6	30	
1,3-Dichloropropane	20.1	0.50	ug/L	20		100	79-113	4.48	30	
cis-1,3-Dichloropropylene	18.4	0.50	ug/L	20		92.1	67-127	9.22	30	
trans-1,3-Dichloropropylene	19.8	0.50	ug/L	20		99.1	76-121	7.15	30	
1,1-Dichloropropylene	18.5	0.50	ug/L	20		92.7	84-124	6.52	30	
Diisopropyl ether (DIPE)	17.8	2.0	ug/L	20		88.8	51-136	6.27	30	
Ethylbenzene	20.8	0.50	ug/L	20		104	86-124	7.31	30	
Ethyl-tert-Butyl Ether (ETBE)	17.8	2.0	ug/L	20		89.0	62-136	4.77	30	
Hexachlorobutadiene	19.7	1.0	ug/L	20		98.6	76-140	7.24	30	
2-Hexanone (MBK)	17.7	10	ug/L	20		88.6	52-123	8.32	30	
Isopropylbenzene	20.2	0.50	ug/L	20		101	70-130	7.97	30	
4-Isopropyltoluene	20.3	1.0	ug/L	20		101	70-130	9.49	30	
Methyl-tert-Butyl Ether (MTBE)	36.9	1.2	ug/L	40		92.3	58-144	4.01	30	
Methylene Chloride	16.3	5.0	ug/L	20		81.4	50-135	7.06	30	
4-Methyl-2-pentanone (MIBK)	18.6	10	ug/L	20		92.8	49-139	10.6	30	
Naphthalene	20.6	2.0	ug/L	20		103	74-128	12.5	30	
n-Propylbenzene	18.8	0.50	ug/L	20		94.2	70-130	9.31	30	
Styrene	21.2	0.50	ug/L	20		106	84-123	8.34	30	
1,1,1,2-Tetrachloroethane	21.7	0.50	ug/L	20		108	70-130	3.36	30	
1,1,2,2-Tetrachloroethane	19.9	0.50	ug/L	20		99.7	58-126	4.70	30	
Tetrachloroethylene (PCE)	21.2	0.50	ug/L	20		106	70-130	1.40	30	
Toluene	20.2	0.50	ug/L	20		101	83-118	5.97	30	
1,2,3-Trichlorobenzene	19.5	0.50	ug/L	20		97.6	77-134	7.64	30	
1,2,4-Trichlorobenzene	20.1	0.50	ug/L	20		100	84-128	7.62	30	
1,1,1-Trichloroethane	18.6	0.50	ug/L	20		93.0	66-158	6.66	30	
1,1,2-Trichloroethane	19.9	0.50	ug/L	20		99.5	75-115	7.92	30	
Trichloroethylene (TCE)	18.6	0.50	ug/L	20		93.2	82-128	7.09	30	
Trichlorofluoromethane (R11)	18.6	0.50	ug/L	20		93.0	65-137	14.3	30	
1,2,3-Trichloropropane	18.8	0.50	ug/L	20		94.2	68-123	7.46	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9J3028 - EPA 5030B</i>										
LCS Dup (B9J3028-BSD1) Continued										
Prepared & Analyzed: 10/30/19										
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	16.4	0.50	ug/L	20		81.8	62-130	2.36	30	
1,3,5-Trimethylbenzene	20.0	0.50	ug/L	20		100	70-130	7.65	30	
1,2,4-Trimethylbenzene	20.0	0.50	ug/L	20		100	70-130	8.88	30	
Vinyl chloride	17.8	0.50	ug/L	20		89.1	51-151	7.25	30	
o-Xylene	20.6	0.50	ug/L	20		103	70-130	7.53	30	
m,p-Xylenes	42.3	1.0	ug/L	40		106	70-130	5.63	30	
<i>Surrogate: 4-Bromofluorobenzene</i>	43.4		ug/L	50		86.8	80-129			
<i>Surrogate: Dibromofluoromethane</i>	43.2		ug/L	50		86.4	68-137			
<i>Surrogate: Toluene-d8</i>	45.2		ug/L	50		90.5	83-134			
Matrix Spike (B9J3028-MS1)										
Source: 9J29011-10 Prepared & Analyzed: 10/30/19										
Acetone	18.6	10	ug/L	20	<10	93.0	11-169			
tert-Amyl-Methyl Ether (TAME)	18.9	2.0	ug/L	20	<2.0	94.6	66-133			
Benzene	18.9	0.50	ug/L	20	<0.50	94.4	56-135			
Bromobenzene	22.2	0.50	ug/L	20	<0.50	111	70-130			
Bromochloromethane	21.0	0.50	ug/L	20	<0.50	105	74-125			
Bromodichloromethane	19.1	0.50	ug/L	20	<0.50	95.6	68-144			
Bromoform	21.9	0.50	ug/L	20	<0.50	110	68-151			
Bromomethane	17.1	0.50	ug/L	20	<0.50	85.6	54-142			
2-Butanone (MEK)	17.4	10	ug/L	20	<10	86.8	62-145			
tert-Butyl Alcohol (TBA)	89.2	10	ug/L	100	<10	89.2	73-162			
sec-Butylbenzene	20.2	0.50	ug/L	20	<0.50	101	84-145			
tert-Butylbenzene	21.3	0.50	ug/L	20	<0.50	106	70-130			
n-Butylbenzene	19.8	0.50	ug/L	20	<0.50	99.0	70-130			
Carbon Disulfide	16.2	0.50	ug/L	20	<0.50	81.2	28-151			
Carbon Tetrachloride	19.8	0.50	ug/L	20	<0.50	98.8	58-164			
Chlorobenzene	21.9	0.50	ug/L	20	<0.50	109	70-130			
Chloroethane	20.0	0.50	ug/L	20	<0.50	100	42-164			
Chloroform	18.0	0.50	ug/L	20	<0.50	90.2	65-138			
Chloromethane	16.1	0.50	ug/L	20	<0.50	80.4	50-152			
2-Chlorotoluene	19.9	0.50	ug/L	20	<0.50	99.4	70-130			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9J3028 - EPA 5030B</i>										
Matrix Spike (B9J3028-MS1) Continued Source: 9J29011-10 Prepared & Analyzed: 10/30/19										
4-Chlorotoluene	20.4	0.50	ug/L	20	<0.50	102	70-130			
1,2-Dibromo-3-chloropropane	18.9	1.0	ug/L	20	<1.0	94.6	53-161			
Dibromochloromethane	23.2	0.50	ug/L	20	<0.50	116	70-130			
1,2-Dibromoethane (EDB)	22.4	0.50	ug/L	20	<0.50	112	76-130			
Dibromomethane	19.8	0.50	ug/L	20	<0.50	99.2	62-135			
1,3-Dichlorobenzene	21.3	0.50	ug/L	20	<0.50	107	70-130			
1,2-Dichlorobenzene	22.0	0.50	ug/L	20	<0.50	110	70-130			
1,4-Dichlorobenzene	21.4	0.50	ug/L	20	<0.50	107	70-130			
Dichlorodifluoromethane (R12)	13.5	0.50	ug/L	20	<0.50	67.4	17-153			
1,1-Dichloroethane	16.7	0.50	ug/L	20	<0.50	83.6	55-131			
1,2-Dichloroethane (EDC)	16.4	0.50	ug/L	20	<0.50	82.0	52-168			
1,1-Dichloroethylene	17.8	0.50	ug/L	20	<0.50	88.9	51-140			
trans-1,2-Dichloroethylene	18.7	0.50	ug/L	20	<0.50	93.5	59-127			
cis-1,2-Dichloroethylene	19.6	0.50	ug/L	20	<0.50	98.2	70-130			
1,2-Dichloropropane	18.5	0.50	ug/L	20	<0.50	92.5	52-142			
2,2-Dichloropropane	16.3	0.50	ug/L	20	<0.50	81.6	36-168			
1,3-Dichloropropane	20.6	0.50	ug/L	20	<0.50	103	80-121			
cis-1,3-Dichloropropylene	19.0	0.50	ug/L	20	<0.50	95.2	66-130			
trans-1,3-Dichloropropylene	20.7	0.50	ug/L	20	<0.50	104	78-130			
1,1-Dichloropropylene	18.7	0.50	ug/L	20	<0.50	93.7	76-132			
Diisopropyl ether (DIPE)	18.0	2.0	ug/L	20	<2.0	90.0	52-138			
Ethylbenzene	21.8	0.50	ug/L	20	<0.50	109	86-128			
Ethyl-tert-Butyl Ether (ETBE)	18.4	2.0	ug/L	20	<2.0	91.8	64-137			
Hexachlorobutadiene	21.9	1.0	ug/L	20	<1.0	110	70-130			
2-Hexanone (MBK)	19.0	10	ug/L	20	<10	95.0	52-141			
Isopropylbenzene	21.1	0.50	ug/L	20	<0.50	105	70-130			
4-Isopropyltoluene	21.5	1.0	ug/L	20	<1.0	108	83-149			
Methyl-tert-Butyl Ether (MTBE)	38.7	1.2	ug/L	40	<1.2	96.7	56-150			
Methylene Chloride	16.2	5.0	ug/L	20	<5.0	80.8	70-130			
4-Methyl-2-pentanone (MIBK)	19.9	10	ug/L	20	<10	99.3	60-148			
Naphthalene	22.9	2.0	ug/L	20	<2.0	114	70-130			
n-Propylbenzene	19.8	0.50	ug/L	20	<0.50	98.8	70-130			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9J3028 - EPA 5030B</i>										
Matrix Spike (B9J3028-MS1) Continued Source: 9J29011-10 Prepared & Analyzed: 10/30/19										
Styrene	22.2	0.50	ug/L	20	<0.50	111	65-141			
1,1,1,2-Tetrachloroethane	22.8	0.50	ug/L	20	<0.50	114	70-130			
1,1,2,2-Tetrachloroethane	20.8	0.50	ug/L	20	<0.50	104	62-134			
Tetrachloroethylene (PCE)	22.4	0.50	ug/L	20	<0.50	112	70-130			
Toluene	20.8	0.50	ug/L	20	<0.50	104	81-123			
1,2,3-Trichlorobenzene	21.3	0.50	ug/L	20	<0.50	106	73-144			
1,2,4-Trichlorobenzene	21.5	0.50	ug/L	20	<0.50	107	80-137			
1,1,1-Trichloroethane	19.1	0.50	ug/L	20	<0.50	95.7	62-164			
1,1,2-Trichloroethane	21.3	0.50	ug/L	20	<0.50	107	76-122			
Trichloroethylene (TCE)	19.2	0.50	ug/L	20	<0.50	96.2	72-136			
Trichlorofluoromethane (R11)	18.0	0.50	ug/L	20	<0.50	89.8	59-144			
1,2,3-Trichloropropane	20.1	0.50	ug/L	20	<0.50	100	69-135			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	16.1	0.50	ug/L	20	<0.50	80.5	62-126			
1,3,5-Trimethylbenzene	20.9	0.50	ug/L	20	<0.50	105	70-130			
1,2,4-Trimethylbenzene	21.0	0.50	ug/L	20	<0.50	105	89-134			
Vinyl chloride	16.2	0.50	ug/L	20	<0.50	81.2	54-150			
o-Xylene	21.8	0.50	ug/L	20	<0.50	109	70-130			
m,p-Xylenes	44.2	1.0	ug/L	40	<1.0	110	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	43.6		ug/L	50		87.1	80-129			
<i>Surrogate: Dibromofluoromethane</i>	41.4		ug/L	50		82.7	68-137			
<i>Surrogate: Toluene-d8</i>	44.9		ug/L	50		89.8	83-134			
Matrix Spike Dup (B9J3028-MSD1) Source: 9J29011-10 Prepared & Analyzed: 10/30/19										
Acetone	18.1	10	ug/L	20	<10	90.4	11-169	2.78	30	
tert-Amyl-Methyl Ether (TAME)	18.7	2.0	ug/L	20	<2.0	93.4	66-133	1.17	30	
Benzene	18.8	0.50	ug/L	20	<0.50	94.1	56-135	0.318	30	
Bromobenzene	22.2	0.50	ug/L	20	<0.50	111	70-130	0.135	30	
Bromochloromethane	21.4	0.50	ug/L	20	<0.50	107	74-125	1.98	30	
Bromodichloromethane	18.8	0.50	ug/L	20	<0.50	94.0	68-144	1.69	30	
Bromoform	22.2	0.50	ug/L	20	<0.50	111	68-151	1.27	30	
Bromomethane	19.7	0.50	ug/L	20	<0.50	98.6	54-142	14.0	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9J3028 - EPA 5030B</i>										
Matrix Spike Dup (B9J3028-MSD1) Source: 9J29011-10 Prepared & Analyzed: 10/30/19										
Continued										
2-Butanone (MEK)	18.8	10	ug/L	20	<10	93.8	62-145	7.64	30	
tert-Butyl Alcohol (TBA)	93.5	10	ug/L	100	<10	93.5	73-162	4.69	30	
sec-Butylbenzene	20.4	0.50	ug/L	20	<0.50	102	84-145	0.837	30	
tert-Butylbenzene	21.4	0.50	ug/L	20	<0.50	107	70-130	0.702	30	
n-Butylbenzene	20.0	0.50	ug/L	20	<0.50	100	70-130	1.11	30	
Carbon Disulfide	16.0	0.50	ug/L	20	<0.50	80.2	28-151	1.12	30	
Carbon Tetrachloride	19.7	0.50	ug/L	20	<0.50	98.5	58-164	0.253	30	
Chlorobenzene	21.9	0.50	ug/L	20	<0.50	110	70-130	0.274	30	
Chloroethane	19.5	0.50	ug/L	20	<0.50	97.6	42-164	2.73	30	
Chloroform	17.7	0.50	ug/L	20	<0.50	88.6	65-138	1.85	30	
Chloromethane	16.1	0.50	ug/L	20	<0.50	80.3	50-152	0.124	30	
2-Chlorotoluene	20.2	0.50	ug/L	20	<0.50	101	70-130	1.69	30	
4-Chlorotoluene	20.4	0.50	ug/L	20	<0.50	102	70-130	0.0490	30	
1,2-Dibromo-3-chloropropane	20.1	1.0	ug/L	20	<1.0	100	53-161	5.95	30	
Dibromochloromethane	23.6	0.50	ug/L	20	<0.50	118	70-130	1.76	30	
1,2-Dibromoethane (EDB)	22.6	0.50	ug/L	20	<0.50	113	76-130	0.934	30	
Dibromomethane	19.8	0.50	ug/L	20	<0.50	99.0	62-135	0.252	30	
1,3-Dichlorobenzene	21.4	0.50	ug/L	20	<0.50	107	70-130	0.234	30	
1,2-Dichlorobenzene	22.2	0.50	ug/L	20	<0.50	111	70-130	1.27	30	
1,4-Dichlorobenzene	21.7	0.50	ug/L	20	<0.50	108	70-130	1.49	30	
Dichlorodifluoromethane (R12)	13.5	0.50	ug/L	20	<0.50	67.3	17-153	0.223	30	
1,1-Dichloroethane	17.5	0.50	ug/L	20	<0.50	87.6	55-131	4.56	30	
1,2-Dichloroethane (EDC)	16.8	0.50	ug/L	20	<0.50	84.1	52-168	2.53	30	
1,1-Dichloroethylene	17.8	0.50	ug/L	20	<0.50	89.1	51-140	0.225	30	
trans-1,2-Dichloroethylene	18.6	0.50	ug/L	20	<0.50	93.0	59-127	0.482	30	
cis-1,2-Dichloroethylene	19.4	0.50	ug/L	20	<0.50	97.2	70-130	0.972	30	
1,2-Dichloropropane	18.5	0.50	ug/L	20	<0.50	92.5	52-142	0.00	30	
2,2-Dichloropropane	16.3	0.50	ug/L	20	<0.50	81.4	36-168	0.123	30	
1,3-Dichloropropane	20.8	0.50	ug/L	20	<0.50	104	80-121	1.01	30	
cis-1,3-Dichloropropylene	19.1	0.50	ug/L	20	<0.50	95.4	66-130	0.210	30	
trans-1,3-Dichloropropylene	20.9	0.50	ug/L	20	<0.50	104	78-130	0.770	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9J3028 - EPA 5030B</i>										
Matrix Spike Dup (B9J3028-MSD1) Source: 9J29011-10 Prepared & Analyzed: 10/30/19										
Continued										
1,1-Dichloropropylene	18.8	0.50	ug/L	20	<0.50	93.8	76-132	0.107	30	
Diisopropyl ether (DIPE)	18.0	2.0	ug/L	20	<2.0	90.2	52-138	0.111	30	
Ethylbenzene	22.0	0.50	ug/L	20	<0.50	110	86-128	0.913	30	
Ethyl-tert-Butyl Ether (ETBE)	18.3	2.0	ug/L	20	<2.0	91.6	64-137	0.218	30	
Hexachlorobutadiene	21.9	1.0	ug/L	20	<1.0	109	70-130	0.228	30	
2-Hexanone (MBK)	19.7	10	ug/L	20	<10	98.6	52-141	3.67	30	
Isopropylbenzene	21.5	0.50	ug/L	20	<0.50	108	70-130	2.07	30	
4-Isopropyltoluene	21.8	1.0	ug/L	20	<1.0	109	83-149	1.43	30	
Methyl-tert-Butyl Ether (MTBE)	38.7	1.2	ug/L	40	<1.2	96.7	56-150	0.00	30	
Methylene Chloride	16.2	5.0	ug/L	20	<5.0	81.1	70-130	0.371	30	
4-Methyl-2-pentanone (MIBK)	20.7	10	ug/L	20	<10	103	60-148	4.00	30	
Naphthalene	24.7	2.0	ug/L	20	<2.0	123	70-130	7.57	30	
n-Propylbenzene	19.9	0.50	ug/L	20	<0.50	99.6	70-130	0.807	30	
Styrene	22.2	0.50	ug/L	20	<0.50	111	65-141	0.0902	30	
1,1,1,2-Tetrachloroethane	22.8	0.50	ug/L	20	<0.50	114	70-130	0.0876	30	
1,1,2,2-Tetrachloroethane	21.3	0.50	ug/L	20	<0.50	106	62-134	2.42	30	
Tetrachloroethylene (PCE)	22.5	0.50	ug/L	20	<0.50	112	70-130	0.624	30	
Toluene	20.9	0.50	ug/L	20	<0.50	105	81-123	0.575	30	
1,2,3-Trichlorobenzene	22.4	0.50	ug/L	20	<0.50	112	73-144	5.31	30	
1,2,4-Trichlorobenzene	22.3	0.50	ug/L	20	<0.50	112	80-137	3.79	30	
1,1,1-Trichloroethane	19.0	0.50	ug/L	20	<0.50	95.1	62-164	0.629	30	
1,1,2-Trichloroethane	21.7	0.50	ug/L	20	<0.50	108	76-122	1.63	30	
Trichloroethylene (TCE)	19.1	0.50	ug/L	20	<0.50	95.4	72-136	0.783	30	
Trichlorofluoromethane (R11)	18.2	0.50	ug/L	20	<0.50	91.1	59-144	1.49	30	
1,2,3-Trichloropropane	20.8	0.50	ug/L	20	<0.50	104	69-135	3.62	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	16.0	0.50	ug/L	20	<0.50	80.0	62-126	0.623	30	
1,3,5-Trimethylbenzene	20.9	0.50	ug/L	20	<0.50	104	70-130	0.335	30	
1,2,4-Trimethylbenzene	21.0	0.50	ug/L	20	<0.50	105	89-134	0.238	30	
Vinyl chloride	15.2	0.50	ug/L	20	<0.50	76.1	54-150	6.55	30	
o-Xylene	21.6	0.50	ug/L	20	<0.50	108	70-130	0.737	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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VOCs & OXYGENATES by GC/MS - Quality Control

Batch B9J3028 - EPA 5030B

Matrix Spike Dup (B9J3028-MSD1) Source: 9J29011-10 Prepared & Analyzed: 10/30/19

Continued

m,p-Xylenes	44.0	1.0	ug/L	40	<1.0	110	70-130	0.363	30	
Surrogate: 4-Bromofluorobenzene	43.6		ug/L	50		87.2	80-129			
Surrogate: Dibromofluoromethane	43.1		ug/L	50		86.2	68-137			
Surrogate: Toluene-d8	45.4		ug/L	50		90.8	83-134			

Batch B9K0101 - EPA 5030B

Blank (B9K0101-BLK1)

Prepared & Analyzed: 11/01/19

Acetone	<10	10	ug/L							
tert-Amyl-Methyl Ether (TAME)	<2.0	2.0	ug/L							
Benzene	<0.50	0.50	ug/L							
Bromobenzene	<0.50	0.50	ug/L							
Bromochloromethane	<0.50	0.50	ug/L							
Bromodichloromethane	<0.50	0.50	ug/L							
Bromoform	<0.50	0.50	ug/L							
Bromomethane	<0.50	0.50	ug/L							
2-Butanone (MEK)	<10	10	ug/L							
tert-Butyl Alcohol (TBA)	<10	10	ug/L							
sec-Butylbenzene	<0.50	0.50	ug/L							
tert-Butylbenzene	<0.50	0.50	ug/L							
n-Butylbenzene	<0.50	0.50	ug/L							
Carbon Disulfide	<0.50	0.50	ug/L							
Carbon Tetrachloride	<0.50	0.50	ug/L							
Chlorobenzene	<0.50	0.50	ug/L							
Chloroethane	<0.50	0.50	ug/L							
Chloroform	<0.50	0.50	ug/L							
Chloromethane	<0.50	0.50	ug/L							
2-Chlorotoluene	<0.50	0.50	ug/L							
4-Chlorotoluene	<0.50	0.50	ug/L							
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L							
Dibromochloromethane	<0.50	0.50	ug/L							
1,2-Dibromoethane (EDB)	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K0101 - EPA 5030B</i>										
Blank (B9K0101-BLK1) Continued										
Prepared & Analyzed: 11/01/19										
Dibromomethane	<0.50	0.50	ug/L							
1,3-Dichlorobenzene	<0.50	0.50	ug/L							
1,2-Dichlorobenzene	<0.50	0.50	ug/L							
1,4-Dichlorobenzene	<0.50	0.50	ug/L							
Dichlorodifluoromethane (R12)	<0.50	0.50	ug/L							
1,1-Dichloroethane	<0.50	0.50	ug/L							
1,2-Dichloroethane (EDC)	<0.50	0.50	ug/L							
1,1-Dichloroethylene	<0.50	0.50	ug/L							
trans-1,2-Dichloroethylene	<0.50	0.50	ug/L							
cis-1,2-Dichloroethylene	<0.50	0.50	ug/L							
1,2-Dichloropropane	<0.50	0.50	ug/L							
2,2-Dichloropropane	<0.50	0.50	ug/L							
1,3-Dichloropropane	<0.50	0.50	ug/L							
cis-1,3-Dichloropropylene	<0.50	0.50	ug/L							
trans-1,3-Dichloropropylene	<0.50	0.50	ug/L							
1,1-Dichloropropylene	<0.50	0.50	ug/L							
Diisopropyl ether (DIPE)	<2.0	2.0	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Ethyl-tert-Butyl Ether (ETBE)	<2.0	2.0	ug/L							
Hexachlorobutadiene	<1.0	1.0	ug/L							
2-Hexanone (MBK)	<10	10	ug/L							
Isopropylbenzene	<0.50	0.50	ug/L							
4-Isopropyltoluene	<1.0	1.0	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<1.2	1.2	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
4-Methyl-2-pentanone (MIBK)	<10	10	ug/L							
Naphthalene	<2.0	2.0	ug/L							
n-Propylbenzene	<0.50	0.50	ug/L							
Styrene	<0.50	0.50	ug/L							
1,1,1,2-Tetrachloroethane	<0.50	0.50	ug/L							
1,1,2,2-Tetrachloroethane	<0.50	0.50	ug/L							
Tetrachloroethylene (PCE)	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K0101 - EPA 5030B</i>										
Blank (B9K0101-BLK1) Continued										
Prepared & Analyzed: 11/01/19										
Toluene	<0.50	0.50	ug/L							
1,2,3-Trichlorobenzene	<0.50	0.50	ug/L							
1,2,4-Trichlorobenzene	<0.50	0.50	ug/L							
1,1,1-Trichloroethane	<0.50	0.50	ug/L							
1,1,2-Trichloroethane	<0.50	0.50	ug/L							
Trichloroethylene (TCE)	<0.50	0.50	ug/L							
Trichlorofluoromethane (R11)	<0.50	0.50	ug/L							
1,2,3-Trichloropropane	<0.50	0.50	ug/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	0.50	ug/L							
1,3,5-Trimethylbenzene	<0.50	0.50	ug/L							
1,2,4-Trimethylbenzene	<0.50	0.50	ug/L							
Vinyl chloride	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
<i>Surrogate: 4-Bromofluorobenzene</i>	46.9		ug/L	50		93.9	80-129			
<i>Surrogate: Dibromofluoromethane</i>	47.9		ug/L	50		95.7	68-137			
<i>Surrogate: Toluene-d8</i>	46.3		ug/L	50		92.6	83-134			
LCS (B9K0101-BS1)										
Prepared & Analyzed: 11/01/19										
Acetone	23.2	10	ug/L	20		116	27-123			
tert-Amyl-Methyl Ether (TAME)	19.8	2.0	ug/L	20		99.0	58-133			
Benzene	20.7	0.50	ug/L	20		104	60-134			
Bromobenzene	21.1	0.50	ug/L	20		106	70-130			
Bromochloromethane	22.2	0.50	ug/L	20		111	78-121			
Bromodichloromethane	20.7	0.50	ug/L	20		104	74-135			
Bromoform	19.7	0.50	ug/L	20		98.3	68-132			
Bromomethane	25.5	0.50	ug/L	20		127	58-142			
2-Butanone (MEK)	18.3	10	ug/L	20		91.6	62-138			
tert-Butyl Alcohol (TBA)	87.8	10	ug/L	100		87.8	65-148			
sec-Butylbenzene	21.1	0.50	ug/L	20		106	84-142			
tert-Butylbenzene	22.0	0.50	ug/L	20		110	70-130			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K0101 - EPA 5030B</i>										
LCS (B9K0101-BS1) Continued										
Prepared & Analyzed: 11/01/19										
n-Butylbenzene	21.3	0.50	ug/L	20		106	70-130			
Carbon Disulfide	17.9	0.50	ug/L	20		89.4	17-177			
Carbon Tetrachloride	20.8	0.50	ug/L	20		104	66-155			
Chlorobenzene	21.8	0.50	ug/L	20		109	70-130			
Chloroethane	23.6	0.50	ug/L	20		118	45-166			
Chloroform	20.3	0.50	ug/L	20		102	71-131			
Chloromethane	20.2	0.50	ug/L	20		101	48-152			
2-Chlorotoluene	21.4	0.50	ug/L	20		107	70-130			
4-Chlorotoluene	21.5	0.50	ug/L	20		108	70-130			
1,2-Dibromo-3-chloropropane	18.9	1.0	ug/L	20		94.6	53-145			
Dibromochloromethane	21.9	0.50	ug/L	20		109	72-133			
1,2-Dibromoethane (EDB)	21.7	0.50	ug/L	20		108	79-120			
Dibromomethane	21.8	0.50	ug/L	20		109	68-124			
1,3-Dichlorobenzene	21.4	0.50	ug/L	20		107	70-130			
1,2-Dichlorobenzene	21.7	0.50	ug/L	20		108	70-130			
1,4-Dichlorobenzene	21.6	0.50	ug/L	20		108	70-130			
Dichlorodifluoromethane (R12)	16.0	0.50	ug/L	20		79.9	16-148			
1,1-Dichloroethane	20.0	0.50	ug/L	20		100	67-120			
1,2-Dichloroethane (EDC)	19.1	0.50	ug/L	20		95.4	57-156			
1,1-Dichloroethylene	19.8	0.50	ug/L	20		99.2	50-149			
trans-1,2-Dichloroethylene	21.0	0.50	ug/L	20		105	66-126			
cis-1,2-Dichloroethylene	21.4	0.50	ug/L	20		107	70-124			
1,2-Dichloropropane	20.7	0.50	ug/L	20		103	53-139			
2,2-Dichloropropane	19.9	0.50	ug/L	20		99.7	44-162			
1,3-Dichloropropane	20.4	0.50	ug/L	20		102	79-113			
cis-1,3-Dichloropropylene	21.3	0.50	ug/L	20		107	67-127			
trans-1,3-Dichloropropylene	21.0	0.50	ug/L	20		105	76-121			
1,1-Dichloropropylene	21.1	0.50	ug/L	20		105	84-124			
Diisopropyl ether (DIPE)	20.1	2.0	ug/L	20		100	51-136			
Ethylbenzene	22.2	0.50	ug/L	20		111	86-124			
Ethyl-tert-Butyl Ether (ETBE)	19.6	2.0	ug/L	20		98.0	62-136			
Hexachlorobutadiene	20.7	1.0	ug/L	20		104	76-140			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K0101 - EPA 5030B</i>										
LCS (B9K0101-BS1) Continued										
Prepared & Analyzed: 11/01/19										
2-Hexanone (MBK)	17.9	10	ug/L	20		89.6	52-123			
Isopropylbenzene	22.0	0.50	ug/L	20		110	70-130			
4-Isopropyltoluene	22.4	1.0	ug/L	20		112	70-130			
Methyl-tert-Butyl Ether (MTBE)	39.6	1.2	ug/L	40		99.1	58-144			
Methylene Chloride	18.6	5.0	ug/L	20		93.2	50-135			
4-Methyl-2-pentanone (MIBK)	20.8	10	ug/L	20		104	49-139			
Naphthalene	23.2	2.0	ug/L	20		116	74-128			
n-Propylbenzene	21.0	0.50	ug/L	20		105	70-130			
Styrene	22.6	0.50	ug/L	20		113	84-123			
1,1,1,2-Tetrachloroethane	22.0	0.50	ug/L	20		110	70-130			
1,1,2,2-Tetrachloroethane	20.4	0.50	ug/L	20		102	58-126			
Tetrachloroethylene (PCE)	21.1	0.50	ug/L	20		105	70-130			
Toluene	21.2	0.50	ug/L	20		106	83-118			
1,2,3-Trichlorobenzene	20.7	0.50	ug/L	20		104	77-134			
1,2,4-Trichlorobenzene	21.4	0.50	ug/L	20		107	84-128			
1,1,1-Trichloroethane	20.6	0.50	ug/L	20		103	66-158			
1,1,2-Trichloroethane	21.3	0.50	ug/L	20		106	75-115			
Trichloroethylene (TCE)	21.1	0.50	ug/L	20		105	82-128			
Trichlorofluoromethane (R11)	18.7	0.50	ug/L	20		93.6	65-137			
1,2,3-Trichloropropane	19.8	0.50	ug/L	20		99.0	68-123			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	17.7	0.50	ug/L	20		88.6	62-130			
1,3,5-Trimethylbenzene	21.8	0.50	ug/L	20		109	70-130			
1,2,4-Trimethylbenzene	22.2	0.50	ug/L	20		111	70-130			
Vinyl chloride	20.4	0.50	ug/L	20		102	51-151			
o-Xylene	21.7	0.50	ug/L	20		109	70-130			
m,p-Xylenes	44.4	1.0	ug/L	40		111	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	45.3		ug/L	50		90.6	80-129			
<i>Surrogate: Dibromofluoromethane</i>	46.1		ug/L	50		92.1	68-137			
<i>Surrogate: Toluene-d8</i>	46.0		ug/L	50		92.0	83-134			
LCS Dup (B9K0101-BSD1)										
Prepared & Analyzed: 11/01/19										

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K0101 - EPA 5030B</i>										
LCS Dup (B9K0101-BSD1) Continued										
Prepared & Analyzed: 11/01/19										
Acetone	19.1	10	ug/L	20		95.6	27-123	19.3	30	
tert-Amyl-Methyl Ether (TAME)	18.9	2.0	ug/L	20		94.6	58-133	4.65	30	
Benzene	19.4	0.50	ug/L	20		97.0	60-134	6.68	30	
Bromobenzene	22.0	0.50	ug/L	20		110	70-130	4.26	30	
Bromochloromethane	20.8	0.50	ug/L	20		104	78-121	6.60	30	
Bromodichloromethane	19.5	0.50	ug/L	20		97.6	74-135	5.96	30	
Bromoform	21.0	0.50	ug/L	20		105	68-132	6.78	30	
Bromomethane	18.7	0.50	ug/L	20		93.6	58-142	30.6	30	QR-02
2-Butanone (MEK)	17.9	10	ug/L	20		89.5	62-138	2.26	30	
tert-Butyl Alcohol (TBA)	87.2	10	ug/L	100		87.2	65-148	0.766	30	
sec-Butylbenzene	20.8	0.50	ug/L	20		104	84-142	1.33	30	
tert-Butylbenzene	21.8	0.50	ug/L	20		109	70-130	0.869	30	
n-Butylbenzene	20.5	0.50	ug/L	20		102	70-130	3.83	30	
Carbon Disulfide	16.3	0.50	ug/L	20		81.5	17-177	9.30	30	
Carbon Tetrachloride	20.0	0.50	ug/L	20		100	66-155	3.83	30	
Chlorobenzene	21.8	0.50	ug/L	20		109	70-130	0.275	30	
Chloroethane	20.4	0.50	ug/L	20		102	45-166	14.7	30	
Chloroform	18.3	0.50	ug/L	20		91.6	71-131	10.2	30	
Chloromethane	17.5	0.50	ug/L	20		87.6	48-152	14.1	30	
2-Chlorotoluene	20.6	0.50	ug/L	20		103	70-130	3.53	30	
4-Chlorotoluene	20.9	0.50	ug/L	20		104	70-130	2.97	30	
1,2-Dibromo-3-chloropropane	18.9	1.0	ug/L	20		94.4	53-145	0.159	30	
Dibromochloromethane	22.6	0.50	ug/L	20		113	72-133	3.24	30	
1,2-Dibromoethane (EDB)	22.1	0.50	ug/L	20		110	79-120	1.78	30	
Dibromomethane	20.0	0.50	ug/L	20		100	68-124	8.43	30	
1,3-Dichlorobenzene	21.6	0.50	ug/L	20		108	70-130	1.25	30	
1,2-Dichlorobenzene	21.8	0.50	ug/L	20		109	70-130	0.506	30	
1,4-Dichlorobenzene	21.6	0.50	ug/L	20		108	70-130	0.00	30	
Dichlorodifluoromethane (R12)	14.6	0.50	ug/L	20		73.2	16-148	8.82	30	
1,1-Dichloroethane	17.1	0.50	ug/L	20		85.4	67-120	15.9	30	
1,2-Dichloroethane (EDC)	16.8	0.50	ug/L	20		83.8	57-156	12.9	30	
1,1-Dichloroethylene	18.0	0.50	ug/L	20		90.1	50-149	9.56	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K0101 - EPA 5030B</i>										
LCS Dup (B9K0101-BSD1) Continued										
Prepared & Analyzed: 11/01/19										
trans-1,2-Dichloroethylene	19.1	0.50	ug/L	20		95.6	66-126	9.56	30	
cis-1,2-Dichloroethylene	19.9	0.50	ug/L	20		99.4	70-124	7.17	30	
1,2-Dichloropropane	18.9	0.50	ug/L	20		94.7	53-139	8.78	30	
2,2-Dichloropropane	15.8	0.50	ug/L	20		79.2	44-162	23.0	30	
1,3-Dichloropropane	20.5	0.50	ug/L	20		102	79-113	0.343	30	
cis-1,3-Dichloropropylene	19.3	0.50	ug/L	20		96.6	67-127	9.85	30	
trans-1,3-Dichloropropylene	20.4	0.50	ug/L	20		102	76-121	3.00	30	
1,1-Dichloropropylene	19.2	0.50	ug/L	20		96.2	84-124	8.98	30	
Diisopropyl ether (DIPE)	18.6	2.0	ug/L	20		93.1	51-136	7.45	30	
Ethylbenzene	22.0	0.50	ug/L	20		110	86-124	0.950	30	
Ethyl-tert-Butyl Ether (ETBE)	18.5	2.0	ug/L	20		92.6	62-136	5.72	30	
Hexachlorobutadiene	21.1	1.0	ug/L	20		105	76-140	1.58	30	
2-Hexanone (MBK)	18.4	10	ug/L	20		92.2	52-123	2.91	30	
Isopropylbenzene	21.8	0.50	ug/L	20		109	70-130	0.823	30	
4-Isopropyltoluene	22.0	1.0	ug/L	20		110	70-130	1.89	30	
Methyl-tert-Butyl Ether (MTBE)	38.0	1.2	ug/L	40		95.0	58-144	4.20	30	
Methylene Chloride	17.2	5.0	ug/L	20		85.8	50-135	8.27	30	
4-Methyl-2-pentanone (MIBK)	20.0	10	ug/L	20		100	49-139	3.82	30	
Naphthalene	22.4	2.0	ug/L	20		112	74-128	3.42	30	
n-Propylbenzene	20.6	0.50	ug/L	20		103	70-130	2.36	30	
Styrene	21.9	0.50	ug/L	20		109	84-123	3.15	30	
1,1,1,2-Tetrachloroethane	22.6	0.50	ug/L	20		113	70-130	2.65	30	
1,1,2,2-Tetrachloroethane	20.4	0.50	ug/L	20		102	58-126	0.392	30	
Tetrachloroethylene (PCE)	21.9	0.50	ug/L	20		110	70-130	3.91	30	
Toluene	21.1	0.50	ug/L	20		105	83-118	0.426	30	
1,2,3-Trichlorobenzene	20.7	0.50	ug/L	20		103	77-134	0.145	30	
1,2,4-Trichlorobenzene	21.0	0.50	ug/L	20		105	84-128	1.89	30	
1,1,1-Trichloroethane	19.5	0.50	ug/L	20		97.4	66-158	5.59	30	
1,1,2-Trichloroethane	21.2	0.50	ug/L	20		106	75-115	0.330	30	
Trichloroethylene (TCE)	19.8	0.50	ug/L	20		99.0	82-128	6.16	30	
Trichlorofluoromethane (R11)	17.4	0.50	ug/L	20		87.1	65-137	7.14	30	
1,2,3-Trichloropropane	19.6	0.50	ug/L	20		98.0	68-123	1.02	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K0101 - EPA 5030B</i>										
LCS Dup (B9K0101-BSD1) Continued										
Prepared & Analyzed: 11/01/19										
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	16.4	0.50	ug/L	20		81.8	62-130	7.92	30	
1,3,5-Trimethylbenzene	21.4	0.50	ug/L	20		107	70-130	1.48	30	
1,2,4-Trimethylbenzene	21.7	0.50	ug/L	20		109	70-130	2.32	30	
Vinyl chloride	18.2	0.50	ug/L	20		91.0	51-151	11.6	30	
o-Xylene	21.6	0.50	ug/L	20		108	70-130	0.461	30	
m,p-Xylenes	44.2	1.0	ug/L	40		110	70-130	0.542	30	
<i>Surrogate: 4-Bromofluorobenzene</i>	44.4		ug/L	50		88.8	80-129			
<i>Surrogate: Dibromofluoromethane</i>	42.1		ug/L	50		84.2	68-137			
<i>Surrogate: Toluene-d8</i>	45.6		ug/L	50		91.2	83-134			
Matrix Spike (B9K0101-MS1)										
Source: 9J29011-11 Prepared & Analyzed: 11/01/19										
Acetone	20.1	10	ug/L	20	<10	101	11-169			
tert-Amyl-Methyl Ether (TAME)	19.3	2.0	ug/L	20	<2.0	96.3	66-133			
Benzene	19.4	0.50	ug/L	20	<0.50	97.2	56-135			
Bromobenzene	21.0	0.50	ug/L	20	<0.50	105	70-130			
Bromochloromethane	21.3	0.50	ug/L	20	<0.50	106	74-125			
Bromodichloromethane	19.6	0.50	ug/L	20	<0.50	98.2	68-144			
Bromoform	20.4	0.50	ug/L	20	<0.50	102	68-151			
Bromomethane	17.4	0.50	ug/L	20	<0.50	86.8	54-142			
2-Butanone (MEK)	18.3	10	ug/L	20	<10	91.3	62-145			
tert-Butyl Alcohol (TBA)	95.2	10	ug/L	100	5.88	89.3	73-162			
sec-Butylbenzene	20.4	0.50	ug/L	20	<0.50	102	84-145			
tert-Butylbenzene	21.0	0.50	ug/L	20	<0.50	105	70-130			
n-Butylbenzene	20.2	0.50	ug/L	20	<0.50	101	70-130			
Carbon Disulfide	16.2	0.50	ug/L	20	<0.50	81.0	28-151			
Carbon Tetrachloride	19.7	0.50	ug/L	20	<0.50	98.4	58-164			
Chlorobenzene	21.6	0.50	ug/L	20	<0.50	108	70-130			
Chloroethane	21.4	0.50	ug/L	20	<0.50	107	42-164			
Chloroform	18.6	0.50	ug/L	20	<0.50	93.0	65-138			
Chloromethane	16.9	0.50	ug/L	20	<0.50	84.6	50-152			
2-Chlorotoluene	20.3	0.50	ug/L	20	<0.50	101	70-130			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K0101 - EPA 5030B</i>										
Matrix Spike (B9K0101-MS1) Continued Source: 9J29011-11 Prepared & Analyzed: 11/01/19										
4-Chlorotoluene	20.3	0.50	ug/L	20	<0.50	102	70-130			
1,2-Dibromo-3-chloropropane	19.0	1.0	ug/L	20	<1.0	94.8	53-161			
Dibromochloromethane	21.8	0.50	ug/L	20	<0.50	109	70-130			
1,2-Dibromoethane (EDB)	21.9	0.50	ug/L	20	<0.50	110	76-130			
Dibromomethane	20.8	0.50	ug/L	20	<0.50	104	62-135			
1,3-Dichlorobenzene	20.8	0.50	ug/L	20	<0.50	104	70-130			
1,2-Dichlorobenzene	21.4	0.50	ug/L	20	<0.50	107	70-130			
1,4-Dichlorobenzene	21.0	0.50	ug/L	20	<0.50	105	70-130			
Dichlorodifluoromethane (R12)	13.6	0.50	ug/L	20	<0.50	68.0	17-153			
1,1-Dichloroethane	17.7	0.50	ug/L	20	<0.50	88.6	55-131			
1,2-Dichloroethane (EDC)	17.0	0.50	ug/L	20	<0.50	85.0	52-168			
1,1-Dichloroethylene	18.0	0.50	ug/L	20	<0.50	90.2	51-140			
trans-1,2-Dichloroethylene	18.8	0.50	ug/L	20	<0.50	94.2	59-127			
cis-1,2-Dichloroethylene	19.7	0.50	ug/L	20	<0.50	98.5	70-130			
1,2-Dichloropropane	19.6	0.50	ug/L	20	<0.50	97.9	52-142			
2,2-Dichloropropane	16.0	0.50	ug/L	20	<0.50	80.2	36-168			
1,3-Dichloropropane	20.6	0.50	ug/L	20	<0.50	103	80-121			
cis-1,3-Dichloropropylene	19.5	0.50	ug/L	20	<0.50	97.6	66-130			
trans-1,3-Dichloropropylene	20.3	0.50	ug/L	20	<0.50	101	78-130			
1,1-Dichloropropylene	19.5	0.50	ug/L	20	<0.50	97.4	76-132			
Diisopropyl ether (DIPE)	19.1	2.0	ug/L	20	<2.0	95.6	52-138			
Ethylbenzene	21.6	0.50	ug/L	20	<0.50	108	86-128			
Ethyl-tert-Butyl Ether (ETBE)	19.1	2.0	ug/L	20	<2.0	95.6	64-137			
Hexachlorobutadiene	19.3	1.0	ug/L	20	<1.0	96.5	70-130			
2-Hexanone (MBK)	19.1	10	ug/L	20	<10	95.4	52-141			
Isopropylbenzene	21.0	0.50	ug/L	20	<0.50	105	70-130			
4-Isopropyltoluene	21.4	1.0	ug/L	20	<1.0	107	83-149			
Methyl-tert-Butyl Ether (MTBE)	39.6	1.2	ug/L	40	<1.2	99.0	56-150			
Methylene Chloride	17.3	5.0	ug/L	20	<5.0	86.6	70-130			
4-Methyl-2-pentanone (MIBK)	20.1	10	ug/L	20	<10	101	60-148			
Naphthalene	22.2	2.0	ug/L	20	<2.0	111	70-130			
n-Propylbenzene	20.0	0.50	ug/L	20	<0.50	100	70-130			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K0101 - EPA 5030B</i>										
Matrix Spike (B9K0101-MS1) Continued Source: 9J29011-11 Prepared & Analyzed: 11/01/19										
Styrene	21.8	0.50	ug/L	20	<0.50	109	65-141			
1,1,1,2-Tetrachloroethane	21.7	0.50	ug/L	20	<0.50	109	70-130			
1,1,2,2-Tetrachloroethane	21.1	0.50	ug/L	20	<0.50	105	62-134			
Tetrachloroethylene (PCE)	20.7	0.50	ug/L	20	<0.50	103	70-130			
Toluene	20.4	0.50	ug/L	20	<0.50	102	81-123			
1,2,3-Trichlorobenzene	19.9	0.50	ug/L	20	<0.50	99.4	73-144			
1,2,4-Trichlorobenzene	20.3	0.50	ug/L	20	<0.50	101	80-137			
1,1,1-Trichloroethane	19.3	0.50	ug/L	20	<0.50	96.6	62-164			
1,1,2-Trichloroethane	21.5	0.50	ug/L	20	<0.50	107	76-122			
Trichloroethylene (TCE)	19.8	0.50	ug/L	20	<0.50	98.9	72-136			
Trichlorofluoromethane (R11)	16.3	0.50	ug/L	20	<0.50	81.4	59-144			
1,2,3-Trichloropropane	20.4	0.50	ug/L	20	0.260	101	69-135			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	16.2	0.50	ug/L	20	<0.50	81.0	62-126			
1,3,5-Trimethylbenzene	20.6	0.50	ug/L	20	<0.50	103	70-130			
1,2,4-Trimethylbenzene	21.0	0.50	ug/L	20	<0.50	105	89-134			
Vinyl chloride	17.7	0.50	ug/L	20	<0.50	88.5	54-150			
o-Xylene	21.4	0.50	ug/L	20	<0.50	107	70-130			
m,p-Xylenes	43.4	1.0	ug/L	40	<1.0	108	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	44.2		ug/L	50		88.5	80-129			
<i>Surrogate: Dibromofluoromethane</i>	44.0		ug/L	50		88.1	68-137			
<i>Surrogate: Toluene-d8</i>	45.8		ug/L	50		91.6	83-134			
Matrix Spike Dup (B9K0101-MSD1) Source: 9J29011-11 Prepared & Analyzed: 11/01/19										
Acetone	19.2	10	ug/L	20	<10	95.8	11-169	4.84	30	
tert-Amyl-Methyl Ether (TAME)	19.0	2.0	ug/L	20	<2.0	94.8	66-133	1.52	30	
Benzene	19.2	0.50	ug/L	20	<0.50	96.0	56-135	1.29	30	
Bromobenzene	20.7	0.50	ug/L	20	<0.50	104	70-130	1.10	30	
Bromochloromethane	20.8	0.50	ug/L	20	<0.50	104	74-125	2.47	30	
Bromodichloromethane	19.4	0.50	ug/L	20	<0.50	96.9	68-144	1.33	30	
Bromoform	20.1	0.50	ug/L	20	<0.50	101	68-151	1.33	30	
Bromomethane	20.6	0.50	ug/L	20	<0.50	103	54-142	17.1	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K0101 - EPA 5030B</i>										
Matrix Spike Dup (B9K0101-MSD1) Source: 9J29011-11 Prepared & Analyzed: 11/01/19										
Continued										
2-Butanone (MEK)	19.5	10	ug/L	20	<10	97.6	62-145	6.72	30	
tert-Butyl Alcohol (TBA)	94.8	10	ug/L	100	5.88	88.9	73-162	0.411	30	
sec-Butylbenzene	20.0	0.50	ug/L	20	<0.50	99.8	84-145	2.18	30	
tert-Butylbenzene	20.6	0.50	ug/L	20	<0.50	103	70-130	2.11	30	
n-Butylbenzene	19.7	0.50	ug/L	20	<0.50	98.4	70-130	2.81	30	
Carbon Disulfide	16.3	0.50	ug/L	20	<0.50	81.4	28-151	0.493	30	
Carbon Tetrachloride	19.4	0.50	ug/L	20	<0.50	96.8	58-164	1.59	30	
Chlorobenzene	21.0	0.50	ug/L	20	<0.50	105	70-130	3.00	30	
Chloroethane	19.8	0.50	ug/L	20	<0.50	99.0	42-164	7.68	30	
Chloroform	18.2	0.50	ug/L	20	<0.50	90.8	65-138	2.39	30	
Chloromethane	17.4	0.50	ug/L	20	<0.50	87.1	50-152	2.97	30	
2-Chlorotoluene	19.7	0.50	ug/L	20	<0.50	98.6	70-130	2.85	30	
4-Chlorotoluene	20.0	0.50	ug/L	20	<0.50	99.9	70-130	1.69	30	
1,2-Dibromo-3-chloropropane	19.3	1.0	ug/L	20	<1.0	96.4	53-161	1.73	30	
Dibromochloromethane	21.6	0.50	ug/L	20	<0.50	108	70-130	1.29	30	
1,2-Dibromoethane (EDB)	21.6	0.50	ug/L	20	<0.50	108	76-130	1.75	30	
Dibromomethane	19.9	0.50	ug/L	20	<0.50	99.4	62-135	4.72	30	
1,3-Dichlorobenzene	20.6	0.50	ug/L	20	<0.50	103	70-130	1.21	30	
1,2-Dichlorobenzene	21.1	0.50	ug/L	20	<0.50	106	70-130	1.32	30	
1,4-Dichlorobenzene	20.6	0.50	ug/L	20	<0.50	103	70-130	1.68	30	
Dichlorodifluoromethane (R12)	13.6	0.50	ug/L	20	<0.50	68.0	17-153	0.147	30	
1,1-Dichloroethane	17.4	0.50	ug/L	20	<0.50	86.8	55-131	2.11	30	
1,2-Dichloroethane (EDC)	16.9	0.50	ug/L	20	<0.50	84.4	52-168	0.708	30	
1,1-Dichloroethylene	17.7	0.50	ug/L	20	<0.50	88.6	51-140	1.73	30	
trans-1,2-Dichloroethylene	18.9	0.50	ug/L	20	<0.50	94.4	59-127	0.159	30	
cis-1,2-Dichloroethylene	19.8	0.50	ug/L	20	<0.50	98.8	70-130	0.253	30	
1,2-Dichloropropane	19.1	0.50	ug/L	20	<0.50	95.5	52-142	2.48	30	
2,2-Dichloropropane	15.4	0.50	ug/L	20	<0.50	76.8	36-168	4.27	30	
1,3-Dichloropropane	20.0	0.50	ug/L	20	<0.50	100	80-121	2.85	30	
cis-1,3-Dichloropropylene	19.1	0.50	ug/L	20	<0.50	95.4	66-130	2.33	30	
trans-1,3-Dichloropropylene	20.1	0.50	ug/L	20	<0.50	100	78-130	0.992	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K0101 - EPA 5030B</i>										
Matrix Spike Dup (B9K0101-MSD1) Source: 9J29011-11 Prepared & Analyzed: 11/01/19										
Continued										
1,1-Dichloropropylene	19.2	0.50	ug/L	20	<0.50	96.1	76-132	1.34	30	
Diisopropyl ether (DIPE)	18.8	2.0	ug/L	20	<2.0	94.0	52-138	1.79	30	
Ethylbenzene	21.1	0.50	ug/L	20	<0.50	106	86-128	2.25	30	
Ethyl-tert-Butyl Ether (ETBE)	18.6	2.0	ug/L	20	<2.0	93.0	64-137	2.76	30	
Hexachlorobutadiene	20.2	1.0	ug/L	20	<1.0	101	70-130	4.31	30	
2-Hexanone (MBK)	18.9	10	ug/L	20	<10	94.6	52-141	0.737	30	
Isopropylbenzene	20.6	0.50	ug/L	20	<0.50	103	70-130	1.63	30	
4-Isopropyltoluene	20.9	1.0	ug/L	20	<1.0	105	83-149	2.36	30	
Methyl-tert-Butyl Ether (MTBE)	39.0	1.2	ug/L	40	<1.2	97.4	56-150	1.53	30	
Methylene Chloride	16.7	5.0	ug/L	20	<5.0	83.6	70-130	3.59	30	
4-Methyl-2-pentanone (MIBK)	20.8	10	ug/L	20	<10	104	60-148	3.42	30	
Naphthalene	23.1	2.0	ug/L	20	<2.0	115	70-130	4.03	30	
n-Propylbenzene	19.6	0.50	ug/L	20	<0.50	97.8	70-130	2.42	30	
Styrene	21.3	0.50	ug/L	20	<0.50	106	65-141	2.55	30	
1,1,1,2-Tetrachloroethane	21.5	0.50	ug/L	20	<0.50	107	70-130	1.25	30	
1,1,2,2-Tetrachloroethane	21.0	0.50	ug/L	20	<0.50	105	62-134	0.285	30	
Tetrachloroethylene (PCE)	20.6	0.50	ug/L	20	<0.50	103	70-130	0.339	30	
Toluene	20.0	0.50	ug/L	20	<0.50	100	81-123	1.53	30	
1,2,3-Trichlorobenzene	20.2	0.50	ug/L	20	<0.50	101	73-144	1.50	30	
1,2,4-Trichlorobenzene	20.4	0.50	ug/L	20	<0.50	102	80-137	0.541	30	
1,1,1-Trichloroethane	19.0	0.50	ug/L	20	<0.50	95.0	62-164	1.67	30	
1,1,2-Trichloroethane	21.1	0.50	ug/L	20	<0.50	105	76-122	1.83	30	
Trichloroethylene (TCE)	19.5	0.50	ug/L	20	<0.50	97.7	72-136	1.22	30	
Trichlorofluoromethane (R11)	17.0	0.50	ug/L	20	<0.50	85.2	59-144	4.68	30	
1,2,3-Trichloropropane	20.2	0.50	ug/L	20	0.260	99.8	69-135	0.690	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	16.1	0.50	ug/L	20	<0.50	80.6	62-126	0.557	30	
1,3,5-Trimethylbenzene	20.3	0.50	ug/L	20	<0.50	102	70-130	1.22	30	
1,2,4-Trimethylbenzene	20.5	0.50	ug/L	20	<0.50	103	89-134	2.36	30	
Vinyl chloride	17.0	0.50	ug/L	20	<0.50	85.2	54-150	3.80	30	
o-Xylene	20.7	0.50	ug/L	20	<0.50	104	70-130	2.99	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K0101 - EPA 5030B</i>										
Matrix Spike Dup (B9K0101-MSD1) Source: 9J29011-11 Prepared & Analyzed: 11/01/19										
Continued										
m,p-Xylenes	42.5	1.0	ug/L	40	<1.0	106	70-130	1.89	30	
Surrogate: 4-Bromofluorobenzene	44.4		ug/L	50		88.8	80-129			
Surrogate: Dibromofluoromethane	43.0		ug/L	50		85.9	68-137			
Surrogate: Toluene-d8	45.6		ug/L	50		91.3	83-134			
Diesel Range Organics by GC/FID - Quality Control										
<i>Batch B9J3101 - EPA 3510C</i>										
Blank (B9J3101-BLK1) Prepared: 10/31/19 Analyzed: 11/01/19										
Diesel Range Organics as Diesel	<0.10	0.10	mg/L							
Surrogate: o-Terphenyl	0.0435		mg/L	0.040		109	50-150			
LCS (B9J3101-BS1) Prepared: 10/31/19 Analyzed: 11/01/19										
Diesel Range Organics as Diesel	0.683	0.10	mg/L	0.80		85.4	36-132			
Surrogate: o-Terphenyl	0.0427		mg/L	0.040		107	50-150			
LCS Dup (B9J3101-BSD1) Prepared: 10/31/19 Analyzed: 11/01/19										
Diesel Range Organics as Diesel	0.587	0.10	mg/L	0.80		73.4	36-132	15.1	30	
Surrogate: o-Terphenyl	0.0393		mg/L	0.040		98.3	50-150			
Gasoline Range Organics by GC/FID - Quality Control										
<i>Batch B9J3029 - *** DEFAULT PREP ***</i>										
Blank (B9J3029-BLK1) Prepared & Analyzed: 10/31/19										
Gasoline Range Organics (GRO)	<100	100	ug/L							
Surrogate: a,a,a-Trifluorotoluene	54.3		ug/L	50		109	80-120			
LCS (B9J3029-BS1) Prepared & Analyzed: 10/31/19										
Gasoline Range Organics (GRO)	479	100	ug/L	500		95.8	75-125		30	
Surrogate: a,a,a-Trifluorotoluene	57.6		ug/L	50		115	80-120			
LCS Dup (B9J3029-BSD1) Prepared & Analyzed: 10/31/19										
Gasoline Range Organics (GRO)	482	100	ug/L	500		96.4	75-125	0.610	30	
Surrogate: a,a,a-Trifluorotoluene	56.5		ug/L	50		113	80-120			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Gasoline Range Organics by GC/FID - Quality Control										
<i>Batch B9J3029 - *** DEFAULT PREP ***</i>										
Matrix Spike (B9J3029-MS1)				Source: 9J29011-15		Prepared & Analyzed: 10/31/19				
Gasoline Range Organics (GRO)	452	100	ug/L	500	<100	90.3	70-130		30	
Surrogate: a,a,a-Trifluorotoluene	54.4		ug/L	50		109	80-120			
Matrix Spike Dup (B9J3029-MSD1)				Source: 9J29011-15		Prepared & Analyzed: 10/31/19				
Gasoline Range Organics (GRO)	427	100	ug/L	500	<100	85.3	70-130	5.67	30	
Surrogate: a,a,a-Trifluorotoluene	54.4		ug/L	50		109	80-120			
<i>Batch B9K0109 - *** DEFAULT PREP ***</i>										
Blank (B9K0109-BLK1)						Prepared: 11/01/19 Analyzed: 11/04/19				
Gasoline Range Organics (GRO)	<100	100	ug/L							
Surrogate: a,a,a-Trifluorotoluene	54.3		ug/L	50		109	80-120			
LCS (B9K0109-BS1)						Prepared: 11/01/19 Analyzed: 11/04/19				
Gasoline Range Organics (GRO)	483	100	ug/L	500		96.5	75-125		30	
Surrogate: a,a,a-Trifluorotoluene	59.6		ug/L	50		119	80-120			
LCS Dup (B9K0109-BSD1)						Prepared: 11/01/19 Analyzed: 11/04/19				
Gasoline Range Organics (GRO)	477	100	ug/L	500		95.3	75-125	1.23	30	
Surrogate: a,a,a-Trifluorotoluene	60.1		ug/L	50		120	80-120			
Duplicate (B9K0109-DUP1)				Source: 9J29011-08		Prepared: 11/01/19 Analyzed: 11/04/19				
Gasoline Range Organics (GRO)	1760	100	ug/L		1490			16.4	30	
Surrogate: a,a,a-Trifluorotoluene	55.3		ug/L	50		111	80-120			

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333187
Date Received: 10/29/19
Date Reported: 11/21/19

Special Notes

[1] = **QR-02** : The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

A handwritten signature in black ink, appearing to read 'V. Vasile'.

Viorel Vasile
Operations Manager



AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

9765 ETON AVE., CHATSWORTH, CA 91311
 Tel: 818-998-5547 FAX: 818-998-7258

A.A. COC No.: 19142
 70054599
 Page 1 of 2

Client: APEX-S&I Project Name / No.: DFSP Norwalk Sampler's Name: DAN SWENSSON
 Project Manager: DAN SWENSSON Site Address: 15306 Norwalk Blvd Sampler's Signature: [Signature]
 Phone: 562-597-1055 City: Norwalk P.O. No.: _____
 Fax: 562-597-1070 State & Zip: Ca. 90650 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)

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	ANALYSIS REQUESTED (Test Name)										Special Instructions		
						8260B	8015MID	8015-TM/G										
QCTB-1	9J29011	10-28-19	600	GW	2	X												
QCEB-1		10-28-19	800	GW	2	X												
GMW-63		10-28-19	855	GW	4	X	X											
GMW-64		10-28-19	930	GW	4	X	X											
GMW-65		10-28-19	1020	GW	4	X	X											
GMW-67		10-28-19	1100	GW	4	X	X											
GMW-69		10-28-19	1140	GW	4	X	X											
GMW-62		10-28-19	1220	GW	4	X	X											
DUP-1		10-28-19	XXXX	GW	4	X	X											SAMPLE INTEGRITY
EXP-2		10-29-19	820	GW	6	X	X											INTACT Y/N TEMP 43
GW-3		10-29-19	900	GW	6	X	X											
GMW-31		10-29-19	945	GW	6	X	X											
GMW-42		10-29-19	1015	GW	6	X	X											
GMW-44		10-29-19	1055	GW	6	X	X											
GMW-6		10-29-19	1145	GW	6	X	X											
For Laboratory Use						Relinquished by	Date	Time	Received by									
REVIEWED						[Signature]	10/29/19	8:13:15	[Signature]									
Date: 10/30/19 Time: 1030						Relinquished by	Date	Time	Received by									
TATN Days Sign: [Signature]						[Signature]	10/29/19	18:29	[Signature]									
A.A. Project No.: AS333187 / 9J29011						Relinquished by	Date	Time	Received by									
						[Signature]												

Note: By relinquishing samples to American Analytics, client agrees to pay for the services requested on this chain of custody form and any additional client-requested analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 45 days following the submittal of the sample(s) to American Analytics.

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD



9765 ETON AVE., CHATSWORTH, CA 91311
Tel: 818-998-5547 FAX: 818-998-7258

Client: *APEX-SGI* Project Name / No.: *DFSP Norwalk* Sampler's Name: *DAVID LUBBER*
 Project Manager: *DAN SWENSSON* Site Address: *15306 Norwalk Blvd* Sampler's Signature: *[Signature]*
 Phone: *562-597-1057* City: *Norwalk* P.O. No.: *---*
 Fax: *562-597-1070* State & Zip: *Ca 90650* 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)

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									
GMW-56	9029011-16	10-29-19	12:15	GW	6	X	X	X	X	X	X	X	X	SAMPLE INTEGRITY INTACT & N. TEMP	
QCCEB-1	-17	10-29-19	7:30	GW	2	X	X	X	X	X	X	X	X		
DUP-2	-18	10-29-19	12:15	GW	6	X	X	X	X	X	X	X	X		
For Laboratory Use						Relinquished by	Date	Time	Received by	Time					
REVIEWED						<i>[Signature]</i>	X 10/29/19	X 13:15	X	<i>[Signature]</i>	X				
Date: 10/30/19 Time: 10:30						Relinquished by	Date	Time	Received by	Time					
TAT N Days: 19 Sign: <i>[Signature]</i>						<i>[Signature]</i>	10/29/19	16:29	<i>[Signature]</i>						
A.A. Project No.: AS333187/9029011						Relinquished by	Date	Time	Received by	Time					

Note: By relinquishing samples to American Analytics, client agrees to pay for the services requested on this chain of custody form and any additional client-requested analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 45 days following the submittal of the sample(s) to American Analytics.



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

November 21, 2019

Neil Irish

The Source Group, Inc. (SH)
1962 Freeman Ave.
Signal Hill, CA 90755

**Re : DFSP Norwalk GW Sampling / 04-NDLA-013
A5333188 / 9J31003**

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 10/31/19 17:30 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 black ink, appearing to read 'V. Vasile', is written over a light blue horizontal line.

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
<u>8260B+OXY+TPHG</u>					
QCTB-1	9J31003-01	Water	5	10/30/19 06:00	10/31/19 17:30
QCEB-1	9J31003-02	Water	5	10/30/19 07:30	10/31/19 17:30
QCTB-1	9J31003-14	Water	5	10/29/19 06:00	10/31/19 17:30
QCTB-1	9J31003-18	Water	5	10/31/19 06:00	10/31/19 17:30
QCEB-1	9J31003-19	Water	5	10/31/19 07:30	10/31/19 17:30
<u>8260B+OXYGENATES</u>					
GW-16	9J31003-03	Water	5	10/30/19 08:10	10/31/19 17:30
GMW-60	9J31003-04	Water	5	10/30/19 08:55	10/31/19 17:30
EXP-1	9J31003-05	Water	5	10/30/19 09:40	10/31/19 17:30
MW-17	9J31003-06	Water	5	10/30/19 10:35	10/31/19 17:30
GMW-57	9J31003-07	Water	5	10/30/19 11:20	10/31/19 17:30
TF-21	9J31003-08	Water	5	10/30/19 12:05	10/31/19 17:30
GMW-48	9J31003-09	Water	5	10/30/19 13:10	10/31/19 17:30
GMW-59	9J31003-10	Water	5	10/30/19 13:50	10/31/19 17:30
MW-16	9J31003-11	Water	5	10/30/19 14:35	10/31/19 17:30
GMW-12	9J31003-12	Water	5	10/30/19 15:15	10/31/19 17:30
DUP-3	9J31003-13	Water	5	10/31/19 00:00	10/31/19 17:30
MW-13	9J31003-16	Water	5	10/29/19 13:10	10/31/19 17:30

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
GMW-66R	9J31003-17	Water	5	10/29/19 14:20	10/31/19 17:30
EXP-3	9J31003-20	Water	5	10/31/19 08:40	10/31/19 17:30
MW-29	9J31003-21	Water	5	10/31/19 09:30	10/31/19 17:30
GMW-43	9J31003-22	Water	5	10/31/19 10:15	10/31/19 17:30
GMW-41	9J31003-23	Water	5	10/31/19 11:00	10/31/19 17:30
TF-9R	9J31003-24	Water	5	10/31/19 11:45	10/31/19 17:30
GMW-17R	9J31003-25	Water	5	10/31/19 12:30	10/31/19 17:30
DUP-4	9J31003-26	Water	5	10/31/19 00:00	10/31/19 17:30
PZ-3	9J31003-27	Water	5	10/31/19 13:10	10/31/19 17:30

Diesel Range Organics 8015M

GW-16	9J31003-03	Water	5	10/30/19 08:10	10/31/19 17:30
GMW-60	9J31003-04	Water	5	10/30/19 08:55	10/31/19 17:30
EXP-1	9J31003-05	Water	5	10/30/19 09:40	10/31/19 17:30
MW-17	9J31003-06	Water	5	10/30/19 10:35	10/31/19 17:30
GMW-57	9J31003-07	Water	5	10/30/19 11:20	10/31/19 17:30
TF-21	9J31003-08	Water	5	10/30/19 12:05	10/31/19 17:30
GMW-48	9J31003-09	Water	5	10/30/19 13:10	10/31/19 17:30
GMW-59	9J31003-10	Water	5	10/30/19 13:50	10/31/19 17:30
MW-16	9J31003-11	Water	5	10/30/19 14:35	10/31/19 17:30
GMW-12	9J31003-12	Water	5	10/30/19 15:15	10/31/19 17:30

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
DUP-3	9J31003-13	Water	5	10/31/19 00:00	10/31/19 17:30
MW-13	9J31003-16	Water	5	10/29/19 13:10	10/31/19 17:30
GMW-66R	9J31003-17	Water	5	10/29/19 14:20	10/31/19 17:30
EXP-3	9J31003-20	Water	5	10/31/19 08:40	10/31/19 17:30
MW-29	9J31003-21	Water	5	10/31/19 09:30	10/31/19 17:30
GMW-43	9J31003-22	Water	5	10/31/19 10:15	10/31/19 17:30
GMW-41	9J31003-23	Water	5	10/31/19 11:00	10/31/19 17:30
TF-9R	9J31003-24	Water	5	10/31/19 11:45	10/31/19 17:30
GMW-17R	9J31003-25	Water	5	10/31/19 12:30	10/31/19 17:30
DUP-4	9J31003-26	Water	5	10/31/19 00:00	10/31/19 17:30
PZ-3	9J31003-27	Water	5	10/31/19 13:10	10/31/19 17:30

Gasoline Range Organics 8015M

GW-16	9J31003-03	Water	5	10/30/19 08:10	10/31/19 17:30
GMW-60	9J31003-04	Water	5	10/30/19 08:55	10/31/19 17:30
EXP-1	9J31003-05	Water	5	10/30/19 09:40	10/31/19 17:30
MW-17	9J31003-06	Water	5	10/30/19 10:35	10/31/19 17:30
GMW-57	9J31003-07	Water	5	10/30/19 11:20	10/31/19 17:30
TF-21	9J31003-08	Water	5	10/30/19 12:05	10/31/19 17:30
GMW-48	9J31003-09	Water	5	10/30/19 13:10	10/31/19 17:30
GMW-59	9J31003-10	Water	5	10/30/19 13:50	10/31/19 17:30

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
MW-16	9J31003-11	Water	5	10/30/19 14:35	10/31/19 17:30
GMW-12	9J31003-12	Water	5	10/30/19 15:15	10/31/19 17:30
DUP-3	9J31003-13	Water	5	10/31/19 00:00	10/31/19 17:30
MW-13	9J31003-16	Water	5	10/29/19 13:10	10/31/19 17:30
GMW-66R	9J31003-17	Water	5	10/29/19 14:20	10/31/19 17:30
EXP-3	9J31003-20	Water	5	10/31/19 08:40	10/31/19 17:30
MW-29	9J31003-21	Water	5	10/31/19 09:30	10/31/19 17:30
GMW-43	9J31003-22	Water	5	10/31/19 10:15	10/31/19 17:30
GMW-41	9J31003-23	Water	5	10/31/19 11:00	10/31/19 17:30
TF-9R	9J31003-24	Water	5	10/31/19 11:45	10/31/19 17:30
GMW-17R	9J31003-25	Water	5	10/31/19 12:30	10/31/19 17:30
DUP-4	9J31003-26	Water	5	10/31/19 00:00	10/31/19 17:30
PZ-3	9J31003-27	Water	5	10/31/19 13:10	10/31/19 17:30

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19
Units: ug/L

Date Sampled:	10/30/19	10/30/19	10/29/19	10/31/19	
Date Prepared:	11/04/19	11/04/19	11/04/19	11/04/19	
Date Analyzed:	11/04/19	11/04/19	11/04/19	11/04/19	
AA ID No:	9J31003-01	9J31003-02	9J31003-14	9J31003-18	
Client ID No:	QCTB-1	QCEB-1	QCTB-1	QCTB-1	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

8260B+OXY+TPHG (EPA 8260B)

Acetone	<10	15	<10	<10	10
tert-Amyl-Methyl Ether (TAME)	<2.0	<2.0	<2.0	<2.0	2.0
Benzene	<0.50	<0.50	<0.50	<0.50	0.50
Bromobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Bromochloromethane	<0.50	<0.50	<0.50	<0.50	0.50
Bromodichloromethane	<0.50	<0.50	<0.50	<0.50	0.50
Bromoform	<0.50	<0.50	<0.50	<0.50	0.50
Bromomethane	<0.50	<0.50	<0.50	<0.50	0.50
2-Butanone (MEK)	<10	<10	<10	<10	10
tert-Butyl Alcohol (TBA)	<10	<10	<10	<10	10
sec-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
tert-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
n-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Carbon Disulfide	<0.50	<0.50	<0.50	<0.50	0.50
Carbon Tetrachloride	<0.50	<0.50	<0.50	<0.50	0.50
Chlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Chloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Chloroform	<0.50	<0.50	<0.50	<0.50	0.50
Chloromethane	<0.50	<0.50	<0.50	<0.50	0.50
2-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	0.50
4-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dibromo-3-chloropropane	<1.0	<1.0	<1.0	<1.0	1.0
Dibromochloromethane	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dibromoethane (EDB)	<0.50	<0.50	<0.50	<0.50	0.50
Dibromomethane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19
Units: ug/L

Date Sampled:	10/30/19	10/30/19	10/29/19	10/31/19	
Date Prepared:	11/04/19	11/04/19	11/04/19	11/04/19	
Date Analyzed:	11/04/19	11/04/19	11/04/19	11/04/19	
AA ID No:	9J31003-01	9J31003-02	9J31003-14	9J31003-18	
Client ID No:	QCTB-1	QCEB-1	QCTB-1	QCTB-1	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

8260B+OXY+TPHG (EPA 8260B) (continued)

1,4-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
2,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
Diisopropyl ether (DIPE)	<2.0	<2.0	<2.0	<2.0	2.0
Ethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	<2.0	<2.0	<2.0	2.0
Gasoline Range Organics (GRO)	<100	<100	<100	<100	100
Hexachlorobutadiene	<1.0	<1.0	<1.0	<1.0	1.0
2-Hexanone (MBK)	<10	<10	<10	<10	10
Isopropylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
4-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<1.2	<1.2	<1.2	<1.2	1.2
Methylene Chloride	<5.0	<5.0	<5.0	<5.0	5.0
4-Methyl-2-pentanone (MIBK)	<10	<10	<10	<10	10
Naphthalene	<2.0	<2.0	<2.0	<2.0	2.0
n-Propylbenzene	<0.50	<0.50	<0.50	<0.50	0.50

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19
Units: ug/L

Date Sampled:	10/30/19	10/30/19	10/29/19	10/31/19	
Date Prepared:	11/04/19	11/04/19	11/04/19	11/04/19	
Date Analyzed:	11/04/19	11/04/19	11/04/19	11/04/19	
AA ID No:	9J31003-01	9J31003-02	9J31003-14	9J31003-18	
Client ID No:	QCTB-1	QCEB-1	QCTB-1	QCTB-1	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

8260B+OXY+TPHG (EPA 8260B) (continued)

Styrene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Tetrachloroethylene (PCE)	<0.50	<0.50	<0.50	<0.50	0.50
Toluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Trichloroethylene (TCE)	<0.50	<0.50	<0.50	<0.50	0.50
Trichlorofluoromethane (R11)	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	<0.50	<0.50	<0.50	0.50
1,3,5-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Vinyl chloride	<0.50	<0.50	<0.50	<0.50	0.50
o-Xylene	<0.50	<0.50	<0.50	<0.50	0.50
m,p-Xylenes	<1.0	<1.0	<1.0	<1.0	1.0

Surrogates					%REC Limits
4-Bromofluorobenzene	91%	95%	94%	94%	80-129
Dibromofluoromethane	91%	94%	95%	95%	68-137
Toluene-d8	89%	91%	91%	91%	83-134

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19
Units: ug/L

Date Sampled: 10/31/19
Date Prepared: 11/04/19
Date Analyzed: 11/04/19
AA ID No: 9J31003-19
Client ID No: QCEB-1
Matrix: Water
Dilution Factor: 1

8260B+OXY+TPHG (EPA 8260B)

		MRL
Acetone	12	10
tert-Amyl-Methyl Ether (TAME)	<2.0	2.0
Benzene	<0.50	0.50
Bromobenzene	<0.50	0.50
Bromochloromethane	<0.50	0.50
Bromodichloromethane	<0.50	0.50
Bromoform	<0.50	0.50
Bromomethane	<0.50	0.50
2-Butanone (MEK)	<10	10
tert-Butyl Alcohol (TBA)	<10	10
sec-Butylbenzene	<0.50	0.50
tert-Butylbenzene	<0.50	0.50
n-Butylbenzene	<0.50	0.50
Carbon Disulfide	<0.50	0.50
Carbon Tetrachloride	<0.50	0.50
Chlorobenzene	<0.50	0.50
Chloroethane	<0.50	0.50
Chloroform	<0.50	0.50
Chloromethane	<0.50	0.50
2-Chlorotoluene	<0.50	0.50
4-Chlorotoluene	<0.50	0.50
1,2-Dibromo-3-chloropropane	<1.0	1.0
Dibromochloromethane	<0.50	0.50
1,2-Dibromoethane (EDB)	<0.50	0.50
Dibromomethane	<0.50	0.50
1,3-Dichlorobenzene	<0.50	0.50
1,2-Dichlorobenzene	<0.50	0.50

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19
Units: ug/L

Date Sampled:	10/31/19	
Date Prepared:	11/04/19	
Date Analyzed:	11/04/19	
AA ID No:	9J31003-19	
Client ID No:	QCEB-1	
Matrix:	Water	
Dilution Factor:	1	MRL

8260B+OXY+TPHG (EPA 8260B) (continued)

1,4-Dichlorobenzene	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	0.50
1,1-Dichloroethane	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	0.50
1,1-Dichloroethylene	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	0.50
1,2-Dichloropropane	<0.50	0.50
2,2-Dichloropropane	<0.50	0.50
1,3-Dichloropropane	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	0.50
1,1-Dichloropropylene	<0.50	0.50
Diisopropyl ether (DIPE)	<2.0	2.0
Ethylbenzene	<0.50	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	2.0
Gasoline Range Organics (GRO)	<100	100
Hexachlorobutadiene	<1.0	1.0
2-Hexanone (MBK)	<10	10
Isopropylbenzene	<0.50	0.50
4-Isopropyltoluene	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<1.2	1.2
Methylene Chloride	<5.0	5.0
4-Methyl-2-pentanone (MIBK)	<10	10
Naphthalene	<2.0	2.0
n-Propylbenzene	<0.50	0.50

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19
Units: ug/L

Date Sampled:	10/31/19	
Date Prepared:	11/04/19	
Date Analyzed:	11/04/19	
AA ID No:	9J31003-19	
Client ID No:	QCEB-1	
Matrix:	Water	
Dilution Factor:	1	MRL

8260B+OXY+TPHG (EPA 8260B) (continued)

Styrene	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	0.50
1,1,2,2-Tetrachloroethane	<0.50	0.50
Tetrachloroethylene (PCE)	<0.50	0.50
Toluene	<0.50	0.50
1,2,3-Trichlorobenzene	<0.50	0.50
1,2,4-Trichlorobenzene	<0.50	0.50
1,1,1-Trichloroethane	<0.50	0.50
1,1,2-Trichloroethane	<0.50	0.50
Trichloroethylene (TCE)	<0.50	0.50
Trichlorofluoromethane (R11)	<0.50	0.50
1,2,3-Trichloropropane	<0.50	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	0.50
1,3,5-Trimethylbenzene	<0.50	0.50
1,2,4-Trimethylbenzene	<0.50	0.50
Vinyl chloride	<0.50	0.50
o-Xylene	<0.50	0.50
m,p-Xylenes	<1.0	1.0

<u>Surrogates</u>		<u>%REC Limits</u>
4-Bromofluorobenzene	95%	80-129
Dibromofluoromethane	95%	68-137
Toluene-d8	91%	83-134

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19
Units: ug/L

	10/30/19	10/30/19	10/30/19	10/30/19	
Date Sampled:	10/30/19	10/30/19	10/30/19	10/30/19	
Date Prepared:	11/04/19	11/04/19	11/04/19	11/04/19	
Date Analyzed:	11/04/19	11/04/19	11/04/19	11/04/19	
AA ID No:	9J31003-03	9J31003-04	9J31003-05	9J31003-06	
Client ID No:	GW-16	GMW-60	EXP-1	MW-17	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

8260B+OXYGENATES (EPA 8260B)

Acetone	<10	22	15	<10	10
tert-Amyl-Methyl Ether (TAME)	<2.0	<2.0	<2.0	<2.0	2.0
Benzene	<0.50	<0.50	<0.50	<0.50	0.50
Bromobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Bromochloromethane	<0.50	<0.50	<0.50	<0.50	0.50
Bromodichloromethane	<0.50	<0.50	<0.50	<0.50	0.50
Bromoform	<0.50	<0.50	<0.50	<0.50	0.50
Bromomethane	<0.50	<0.50	<0.50	<0.50	0.50
2-Butanone (MEK)	<10	<10	<10	<10	10
tert-Butyl Alcohol (TBA)	<10	<10	<10	<10	10
sec-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
tert-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
n-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Carbon Disulfide	<0.50	<0.50	<0.50	<0.50	0.50
Carbon Tetrachloride	<0.50	<0.50	<0.50	<0.50	0.50
Chlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Chloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Chloroform	<0.50	<0.50	<0.50	<0.50	0.50
Chloromethane	<0.50	<0.50	<0.50	<0.50	0.50
2-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	0.50
4-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dibromo-3-chloropropane	<1.0	<1.0	<1.0	<1.0	1.0
Dibromochloromethane	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dibromoethane (EDB)	<0.50	<0.50	<0.50	<0.50	0.50
Dibromomethane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19
Units: ug/L

Date Sampled:	10/30/19	10/30/19	10/30/19	10/30/19	
Date Prepared:	11/04/19	11/04/19	11/04/19	11/04/19	
Date Analyzed:	11/04/19	11/04/19	11/04/19	11/04/19	
AA ID No:	9J31003-03	9J31003-04	9J31003-05	9J31003-06	
Client ID No:	GW-16	GMW-60	EXP-1	MW-17	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

8260B+OXYGENATES (EPA 8260B) (continued)

1,4-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
2,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
Diisopropyl ether (DIPE)	<2.0	<2.0	<2.0	<2.0	2.0
Ethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	<2.0	<2.0	<2.0	2.0
Hexachlorobutadiene	<1.0	<1.0	<1.0	<1.0	1.0
2-Hexanone (MBK)	<10	<10	<10	<10	10
Isopropylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
4-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<1.2	<1.2	<1.2	<1.2	1.2
Methylene Chloride	<5.0	<5.0	<5.0	<5.0	5.0
4-Methyl-2-pentanone (MIBK)	<10	<10	<10	<10	10
Naphthalene	<2.0	<2.0	<2.0	<2.0	2.0
n-Propylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Styrene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19
Units: ug/L

	10/30/19	10/30/19	10/30/19	10/30/19	
Date Sampled:	10/30/19	10/30/19	10/30/19	10/30/19	
Date Prepared:	11/04/19	11/04/19	11/04/19	11/04/19	
Date Analyzed:	11/04/19	11/04/19	11/04/19	11/04/19	
AA ID No:	9J31003-03	9J31003-04	9J31003-05	9J31003-06	
Client ID No:	GW-16	GMW-60	EXP-1	MW-17	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

8260B+OXYGENATES (EPA 8260B) (continued)

1,1,2,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Tetrachloroethylene (PCE)	<0.50	<0.50	<0.50	<0.50	0.50
Toluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Trichloroethylene (TCE)	<0.50	<0.50	<0.50	<0.50	0.50
Trichlorofluoromethane (R11)	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	<0.50	<0.50	<0.50	0.50
1,3,5-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Vinyl chloride	<0.50	<0.50	<0.50	<0.50	0.50
o-Xylene	<0.50	<0.50	<0.50	<0.50	0.50
m,p-Xylenes	<1.0	<1.0	<1.0	<1.0	1.0

<u>Surrogates</u>					<u>%REC Limits</u>
4-Bromofluorobenzene	96%	95%	97%	98%	80-129
Dibromofluoromethane	93%	96%	95%	96%	68-137
Toluene-d8	93%	92%	93%	93%	83-134

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19
Units: ug/L

	10/30/19	10/30/19	10/30/19	10/30/19	
Date Sampled:	10/30/19	10/30/19	10/30/19	10/30/19	
Date Prepared:	11/04/19	11/04/19	11/04/19	11/04/19	
Date Analyzed:	11/04/19	11/04/19	11/04/19	11/04/19	
AA ID No:	9J31003-07	9J31003-08	9J31003-09	9J31003-10	
Client ID No:	GMW-57	TF-21	GMW-48	GMW-59	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

8260B+OXYGENATES (EPA 8260B)

Acetone	17	<10	<10	11	10
tert-Amyl-Methyl Ether (TAME)	<2.0	<2.0	<2.0	<2.0	2.0
Benzene	<0.50	2.1	<0.50	<0.50	0.50
Bromobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Bromochloromethane	<0.50	<0.50	<0.50	<0.50	0.50
Bromodichloromethane	<0.50	<0.50	<0.50	<0.50	0.50
Bromoform	<0.50	<0.50	<0.50	<0.50	0.50
Bromomethane	<0.50	<0.50	<0.50	<0.50	0.50
2-Butanone (MEK)	<10	<10	<10	<10	10
tert-Butyl Alcohol (TBA)	87	<10	<10	<10	10
sec-Butylbenzene	0.52	2.0	<0.50	<0.50	0.50
tert-Butylbenzene	0.71	0.74	<0.50	<0.50	0.50
n-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Carbon Disulfide	<0.50	<0.50	<0.50	<0.50	0.50
Carbon Tetrachloride	<0.50	<0.50	<0.50	<0.50	0.50
Chlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Chloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Chloroform	<0.50	<0.50	<0.50	<0.50	0.50
Chloromethane	<0.50	<0.50	<0.50	<0.50	0.50
2-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	0.50
4-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dibromo-3-chloropropane	<1.0	<1.0	<1.0	<1.0	1.0
Dibromochloromethane	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dibromoethane (EDB)	<0.50	<0.50	<0.50	<0.50	0.50
Dibromomethane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19
Units: ug/L

	10/30/19	10/30/19	10/30/19	10/30/19	
Date Sampled:	10/30/19	10/30/19	10/30/19	10/30/19	
Date Prepared:	11/04/19	11/04/19	11/04/19	11/04/19	
Date Analyzed:	11/04/19	11/04/19	11/04/19	11/04/19	
AA ID No:	9J31003-07	9J31003-08	9J31003-09	9J31003-10	
Client ID No:	GMW-57	TF-21	GMW-48	GMW-59	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

8260B+OXYGENATES (EPA 8260B) (continued)

1,4-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethane	0.56	<0.50	<0.50	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	<0.50	2.8	<0.50	0.50
1,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
2,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
Diisopropyl ether (DIPE)	<2.0	<2.0	<2.0	<2.0	2.0
Ethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	<2.0	<2.0	<2.0	2.0
Hexachlorobutadiene	<1.0	<1.0	<1.0	<1.0	1.0
2-Hexanone (MBK)	<10	<10	<10	<10	10
Isopropylbenzene	5.6	11	<0.50	<0.50	0.50
4-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	4.8	<1.2	<1.2	<1.2	1.2
Methylene Chloride	<5.0	<5.0	<5.0	<5.0	5.0
4-Methyl-2-pentanone (MIBK)	<10	<10	<10	<10	10
Naphthalene	4.2	2.9	<2.0	<2.0	2.0
n-Propylbenzene	2.2	3.0	<0.50	<0.50	0.50
Styrene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19
Units: ug/L

Date Sampled:	10/30/19	10/30/19	10/30/19	10/30/19	
Date Prepared:	11/04/19	11/04/19	11/04/19	11/04/19	
Date Analyzed:	11/04/19	11/04/19	11/04/19	11/04/19	
AA ID No:	9J31003-07	9J31003-08	9J31003-09	9J31003-10	
Client ID No:	GMW-57	TF-21	GMW-48	GMW-59	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

8260B+OXYGENATES (EPA 8260B) (continued)

1,1,2,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Tetrachloroethylene (PCE)	<0.50	<0.50	<0.50	<0.50	0.50
Toluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Trichloroethylene (TCE)	<0.50	<0.50	<0.50	<0.50	0.50
Trichlorofluoromethane (R11)	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	<0.50	<0.50	<0.50	0.50
1,3,5-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Vinyl chloride	<0.50	<0.50	<0.50	<0.50	0.50
o-Xylene	<0.50	<0.50	<0.50	<0.50	0.50
m,p-Xylenes	<1.0	<1.0	<1.0	<1.0	1.0

<u>Surrogates</u>					<u>%REC Limits</u>
4-Bromofluorobenzene	93%	93%	93%	94%	80-129
Dibromofluoromethane	98%	97%	93%	96%	68-137
Toluene-d8	93%	93%	92%	93%	83-134

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19
Units: ug/L

	10/30/19	10/30/19	10/31/19	10/29/19	
Date Sampled:	10/30/19	10/30/19	10/31/19	10/29/19	
Date Prepared:	11/04/19	11/04/19	11/04/19	11/04/19	
Date Analyzed:	11/04/19	11/04/19	11/04/19	11/04/19	
AA ID No:	9J31003-11	9J31003-12	9J31003-13	9J31003-16	
Client ID No:	MW-16	GMW-12	DUP-3	MW-13	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

8260B+OXYGENATES (EPA 8260B)

Acetone	<10	<10	14	<10	10
tert-Amyl-Methyl Ether (TAME)	<2.0	<2.0	<2.0	<2.0	2.0
Benzene	<0.50	<0.50	<0.50	<0.50	0.50
Bromobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Bromochloromethane	<0.50	<0.50	<0.50	<0.50	0.50
Bromodichloromethane	<0.50	<0.50	<0.50	<0.50	0.50
Bromoform	<0.50	<0.50	<0.50	<0.50	0.50
Bromomethane	<0.50	<0.50	<0.50	<0.50	0.50
2-Butanone (MEK)	<10	<10	<10	<10	10
tert-Butyl Alcohol (TBA)	<10	<10	<10	<10	10
sec-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
tert-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
n-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Carbon Disulfide	<0.50	<0.50	<0.50	<0.50	0.50
Carbon Tetrachloride	<0.50	<0.50	<0.50	<0.50	0.50
Chlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Chloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Chloroform	<0.50	<0.50	<0.50	<0.50	0.50
Chloromethane	<0.50	<0.50	<0.50	<0.50	0.50
2-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	0.50
4-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dibromo-3-chloropropane	<1.0	<1.0	<1.0	<1.0	1.0
Dibromochloromethane	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dibromoethane (EDB)	<0.50	<0.50	<0.50	<0.50	0.50
Dibromomethane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19
Units: ug/L

	10/30/19	10/30/19	10/31/19	10/29/19	
Date Sampled:	10/30/19	10/30/19	10/31/19	10/29/19	
Date Prepared:	11/04/19	11/04/19	11/04/19	11/04/19	
Date Analyzed:	11/04/19	11/04/19	11/04/19	11/04/19	
AA ID No:	9J31003-11	9J31003-12	9J31003-13	9J31003-16	
Client ID No:	MW-16	GMW-12	DUP-3	MW-13	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

8260B+OXYGENATES (EPA 8260B) (continued)

1,4-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
2,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
Diisopropyl ether (DIPE)	<2.0	<2.0	<2.0	<2.0	2.0
Ethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	<2.0	<2.0	<2.0	2.0
Hexachlorobutadiene	<1.0	<1.0	<1.0	<1.0	1.0
2-Hexanone (MBK)	<10	<10	<10	<10	10
Isopropylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
4-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<1.2	<1.2	<1.2	<1.2	1.2
Methylene Chloride	<5.0	<5.0	<5.0	<5.0	5.0
4-Methyl-2-pentanone (MIBK)	<10	<10	<10	<10	10
Naphthalene	<2.0	<2.0	<2.0	<2.0	2.0
n-Propylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Styrene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19
Units: ug/L

Date Sampled:	10/30/19	10/30/19	10/31/19	10/29/19	
Date Prepared:	11/04/19	11/04/19	11/04/19	11/04/19	
Date Analyzed:	11/04/19	11/04/19	11/04/19	11/04/19	
AA ID No:	9J31003-11	9J31003-12	9J31003-13	9J31003-16	
Client ID No:	MW-16	GMW-12	DUP-3	MW-13	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

8260B+OXYGENATES (EPA 8260B) (continued)

1,1,2,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Tetrachloroethylene (PCE)	<0.50	<0.50	<0.50	<0.50	0.50
Toluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Trichloroethylene (TCE)	<0.50	<0.50	<0.50	<0.50	0.50
Trichlorofluoromethane (R11)	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	<0.50	<0.50	<0.50	0.50
1,3,5-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Vinyl chloride	<0.50	<0.50	<0.50	<0.50	0.50
o-Xylene	<0.50	<0.50	<0.50	<0.50	0.50
m,p-Xylenes	<1.0	<1.0	<1.0	<1.0	1.0

<u>Surrogates</u>					<u>%REC Limits</u>
4-Bromofluorobenzene	96%	96%	96%	95%	80-129
Dibromofluoromethane	92%	96%	99%	93%	68-137
Toluene-d8	93%	92%	93%	93%	83-134

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19
Units: ug/L

	10/29/19	10/31/19	10/31/19	10/31/19	
Date Sampled:	10/29/19	10/31/19	10/31/19	10/31/19	
Date Prepared:	11/04/19	11/07/19	11/07/19	11/07/19	
Date Analyzed:	11/04/19	11/07/19	11/07/19	11/07/19	
AA ID No:	9J31003-17	9J31003-20	9J31003-21	9J31003-22	
Client ID No:	GMW-66R	EXP-3	MW-29	GMW-43	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

8260B+OXYGENATES (EPA 8260B)

Acetone	<10	19	<10	10	10
tert-Amyl-Methyl Ether (TAME)	<2.0	<2.0	<2.0	<2.0	2.0
Benzene	<0.50	<0.50	<0.50	<0.50	0.50
Bromobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Bromochloromethane	<0.50	<0.50	<0.50	<0.50	0.50
Bromodichloromethane	<0.50	<0.50	<0.50	<0.50	0.50
Bromoform	<0.50	<0.50	<0.50	<0.50	0.50
Bromomethane	<0.50	<0.50	<0.50	<0.50	0.50
2-Butanone (MEK)	<10	<10	<10	<10	10
tert-Butyl Alcohol (TBA)	<10	<10	<10	<10	10
sec-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
tert-Butylbenzene	<0.50	<0.50	0.65	<0.50	0.50
n-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Carbon Disulfide	<0.50	<0.50	<0.50	<0.50	0.50
Carbon Tetrachloride	<0.50	<0.50	<0.50	<0.50	0.50
Chlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Chloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Chloroform	<0.50	<0.50	<0.50	<0.50	0.50
Chloromethane	<0.50	<0.50	<0.50	<0.50	0.50
2-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	0.50
4-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dibromo-3-chloropropane	<1.0	<1.0	<1.0	<1.0	1.0
Dibromochloromethane	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dibromoethane (EDB)	<0.50	<0.50	<0.50	<0.50	0.50
Dibromomethane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	AA Project No:	A5333188
Project No:	04-NDLA-013	Date Received:	10/31/19
Project Name:	DFSP Norwalk GW Sampling	Date Reported:	11/21/19
Method:	VOCs & OXYGENATES by GC/MS	Units:	ug/L

Date Sampled:	10/29/19	10/31/19	10/31/19	10/31/19	
Date Prepared:	11/04/19	11/07/19	11/07/19	11/07/19	
Date Analyzed:	11/04/19	11/07/19	11/07/19	11/07/19	
AA ID No:	9J31003-17	9J31003-20	9J31003-21	9J31003-22	
Client ID No:	GMW-66R	EXP-3	MW-29	GMW-43	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

8260B+OXYGENATES (EPA 8260B) (continued)

1,4-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
2,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
Diisopropyl ether (DIPE)	<2.0	<2.0	<2.0	<2.0	2.0
Ethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	<2.0	<2.0	<2.0	2.0
Hexachlorobutadiene	<1.0	<1.0	<1.0	<1.0	1.0
2-Hexanone (MBK)	<10	<10	<10	<10	10
Isopropylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
4-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<1.2	<1.2	<1.2	<1.2	1.2
Methylene Chloride	<5.0	<5.0	<5.0	<5.0	5.0
4-Methyl-2-pentanone (MIBK)	<10	<10	<10	<10	10
Naphthalene	<2.0	<2.0	<2.0	<2.0	2.0
n-Propylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Styrene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19
Units: ug/L

Date Sampled:	10/29/19	10/31/19	10/31/19	10/31/19	
Date Prepared:	11/04/19	11/07/19	11/07/19	11/07/19	
Date Analyzed:	11/04/19	11/07/19	11/07/19	11/07/19	
AA ID No:	9J31003-17	9J31003-20	9J31003-21	9J31003-22	
Client ID No:	GMW-66R	EXP-3	MW-29	GMW-43	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

8260B+OXYGENATES (EPA 8260B) (continued)

1,1,2,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Tetrachloroethylene (PCE)	<0.50	<0.50	<0.50	<0.50	0.50
Toluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Trichloroethylene (TCE)	<0.50	<0.50	<0.50	<0.50	0.50
Trichlorofluoromethane (R11)	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	<0.50	<0.50	<0.50	0.50
1,3,5-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Vinyl chloride	<0.50	<0.50	<0.50	<0.50	0.50
o-Xylene	<0.50	<0.50	<0.50	<0.50	0.50
m,p-Xylenes	<1.0	<1.0	<1.0	<1.0	1.0

<u>Surrogates</u>					<u>%REC Limits</u>
4-Bromofluorobenzene	96%	93%	95%	96%	80-129
Dibromofluoromethane	96%	93%	98%	97%	68-137
Toluene-d8	93%	92%	93%	92%	83-134

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19
Units: ug/L

	10/31/19	10/31/19	10/31/19	10/31/19	
Date Sampled:	10/31/19	10/31/19	10/31/19	10/31/19	
Date Prepared:	11/07/19	11/07/19	11/07/19	11/07/19	
Date Analyzed:	11/07/19	11/07/19	11/07/19	11/07/19	
AA ID No:	9J31003-23	9J31003-24	9J31003-25	9J31003-26	
Client ID No:	GMW-41	TF-9R	GMW-17R	DUP-4	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

8260B+OXYGENATES (EPA 8260B)

Acetone	15	<10	<10	13	10
tert-Amyl-Methyl Ether (TAME)	<2.0	<2.0	<2.0	<2.0	2.0
Benzene	<0.50	<0.50	1.3	<0.50	0.50
Bromobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Bromochloromethane	<0.50	<0.50	<0.50	<0.50	0.50
Bromodichloromethane	<0.50	<0.50	<0.50	<0.50	0.50
Bromoform	<0.50	<0.50	<0.50	<0.50	0.50
Bromomethane	<0.50	<0.50	<0.50	<0.50	0.50
2-Butanone (MEK)	<10	<10	<10	<10	10
tert-Butyl Alcohol (TBA)	<10	<10	<10	<10	10
sec-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
tert-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
n-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Carbon Disulfide	<0.50	<0.50	<0.50	<0.50	0.50
Carbon Tetrachloride	<0.50	<0.50	<0.50	<0.50	0.50
Chlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Chloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Chloroform	<0.50	<0.50	<0.50	<0.50	0.50
Chloromethane	<0.50	<0.50	<0.50	<0.50	0.50
2-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	0.50
4-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dibromo-3-chloropropane	<1.0	<1.0	<1.0	<1.0	1.0
Dibromochloromethane	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dibromoethane (EDB)	<0.50	<0.50	<0.50	<0.50	0.50
Dibromomethane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19
Units: ug/L

Date Sampled:	10/31/19	10/31/19	10/31/19	10/31/19	
Date Prepared:	11/07/19	11/07/19	11/07/19	11/07/19	
Date Analyzed:	11/07/19	11/07/19	11/07/19	11/07/19	
AA ID No:	9J31003-23	9J31003-24	9J31003-25	9J31003-26	
Client ID No:	GMW-41	TF-9R	GMW-17R	DUP-4	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

8260B+OXYGENATES (EPA 8260B) (continued)

1,4-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
2,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
Diisopropyl ether (DIPE)	<2.0	<2.0	<2.0	<2.0	2.0
Ethylbenzene	<0.50	<0.50	4.7	<0.50	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	<2.0	<2.0	<2.0	2.0
Hexachlorobutadiene	<1.0	<1.0	<1.0	<1.0	1.0
2-Hexanone (MBK)	<10	<10	<10	<10	10
Isopropylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
4-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<1.2	<1.2	<1.2	<1.2	1.2
Methylene Chloride	<5.0	<5.0	<5.0	<5.0	5.0
4-Methyl-2-pentanone (MIBK)	<10	<10	<10	<10	10
Naphthalene	<2.0	<2.0	<2.0	<2.0	2.0
n-Propylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Styrene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19
Units: ug/L

Date Sampled:	10/31/19	10/31/19	10/31/19	10/31/19	
Date Prepared:	11/07/19	11/07/19	11/07/19	11/07/19	
Date Analyzed:	11/07/19	11/07/19	11/07/19	11/07/19	
AA ID No:	9J31003-23	9J31003-24	9J31003-25	9J31003-26	
Client ID No:	GMW-41	TF-9R	GMW-17R	DUP-4	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

8260B+OXYGENATES (EPA 8260B) (continued)

1,1,2,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Tetrachloroethylene (PCE)	<0.50	<0.50	<0.50	<0.50	0.50
Toluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Trichloroethylene (TCE)	<0.50	<0.50	<0.50	<0.50	0.50
Trichlorofluoromethane (R11)	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	<0.50	<0.50	<0.50	0.50
1,3,5-Trimethylbenzene	<0.50	<0.50	1.3	<0.50	0.50
1,2,4-Trimethylbenzene	<0.50	<0.50	1.5	<0.50	0.50
Vinyl chloride	<0.50	<0.50	<0.50	<0.50	0.50
o-Xylene	<0.50	<0.50	4.2	<0.50	0.50
m,p-Xylenes	<1.0	<1.0	14	<1.0	1.0

<u>Surrogates</u>					<u>%REC Limits</u>
4-Bromofluorobenzene	97%	98%	96%	96%	80-129
Dibromofluoromethane	96%	98%	99%	97%	68-137
Toluene-d8	93%	93%	94%	94%	83-134

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19
Units: ug/L

Date Sampled:	10/31/19	
Date Prepared:	11/07/19	
Date Analyzed:	11/07/19	
AA ID No:	9J31003-27	
Client ID No:	PZ-3	
Matrix:	Water	
Dilution Factor:	1	MRL

8260B+OXYGENATES (EPA 8260B)

Acetone	24	10
tert-Amyl-Methyl Ether (TAME)	<2.0	2.0
Benzene	<0.50	0.50
Bromobenzene	<0.50	0.50
Bromochloromethane	<0.50	0.50
Bromodichloromethane	<0.50	0.50
Bromoform	<0.50	0.50
Bromomethane	<0.50	0.50
2-Butanone (MEK)	<10	10
tert-Butyl Alcohol (TBA)	<10	10
sec-Butylbenzene	3.7	0.50
tert-Butylbenzene	1.1	0.50
n-Butylbenzene	<0.50	0.50
Carbon Disulfide	<0.50	0.50
Carbon Tetrachloride	<0.50	0.50
Chlorobenzene	<0.50	0.50
Chloroethane	<0.50	0.50
Chloroform	<0.50	0.50
Chloromethane	<0.50	0.50
2-Chlorotoluene	<0.50	0.50
4-Chlorotoluene	<0.50	0.50
1,2-Dibromo-3-chloropropane	<1.0	1.0
Dibromochloromethane	<0.50	0.50
1,2-Dibromoethane (EDB)	<0.50	0.50
Dibromomethane	<0.50	0.50
1,3-Dichlorobenzene	<0.50	0.50
1,2-Dichlorobenzene	<0.50	0.50

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19
Units: ug/L

Date Sampled:	10/31/19	
Date Prepared:	11/07/19	
Date Analyzed:	11/07/19	
AA ID No:	9J31003-27	
Client ID No:	PZ-3	
Matrix:	Water	
Dilution Factor:	1	MRL

8260B+OXYGENATES (EPA 8260B) (continued)

1,4-Dichlorobenzene	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	0.50
1,1-Dichloroethane	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	0.50
1,1-Dichloroethylene	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	0.50
1,2-Dichloropropane	<0.50	0.50
2,2-Dichloropropane	<0.50	0.50
1,3-Dichloropropane	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	0.50
1,1-Dichloropropylene	<0.50	0.50
Diisopropyl ether (DIPE)	<2.0	2.0
Ethylbenzene	<0.50	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	2.0
Hexachlorobutadiene	<1.0	1.0
2-Hexanone (MBK)	<10	10
Isopropylbenzene	12	0.50
4-Isopropyltoluene	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	3.1	1.2
Methylene Chloride	<5.0	5.0
4-Methyl-2-pentanone (MIBK)	<10	10
Naphthalene	<2.0	2.0
n-Propylbenzene	1.1	0.50
Styrene	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	0.50

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19
Units: ug/L

Date Sampled:	10/31/19	
Date Prepared:	11/07/19	
Date Analyzed:	11/07/19	
AA ID No:	9J31003-27	
Client ID No:	PZ-3	
Matrix:	Water	
Dilution Factor:	1	MRL

8260B+OXYGENATES (EPA 8260B) (continued)

1,1,2,2-Tetrachloroethane	<0.50	0.50
Tetrachloroethylene (PCE)	<0.50	0.50
Toluene	<0.50	0.50
1,2,3-Trichlorobenzene	<0.50	0.50
1,2,4-Trichlorobenzene	<0.50	0.50
1,1,1-Trichloroethane	<0.50	0.50
1,1,2-Trichloroethane	<0.50	0.50
Trichloroethylene (TCE)	<0.50	0.50
Trichlorofluoromethane (R11)	<0.50	0.50
1,2,3-Trichloropropane	<0.50	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	0.50
1,3,5-Trimethylbenzene	<0.50	0.50
1,2,4-Trimethylbenzene	<0.50	0.50
Vinyl chloride	<0.50	0.50
o-Xylene	<0.50	0.50
m,p-Xylenes	<1.0	1.0

<u>Surrogates</u>		<u>%REC Limits</u>
4-Bromofluorobenzene	92%	80-129
Dibromofluoromethane	99%	68-137
Toluene-d8	93%	83-134

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: Diesel Range Organics by GC/FID

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19
Units: mg/L

Date Sampled:	10/30/19	10/30/19	10/30/19	10/30/19	
Date Prepared:	11/05/19	11/05/19	11/05/19	11/05/19	
Date Analyzed:	11/05/19	11/05/19	11/05/19	11/05/19	
AA ID No:	9J31003-03	9J31003-04	9J31003-05	9J31003-06	
Client ID No:	GW-16	GMW-60	EXP-1	MW-17	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

Diesel Range Organics 8015M (EPA 8015M)

Diesel Range Organics as Diesel	<0.10	<0.10	<0.10	<0.10	0.10
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Surrogates

o-Terphenyl	132%	146%	129%	142%	<u>%REC Limits</u> 50-150
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Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: Diesel Range Organics by GC/FID

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19
Units: mg/L

Date Sampled:	10/30/19	10/30/19	10/30/19	10/30/19	
Date Prepared:	11/05/19	11/05/19	11/05/19	11/05/19	
Date Analyzed:	11/05/19	11/05/19	11/05/19	11/05/19	
AA ID No:	9J31003-07	9J31003-08	9J31003-09	9J31003-10	
Client ID No:	GMW-57	TF-21	GMW-48	GMW-59	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

Diesel Range Organics 8015M (EPA 8015M)

Diesel Range Organics as Diesel	0.46	0.31	0.45	0.48	0.10
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<u>Surrogates</u>					<u>%REC Limits</u>
o-Terphenyl	146%	124%	138%	122%	50-150

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: Diesel Range Organics by GC/FID

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19
Units: mg/L

Date Sampled:	10/30/19	10/30/19	10/31/19	10/29/19	
Date Prepared:	11/05/19	11/05/19	11/05/19	11/05/19	
Date Analyzed:	11/05/19	11/06/19	11/06/19	11/06/19	
AA ID No:	9J31003-11	9J31003-12	9J31003-13	9J31003-16	
Client ID No:	MW-16	GMW-12	DUP-3	MW-13	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

Diesel Range Organics 8015M (EPA 8015M)

Diesel Range Organics as Diesel	<0.10	0.60	0.74	<0.10	0.10
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<u>Surrogates</u>					<u>%REC Limits</u>
o-Terphenyl	129%	119%	140%	118%	50-150

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 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: Diesel Range Organics by GC/FID

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19
Units: mg/L

Date Sampled:	10/29/19	10/31/19	10/31/19	10/31/19	
Date Prepared:	11/05/19	11/06/19	11/06/19	11/06/19	
Date Analyzed:	11/06/19	11/06/19	11/06/19	11/06/19	
AA ID No:	9J31003-17	9J31003-20	9J31003-21	9J31003-22	
Client ID No:	GMW-66R	EXP-3	MW-29	GMW-43	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

Diesel Range Organics 8015M (EPA 8015M)

Diesel Range Organics as Diesel	<0.10	<0.10	0.25	0.30	0.10
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Surrogates

o-Terphenyl	129%	134%	147%	129%	%REC Limits 50-150
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 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: Diesel Range Organics by GC/FID

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19
Units: mg/L

Date Sampled:	10/31/19	10/31/19	10/31/19	10/31/19	
Date Prepared:	11/06/19	11/06/19	11/06/19	11/06/19	
Date Analyzed:	11/06/19	11/06/19	11/06/19	11/07/19	
AA ID No:	9J31003-23	9J31003-24	9J31003-25	9J31003-26	
Client ID No:	GMW-41	TF-9R	GMW-17R	DUP-4	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

Diesel Range Organics 8015M (EPA 8015M)

Diesel Range Organics as Diesel	0.14	0.10	<0.10	0.17	0.10
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<u>Surrogates</u>					<u>%REC Limits</u>
o-Terphenyl	134%	140%	128%	142%	50-150

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: Diesel Range Organics by GC/FID

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19
Units: mg/L

Date Sampled:	10/31/19	
Date Prepared:	11/06/19	
Date Analyzed:	11/07/19	
AA ID No:	9J31003-27	
Client ID No:	PZ-3	
Matrix:	Water	
Dilution Factor:	1	MRL

Diesel Range Organics 8015M (EPA 8015M)

Diesel Range Organics as Diesel	0.52	0.10
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<u>Surrogates</u>		<u>%REC Limits</u>
o-Terphenyl	98%	50-150

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 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: Gasoline Range Organics by GC/FID

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19
Units: ug/L

Date Sampled:	10/30/19	10/30/19	10/30/19	10/30/19	
Date Prepared:	11/05/19	11/05/19	11/05/19	11/05/19	
Date Analyzed:	11/05/19	11/05/19	11/05/19	11/05/19	
AA ID No:	9J31003-03	9J31003-04	9J31003-05	9J31003-06	
Client ID No:	GW-16	GMW-60	EXP-1	MW-17	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

Gasoline Range Organics 8015M (EPA 8015M)

Gasoline Range Organics (GRO)	<100	<100	<100	<100	100
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Surrogates

a,a,a-Trifluorotoluene	99%	93%	91%	99%	<u>%REC Limits</u> 80-120
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 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: Gasoline Range Organics by GC/FID

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19
Units: ug/L

Date Sampled:	10/30/19	10/30/19	10/30/19	10/30/19	
Date Prepared:	11/05/19	11/05/19	11/05/19	11/05/19	
Date Analyzed:	11/05/19	11/05/19	11/05/19	11/05/19	
AA ID No:	9J31003-07	9J31003-08	9J31003-09	9J31003-10	
Client ID No:	GMW-57	TF-21	GMW-48	GMW-59	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

Gasoline Range Organics 8015M (EPA 8015M)

Gasoline Range Organics (GRO)	<100	110	<100	<100	100
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Surrogates

a,a,a-Trifluorotoluene	89%	99%	94%	98%	<u>%REC Limits</u> 80-120
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 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: Gasoline Range Organics by GC/FID

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19
Units: ug/L

Date Sampled:	10/30/19	10/30/19	10/31/19	10/29/19	
Date Prepared:	11/05/19	11/05/19	11/05/19	11/05/19	
Date Analyzed:	11/05/19	11/05/19	11/05/19	11/05/19	
AA ID No:	9J31003-11	9J31003-12	9J31003-13	9J31003-16	
Client ID No:	MW-16	GMW-12	DUP-3	MW-13	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

Gasoline Range Organics 8015M (EPA 8015M)

Gasoline Range Organics (GRO)	<100	<100	<100	<100	100
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Surrogates

a,a,a-Trifluorotoluene	92%	94%	97%	94%	<u>%REC Limits</u> 80-120
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Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: Gasoline Range Organics by GC/FID

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19
Units: ug/L

Date Sampled:	10/29/19	10/31/19	10/31/19	10/31/19	
Date Prepared:	11/05/19	11/05/19	11/05/19	11/06/19	
Date Analyzed:	11/05/19	11/05/19	11/05/19	11/06/19	
AA ID No:	9J31003-17	9J31003-20	9J31003-21	9J31003-22	
Client ID No:	GMW-66R	EXP-3	MW-29	GMW-43	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

Gasoline Range Organics 8015M (EPA 8015M)

Gasoline Range Organics (GRO)	<100	<100	<100	<100	100
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Surrogates

a,a,a-Trifluorotoluene	92%	101%	101%	99%	%REC Limits 80-120
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Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)				AA Project No:	A5333188
Project No:	04-NDLA-013				Date Received:	10/31/19
Project Name:	DFSP Norwalk GW Sampling				Date Reported:	11/21/19
Method:	Gasoline Range Organics by GC/FID				Units:	ug/L
Date Sampled:	10/31/19	10/31/19	10/31/19	10/31/19		
Date Prepared:	11/06/19	11/06/19	11/06/19	11/06/19		
Date Analyzed:	11/06/19	11/06/19	11/06/19	11/06/19		
AA ID No:	9J31003-23	9J31003-24	9J31003-25	9J31003-26		
Client ID No:	GMW-41	TF-9R	GMW-17R	DUP-4		
Matrix:	Water	Water	Water	Water		
Dilution Factor:	1	1	1	1		MRL
<u>Gasoline Range Organics 8015M (EPA 8015M)</u>						
Gasoline Range Organics (GRO)	<100	<100	<100	<100		100
<u>Surrogates</u>						
a,a,a-Trifluorotoluene	92%	99%	110%	107%		<u>%REC Limits</u> 80-120

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: Gasoline Range Organics by GC/FID

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19
Units: ug/L

Date Sampled:	10/31/19	
Date Prepared:	11/06/19	
Date Analyzed:	11/06/19	
AA ID No:	9J31003-27	
Client ID No:	PZ-3	
Matrix:	Water	
Dilution Factor:	1	MRL

Gasoline Range Organics 8015M (EPA 8015M)

Gasoline Range Organics (GRO)	210	100
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Surrogates

		<u>%REC Limits</u>
a,a,a-Trifluorotoluene	112%	80-120

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K0413 - EPA 5030B</i>										
Blank (B9K0413-BLK1)										
Prepared & Analyzed: 11/04/19										
Acetone	<10	10	ug/L							
tert-Amyl-Methyl Ether (TAME)	<2.0	2.0	ug/L							
Benzene	<0.50	0.50	ug/L							
Bromobenzene	<0.50	0.50	ug/L							
Bromochloromethane	<0.50	0.50	ug/L							
Bromodichloromethane	<0.50	0.50	ug/L							
Bromoform	<0.50	0.50	ug/L							
Bromomethane	<0.50	0.50	ug/L							
2-Butanone (MEK)	<10	10	ug/L							
tert-Butyl Alcohol (TBA)	<10	10	ug/L							
sec-Butylbenzene	<0.50	0.50	ug/L							
tert-Butylbenzene	<0.50	0.50	ug/L							
n-Butylbenzene	<0.50	0.50	ug/L							
Carbon Disulfide	<0.50	0.50	ug/L							
Carbon Tetrachloride	<0.50	0.50	ug/L							
Chlorobenzene	<0.50	0.50	ug/L							
Chloroethane	<0.50	0.50	ug/L							
Chloroform	<0.50	0.50	ug/L							
Chloromethane	<0.50	0.50	ug/L							
2-Chlorotoluene	<0.50	0.50	ug/L							
4-Chlorotoluene	<0.50	0.50	ug/L							
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L							
Dibromochloromethane	<0.50	0.50	ug/L							
1,2-Dibromoethane (EDB)	<0.50	0.50	ug/L							
Dibromomethane	<0.50	0.50	ug/L							
1,3-Dichlorobenzene	<0.50	0.50	ug/L							
1,2-Dichlorobenzene	<0.50	0.50	ug/L							
1,4-Dichlorobenzene	<0.50	0.50	ug/L							
Dichlorodifluoromethane (R12)	<0.50	0.50	ug/L							
1,1-Dichloroethane	<0.50	0.50	ug/L							
1,2-Dichloroethane (EDC)	<0.50	0.50	ug/L							
1,1-Dichloroethylene	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K0413 - EPA 5030B</i>										
Blank (B9K0413-BLK1) Continued										
Prepared & Analyzed: 11/04/19										
trans-1,2-Dichloroethylene	<0.50	0.50	ug/L							
cis-1,2-Dichloroethylene	<0.50	0.50	ug/L							
1,2-Dichloropropane	<0.50	0.50	ug/L							
2,2-Dichloropropane	<0.50	0.50	ug/L							
1,3-Dichloropropane	<0.50	0.50	ug/L							
cis-1,3-Dichloropropylene	<0.50	0.50	ug/L							
trans-1,3-Dichloropropylene	<0.50	0.50	ug/L							
1,1-Dichloropropylene	<0.50	0.50	ug/L							
Diisopropyl ether (DIPE)	<2.0	2.0	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Ethyl-tert-Butyl Ether (ETBE)	<2.0	2.0	ug/L							
Gasoline Range Organics (GRO)	<100	100	ug/L							
Hexachlorobutadiene	<1.0	1.0	ug/L							
2-Hexanone (MBK)	<10	10	ug/L							
Isopropylbenzene	<0.50	0.50	ug/L							
4-Isopropyltoluene	<1.0	1.0	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<1.2	1.2	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
4-Methyl-2-pentanone (MIBK)	<10	10	ug/L							
Naphthalene	<2.0	2.0	ug/L							
n-Propylbenzene	<0.50	0.50	ug/L							
Styrene	<0.50	0.50	ug/L							
1,1,1,2-Tetrachloroethane	<0.50	0.50	ug/L							
1,1,2,2-Tetrachloroethane	<0.50	0.50	ug/L							
Tetrachloroethylene (PCE)	<0.50	0.50	ug/L							
Toluene	<0.50	0.50	ug/L							
1,2,3-Trichlorobenzene	<0.50	0.50	ug/L							
1,2,4-Trichlorobenzene	<0.50	0.50	ug/L							
1,1,1-Trichloroethane	<0.50	0.50	ug/L							
1,1,2-Trichloroethane	<0.50	0.50	ug/L							
Trichloroethylene (TCE)	<0.50	0.50	ug/L							
Trichlorofluoromethane (R11)	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K0413 - EPA 5030B</i>										
Blank (B9K0413-BLK1) Continued										
Prepared & Analyzed: 11/04/19										
1,2,3-Trichloropropane	<0.50	0.50	ug/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	0.50	ug/L							
1,3,5-Trimethylbenzene	<0.50	0.50	ug/L							
1,2,4-Trimethylbenzene	<0.50	0.50	ug/L							
Vinyl chloride	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>46.0</i>		<i>ug/L</i>	<i>50</i>		<i>92.0</i>	<i>80-129</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>45.8</i>		<i>ug/L</i>	<i>50</i>		<i>91.7</i>	<i>68-137</i>			
<i>Surrogate: Toluene-d8</i>	<i>45.0</i>		<i>ug/L</i>	<i>50</i>		<i>89.9</i>	<i>83-134</i>			
LCS (B9K0413-BS1)										
Prepared & Analyzed: 11/04/19										
Acetone	18.4	10	ug/L	20		92.2	27-123			
tert-Amyl-Methyl Ether (TAME)	19.0	2.0	ug/L	20		94.8	58-133			
Benzene	18.7	0.50	ug/L	20		93.6	60-134			
Bromobenzene	22.1	0.50	ug/L	20		111	70-130			
Bromochloromethane	20.6	0.50	ug/L	20		103	78-121			
Bromodichloromethane	18.9	0.50	ug/L	20		94.5	74-135			
Bromoform	22.6	0.50	ug/L	20		113	68-132			
Bromomethane	19.9	0.50	ug/L	20		99.4	58-142			
2-Butanone (MEK)	18.8	10	ug/L	20		93.9	62-138			
tert-Butyl Alcohol (TBA)	89.5	10	ug/L	100		89.5	65-148			
sec-Butylbenzene	20.3	0.50	ug/L	20		101	84-142			
tert-Butylbenzene	21.6	0.50	ug/L	20		108	70-130			
n-Butylbenzene	20.1	0.50	ug/L	20		100	70-130			
Carbon Disulfide	15.5	0.50	ug/L	20		77.4	17-177			
Carbon Tetrachloride	19.8	0.50	ug/L	20		98.8	66-155			
Chlorobenzene	22.0	0.50	ug/L	20		110	70-130			
Chloroethane	20.3	0.50	ug/L	20		101	45-166			
Chloroform	17.1	0.50	ug/L	20		85.7	71-131			
Chloromethane	15.9	0.50	ug/L	20		79.6	48-152			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K0413 - EPA 5030B</i>										
LCS (B9K0413-BS1) Continued										
Prepared & Analyzed: 11/04/19										
2-Chlorotoluene	20.2	0.50	ug/L	20		101	70-130			
4-Chlorotoluene	20.5	0.50	ug/L	20		103	70-130			
1,2-Dibromo-3-chloropropane	20.3	1.0	ug/L	20		102	53-145			
Dibromochloromethane	23.5	0.50	ug/L	20		118	72-133			
1,2-Dibromoethane (EDB)	22.8	0.50	ug/L	20		114	79-120			
Dibromomethane	19.4	0.50	ug/L	20		97.0	68-124			
1,3-Dichlorobenzene	21.4	0.50	ug/L	20		107	70-130			
1,2-Dichlorobenzene	22.4	0.50	ug/L	20		112	70-130			
1,4-Dichlorobenzene	21.6	0.50	ug/L	20		108	70-130			
Dichlorodifluoromethane (R12)	12.6	0.50	ug/L	20		62.9	16-148			
1,1-Dichloroethane	16.9	0.50	ug/L	20		84.5	67-120			
1,2-Dichloroethane (EDC)	15.7	0.50	ug/L	20		78.5	57-156			
1,1-Dichloroethylene	17.4	0.50	ug/L	20		87.2	50-149			
trans-1,2-Dichloroethylene	18.5	0.50	ug/L	20		92.7	66-126			
cis-1,2-Dichloroethylene	19.1	0.50	ug/L	20		95.7	70-124			
1,2-Dichloropropane	18.5	0.50	ug/L	20		92.4	53-139			
2,2-Dichloropropane	17.4	0.50	ug/L	20		87.0	44-162			
1,3-Dichloropropane	20.8	0.50	ug/L	20		104	79-113			
cis-1,3-Dichloropropylene	19.4	0.50	ug/L	20		97.2	67-127			
trans-1,3-Dichloropropylene	21.5	0.50	ug/L	20		107	76-121			
1,1-Dichloropropylene	18.7	0.50	ug/L	20		93.6	84-124			
Diisopropyl ether (DIPE)	17.5	2.0	ug/L	20		87.4	51-136			
Ethylbenzene	21.8	0.50	ug/L	20		109	86-124			
Ethyl-tert-Butyl Ether (ETBE)	17.7	2.0	ug/L	20		88.6	62-136			
Gasoline Range Organics (GRO)	543	100	ug/L	500		109	60-123			
Hexachlorobutadiene	22.8	1.0	ug/L	20		114	76-140			
2-Hexanone (MBK)	19.3	10	ug/L	20		96.6	52-123			
Isopropylbenzene	21.4	0.50	ug/L	20		107	70-130			
4-Isopropyltoluene	21.9	1.0	ug/L	20		109	70-130			
Methyl-tert-Butyl Ether (MTBE)	37.5	1.2	ug/L	40		93.8	58-144			
Methylene Chloride	16.1	5.0	ug/L	20		80.5	50-135			
4-Methyl-2-pentanone (MIBK)	20.5	10	ug/L	20		102	49-139			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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VOCs, OXY & TPH Gasoline by GC/MS - Quality Control

Batch B9K0413 - EPA 5030B

LCS (B9K0413-BS1) Continued

Prepared & Analyzed: 11/04/19

Naphthalene	24.6	2.0	ug/L	20		123	74-128			
n-Propylbenzene	20.0	0.50	ug/L	20		100	70-130			
Styrene	22.6	0.50	ug/L	20		113	84-123			
1,1,1,2-Tetrachloroethane	23.0	0.50	ug/L	20		115	70-130			
1,1,2,2-Tetrachloroethane	20.7	0.50	ug/L	20		103	58-126			
Tetrachloroethylene (PCE)	22.4	0.50	ug/L	20		112	70-130			
Toluene	21.0	0.50	ug/L	20		105	83-118			
1,2,3-Trichlorobenzene	22.1	0.50	ug/L	20		111	77-134			
1,2,4-Trichlorobenzene	22.5	0.50	ug/L	20		113	84-128			
1,1,1-Trichloroethane	18.9	0.50	ug/L	20		94.5	66-158			
1,1,2-Trichloroethane	21.7	0.50	ug/L	20		109	75-115			
Trichloroethylene (TCE)	19.2	0.50	ug/L	20		95.8	82-128			
Trichlorofluoromethane (R11)	15.4	0.50	ug/L	20		77.2	65-137			
1,2,3-Trichloropropane	20.6	0.50	ug/L	20		103	68-123			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	15.4	0.50	ug/L	20		76.8	62-130			
1,3,5-Trimethylbenzene	21.0	0.50	ug/L	20		105	70-130			
1,2,4-Trimethylbenzene	21.4	0.50	ug/L	20		107	70-130			
Vinyl chloride	16.9	0.50	ug/L	20		84.5	51-151			
o-Xylene	21.4	0.50	ug/L	20		107	70-130			
m,p-Xylenes	44.0	1.0	ug/L	40		110	70-130			
Surrogate: 4-Bromofluorobenzene	44.0		ug/L	50		88.1	80-129			
Surrogate: Dibromofluoromethane	41.6		ug/L	50		83.2	68-137			
Surrogate: Toluene-d8	44.7		ug/L	50		89.5	83-134			

LCS Dup (B9K0413-BSD1)

Prepared: 11/04/19 Analyzed: 11/05/19

Acetone	18.7	10	ug/L	20		93.3	27-123	1.24	30	
tert-Amyl-Methyl Ether (TAME)	18.9	2.0	ug/L	20		94.5	58-133	0.317	30	
Benzene	19.5	0.50	ug/L	20		97.6	60-134	4.24	30	
Bromobenzene	21.6	0.50	ug/L	20		108	70-130	2.38	30	
Bromochloromethane	20.8	0.50	ug/L	20		104	78-121	0.532	30	
Bromodichloromethane	19.8	0.50	ug/L	20		98.8	74-135	4.45	30	

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K0413 - EPA 5030B</i>										
LCS Dup (B9K0413-BSD1) Continued										
Prepared: 11/04/19 Analyzed: 11/05/19										
Bromoform	20.4	0.50	ug/L	20		102	68-132	9.77	30	
Bromomethane	20.1	0.50	ug/L	20		100	58-142	1.10	30	
2-Butanone (MEK)	18.9	10	ug/L	20		94.3	62-138	0.425	30	
tert-Butyl Alcohol (TBA)	86.1	10	ug/L	100		86.1	65-148	3.85	30	
sec-Butylbenzene	20.7	0.50	ug/L	20		104	84-142	2.00	30	
tert-Butylbenzene	21.7	0.50	ug/L	20		109	70-130	0.323	30	
n-Butylbenzene	20.4	0.50	ug/L	20		102	70-130	1.43	30	
Carbon Disulfide	17.4	0.50	ug/L	20		86.9	17-177	11.6	30	
Carbon Tetrachloride	19.7	0.50	ug/L	20		98.7	66-155	0.0506	30	
Chlorobenzene	21.7	0.50	ug/L	20		108	70-130	1.46	30	
Chloroethane	21.0	0.50	ug/L	20		105	45-166	3.35	30	
Chloroform	18.5	0.50	ug/L	20		92.4	71-131	7.58	30	
Chloromethane	17.6	0.50	ug/L	20		88.0	48-152	10.1	30	
2-Chlorotoluene	20.5	0.50	ug/L	20		103	70-130	1.92	30	
4-Chlorotoluene	20.9	0.50	ug/L	20		104	70-130	1.79	30	
1,2-Dibromo-3-chloropropane	18.3	1.0	ug/L	20		91.4	53-145	10.6	30	
Dibromochloromethane	22.2	0.50	ug/L	20		111	72-133	5.73	30	
1,2-Dibromoethane (EDB)	21.8	0.50	ug/L	20		109	79-120	4.66	30	
Dibromomethane	19.7	0.50	ug/L	20		98.6	68-124	1.59	30	
1,3-Dichlorobenzene	21.3	0.50	ug/L	20		107	70-130	0.561	30	
1,2-Dichlorobenzene	21.7	0.50	ug/L	20		108	70-130	3.09	30	
1,4-Dichlorobenzene	21.1	0.50	ug/L	20		106	70-130	2.02	30	
Dichlorodifluoromethane (R12)	14.0	0.50	ug/L	20		70.0	16-148	10.7	30	
1,1-Dichloroethane	17.4	0.50	ug/L	20		86.8	67-120	2.74	30	
1,2-Dichloroethane (EDC)	16.9	0.50	ug/L	20		84.5	57-156	7.36	30	
1,1-Dichloroethylene	18.1	0.50	ug/L	20		90.3	50-149	3.49	30	
trans-1,2-Dichloroethylene	18.8	0.50	ug/L	20		94.2	66-126	1.61	30	
cis-1,2-Dichloroethylene	19.8	0.50	ug/L	20		98.8	70-124	3.14	30	
1,2-Dichloropropane	19.2	0.50	ug/L	20		96.2	53-139	4.14	30	
2,2-Dichloropropane	15.8	0.50	ug/L	20		79.0	44-162	9.64	30	
1,3-Dichloropropane	20.2	0.50	ug/L	20		101	79-113	3.07	30	
cis-1,3-Dichloropropylene	19.3	0.50	ug/L	20		96.6	67-127	0.568	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K0413 - EPA 5030B</i>										
LCS Dup (B9K0413-BSD1) Continued										
					Prepared: 11/04/19 Analyzed: 11/05/19					
trans-1,3-Dichloropropylene	20.2	0.50	ug/L	20		101	76-121	6.19	30	
1,1-Dichloropropylene	19.4	0.50	ug/L	20		97.0	84-124	3.57	30	
Diisopropyl ether (DIPE)	18.6	2.0	ug/L	20		93.0	51-136	6.32	30	
Ethylbenzene	21.9	0.50	ug/L	20		110	86-124	0.366	30	
Ethyl-tert-Butyl Ether (ETBE)	18.6	2.0	ug/L	20		92.8	62-136	4.63	30	
Gasoline Range Organics (GRO)	542	100	ug/L	500		108	60-123	0.252	30	
Hexachlorobutadiene	20.7	1.0	ug/L	20		104	76-140	9.65	30	
2-Hexanone (MBK)	18.4	10	ug/L	20		92.1	52-123	4.82	30	
Isopropylbenzene	21.9	0.50	ug/L	20		109	70-130	2.12	30	
4-Isopropyltoluene	22.0	1.0	ug/L	20		110	70-130	0.592	30	
Methyl-tert-Butyl Ether (MTBE)	37.5	1.2	ug/L	40		93.8	58-144	0.107	30	
Methylene Chloride	18.3	5.0	ug/L	20		91.4	50-135	12.7	30	
4-Methyl-2-pentanone (MIBK)	20.8	10	ug/L	20		104	49-139	1.21	30	
Naphthalene	22.1	2.0	ug/L	20		111	74-128	10.3	30	
n-Propylbenzene	20.5	0.50	ug/L	20		102	70-130	2.22	30	
Styrene	21.6	0.50	ug/L	20		108	84-123	4.93	30	
1,1,1,2-Tetrachloroethane	22.0	0.50	ug/L	20		110	70-130	4.50	30	
1,1,2,2-Tetrachloroethane	20.2	0.50	ug/L	20		101	58-126	2.10	30	
Tetrachloroethylene (PCE)	21.1	0.50	ug/L	20		106	70-130	5.84	30	
Toluene	20.7	0.50	ug/L	20		104	83-118	1.10	30	
1,2,3-Trichlorobenzene	20.6	0.50	ug/L	20		103	77-134	7.25	30	
1,2,4-Trichlorobenzene	21.0	0.50	ug/L	20		105	84-128	6.75	30	
1,1,1-Trichloroethane	19.6	0.50	ug/L	20		97.8	66-158	3.48	30	
1,1,2-Trichloroethane	20.9	0.50	ug/L	20		105	75-115	3.70	30	
Trichloroethylene (TCE)	19.9	0.50	ug/L	20		99.3	82-128	3.54	30	
Trichlorofluoromethane (R11)	16.3	0.50	ug/L	20		81.6	65-137	5.54	30	
1,2,3-Trichloropropane	19.4	0.50	ug/L	20		96.8	68-123	6.06	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	16.3	0.50	ug/L	20		81.3	62-130	5.63	30	
1,3,5-Trimethylbenzene	21.5	0.50	ug/L	20		108	70-130	2.45	30	
1,2,4-Trimethylbenzene	21.7	0.50	ug/L	20		109	70-130	1.58	30	
Vinyl chloride	19.1	0.50	ug/L	20		95.6	51-151	12.4	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K0413 - EPA 5030B</i>										
LCS Dup (B9K0413-BSD1) Continued					Prepared: 11/04/19 Analyzed: 11/05/19					
o-Xylene	21.4	0.50	ug/L	20	107	70-130	0.0466	30		
m,p-Xylenes	43.7	1.0	ug/L	40	109	70-130	0.775	30		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>44.2</i>		<i>ug/L</i>	<i>50</i>	<i>88.4</i>	<i>80-129</i>				
<i>Surrogate: Dibromofluoromethane</i>	<i>43.1</i>		<i>ug/L</i>	<i>50</i>	<i>86.2</i>	<i>68-137</i>				
<i>Surrogate: Toluene-d8</i>	<i>45.9</i>		<i>ug/L</i>	<i>50</i>	<i>91.8</i>	<i>83-134</i>				
Matrix Spike (B9K0413-MS1)					Source: 9J31003-03 Prepared & Analyzed: 11/04/19					
Acetone	27.3	10	ug/L	20	8.52	93.8	11-169			
tert-Amyl-Methyl Ether (TAME)	19.8	2.0	ug/L	20		98.8	66-133			
Benzene	20.4	0.50	ug/L	20		102	56-135			
Bromobenzene	20.8	0.50	ug/L	20		104	70-130			
Bromochloromethane	21.3	0.50	ug/L	20		106	74-125			
Bromodichloromethane	20.5	0.50	ug/L	20		102	68-144			
Bromoform	19.5	0.50	ug/L	20		97.7	68-151			
Bromomethane	18.4	0.50	ug/L	20		92.2	54-142			
2-Butanone (MEK)	19.9	10	ug/L	20		99.6	62-145			
tert-Butyl Alcohol (TBA)	98.3	10	ug/L	100		98.3	73-162			
sec-Butylbenzene	20.5	0.50	ug/L	20		102	84-145			
tert-Butylbenzene	21.2	0.50	ug/L	20		106	70-130			
n-Butylbenzene	20.5	0.50	ug/L	20		103	70-130			
Carbon Disulfide	16.9	0.50	ug/L	20		84.3	28-151			
Carbon Tetrachloride	20.2	0.50	ug/L	20		101	58-164			
Chlorobenzene	21.2	0.50	ug/L	20		106	70-130			
Chloroethane	22.4	0.50	ug/L	20		112	42-164			
Chloroform	18.8	0.50	ug/L	20		94.0	65-138			
Chloromethane	17.6	0.50	ug/L	20		87.8	50-152			
2-Chlorotoluene	20.3	0.50	ug/L	20		102	70-130			
4-Chlorotoluene	20.4	0.50	ug/L	20		102	70-130			
1,2-Dibromo-3-chloropropane	19.1	1.0	ug/L	20		95.3	53-161			
Dibromochloromethane	21.5	0.50	ug/L	20		108	70-130			
1,2-Dibromoethane (EDB)	21.5	0.50	ug/L	20		107	76-130			
Dibromomethane	21.2	0.50	ug/L	20		106	62-135			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K0413 - EPA 5030B</i>										
Matrix Spike (B9K0413-MS1) Continued Source: 9J31003-03 Prepared & Analyzed: 11/04/19										
1,3-Dichlorobenzene	20.8	0.50	ug/L	20		104	70-130			
1,2-Dichlorobenzene	21.3	0.50	ug/L	20		106	70-130			
1,4-Dichlorobenzene	20.6	0.50	ug/L	20		103	70-130			
Dichlorodifluoromethane (R12)	14.1	0.50	ug/L	20		70.5	17-153			
1,1-Dichloroethane	18.8	0.50	ug/L	20		93.8	55-131			
1,2-Dichloroethane (EDC)	17.7	0.50	ug/L	20		88.6	52-168			
1,1-Dichloroethylene	18.5	0.50	ug/L	20		92.4	51-140			
trans-1,2-Dichloroethylene	19.6	0.50	ug/L	20		98.0	59-127			
cis-1,2-Dichloroethylene	20.6	0.50	ug/L	20		103	70-130			
1,2-Dichloropropane	20.7	0.50	ug/L	20		103	52-142			
2,2-Dichloropropane	16.8	0.50	ug/L	20		83.8	36-168			
1,3-Dichloropropane	20.4	0.50	ug/L	20		102	80-121			
cis-1,3-Dichloropropylene	20.3	0.50	ug/L	20		101	66-130			
trans-1,3-Dichloropropylene	20.0	0.50	ug/L	20		100	78-130			
1,1-Dichloropropylene	20.3	0.50	ug/L	20		101	76-132			
Diisopropyl ether (DIPE)	20.2	2.0	ug/L	20		101	52-138			
Ethylbenzene	21.6	0.50	ug/L	20		108	86-128			
Ethyl-tert-Butyl Ether (ETBE)	19.5	2.0	ug/L	20		97.4	64-137			
Hexachlorobutadiene	19.8	1.0	ug/L	20		99.0	70-130			
2-Hexanone (MBK)	18.8	10	ug/L	20		94.2	52-141			
Isopropylbenzene	21.3	0.50	ug/L	20		106	70-130			
4-Isopropyltoluene	21.6	1.0	ug/L	20		108	83-149			
Methyl-tert-Butyl Ether (MTBE)	39.9	1.2	ug/L	40		99.7	56-150			
Methylene Chloride	18.9	5.0	ug/L	20		94.6	70-130			
4-Methyl-2-pentanone (MIBK)	21.5	10	ug/L	20		108	60-148			
Naphthalene	22.0	2.0	ug/L	20		110	70-130			
n-Propylbenzene	20.3	0.50	ug/L	20		102	70-130			
Styrene	21.3	0.50	ug/L	20		107	65-141			
1,1,1,2-Tetrachloroethane	21.0	0.50	ug/L	20		105	70-130			
1,1,2,2-Tetrachloroethane	20.9	0.50	ug/L	20		104	62-134			
Tetrachloroethylene (PCE)	20.6	0.50	ug/L	20		103	70-130			
Toluene	20.5	0.50	ug/L	20		103	81-123			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K0413 - EPA 5030B</i>										
Matrix Spike (B9K0413-MS1) Continued Source: 9J31003-03 Prepared & Analyzed: 11/04/19										
1,2,3-Trichlorobenzene	20.0	0.50	ug/L	20		100	73-144			
1,2,4-Trichlorobenzene	20.3	0.50	ug/L	20		102	80-137			
1,1,1-Trichloroethane	19.8	0.50	ug/L	20		98.8	62-164			
1,1,2-Trichloroethane	21.0	0.50	ug/L	20		105	76-122			
Trichloroethylene (TCE)	20.6	0.50	ug/L	20		103	72-136			
Trichlorofluoromethane (R11)	17.2	0.50	ug/L	20		86.0	59-144			
1,2,3-Trichloropropane	19.6	0.50	ug/L	20		97.8	69-135			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	16.9	0.50	ug/L	20		84.4	62-126			
1,3,5-Trimethylbenzene	20.9	0.50	ug/L	20		104	70-130			
1,2,4-Trimethylbenzene	21.0	0.50	ug/L	20		105	89-134			
Vinyl chloride	18.4	0.50	ug/L	20		92.1	54-150			
o-Xylene	21.1	0.50	ug/L	20		106	70-130			
m,p-Xylenes	42.8	1.0	ug/L	40		107	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>44.9</i>		<i>ug/L</i>	<i>50</i>		<i>89.8</i>	<i>80-129</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>45.2</i>		<i>ug/L</i>	<i>50</i>		<i>90.4</i>	<i>68-137</i>			
<i>Surrogate: Toluene-d8</i>	<i>46.2</i>		<i>ug/L</i>	<i>50</i>		<i>92.4</i>	<i>83-134</i>			
Matrix Spike Dup (B9K0413-MSD1) Source: 9J31003-03 Prepared & Analyzed: 11/04/19										
Acetone	26.2	10	ug/L	20	8.52	88.4	11-169	4.08	30	
tert-Amyl-Methyl Ether (TAME)	19.0	2.0	ug/L	20		95.0	66-133	3.97	30	
Benzene	19.8	0.50	ug/L	20		99.2	56-135	2.98	30	
Bromobenzene	21.1	0.50	ug/L	20		106	70-130	1.81	30	
Bromochloromethane	20.2	0.50	ug/L	20		101	74-125	5.20	30	
Bromodichloromethane	19.5	0.50	ug/L	20		97.6	68-144	4.70	30	
Bromoform	20.0	0.50	ug/L	20		100	68-151	2.48	30	
Bromomethane	21.3	0.50	ug/L	20		106	54-142	14.3	30	
2-Butanone (MEK)	19.0	10	ug/L	20		95.1	62-145	4.67	30	
tert-Butyl Alcohol (TBA)	90.2	10	ug/L	100		90.2	73-162	8.65	30	
sec-Butylbenzene	20.5	0.50	ug/L	20		103	84-145	0.0976	30	
tert-Butylbenzene	21.4	0.50	ug/L	20		107	70-130	0.705	30	
n-Butylbenzene	20.6	0.50	ug/L	20		103	70-130	0.437	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K0413 - EPA 5030B</i>										
Matrix Spike Dup (B9K0413-MSD1) Source: 9J31003-03 Prepared & Analyzed: 11/04/19										
Continued										
Carbon Disulfide	16.1	0.50	ug/L	20		80.6	28-151	4.43	30	
Carbon Tetrachloride	19.9	0.50	ug/L	20		99.5	58-164	1.40	30	
Chlorobenzene	21.3	0.50	ug/L	20		107	70-130	0.564	30	
Chloroethane	21.4	0.50	ug/L	20		107	42-164	4.70	30	
Chloroform	18.7	0.50	ug/L	20		93.3	65-138	0.801	30	
Chloromethane	18.2	0.50	ug/L	20		90.8	50-152	3.36	30	
2-Chlorotoluene	20.5	0.50	ug/L	20		102	70-130	0.883	30	
4-Chlorotoluene	20.7	0.50	ug/L	20		104	70-130	1.90	30	
1,2-Dibromo-3-chloropropane	19.0	1.0	ug/L	20		95.1	53-161	0.210	30	
Dibromochloromethane	21.7	0.50	ug/L	20		108	70-130	0.740	30	
1,2-Dibromoethane (EDB)	21.7	0.50	ug/L	20		108	76-130	1.02	30	
Dibromomethane	20.2	0.50	ug/L	20		101	62-135	5.03	30	
1,3-Dichlorobenzene	20.9	0.50	ug/L	20		104	70-130	0.336	30	
1,2-Dichlorobenzene	21.2	0.50	ug/L	20		106	70-130	0.282	30	
1,4-Dichlorobenzene	20.9	0.50	ug/L	20		105	70-130	1.54	30	
Dichlorodifluoromethane (R12)	13.6	0.50	ug/L	20		68.2	17-153	3.32	30	
1,1-Dichloroethane	17.7	0.50	ug/L	20		88.4	55-131	5.92	30	
1,2-Dichloroethane (EDC)	17.0	0.50	ug/L	20		84.8	52-168	4.39	30	
1,1-Dichloroethylene	18.3	0.50	ug/L	20		91.3	51-140	1.14	30	
trans-1,2-Dichloroethylene	19.6	0.50	ug/L	20		97.9	59-127	0.102	30	
cis-1,2-Dichloroethylene	20.2	0.50	ug/L	20		101	70-130	1.86	30	
1,2-Dichloropropane	19.4	0.50	ug/L	20		96.8	52-142	6.54	30	
2,2-Dichloropropane	15.6	0.50	ug/L	20		77.8	36-168	7.43	30	
1,3-Dichloropropane	20.0	0.50	ug/L	20		99.8	80-121	2.33	30	
cis-1,3-Dichloropropylene	19.3	0.50	ug/L	20		96.7	66-130	4.65	30	
trans-1,3-Dichloropropylene	19.8	0.50	ug/L	20		99.0	78-130	1.20	30	
1,1-Dichloropropylene	19.7	0.50	ug/L	20		98.4	76-132	2.90	30	
Diisopropyl ether (DIPE)	19.2	2.0	ug/L	20		96.0	52-138	5.07	30	
Ethylbenzene	21.8	0.50	ug/L	20		109	86-128	0.691	30	
Ethyl-tert-Butyl Ether (ETBE)	18.8	2.0	ug/L	20		94.2	64-137	3.39	30	
Hexachlorobutadiene	19.7	1.0	ug/L	20		98.4	70-130	0.658	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K0413 - EPA 5030B</i>										
Matrix Spike Dup (B9K0413-MSD1) Source: 9J31003-03 Prepared & Analyzed: 11/04/19										
Continued										
2-Hexanone (MBK)	18.7	10	ug/L	20		93.4	52-141	0.746	30	
Isopropylbenzene	21.5	0.50	ug/L	20		108	70-130	1.08	30	
4-Isopropyltoluene	21.9	1.0	ug/L	20		109	83-149	1.24	30	
Methyl-tert-Butyl Ether (MTBE)	38.3	1.2	ug/L	40		95.7	56-150	4.09	30	
Methylene Chloride	18.0	5.0	ug/L	20		89.8	70-130	5.15	30	
4-Methyl-2-pentanone (MIBK)	21.0	10	ug/L	20		105	60-148	2.49	30	
Naphthalene	23.0	2.0	ug/L	20		115	70-130	4.62	30	
n-Propylbenzene	20.5	0.50	ug/L	20		102	70-130	0.834	30	
Styrene	22.0	0.50	ug/L	20		110	65-141	2.87	30	
1,1,1,2-Tetrachloroethane	21.2	0.50	ug/L	20		106	70-130	0.900	30	
1,1,2,2-Tetrachloroethane	20.9	0.50	ug/L	20		105	62-134	0.335	30	
Tetrachloroethylene (PCE)	20.8	0.50	ug/L	20		104	70-130	0.676	30	
Toluene	20.7	0.50	ug/L	20		104	81-123	1.02	30	
1,2,3-Trichlorobenzene	19.9	0.50	ug/L	20		99.6	73-144	0.401	30	
1,2,4-Trichlorobenzene	20.6	0.50	ug/L	20		103	80-137	1.32	30	
1,1,1-Trichloroethane	19.6	0.50	ug/L	20		97.8	62-164	1.02	30	
1,1,2-Trichloroethane	20.9	0.50	ug/L	20		105	76-122	0.429	30	
Trichloroethylene (TCE)	20.1	0.50	ug/L	20		101	72-136	2.31	30	
Trichlorofluoromethane (R11)	16.4	0.50	ug/L	20		82.0	59-144	4.88	30	
1,2,3-Trichloropropane	20.1	0.50	ug/L	20		100	69-135	2.67	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	16.6	0.50	ug/L	20		82.8	62-126	2.03	30	
1,3,5-Trimethylbenzene	21.2	0.50	ug/L	20		106	70-130	1.38	30	
1,2,4-Trimethylbenzene	21.4	0.50	ug/L	20		107	89-134	2.03	30	
Vinyl chloride	18.5	0.50	ug/L	20		92.3	54-150	0.217	30	
o-Xylene	21.2	0.50	ug/L	20		106	70-130	0.566	30	
m,p-Xylenes	43.4	1.0	ug/L	40		109	70-130	1.46	30	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>44.8</i>		<i>ug/L</i>	<i>50</i>		<i>89.5</i>	<i>80-129</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>43.6</i>		<i>ug/L</i>	<i>50</i>		<i>87.2</i>	<i>68-137</i>			
<i>Surrogate: Toluene-d8</i>	<i>46.0</i>		<i>ug/L</i>	<i>50</i>		<i>92.0</i>	<i>83-134</i>			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K0413 - EPA 5030B</i>										
Blank (B9K0413-BLK1)										
Prepared & Analyzed: 11/04/19										
Acetone	<10	10	ug/L							
tert-Amyl-Methyl Ether (TAME)	<2.0	2.0	ug/L							
Benzene	<0.50	0.50	ug/L							
Bromobenzene	<0.50	0.50	ug/L							
Bromochloromethane	<0.50	0.50	ug/L							
Bromodichloromethane	<0.50	0.50	ug/L							
Bromoform	<0.50	0.50	ug/L							
Bromomethane	<0.50	0.50	ug/L							
2-Butanone (MEK)	<10	10	ug/L							
tert-Butyl Alcohol (TBA)	<10	10	ug/L							
sec-Butylbenzene	<0.50	0.50	ug/L							
tert-Butylbenzene	<0.50	0.50	ug/L							
n-Butylbenzene	<0.50	0.50	ug/L							
Carbon Disulfide	<0.50	0.50	ug/L							
Carbon Tetrachloride	<0.50	0.50	ug/L							
Chlorobenzene	<0.50	0.50	ug/L							
Chloroethane	<0.50	0.50	ug/L							
Chloroform	<0.50	0.50	ug/L							
Chloromethane	<0.50	0.50	ug/L							
2-Chlorotoluene	<0.50	0.50	ug/L							
4-Chlorotoluene	<0.50	0.50	ug/L							
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L							
Dibromochloromethane	<0.50	0.50	ug/L							
1,2-Dibromoethane (EDB)	<0.50	0.50	ug/L							
Dibromomethane	<0.50	0.50	ug/L							
1,3-Dichlorobenzene	<0.50	0.50	ug/L							
1,2-Dichlorobenzene	<0.50	0.50	ug/L							
1,4-Dichlorobenzene	<0.50	0.50	ug/L							
Dichlorodifluoromethane (R12)	<0.50	0.50	ug/L							
1,1-Dichloroethane	<0.50	0.50	ug/L							
1,2-Dichloroethane (EDC)	<0.50	0.50	ug/L							
1,1-Dichloroethylene	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K0413 - EPA 5030B</i>										
Blank (B9K0413-BLK1) Continued										
Prepared & Analyzed: 11/04/19										
trans-1,2-Dichloroethylene	<0.50	0.50	ug/L							
cis-1,2-Dichloroethylene	<0.50	0.50	ug/L							
1,2-Dichloropropane	<0.50	0.50	ug/L							
2,2-Dichloropropane	<0.50	0.50	ug/L							
1,3-Dichloropropane	<0.50	0.50	ug/L							
cis-1,3-Dichloropropylene	<0.50	0.50	ug/L							
trans-1,3-Dichloropropylene	<0.50	0.50	ug/L							
1,1-Dichloropropylene	<0.50	0.50	ug/L							
Diisopropyl ether (DIPE)	<2.0	2.0	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Ethyl-tert-Butyl Ether (ETBE)	<2.0	2.0	ug/L							
Hexachlorobutadiene	<1.0	1.0	ug/L							
2-Hexanone (MBK)	<10	10	ug/L							
Isopropylbenzene	<0.50	0.50	ug/L							
4-Isopropyltoluene	<1.0	1.0	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<1.2	1.2	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
4-Methyl-2-pentanone (MIBK)	<10	10	ug/L							
Naphthalene	<2.0	2.0	ug/L							
n-Propylbenzene	<0.50	0.50	ug/L							
Styrene	<0.50	0.50	ug/L							
1,1,1,2-Tetrachloroethane	<0.50	0.50	ug/L							
1,1,2,2-Tetrachloroethane	<0.50	0.50	ug/L							
Tetrachloroethylene (PCE)	<0.50	0.50	ug/L							
Toluene	<0.50	0.50	ug/L							
1,2,3-Trichlorobenzene	<0.50	0.50	ug/L							
1,2,4-Trichlorobenzene	<0.50	0.50	ug/L							
1,1,1-Trichloroethane	<0.50	0.50	ug/L							
1,1,2-Trichloroethane	<0.50	0.50	ug/L							
Trichloroethylene (TCE)	<0.50	0.50	ug/L							
Trichlorofluoromethane (R11)	<0.50	0.50	ug/L							
1,2,3-Trichloropropane	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K0413 - EPA 5030B</i>										
Blank (B9K0413-BLK1) Continued										
Prepared & Analyzed: 11/04/19										
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	0.50	ug/L							
1,3,5-Trimethylbenzene	<0.50	0.50	ug/L							
1,2,4-Trimethylbenzene	<0.50	0.50	ug/L							
Vinyl chloride	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>46.0</i>		<i>ug/L</i>	<i>50</i>		<i>92.0</i>	<i>80-129</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>45.8</i>		<i>ug/L</i>	<i>50</i>		<i>91.7</i>	<i>68-137</i>			
<i>Surrogate: Toluene-d8</i>	<i>45.0</i>		<i>ug/L</i>	<i>50</i>		<i>89.9</i>	<i>83-134</i>			
LCS (B9K0413-BS1)										
Prepared & Analyzed: 11/04/19										
Acetone	18.4	10	ug/L	20		92.2	27-123			
tert-Amyl-Methyl Ether (TAME)	19.0	2.0	ug/L	20		94.8	58-133			
Benzene	18.7	0.50	ug/L	20		93.6	60-134			
Bromobenzene	22.1	0.50	ug/L	20		111	70-130			
Bromochloromethane	20.6	0.50	ug/L	20		103	78-121			
Bromodichloromethane	18.9	0.50	ug/L	20		94.5	74-135			
Bromoform	22.6	0.50	ug/L	20		113	68-132			
Bromomethane	19.9	0.50	ug/L	20		99.4	58-142			
2-Butanone (MEK)	18.8	10	ug/L	20		93.9	62-138			
tert-Butyl Alcohol (TBA)	89.5	10	ug/L	100		89.5	65-148			
sec-Butylbenzene	20.3	0.50	ug/L	20		101	84-142			
tert-Butylbenzene	21.6	0.50	ug/L	20		108	70-130			
n-Butylbenzene	20.1	0.50	ug/L	20		100	70-130			
Carbon Disulfide	15.5	0.50	ug/L	20		77.4	17-177			
Carbon Tetrachloride	19.8	0.50	ug/L	20		98.8	66-155			
Chlorobenzene	22.0	0.50	ug/L	20		110	70-130			
Chloroethane	20.3	0.50	ug/L	20		101	45-166			
Chloroform	17.1	0.50	ug/L	20		85.7	71-131			
Chloromethane	15.9	0.50	ug/L	20		79.6	48-152			
2-Chlorotoluene	20.2	0.50	ug/L	20		101	70-130			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K0413 - EPA 5030B</i>										
LCS (B9K0413-BS1) Continued										
Prepared & Analyzed: 11/04/19										
4-Chlorotoluene	20.5	0.50	ug/L	20		103	70-130			
1,2-Dibromo-3-chloropropane	20.3	1.0	ug/L	20		102	53-145			
Dibromochloromethane	23.5	0.50	ug/L	20		118	72-133			
1,2-Dibromoethane (EDB)	22.8	0.50	ug/L	20		114	79-120			
Dibromomethane	19.4	0.50	ug/L	20		97.0	68-124			
1,3-Dichlorobenzene	21.4	0.50	ug/L	20		107	70-130			
1,2-Dichlorobenzene	22.4	0.50	ug/L	20		112	70-130			
1,4-Dichlorobenzene	21.6	0.50	ug/L	20		108	70-130			
Dichlorodifluoromethane (R12)	12.6	0.50	ug/L	20		62.9	16-148			
1,1-Dichloroethane	16.9	0.50	ug/L	20		84.5	67-120			
1,2-Dichloroethane (EDC)	15.7	0.50	ug/L	20		78.5	57-156			
1,1-Dichloroethylene	17.4	0.50	ug/L	20		87.2	50-149			
trans-1,2-Dichloroethylene	18.5	0.50	ug/L	20		92.7	66-126			
cis-1,2-Dichloroethylene	19.1	0.50	ug/L	20		95.7	70-124			
1,2-Dichloropropane	18.5	0.50	ug/L	20		92.4	53-139			
2,2-Dichloropropane	17.4	0.50	ug/L	20		87.0	44-162			
1,3-Dichloropropane	20.8	0.50	ug/L	20		104	79-113			
cis-1,3-Dichloropropylene	19.4	0.50	ug/L	20		97.2	67-127			
trans-1,3-Dichloropropylene	21.5	0.50	ug/L	20		107	76-121			
1,1-Dichloropropylene	18.7	0.50	ug/L	20		93.6	84-124			
Diisopropyl ether (DIPE)	17.5	2.0	ug/L	20		87.4	51-136			
Ethylbenzene	21.8	0.50	ug/L	20		109	86-124			
Ethyl-tert-Butyl Ether (ETBE)	17.7	2.0	ug/L	20		88.6	62-136			
Hexachlorobutadiene	22.8	1.0	ug/L	20		114	76-140			
2-Hexanone (MBK)	19.3	10	ug/L	20		96.6	52-123			
Isopropylbenzene	21.4	0.50	ug/L	20		107	70-130			
4-Isopropyltoluene	21.9	1.0	ug/L	20		109	70-130			
Methyl-tert-Butyl Ether (MTBE)	37.5	1.2	ug/L	40		93.8	58-144			
Methylene Chloride	16.1	5.0	ug/L	20		80.5	50-135			
4-Methyl-2-pentanone (MIBK)	20.5	10	ug/L	20		102	49-139			
Naphthalene	24.6	2.0	ug/L	20		123	74-128			
n-Propylbenzene	20.0	0.50	ug/L	20		100	70-130			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K0413 - EPA 5030B</i>										
LCS (B9K0413-BS1) Continued										
Prepared & Analyzed: 11/04/19										
Styrene	22.6	0.50	ug/L	20		113	84-123			
1,1,1,2-Tetrachloroethane	23.0	0.50	ug/L	20		115	70-130			
1,1,2,2-Tetrachloroethane	20.7	0.50	ug/L	20		103	58-126			
Tetrachloroethylene (PCE)	22.4	0.50	ug/L	20		112	70-130			
Toluene	21.0	0.50	ug/L	20		105	83-118			
1,2,3-Trichlorobenzene	22.1	0.50	ug/L	20		111	77-134			
1,2,4-Trichlorobenzene	22.5	0.50	ug/L	20		113	84-128			
1,1,1-Trichloroethane	18.9	0.50	ug/L	20		94.5	66-158			
1,1,2-Trichloroethane	21.7	0.50	ug/L	20		109	75-115			
Trichloroethylene (TCE)	19.2	0.50	ug/L	20		95.8	82-128			
Trichlorofluoromethane (R11)	15.4	0.50	ug/L	20		77.2	65-137			
1,2,3-Trichloropropane	20.6	0.50	ug/L	20		103	68-123			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	15.4	0.50	ug/L	20		76.8	62-130			
1,3,5-Trimethylbenzene	21.0	0.50	ug/L	20		105	70-130			
1,2,4-Trimethylbenzene	21.4	0.50	ug/L	20		107	70-130			
Vinyl chloride	16.9	0.50	ug/L	20		84.5	51-151			
o-Xylene	21.4	0.50	ug/L	20		107	70-130			
m,p-Xylenes	44.0	1.0	ug/L	40		110	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	44.0		ug/L	50		88.1	80-129			
<i>Surrogate: Dibromofluoromethane</i>	41.6		ug/L	50		83.2	68-137			
<i>Surrogate: Toluene-d8</i>	44.7		ug/L	50		89.5	83-134			
LCS Dup (B9K0413-BSD1)										
Prepared: 11/04/19 Analyzed: 11/05/19										
Acetone	18.7	10	ug/L	20		93.3	27-123	1.24	30	
tert-Amyl-Methyl Ether (TAME)	18.9	2.0	ug/L	20		94.5	58-133	0.317	30	
Benzene	19.5	0.50	ug/L	20		97.6	60-134	4.24	30	
Bromobenzene	21.6	0.50	ug/L	20		108	70-130	2.38	30	
Bromochloromethane	20.8	0.50	ug/L	20		104	78-121	0.532	30	
Bromodichloromethane	19.8	0.50	ug/L	20		98.8	74-135	4.45	30	
Bromoform	20.4	0.50	ug/L	20		102	68-132	9.77	30	
Bromomethane	20.1	0.50	ug/L	20		100	58-142	1.10	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K0413 - EPA 5030B</i>										
LCS Dup (B9K0413-BSD1) Continued										
Prepared: 11/04/19 Analyzed: 11/05/19										
2-Butanone (MEK)	18.9	10	ug/L	20		94.3	62-138	0.425	30	
tert-Butyl Alcohol (TBA)	86.1	10	ug/L	100		86.1	65-148	3.85	30	
sec-Butylbenzene	20.7	0.50	ug/L	20		104	84-142	2.00	30	
tert-Butylbenzene	21.7	0.50	ug/L	20		109	70-130	0.323	30	
n-Butylbenzene	20.4	0.50	ug/L	20		102	70-130	1.43	30	
Carbon Disulfide	17.4	0.50	ug/L	20		86.9	17-177	11.6	30	
Carbon Tetrachloride	19.7	0.50	ug/L	20		98.7	66-155	0.0506	30	
Chlorobenzene	21.7	0.50	ug/L	20		108	70-130	1.46	30	
Chloroethane	21.0	0.50	ug/L	20		105	45-166	3.35	30	
Chloroform	18.5	0.50	ug/L	20		92.4	71-131	7.58	30	
Chloromethane	17.6	0.50	ug/L	20		88.0	48-152	10.1	30	
2-Chlorotoluene	20.5	0.50	ug/L	20		103	70-130	1.92	30	
4-Chlorotoluene	20.9	0.50	ug/L	20		104	70-130	1.79	30	
1,2-Dibromo-3-chloropropane	18.3	1.0	ug/L	20		91.4	53-145	10.6	30	
Dibromochloromethane	22.2	0.50	ug/L	20		111	72-133	5.73	30	
1,2-Dibromoethane (EDB)	21.8	0.50	ug/L	20		109	79-120	4.66	30	
Dibromomethane	19.7	0.50	ug/L	20		98.6	68-124	1.59	30	
1,3-Dichlorobenzene	21.3	0.50	ug/L	20		107	70-130	0.561	30	
1,2-Dichlorobenzene	21.7	0.50	ug/L	20		108	70-130	3.09	30	
1,4-Dichlorobenzene	21.1	0.50	ug/L	20		106	70-130	2.02	30	
Dichlorodifluoromethane (R12)	14.0	0.50	ug/L	20		70.0	16-148	10.7	30	
1,1-Dichloroethane	17.4	0.50	ug/L	20		86.8	67-120	2.74	30	
1,2-Dichloroethane (EDC)	16.9	0.50	ug/L	20		84.5	57-156	7.36	30	
1,1-Dichloroethylene	18.1	0.50	ug/L	20		90.3	50-149	3.49	30	
trans-1,2-Dichloroethylene	18.8	0.50	ug/L	20		94.2	66-126	1.61	30	
cis-1,2-Dichloroethylene	19.8	0.50	ug/L	20		98.8	70-124	3.14	30	
1,2-Dichloropropane	19.2	0.50	ug/L	20		96.2	53-139	4.14	30	
2,2-Dichloropropane	15.8	0.50	ug/L	20		79.0	44-162	9.64	30	
1,3-Dichloropropane	20.2	0.50	ug/L	20		101	79-113	3.07	30	
cis-1,3-Dichloropropylene	19.3	0.50	ug/L	20		96.6	67-127	0.568	30	
trans-1,3-Dichloropropylene	20.2	0.50	ug/L	20		101	76-121	6.19	30	
1,1-Dichloropropylene	19.4	0.50	ug/L	20		97.0	84-124	3.57	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K0413 - EPA 5030B</i>										
LCS Dup (B9K0413-BSD1) Continued										
					Prepared: 11/04/19 Analyzed: 11/05/19					
Diisopropyl ether (DIPE)	18.6	2.0	ug/L	20		93.0	51-136	6.32	30	
Ethylbenzene	21.9	0.50	ug/L	20		110	86-124	0.366	30	
Ethyl-tert-Butyl Ether (ETBE)	18.6	2.0	ug/L	20		92.8	62-136	4.63	30	
Hexachlorobutadiene	20.7	1.0	ug/L	20		104	76-140	9.65	30	
2-Hexanone (MBK)	18.4	10	ug/L	20		92.1	52-123	4.82	30	
Isopropylbenzene	21.9	0.50	ug/L	20		109	70-130	2.12	30	
4-Isopropyltoluene	22.0	1.0	ug/L	20		110	70-130	0.592	30	
Methyl-tert-Butyl Ether (MTBE)	37.5	1.2	ug/L	40		93.8	58-144	0.107	30	
Methylene Chloride	18.3	5.0	ug/L	20		91.4	50-135	12.7	30	
4-Methyl-2-pentanone (MIBK)	20.8	10	ug/L	20		104	49-139	1.21	30	
Naphthalene	22.1	2.0	ug/L	20		111	74-128	10.3	30	
n-Propylbenzene	20.5	0.50	ug/L	20		102	70-130	2.22	30	
Styrene	21.6	0.50	ug/L	20		108	84-123	4.93	30	
1,1,1,2-Tetrachloroethane	22.0	0.50	ug/L	20		110	70-130	4.50	30	
1,1,2,2-Tetrachloroethane	20.2	0.50	ug/L	20		101	58-126	2.10	30	
Tetrachloroethylene (PCE)	21.1	0.50	ug/L	20		106	70-130	5.84	30	
Toluene	20.7	0.50	ug/L	20		104	83-118	1.10	30	
1,2,3-Trichlorobenzene	20.6	0.50	ug/L	20		103	77-134	7.25	30	
1,2,4-Trichlorobenzene	21.0	0.50	ug/L	20		105	84-128	6.75	30	
1,1,1-Trichloroethane	19.6	0.50	ug/L	20		97.8	66-158	3.48	30	
1,1,2-Trichloroethane	20.9	0.50	ug/L	20		105	75-115	3.70	30	
Trichloroethylene (TCE)	19.9	0.50	ug/L	20		99.3	82-128	3.54	30	
Trichlorofluoromethane (R11)	16.3	0.50	ug/L	20		81.6	65-137	5.54	30	
1,2,3-Trichloropropane	19.4	0.50	ug/L	20		96.8	68-123	6.06	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	16.3	0.50	ug/L	20		81.3	62-130	5.63	30	
1,3,5-Trimethylbenzene	21.5	0.50	ug/L	20		108	70-130	2.45	30	
1,2,4-Trimethylbenzene	21.7	0.50	ug/L	20		109	70-130	1.58	30	
Vinyl chloride	19.1	0.50	ug/L	20		95.6	51-151	12.4	30	
o-Xylene	21.4	0.50	ug/L	20		107	70-130	0.0466	30	
m,p-Xylenes	43.7	1.0	ug/L	40		109	70-130	0.775	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K0413 - EPA 5030B</i>										
LCS Dup (B9K0413-BSD1) Continued										
Prepared: 11/04/19 Analyzed: 11/05/19										
Surrogate: 4-Bromofluorobenzene	44.2		ug/L	50		88.4	80-129			
Surrogate: Dibromofluoromethane	43.1		ug/L	50		86.2	68-137			
Surrogate: Toluene-d8	45.9		ug/L	50		91.8	83-134			
Matrix Spike (B9K0413-MS1)										
Source: 9J31003-03 Prepared & Analyzed: 11/04/19										
Acetone	27.3	10	ug/L	20	8.52	93.8	11-169			
tert-Amyl-Methyl Ether (TAME)	19.8	2.0	ug/L	20	<2.0	98.8	66-133			
Benzene	20.4	0.50	ug/L	20	<0.50	102	56-135			
Bromobenzene	20.8	0.50	ug/L	20	<0.50	104	70-130			
Bromochloromethane	21.3	0.50	ug/L	20	<0.50	106	74-125			
Bromodichloromethane	20.5	0.50	ug/L	20	<0.50	102	68-144			
Bromoform	19.5	0.50	ug/L	20	<0.50	97.7	68-151			
Bromomethane	18.4	0.50	ug/L	20	<0.50	92.2	54-142			
2-Butanone (MEK)	19.9	10	ug/L	20	<10	99.6	62-145			
tert-Butyl Alcohol (TBA)	98.3	10	ug/L	100	<10	98.3	73-162			
sec-Butylbenzene	20.5	0.50	ug/L	20	<0.50	102	84-145			
tert-Butylbenzene	21.2	0.50	ug/L	20	<0.50	106	70-130			
n-Butylbenzene	20.5	0.50	ug/L	20	<0.50	103	70-130			
Carbon Disulfide	16.9	0.50	ug/L	20	<0.50	84.3	28-151			
Carbon Tetrachloride	20.2	0.50	ug/L	20	<0.50	101	58-164			
Chlorobenzene	21.2	0.50	ug/L	20	<0.50	106	70-130			
Chloroethane	22.4	0.50	ug/L	20	<0.50	112	42-164			
Chloroform	18.8	0.50	ug/L	20	<0.50	94.0	65-138			
Chloromethane	17.6	0.50	ug/L	20	<0.50	87.8	50-152			
2-Chlorotoluene	20.3	0.50	ug/L	20	<0.50	102	70-130			
4-Chlorotoluene	20.4	0.50	ug/L	20	<0.50	102	70-130			
1,2-Dibromo-3-chloropropane	19.1	1.0	ug/L	20	<1.0	95.3	53-161			
Dibromochloromethane	21.5	0.50	ug/L	20	<0.50	108	70-130			
1,2-Dibromoethane (EDB)	21.5	0.50	ug/L	20	<0.50	107	76-130			
Dibromomethane	21.2	0.50	ug/L	20	<0.50	106	62-135			
1,3-Dichlorobenzene	20.8	0.50	ug/L	20	<0.50	104	70-130			
1,2-Dichlorobenzene	21.3	0.50	ug/L	20	<0.50	106	70-130			
1,4-Dichlorobenzene	20.6	0.50	ug/L	20	<0.50	103	70-130			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K0413 - EPA 5030B</i>										
Matrix Spike (B9K0413-MS1) Continued Source: 9J31003-03 Prepared & Analyzed: 11/04/19										
Dichlorodifluoromethane (R12)	14.1	0.50	ug/L	20	<0.50	70.5	17-153			
1,1-Dichloroethane	18.8	0.50	ug/L	20	<0.50	93.8	55-131			
1,2-Dichloroethane (EDC)	17.7	0.50	ug/L	20	<0.50	88.6	52-168			
1,1-Dichloroethylene	18.5	0.50	ug/L	20	<0.50	92.4	51-140			
trans-1,2-Dichloroethylene	19.6	0.50	ug/L	20	<0.50	98.0	59-127			
cis-1,2-Dichloroethylene	20.6	0.50	ug/L	20	<0.50	103	70-130			
1,2-Dichloropropane	20.7	0.50	ug/L	20	<0.50	103	52-142			
2,2-Dichloropropane	16.8	0.50	ug/L	20	<0.50	83.8	36-168			
1,3-Dichloropropane	20.4	0.50	ug/L	20	<0.50	102	80-121			
cis-1,3-Dichloropropylene	20.3	0.50	ug/L	20	<0.50	101	66-130			
trans-1,3-Dichloropropylene	20.0	0.50	ug/L	20	<0.50	100	78-130			
1,1-Dichloropropylene	20.3	0.50	ug/L	20	<0.50	101	76-132			
Diisopropyl ether (DIPE)	20.2	2.0	ug/L	20	<2.0	101	52-138			
Ethylbenzene	21.6	0.50	ug/L	20	<0.50	108	86-128			
Ethyl-tert-Butyl Ether (ETBE)	19.5	2.0	ug/L	20	<2.0	97.4	64-137			
Hexachlorobutadiene	19.8	1.0	ug/L	20	<1.0	99.0	70-130			
2-Hexanone (MBK)	18.8	10	ug/L	20	<10	94.2	52-141			
Isopropylbenzene	21.3	0.50	ug/L	20	<0.50	106	70-130			
4-Isopropyltoluene	21.6	1.0	ug/L	20	<1.0	108	83-149			
Methyl-tert-Butyl Ether (MTBE)	39.9	1.2	ug/L	40	<1.2	99.7	56-150			
Methylene Chloride	18.9	5.0	ug/L	20	<5.0	94.6	70-130			
4-Methyl-2-pentanone (MIBK)	21.5	10	ug/L	20	<10	108	60-148			
Naphthalene	22.0	2.0	ug/L	20	<2.0	110	70-130			
n-Propylbenzene	20.3	0.50	ug/L	20	<0.50	102	70-130			
Styrene	21.3	0.50	ug/L	20	<0.50	107	65-141			
1,1,1,2-Tetrachloroethane	21.0	0.50	ug/L	20	<0.50	105	70-130			
1,1,2,2-Tetrachloroethane	20.9	0.50	ug/L	20	<0.50	104	62-134			
Tetrachloroethylene (PCE)	20.6	0.50	ug/L	20	<0.50	103	70-130			
Toluene	20.5	0.50	ug/L	20	<0.50	103	81-123			
1,2,3-Trichlorobenzene	20.0	0.50	ug/L	20	<0.50	100	73-144			
1,2,4-Trichlorobenzene	20.3	0.50	ug/L	20	<0.50	102	80-137			
1,1,1-Trichloroethane	19.8	0.50	ug/L	20	<0.50	98.8	62-164			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K0413 - EPA 5030B</i>										
Matrix Spike (B9K0413-MS1) Continued Source: 9J31003-03 Prepared & Analyzed: 11/04/19										
1,1,2-Trichloroethane	21.0	0.50	ug/L	20	<0.50	105	76-122			
Trichloroethylene (TCE)	20.6	0.50	ug/L	20	<0.50	103	72-136			
Trichlorofluoromethane (R11)	17.2	0.50	ug/L	20	<0.50	86.0	59-144			
1,2,3-Trichloropropane	19.6	0.50	ug/L	20	<0.50	97.8	69-135			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	16.9	0.50	ug/L	20	<0.50	84.4	62-126			
1,3,5-Trimethylbenzene	20.9	0.50	ug/L	20	<0.50	104	70-130			
1,2,4-Trimethylbenzene	21.0	0.50	ug/L	20	<0.50	105	89-134			
Vinyl chloride	18.4	0.50	ug/L	20	<0.50	92.1	54-150			
o-Xylene	21.1	0.50	ug/L	20	<0.50	106	70-130			
m,p-Xylenes	42.8	1.0	ug/L	40	<1.0	107	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>44.9</i>		<i>ug/L</i>	<i>50</i>		<i>89.8</i>	<i>80-129</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>45.2</i>		<i>ug/L</i>	<i>50</i>		<i>90.4</i>	<i>68-137</i>			
<i>Surrogate: Toluene-d8</i>	<i>46.2</i>		<i>ug/L</i>	<i>50</i>		<i>92.4</i>	<i>83-134</i>			
Matrix Spike Dup (B9K0413-MSD1) Source: 9J31003-03 Prepared & Analyzed: 11/04/19										
Acetone	26.2	10	ug/L	20	8.52	88.4	11-169	4.08	30	
tert-Amyl-Methyl Ether (TAME)	19.0	2.0	ug/L	20	<2.0	95.0	66-133	3.97	30	
Benzene	19.8	0.50	ug/L	20	<0.50	99.2	56-135	2.98	30	
Bromobenzene	21.1	0.50	ug/L	20	<0.50	106	70-130	1.81	30	
Bromochloromethane	20.2	0.50	ug/L	20	<0.50	101	74-125	5.20	30	
Bromodichloromethane	19.5	0.50	ug/L	20	<0.50	97.6	68-144	4.70	30	
Bromoform	20.0	0.50	ug/L	20	<0.50	100	68-151	2.48	30	
Bromomethane	21.3	0.50	ug/L	20	<0.50	106	54-142	14.3	30	
2-Butanone (MEK)	19.0	10	ug/L	20	<10	95.1	62-145	4.67	30	
tert-Butyl Alcohol (TBA)	90.2	10	ug/L	100	<10	90.2	73-162	8.65	30	
sec-Butylbenzene	20.5	0.50	ug/L	20	<0.50	103	84-145	0.0976	30	
tert-Butylbenzene	21.4	0.50	ug/L	20	<0.50	107	70-130	0.705	30	
n-Butylbenzene	20.6	0.50	ug/L	20	<0.50	103	70-130	0.437	30	
Carbon Disulfide	16.1	0.50	ug/L	20	<0.50	80.6	28-151	4.43	30	
Carbon Tetrachloride	19.9	0.50	ug/L	20	<0.50	99.5	58-164	1.40	30	
Chlorobenzene	21.3	0.50	ug/L	20	<0.50	107	70-130	0.564	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K0413 - EPA 5030B</i>										
Matrix Spike Dup (B9K0413-MSD1) Source: 9J31003-03 Prepared & Analyzed: 11/04/19										
Continued										
Chloroethane	21.4	0.50	ug/L	20	<0.50	107	42-164	4.70	30	
Chloroform	18.7	0.50	ug/L	20	<0.50	93.3	65-138	0.801	30	
Chloromethane	18.2	0.50	ug/L	20	<0.50	90.8	50-152	3.36	30	
2-Chlorotoluene	20.5	0.50	ug/L	20	<0.50	102	70-130	0.883	30	
4-Chlorotoluene	20.7	0.50	ug/L	20	<0.50	104	70-130	1.90	30	
1,2-Dibromo-3-chloropropane	19.0	1.0	ug/L	20	<1.0	95.1	53-161	0.210	30	
Dibromochloromethane	21.7	0.50	ug/L	20	<0.50	108	70-130	0.740	30	
1,2-Dibromoethane (EDB)	21.7	0.50	ug/L	20	<0.50	108	76-130	1.02	30	
Dibromomethane	20.2	0.50	ug/L	20	<0.50	101	62-135	5.03	30	
1,3-Dichlorobenzene	20.9	0.50	ug/L	20	<0.50	104	70-130	0.336	30	
1,2-Dichlorobenzene	21.2	0.50	ug/L	20	<0.50	106	70-130	0.282	30	
1,4-Dichlorobenzene	20.9	0.50	ug/L	20	<0.50	105	70-130	1.54	30	
Dichlorodifluoromethane (R12)	13.6	0.50	ug/L	20	<0.50	68.2	17-153	3.32	30	
1,1-Dichloroethane	17.7	0.50	ug/L	20	<0.50	88.4	55-131	5.92	30	
1,2-Dichloroethane (EDC)	17.0	0.50	ug/L	20	<0.50	84.8	52-168	4.39	30	
1,1-Dichloroethylene	18.3	0.50	ug/L	20	<0.50	91.3	51-140	1.14	30	
trans-1,2-Dichloroethylene	19.6	0.50	ug/L	20	<0.50	97.9	59-127	0.102	30	
cis-1,2-Dichloroethylene	20.2	0.50	ug/L	20	<0.50	101	70-130	1.86	30	
1,2-Dichloropropane	19.4	0.50	ug/L	20	<0.50	96.8	52-142	6.54	30	
2,2-Dichloropropane	15.6	0.50	ug/L	20	<0.50	77.8	36-168	7.43	30	
1,3-Dichloropropane	20.0	0.50	ug/L	20	<0.50	99.8	80-121	2.33	30	
cis-1,3-Dichloropropylene	19.3	0.50	ug/L	20	<0.50	96.7	66-130	4.65	30	
trans-1,3-Dichloropropylene	19.8	0.50	ug/L	20	<0.50	99.0	78-130	1.20	30	
1,1-Dichloropropylene	19.7	0.50	ug/L	20	<0.50	98.4	76-132	2.90	30	
Diisopropyl ether (DIPE)	19.2	2.0	ug/L	20	<2.0	96.0	52-138	5.07	30	
Ethylbenzene	21.8	0.50	ug/L	20	<0.50	109	86-128	0.691	30	
Ethyl-tert-Butyl Ether (ETBE)	18.8	2.0	ug/L	20	<2.0	94.2	64-137	3.39	30	
Hexachlorobutadiene	19.7	1.0	ug/L	20	<1.0	98.4	70-130	0.658	30	
2-Hexanone (MBK)	18.7	10	ug/L	20	<10	93.4	52-141	0.746	30	
Isopropylbenzene	21.5	0.50	ug/L	20	<0.50	108	70-130	1.08	30	
4-Isopropyltoluene	21.9	1.0	ug/L	20	<1.0	109	83-149	1.24	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K0413 - EPA 5030B</i>										
Matrix Spike Dup (B9K0413-MSD1) Source: 9J31003-03 Prepared & Analyzed: 11/04/19										
Continued										
Methyl-tert-Butyl Ether (MTBE)	38.3	1.2	ug/L	40	<1.2	95.7	56-150	4.09	30	
Methylene Chloride	18.0	5.0	ug/L	20	<5.0	89.8	70-130	5.15	30	
4-Methyl-2-pentanone (MIBK)	21.0	10	ug/L	20	<10	105	60-148	2.49	30	
Naphthalene	23.0	2.0	ug/L	20	<2.0	115	70-130	4.62	30	
n-Propylbenzene	20.5	0.50	ug/L	20	<0.50	102	70-130	0.834	30	
Styrene	22.0	0.50	ug/L	20	<0.50	110	65-141	2.87	30	
1,1,1,2-Tetrachloroethane	21.2	0.50	ug/L	20	<0.50	106	70-130	0.900	30	
1,1,2,2-Tetrachloroethane	20.9	0.50	ug/L	20	<0.50	105	62-134	0.335	30	
Tetrachloroethylene (PCE)	20.8	0.50	ug/L	20	<0.50	104	70-130	0.676	30	
Toluene	20.7	0.50	ug/L	20	<0.50	104	81-123	1.02	30	
1,2,3-Trichlorobenzene	19.9	0.50	ug/L	20	<0.50	99.6	73-144	0.401	30	
1,2,4-Trichlorobenzene	20.6	0.50	ug/L	20	<0.50	103	80-137	1.32	30	
1,1,1-Trichloroethane	19.6	0.50	ug/L	20	<0.50	97.8	62-164	1.02	30	
1,1,2-Trichloroethane	20.9	0.50	ug/L	20	<0.50	105	76-122	0.429	30	
Trichloroethylene (TCE)	20.1	0.50	ug/L	20	<0.50	101	72-136	2.31	30	
Trichlorofluoromethane (R11)	16.4	0.50	ug/L	20	<0.50	82.0	59-144	4.88	30	
1,2,3-Trichloropropane	20.1	0.50	ug/L	20	<0.50	100	69-135	2.67	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	16.6	0.50	ug/L	20	<0.50	82.8	62-126	2.03	30	
1,3,5-Trimethylbenzene	21.2	0.50	ug/L	20	<0.50	106	70-130	1.38	30	
1,2,4-Trimethylbenzene	21.4	0.50	ug/L	20	<0.50	107	89-134	2.03	30	
Vinyl chloride	18.5	0.50	ug/L	20	<0.50	92.3	54-150	0.217	30	
o-Xylene	21.2	0.50	ug/L	20	<0.50	106	70-130	0.566	30	
m,p-Xylenes	43.4	1.0	ug/L	40	<1.0	109	70-130	1.46	30	
<i>Surrogate: 4-Bromofluorobenzene</i>	44.8		ug/L	50		89.5	80-129			
<i>Surrogate: Dibromofluoromethane</i>	43.6		ug/L	50		87.2	68-137			
<i>Surrogate: Toluene-d8</i>	46.0		ug/L	50		92.0	83-134			
<i>Batch B9K0704 - EPA 5030B</i>										
Blank (B9K0704-BLK1) Prepared & Analyzed: 11/07/19										
Acetone	<10	10	ug/L							

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K0704 - EPA 5030B</i>										
Blank (B9K0704-BLK1) Continued										
Prepared & Analyzed: 11/07/19										
tert-Amyl-Methyl Ether (TAME)	<2.0	2.0	ug/L							
Benzene	<0.50	0.50	ug/L							
Bromobenzene	<0.50	0.50	ug/L							
Bromochloromethane	<0.50	0.50	ug/L							
Bromodichloromethane	<0.50	0.50	ug/L							
Bromoform	<0.50	0.50	ug/L							
Bromomethane	<0.50	0.50	ug/L							
2-Butanone (MEK)	<10	10	ug/L							
tert-Butyl Alcohol (TBA)	<10	10	ug/L							
sec-Butylbenzene	<0.50	0.50	ug/L							
tert-Butylbenzene	<0.50	0.50	ug/L							
n-Butylbenzene	<0.50	0.50	ug/L							
Carbon Disulfide	<0.50	0.50	ug/L							
Carbon Tetrachloride	<0.50	0.50	ug/L							
Chlorobenzene	<0.50	0.50	ug/L							
Chloroethane	<0.50	0.50	ug/L							
Chloroform	<0.50	0.50	ug/L							
Chloromethane	<0.50	0.50	ug/L							
2-Chlorotoluene	<0.50	0.50	ug/L							
4-Chlorotoluene	<0.50	0.50	ug/L							
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L							
Dibromochloromethane	<0.50	0.50	ug/L							
1,2-Dibromoethane (EDB)	<0.50	0.50	ug/L							
Dibromomethane	<0.50	0.50	ug/L							
1,3-Dichlorobenzene	<0.50	0.50	ug/L							
1,2-Dichlorobenzene	<0.50	0.50	ug/L							
1,4-Dichlorobenzene	<0.50	0.50	ug/L							
Dichlorodifluoromethane (R12)	<0.50	0.50	ug/L							
1,1-Dichloroethane	<0.50	0.50	ug/L							
1,2-Dichloroethane (EDC)	<0.50	0.50	ug/L							
1,1-Dichloroethylene	<0.50	0.50	ug/L							
trans-1,2-Dichloroethylene	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control									
<i>Batch B9K0704 - EPA 5030B</i>									
Blank (B9K0704-BLK1) Continued					Prepared & Analyzed: 11/07/19				
cis-1,2-Dichloroethylene	<0.50	0.50	ug/L						
1,2-Dichloropropane	<0.50	0.50	ug/L						
2,2-Dichloropropane	<0.50	0.50	ug/L						
1,3-Dichloropropane	<0.50	0.50	ug/L						
cis-1,3-Dichloropropylene	<0.50	0.50	ug/L						
trans-1,3-Dichloropropylene	<0.50	0.50	ug/L						
1,1-Dichloropropylene	<0.50	0.50	ug/L						
Diisopropyl ether (DIPE)	<2.0	2.0	ug/L						
Ethylbenzene	<0.50	0.50	ug/L						
Ethyl-tert-Butyl Ether (ETBE)	<2.0	2.0	ug/L						
Hexachlorobutadiene	<1.0	1.0	ug/L						
2-Hexanone (MBK)	<10	10	ug/L						
Isopropylbenzene	<0.50	0.50	ug/L						
4-Isopropyltoluene	<1.0	1.0	ug/L						
Methyl-tert-Butyl Ether (MTBE)	<1.2	1.2	ug/L						
Methylene Chloride	<5.0	5.0	ug/L						
4-Methyl-2-pentanone (MIBK)	<10	10	ug/L						
Naphthalene	<2.0	2.0	ug/L						
n-Propylbenzene	<0.50	0.50	ug/L						
Styrene	<0.50	0.50	ug/L						
1,1,1,2-Tetrachloroethane	<0.50	0.50	ug/L						
1,1,2,2-Tetrachloroethane	<0.50	0.50	ug/L						
Tetrachloroethylene (PCE)	<0.50	0.50	ug/L						
Toluene	<0.50	0.50	ug/L						
1,2,3-Trichlorobenzene	<0.50	0.50	ug/L						
1,2,4-Trichlorobenzene	<0.50	0.50	ug/L						
1,1,1-Trichloroethane	<0.50	0.50	ug/L						
1,1,2-Trichloroethane	<0.50	0.50	ug/L						
Trichloroethylene (TCE)	<0.50	0.50	ug/L						
Trichlorofluoromethane (R11)	<0.50	0.50	ug/L						
1,2,3-Trichloropropane	<0.50	0.50	ug/L						

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K0704 - EPA 5030B</i>										
Blank (B9K0704-BLK1) Continued										
Prepared & Analyzed: 11/07/19										
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	0.50	ug/L							
1,3,5-Trimethylbenzene	<0.50	0.50	ug/L							
1,2,4-Trimethylbenzene	<0.50	0.50	ug/L							
Vinyl chloride	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>48.2</i>		<i>ug/L</i>	<i>50</i>		<i>96.3</i>	<i>80-129</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>47.8</i>		<i>ug/L</i>	<i>50</i>		<i>95.7</i>	<i>68-137</i>			
<i>Surrogate: Toluene-d8</i>	<i>46.6</i>		<i>ug/L</i>	<i>50</i>		<i>93.3</i>	<i>83-134</i>			
LCS (B9K0704-BS1)										
Prepared & Analyzed: 11/07/19										
Acetone	18.6	10	ug/L	20		92.8	27-123			
tert-Amyl-Methyl Ether (TAME)	18.2	2.0	ug/L	20		91.2	58-133			
Benzene	21.4	0.50	ug/L	20		107	60-134			
Bromobenzene	21.8	0.50	ug/L	20		109	70-130			
Bromochloromethane	20.2	0.50	ug/L	20		101	78-121			
Bromodichloromethane	20.3	0.50	ug/L	20		101	74-135			
Bromoform	17.8	0.50	ug/L	20		89.0	68-132			
Bromomethane	26.6	0.50	ug/L	20		133	58-142			
2-Butanone (MEK)	17.5	10	ug/L	20		87.6	62-138			
tert-Butyl Alcohol (TBA)	86.7	10	ug/L	100		86.7	65-148			
sec-Butylbenzene	22.7	0.50	ug/L	20		113	84-142			
tert-Butylbenzene	23.2	0.50	ug/L	20		116	70-130			
n-Butylbenzene	23.0	0.50	ug/L	20		115	70-130			
Carbon Disulfide	17.6	0.50	ug/L	20		88.2	17-177			
Carbon Tetrachloride	20.6	0.50	ug/L	20		103	66-155			
Chlorobenzene	21.6	0.50	ug/L	20		108	70-130			
Chloroethane	24.0	0.50	ug/L	20		120	45-166			
Chloroform	20.4	0.50	ug/L	20		102	71-131			
Chloromethane	20.6	0.50	ug/L	20		103	48-152			
2-Chlorotoluene	22.2	0.50	ug/L	20		111	70-130			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K0704 - EPA 5030B</i>										
LCS (B9K0704-BS1) Continued										
Prepared & Analyzed: 11/07/19										
4-Chlorotoluene	22.6	0.50	ug/L	20		113	70-130			
1,2-Dibromo-3-chloropropane	17.1	1.0	ug/L	20		85.5	53-145			
Dibromochloromethane	20.1	0.50	ug/L	20		101	72-133			
1,2-Dibromoethane (EDB)	19.9	0.50	ug/L	20		99.7	79-120			
Dibromomethane	20.1	0.50	ug/L	20		100	68-124			
1,3-Dichlorobenzene	22.1	0.50	ug/L	20		110	70-130			
1,2-Dichlorobenzene	22.2	0.50	ug/L	20		111	70-130			
1,4-Dichlorobenzene	22.0	0.50	ug/L	20		110	70-130			
Dichlorodifluoromethane (R12)	15.8	0.50	ug/L	20		78.8	16-148			
1,1-Dichloroethane	19.1	0.50	ug/L	20		95.6	67-120			
1,2-Dichloroethane (EDC)	17.9	0.50	ug/L	20		89.7	57-156			
1,1-Dichloroethylene	19.6	0.50	ug/L	20		97.8	50-149			
trans-1,2-Dichloroethylene	20.9	0.50	ug/L	20		105	66-126			
cis-1,2-Dichloroethylene	21.6	0.50	ug/L	20		108	70-124			
1,2-Dichloropropane	20.9	0.50	ug/L	20		104	53-139			
2,2-Dichloropropane	18.8	0.50	ug/L	20		94.2	44-162			
1,3-Dichloropropane	19.2	0.50	ug/L	20		95.8	79-113			
cis-1,3-Dichloropropylene	20.5	0.50	ug/L	20		103	67-127			
trans-1,3-Dichloropropylene	19.5	0.50	ug/L	20		97.4	76-121			
1,1-Dichloropropylene	21.3	0.50	ug/L	20		107	84-124			
Diisopropyl ether (DIPE)	19.9	2.0	ug/L	20		99.4	51-136			
Ethylbenzene	22.7	0.50	ug/L	20		114	86-124			
Ethyl-tert-Butyl Ether (ETBE)	18.6	2.0	ug/L	20		92.8	62-136			
Hexachlorobutadiene	21.1	1.0	ug/L	20		106	76-140			
2-Hexanone (MBK)	16.0	10	ug/L	20		80.0	52-123			
Isopropylbenzene	23.5	0.50	ug/L	20		118	70-130			
4-Isopropyltoluene	23.6	1.0	ug/L	20		118	70-130			
Methyl-tert-Butyl Ether (MTBE)	35.6	1.2	ug/L	40		89.1	58-144			
Methylene Chloride	19.1	5.0	ug/L	20		95.3	50-135			
4-Methyl-2-pentanone (MIBK)	18.6	10	ug/L	20		92.9	49-139			
Naphthalene	22.0	2.0	ug/L	20		110	74-128			
n-Propylbenzene	22.7	0.50	ug/L	20		114	70-130			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K0704 - EPA 5030B</i>										
LCS (B9K0704-BS1) Continued										
Prepared & Analyzed: 11/07/19										
Styrene	22.6	0.50	ug/L	20		113	84-123			
1,1,1,2-Tetrachloroethane	20.6	0.50	ug/L	20		103	70-130			
1,1,2,2-Tetrachloroethane	19.0	0.50	ug/L	20		95.2	58-126			
Tetrachloroethylene (PCE)	20.8	0.50	ug/L	20		104	70-130			
Toluene	21.2	0.50	ug/L	20		106	83-118			
1,2,3-Trichlorobenzene	20.2	0.50	ug/L	20		101	77-134			
1,2,4-Trichlorobenzene	21.3	0.50	ug/L	20		106	84-128			
1,1,1-Trichloroethane	20.8	0.50	ug/L	20		104	66-158			
1,1,2-Trichloroethane	20.2	0.50	ug/L	20		101	75-115			
Trichloroethylene (TCE)	21.4	0.50	ug/L	20		107	82-128			
Trichlorofluoromethane (R11)	17.7	0.50	ug/L	20		88.6	65-137			
1,2,3-Trichloropropane	18.3	0.50	ug/L	20		91.4	68-123			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	17.0	0.50	ug/L	20		85.0	62-130			
1,3,5-Trimethylbenzene	23.0	0.50	ug/L	20		115	70-130			
1,2,4-Trimethylbenzene	23.5	0.50	ug/L	20		118	70-130			
Vinyl chloride	25.7	0.50	ug/L	20		128	51-151			
o-Xylene	21.9	0.50	ug/L	20		110	70-130			
m,p-Xylenes	44.7	1.0	ug/L	40		112	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	46.2		ug/L	50		92.4	80-129			
<i>Surrogate: Dibromofluoromethane</i>	44.1		ug/L	50		88.1	68-137			
<i>Surrogate: Toluene-d8</i>	46.6		ug/L	50		93.2	83-134			
LCS Dup (B9K0704-BSD1)										
Prepared & Analyzed: 11/07/19										
Acetone	23.1	10	ug/L	20		115	27-123	21.7	30	
tert-Amyl-Methyl Ether (TAME)	21.0	2.0	ug/L	20		105	58-133	13.8	30	
Benzene	21.2	0.50	ug/L	20		106	60-134	0.892	30	
Bromobenzene	21.2	0.50	ug/L	20		106	70-130	2.56	30	
Bromochloromethane	20.6	0.50	ug/L	20		103	78-121	2.06	30	
Bromodichloromethane	20.6	0.50	ug/L	20		103	74-135	1.62	30	
Bromoform	18.4	0.50	ug/L	20		92.0	68-132	3.37	30	
Bromomethane	31.0	0.50	ug/L	20		155	58-142	15.2	30	QL-03

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K0704 - EPA 5030B</i>										
LCS Dup (B9K0704-BSD1) Continued					Prepared & Analyzed: 11/07/19					
2-Butanone (MEK)	19.0	10	ug/L	20		94.9	62-138	7.94	30	
tert-Butyl Alcohol (TBA)	94.5	10	ug/L	100		94.5	65-148	8.65	30	
sec-Butylbenzene	21.5	0.50	ug/L	20		108	84-142	5.25	30	
tert-Butylbenzene	22.2	0.50	ug/L	20		111	70-130	4.19	30	
n-Butylbenzene	21.7	0.50	ug/L	20		108	70-130	5.64	30	
Carbon Disulfide	21.7	0.50	ug/L	20		108	17-177	20.5	30	
Carbon Tetrachloride	20.6	0.50	ug/L	20		103	66-155	0.291	30	
Chlorobenzene	21.3	0.50	ug/L	20		107	70-130	1.54	30	
Chloroethane	27.0	0.50	ug/L	20		135	45-166	11.9	30	
Chloroform	19.9	0.50	ug/L	20		99.7	71-131	2.33	30	
Chloromethane	26.1	0.50	ug/L	20		131	48-152	23.8	30	
2-Chlorotoluene	21.3	0.50	ug/L	20		106	70-130	4.05	30	
4-Chlorotoluene	21.6	0.50	ug/L	20		108	70-130	4.66	30	
1,2-Dibromo-3-chloropropane	19.3	1.0	ug/L	20		96.5	53-145	12.1	30	
Dibromochloromethane	20.7	0.50	ug/L	20		104	72-133	2.99	30	
1,2-Dibromoethane (EDB)	21.0	0.50	ug/L	20		105	79-120	5.18	30	
Dibromomethane	20.8	0.50	ug/L	20		104	68-124	3.47	30	
1,3-Dichlorobenzene	21.5	0.50	ug/L	20		107	70-130	2.71	30	
1,2-Dichlorobenzene	21.8	0.50	ug/L	20		109	70-130	2.23	30	
1,4-Dichlorobenzene	21.5	0.50	ug/L	20		107	70-130	2.53	30	
Dichlorodifluoromethane (R12)	22.3	0.50	ug/L	20		111	16-148	34.3	30	QR-02
1,1-Dichloroethane	19.4	0.50	ug/L	20		97.0	67-120	1.45	30	
1,2-Dichloroethane (EDC)	17.8	0.50	ug/L	20		89.2	57-156	0.503	30	
1,1-Dichloroethylene	20.6	0.50	ug/L	20		103	50-149	5.23	30	
trans-1,2-Dichloroethylene	21.1	0.50	ug/L	20		105	66-126	0.714	30	
cis-1,2-Dichloroethylene	21.0	0.50	ug/L	20		105	70-124	2.68	30	
1,2-Dichloropropane	21.2	0.50	ug/L	20		106	53-139	1.19	30	
2,2-Dichloropropane	18.0	0.50	ug/L	20		89.8	44-162	4.67	30	
1,3-Dichloropropane	19.9	0.50	ug/L	20		99.4	79-113	3.74	30	
cis-1,3-Dichloropropylene	20.4	0.50	ug/L	20		102	67-127	0.636	30	
trans-1,3-Dichloropropylene	19.6	0.50	ug/L	20		98.2	76-121	0.818	30	
1,1-Dichloropropylene	21.2	0.50	ug/L	20		106	84-124	0.659	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K0704 - EPA 5030B</i>										
LCS Dup (B9K0704-BSD1) Continued										
Prepared & Analyzed: 11/07/19										
Diisopropyl ether (DIPE)	21.8	2.0	ug/L	20		109	51-136	8.98	30	
Ethylbenzene	21.9	0.50	ug/L	20		110	86-124	3.54	30	
Ethyl-tert-Butyl Ether (ETBE)	21.3	2.0	ug/L	20		106	62-136	13.7	30	
Hexachlorobutadiene	19.9	1.0	ug/L	20		99.5	76-140	5.90	30	
2-Hexanone (MBK)	18.1	10	ug/L	20		90.6	52-123	12.5	30	
Isopropylbenzene	22.5	0.50	ug/L	20		112	70-130	4.52	30	
4-Isopropyltoluene	22.4	1.0	ug/L	20		112	70-130	5.39	30	
Methyl-tert-Butyl Ether (MTBE)	43.0	1.2	ug/L	40		108	58-144	18.7	30	
Methylene Chloride	19.5	5.0	ug/L	20		97.4	50-135	2.13	30	
4-Methyl-2-pentanone (MIBK)	21.1	10	ug/L	20		105	49-139	12.6	30	
Naphthalene	23.9	2.0	ug/L	20		120	74-128	8.32	30	
n-Propylbenzene	21.4	0.50	ug/L	20		107	70-130	5.89	30	
Styrene	21.9	0.50	ug/L	20		109	84-123	3.06	30	
1,1,1,2-Tetrachloroethane	20.4	0.50	ug/L	20		102	70-130	0.973	30	
1,1,2,2-Tetrachloroethane	20.7	0.50	ug/L	20		103	58-126	8.31	30	
Tetrachloroethylene (PCE)	19.8	0.50	ug/L	20		98.8	70-130	5.08	30	
Toluene	20.5	0.50	ug/L	20		103	83-118	3.26	30	
1,2,3-Trichlorobenzene	20.6	0.50	ug/L	20		103	77-134	1.81	30	
1,2,4-Trichlorobenzene	21.1	0.50	ug/L	20		105	84-128	0.992	30	
1,1,1-Trichloroethane	20.6	0.50	ug/L	20		103	66-158	1.16	30	
1,1,2-Trichloroethane	20.6	0.50	ug/L	20		103	75-115	1.96	30	
Trichloroethylene (TCE)	21.2	0.50	ug/L	20		106	82-128	0.892	30	
Trichlorofluoromethane (R11)	20.0	0.50	ug/L	20		99.8	65-137	12.0	30	
1,2,3-Trichloropropane	19.3	0.50	ug/L	20		96.6	68-123	5.64	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	19.1	0.50	ug/L	20		95.7	62-130	11.8	30	
1,3,5-Trimethylbenzene	22.2	0.50	ug/L	20		111	70-130	3.85	30	
1,2,4-Trimethylbenzene	22.4	0.50	ug/L	20		112	70-130	4.92	30	
Vinyl chloride	26.6	0.50	ug/L	20		133	51-151	3.67	30	
o-Xylene	21.1	0.50	ug/L	20		106	70-130	3.72	30	
m,p-Xylenes	42.6	1.0	ug/L	40		107	70-130	4.83	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K0704 - EPA 5030B</i>										
LCS Dup (B9K0704-BSD1) Continued										
Prepared & Analyzed: 11/07/19										
<i>Surrogate: 4-Bromofluorobenzene</i>	46.2		ug/L	50		92.3	80-129			
<i>Surrogate: Dibromofluoromethane</i>	45.4		ug/L	50		90.8	68-137			
<i>Surrogate: Toluene-d8</i>	46.6		ug/L	50		93.2	83-134			
Diesel Range Organics by GC/FID - Quality Control										
<i>Batch B9K0515 - EPA 3510C</i>										
Blank (B9K0515-BLK1)										
Prepared & Analyzed: 11/05/19										
Diesel Range Organics as Diesel	<0.10	0.10	mg/L							
<i>Surrogate: o-Terphenyl</i>	0.0595		mg/L	0.040		149	50-150			
LCS (B9K0515-BS1)										
Prepared & Analyzed: 11/05/19										
Diesel Range Organics as Diesel	0.642	0.10	mg/L	0.80		80.2	36-132			
<i>Surrogate: o-Terphenyl</i>	0.0469		mg/L	0.040		117	50-150			
LCS Dup (B9K0515-BSD1)										
Prepared & Analyzed: 11/05/19										
Diesel Range Organics as Diesel	0.724	0.10	mg/L	0.80		90.5	36-132	12.1	30	
<i>Surrogate: o-Terphenyl</i>	0.0485		mg/L	0.040		121	50-150			
<i>Batch B9K0621 - EPA 3510C</i>										
Blank (B9K0621-BLK1)										
Prepared & Analyzed: 11/06/19										
Diesel Range Organics as Diesel	<0.10	0.10	mg/L							
<i>Surrogate: o-Terphenyl</i>	0.0610		mg/L	0.040		153	50-150			
LCS (B9K0621-BS1)										
Prepared & Analyzed: 11/06/19										
Diesel Range Organics as Diesel	0.724	0.10	mg/L	0.80		90.5	36-132			
<i>Surrogate: o-Terphenyl</i>	0.0454		mg/L	0.040		114	50-150			
LCS Dup (B9K0621-BSD1)										
Prepared & Analyzed: 11/06/19										
Diesel Range Organics as Diesel	0.689	0.10	mg/L	0.80		86.1	36-132	5.03	30	
<i>Surrogate: o-Terphenyl</i>	0.0446		mg/L	0.040		111	50-150			
Gasoline Range Organics by GC/FID - Quality Control										
<i>Batch B9K0517 - *** DEFAULT PREP ***</i>										
Blank (B9K0517-BLK1)										
Prepared & Analyzed: 11/05/19										

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Gasoline Range Organics by GC/FID - Quality Control										
<i>Batch B9K0517 - *** DEFAULT PREP ***</i>										
Blank (B9K0517-BLK1) Continued				Prepared & Analyzed: 11/05/19						
Gasoline Range Organics (GRO)	<100	100	ug/L							
Surrogate: a,a,a-Trifluorotoluene	50.0		ug/L	50		100	80-120			
LCS (B9K0517-BS1)				Prepared & Analyzed: 11/05/19						
Gasoline Range Organics (GRO)	472	100	ug/L	500		94.3	75-125		30	
Surrogate: a,a,a-Trifluorotoluene	53.7		ug/L	50		107	80-120			
LCS Dup (B9K0517-BSD1)				Prepared & Analyzed: 11/05/19						
Gasoline Range Organics (GRO)	486	100	ug/L	500		97.3	75-125	3.07	30	
Surrogate: a,a,a-Trifluorotoluene	53.2		ug/L	50		106	80-120			
Matrix Spike (B9K0517-MS1)				Source: 9J31003-10 Prepared & Analyzed: 11/05/19						
Gasoline Range Organics (GRO)	465	100	ug/L	500	<100	93.0	70-130		30	
Surrogate: a,a,a-Trifluorotoluene	52.8		ug/L	50		106	80-120			
Matrix Spike Dup (B9K0517-MSD1)				Source: 9J31003-10 Prepared & Analyzed: 11/05/19						
Gasoline Range Organics (GRO)	480	100	ug/L	500	<100	95.9	70-130	3.04	30	
Surrogate: a,a,a-Trifluorotoluene	56.4		ug/L	50		113	80-120			
<i>Batch B9K0636 - *** DEFAULT PREP ***</i>										
Blank (B9K0636-BLK1)				Prepared & Analyzed: 11/06/19						
Gasoline Range Organics (GRO)	<100	100	ug/L							
Surrogate: a,a,a-Trifluorotoluene	47.6		ug/L	50		95.3	80-120			
LCS (B9K0636-BS1)				Prepared & Analyzed: 11/06/19						
Gasoline Range Organics (GRO)	512	100	ug/L	500		102	75-125		30	
Surrogate: a,a,a-Trifluorotoluene	55.6		ug/L	50		111	80-120			
LCS Dup (B9K0636-BSD1)				Prepared & Analyzed: 11/06/19						
Gasoline Range Organics (GRO)	455	100	ug/L	500		90.9	75-125	11.9	30	
Surrogate: a,a,a-Trifluorotoluene	54.1		ug/L	50		108	80-120			
Matrix Spike (B9K0636-MS1)				Source: 9J31003-27 Prepared & Analyzed: 11/06/19						
Gasoline Range Organics (GRO)	668	100	ug/L	500	211	91.6	70-130		30	
Surrogate: a,a,a-Trifluorotoluene	59.7		ug/L	50		119	80-120			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Gasoline Range Organics by GC/FID - Quality Control										
<i>Batch B9K0636 - *** DEFAULT PREP ***</i>										
Matrix Spike Dup (B9K0636-MSD1) Source: 9J31003-27 Prepared & Analyzed: 11/06/19										
Gasoline Range Organics (GRO)	643	100	ug/L	500	211	86.4	70-130	3.92	30	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	<i>58.7</i>		<i>ug/L</i>	<i>50</i>		<i>117</i>	<i>80-120</i>			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333188
Date Received: 10/31/19
Date Reported: 11/21/19

Special Notes

- [1] = **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.
- [2] = **QR-02** : The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

A handwritten signature in black ink, appearing to read 'V. Vasile'.

Viorel Vasile
Operations Manager



AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

9765 ETON AVE., CHATSWORTH, CA 91311
 Tel: 818-998-5547 FAX: 818-998-7258

A.A. COC No.: 19153
 70054602
 Page 1 of 2

Client: APEX-SGZ Project Name / No.: DFSP Norwalk Sampler's Name: Dan Wolsh
 Project Manager: DAN SWENSON Site Address: 15306 Norwalk Blvd. Sampler's Signature: [Signature]
 Phone: 562-597-1011 City: Norwalk P.O. No.: _____
 Fax: 562-597-1070 State & Zip: Ca 90670 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)

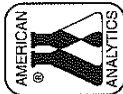
8200	801M DBO	801M-TM-G										
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Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	Please enter the TAT Turnaround Codes ** below												Special Instructions		
BCTB-1	9J31003 -01	10-30-19	600	GW	2	X														
QCEB-1	-02	10-30-19	730	GW	2	X														
GMW-16	-03	10-30-19	810	GW	6	X	X													
GMW-60	-04	10-30-19	855	GW	6	X	X													
EXP-1	-05	10-30-19	940	GW	6	X	X													
MW-17	-06	10-30-19	1035	GW	6	X	X													
GMW-57	-07	10-30-19	1120	GW	6	X	X													
TF-21	-08	10-30-19	1205	GW	6	X	X													
GMW-48	-09	10-30-19	170	GW	6	X	X													
GMW-59	-10	10-30-19	190	GW	6	X	X													
MW-16	-11	10-30-19	235	GW	6	X	X													
GMW-12	-12	10-30-19	315	GW	6	X	X													
EXP-3 DUP-3	-13	10-31-19	X855X	GW	6	X	X													
EXP-29	-14	10-31-19	930	GW	6	X	X													
GMW-43	-15	10-31-19	1015	GW	6	X	X													

For Laboratory Use				Relinquished by	Date	Time	Received by	Time
REVIEWED Date: <u>11/19/19</u> Time: <u>1030</u> TAT: <u>N</u> Days Sign: <u>[Signature]</u>				<u>[Signature]</u>	<u>10/31/19</u>	<u>1930</u>	<u>[Signature]</u>	<u>1930</u>
				<u>[Signature]</u>	<u>10/31/19</u>	<u>1930</u>	<u>[Signature]</u>	<u>1930</u>
				<u>[Signature]</u>	<u>10/31/19</u>	<u>1930</u>	<u>[Signature]</u>	<u>1930</u>

A.A. Project No.: AS33188/9121003

Note: By relinquishing samples to American Analytix, client agrees to pay for the services requested on this chain of custody form and any additional client-requested analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 45 days following the submittal of the sample(s) to American Analytix.



AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

9765 ETON AVE., CHATSWORTH, CA 91311
Tel: 818-998-5547 FAX: 818-998-7258

A.A. COC No.: 19154

70054601

Page 2 of 2

Client: APEX-S&T Project Name / No.: DFSP Norwalk Sampler's Name: Dawid Lubina

Project Manager: DAN SWENSSON Site Address: 75306 Norwalk Sampler's Signature: [Signature]

Phone: 562-597-1017 City: Norwalk P.O. No.: ---

Fax: 562-597-1070 State & Zip: Ca 90650 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	
						82608	8015 m DRG	8017H-6					
QCTB-1	9131003-19	10-29-19	600	GW	2	X							
QCEB-1	15	10-20-19	730	GW	2	X							
MW-13	-16	10-29-19	110	GW	6	X	X						
GMW-66R	-17	10-29-19	210	GW	6	X	X						
QCTB-1	-18	10-31-19	600	GW	2	X							
QCEB-1	-19	10-31-19	800	GW	2	X							
EXP-3	-20	10-31-19	840	GW	6	X	X						
MW-29	-24	10-31-19	930	GW	6	X	X						
GMW-43	-22	10-31-19	1015	GW	6	X	X						
GMW-41	-23	10-31-19	1100	GW	6	X	X						
TF-9R	-24	10-31-19	1145	GW	6	X	X						
GMW-17R	-25	10-31-19	1230	GW	6	X	X						
DUP-4	-26	10-31-19	1445	GW	6	X	X						
PZ-3	-27	10-31-19	1100	GW	6	X	X						

For Laboratory Use

Relinquished by: [Signature] Date: 10-31-19 Time: 13:00 Received by: [Signature]

Relinquished by: [Signature] Date: 10/31/19 Time: 17:30 Received by: [Signature]

Relinquished by: [Signature] Date: 10/31/19 Time: 17:30 Received by: [Signature]

A.A. Project No.: ASB35188/9131003

Note: By relinquishing samples to American Analytics, client agrees to pay for the services requested on this chain of custody form and any additional client-requested analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 45 days following the submittal of the sample(s) to American Analytics.



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

November 26, 2019

Neil Irish

The Source Group, Inc. (SH)
1962 Freeman Ave.
Signal Hill, CA 90755

**Re : DFSP Norwalk GW Sampling / 04-NDLA-013
A5333197 / 9K06024**

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 11/06/19 14:52 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 black ink, appearing to read 'V. Vasile', is written over a light blue horizontal line.

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333197
Date Received: 11/06/19
Date Reported: 11/26/19

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
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8260B+OXY+TPHG

QCTB-1	9K06024-01	Water	5	11/05/19 06:00	11/06/19 14:52
QCEB-1	9K06024-02	Water	5	11/05/19 08:30	11/06/19 14:52

8260B+OXYGENATES

TF-8	9K06024-03	Water	5	11/05/19 09:15	11/06/19 14:52
GW-6	9K06024-04	Water	5	11/05/19 10:00	11/06/19 14:52
GMW-16	9K06024-05	Water	5	11/05/19 10:40	11/06/19 14:52
GW-8	9K06024-06	Water	5	11/05/19 11:20	11/06/19 14:52
MW-24	9K06024-07	Water	5	11/05/19 12:00	11/06/19 14:52
GW-2	9K06024-08	Water	5	11/05/19 12:40	11/06/19 14:52
GW-13	9K06024-09	Water	5	11/05/19 13:25	11/06/19 14:52
MW-22 (MID)	9K06024-10	Water	5	11/05/19 14:10	11/06/19 14:52
DUP-5	9K06024-11	Water	5	11/05/19 00:00	11/06/19 14:52
MW-26	9K06024-12	Water	5	11/05/19 14:55	11/06/19 14:52
MW-27	9K06024-13	Water	5	11/05/19 15:35	11/06/19 14:52

Diesel Range Organics 8015M

TF-8	9K06024-03	Water	5	11/05/19 09:15	11/06/19 14:52
GW-6	9K06024-04	Water	5	11/05/19 10:00	11/06/19 14:52
GMW-16	9K06024-05	Water	5	11/05/19 10:40	11/06/19 14:52

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333197
Date Received: 11/06/19
Date Reported: 11/26/19

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
GW-8	9K06024-06	Water	5	11/05/19 11:20	11/06/19 14:52
MW-24	9K06024-07	Water	5	11/05/19 12:00	11/06/19 14:52
GW-2	9K06024-08	Water	5	11/05/19 12:40	11/06/19 14:52
GW-13	9K06024-09	Water	5	11/05/19 13:25	11/06/19 14:52
MW-22 (MID)	9K06024-10	Water	5	11/05/19 14:10	11/06/19 14:52
DUP-5	9K06024-11	Water	5	11/05/19 00:00	11/06/19 14:52
MW-26	9K06024-12	Water	5	11/05/19 14:55	11/06/19 14:52
MW-27	9K06024-13	Water	5	11/05/19 15:35	11/06/19 14:52

Gasoline Range Organics 8015M

TF-8	9K06024-03	Water	5	11/05/19 09:15	11/06/19 14:52
GW-6	9K06024-04	Water	5	11/05/19 10:00	11/06/19 14:52
GMW-16	9K06024-05	Water	5	11/05/19 10:40	11/06/19 14:52
GW-8	9K06024-06	Water	5	11/05/19 11:20	11/06/19 14:52
MW-24	9K06024-07	Water	5	11/05/19 12:00	11/06/19 14:52
GW-2	9K06024-08	Water	5	11/05/19 12:40	11/06/19 14:52
GW-13	9K06024-09	Water	5	11/05/19 13:25	11/06/19 14:52
MW-22 (MID)	9K06024-10	Water	5	11/05/19 14:10	11/06/19 14:52
DUP-5	9K06024-11	Water	5	11/05/19 00:00	11/06/19 14:52
MW-26	9K06024-12	Water	5	11/05/19 14:55	11/06/19 14:52
MW-27	9K06024-13	Water	5	11/05/19 15:35	11/06/19 14:52

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5333197
Date Received: 11/06/19
Date Reported: 11/26/19
Units: ug/L

Date Sampled:	11/05/19	11/05/19	
Date Prepared:	11/13/19	11/13/19	
Date Analyzed:	11/13/19	11/13/19	
AA ID No:	9K06024-01	9K06024-02	
Client ID No:	QCTB-1	QCEB-1	
Matrix:	Water	Water	
Dilution Factor:	1	1	MRL

8260B+OXY+TPHG (EPA 8260B)

Acetone	<10	<10	10
tert-Amyl-Methyl Ether (TAME)	<2.0	<2.0	2.0
Benzene	<0.50	<0.50	0.50
Bromobenzene	<0.50	<0.50	0.50
Bromochloromethane	<0.50	<0.50	0.50
Bromodichloromethane	<0.50	<0.50	0.50
Bromoform	<0.50	<0.50	0.50
Bromomethane	<0.50	<0.50	0.50
2-Butanone (MEK)	<10	<10	10
tert-Butyl Alcohol (TBA)	<10	<10	10
sec-Butylbenzene	<0.50	<0.50	0.50
tert-Butylbenzene	<0.50	<0.50	0.50
n-Butylbenzene	<0.50	<0.50	0.50
Carbon Disulfide	<0.50	<0.50	0.50
Carbon Tetrachloride	<0.50	<0.50	0.50
Chlorobenzene	<0.50	<0.50	0.50
Chloroethane	<0.50	<0.50	0.50
Chloroform	<0.50	<0.50	0.50
Chloromethane	<0.50	<0.50	0.50
2-Chlorotoluene	<0.50	<0.50	0.50
4-Chlorotoluene	<0.50	<0.50	0.50
1,2-Dibromo-3-chloropropane	<1.0	<1.0	1.0
Dibromochloromethane	<0.50	<0.50	0.50
1,2-Dibromoethane (EDB)	<0.50	<0.50	0.50
Dibromomethane	<0.50	<0.50	0.50
1,3-Dichlorobenzene	<0.50	<0.50	0.50
1,2-Dichlorobenzene	<0.50	<0.50	0.50

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5333197
Date Received: 11/06/19
Date Reported: 11/26/19
Units: ug/L

Date Sampled:	11/05/19	11/05/19	
Date Prepared:	11/13/19	11/13/19	
Date Analyzed:	11/13/19	11/13/19	
AA ID No:	9K06024-01	9K06024-02	
Client ID No:	QCTB-1	QCEB-1	
Matrix:	Water	Water	
Dilution Factor:	1	1	MRL

8260B+OXY+TPHG (EPA 8260B) (continued)

1,4-Dichlorobenzene	<0.50	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	<0.50	0.50
1,1-Dichloroethane	<0.50	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	<0.50	0.50
1,1-Dichloroethylene	<0.50	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	<0.50	0.50
1,2-Dichloropropane	<0.50	<0.50	0.50
2,2-Dichloropropane	<0.50	<0.50	0.50
1,3-Dichloropropane	<0.50	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	<0.50	0.50
1,1-Dichloropropylene	<0.50	<0.50	0.50
Diisopropyl ether (DIPE)	<2.0	<2.0	2.0
Ethylbenzene	<0.50	<0.50	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	<2.0	2.0
Gasoline Range Organics (GRO)	<100	<100	100
Hexachlorobutadiene	<1.0	<1.0	1.0
2-Hexanone (MBK)	<10	<10	10
Isopropylbenzene	<0.50	<0.50	0.50
4-Isopropyltoluene	<1.0	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<1.2	<1.2	1.2
Methylene Chloride	<5.0	<5.0	5.0
4-Methyl-2-pentanone (MIBK)	<10	<10	10
Naphthalene	<2.0	<2.0	2.0
n-Propylbenzene	<0.50	<0.50	0.50

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5333197
Date Received: 11/06/19
Date Reported: 11/26/19
Units: ug/L

Date Sampled:	11/05/19	11/05/19	
Date Prepared:	11/13/19	11/13/19	
Date Analyzed:	11/13/19	11/13/19	
AA ID No:	9K06024-01	9K06024-02	
Client ID No:	QCTB-1	QCEB-1	
Matrix:	Water	Water	
Dilution Factor:	1	1	MRL

8260B+OXY+TPHG (EPA 8260B) (continued)

Styrene	<0.50	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	<0.50	0.50
1,1,2,2-Tetrachloroethane	<0.50	<0.50	0.50
Tetrachloroethylene (PCE)	<0.50	<0.50	0.50
Toluene	<0.50	<0.50	0.50
1,2,3-Trichlorobenzene	<0.50	<0.50	0.50
1,2,4-Trichlorobenzene	<0.50	<0.50	0.50
1,1,1-Trichloroethane	<0.50	<0.50	0.50
1,1,2-Trichloroethane	<0.50	<0.50	0.50
Trichloroethylene (TCE)	<0.50	<0.50	0.50
Trichlorofluoromethane (R11)	<0.50	<0.50	0.50
1,2,3-Trichloropropane	<0.50	<0.50	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	<0.50	0.50
1,3,5-Trimethylbenzene	<0.50	<0.50	0.50
1,2,4-Trimethylbenzene	<0.50	<0.50	0.50
Vinyl chloride	<0.50	<0.50	0.50
o-Xylene	<0.50	<0.50	0.50
m,p-Xylenes	<1.0	<1.0	1.0

Surrogates			%REC Limits
4-Bromofluorobenzene	93%	96%	80-129
Dibromofluoromethane	92%	97%	68-137
Toluene-d8	91%	92%	83-134

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333197
Date Received: 11/06/19
Date Reported: 11/26/19
Units: ug/L

Date Sampled:	11/05/19	11/05/19	11/05/19	11/05/19	
Date Prepared:	11/13/19	11/13/19	11/13/19	11/13/19	
Date Analyzed:	11/13/19	11/13/19	11/13/19	11/13/19	
AA ID No:	9K06024-03	9K06024-04	9K06024-05	9K06024-06	
Client ID No:	TF-8	GW-6	GMW-16	GW-8	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

8260B+OXYGENATES (EPA 8260B)

Acetone	14	12	<10	28	10
tert-Amyl-Methyl Ether (TAME)	<2.0	<2.0	<2.0	<2.0	2.0
Benzene	<0.50	<0.50	<0.50	<0.50	0.50
Bromobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Bromochloromethane	<0.50	<0.50	<0.50	<0.50	0.50
Bromodichloromethane	<0.50	<0.50	<0.50	<0.50	0.50
Bromoform	<0.50	<0.50	<0.50	<0.50	0.50
Bromomethane	<0.50	<0.50	<0.50	<0.50	0.50
2-Butanone (MEK)	<10	<10	<10	<10	10
tert-Butyl Alcohol (TBA)	<10	<10	<10	<10	10
sec-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
tert-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
n-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Carbon Disulfide	<0.50	<0.50	<0.50	<0.50	0.50
Carbon Tetrachloride	<0.50	<0.50	<0.50	<0.50	0.50
Chlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Chloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Chloroform	<0.50	<0.50	<0.50	<0.50	0.50
Chloromethane	<0.50	<0.50	<0.50	<0.50	0.50
2-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	0.50
4-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dibromo-3-chloropropane	<1.0	<1.0	<1.0	<1.0	1.0
Dibromochloromethane	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dibromoethane (EDB)	<0.50	<0.50	<0.50	<0.50	0.50
Dibromomethane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333197
Date Received: 11/06/19
Date Reported: 11/26/19
Units: ug/L

Date Sampled:	11/05/19	11/05/19	11/05/19	11/05/19	
Date Prepared:	11/13/19	11/13/19	11/13/19	11/13/19	
Date Analyzed:	11/13/19	11/13/19	11/13/19	11/13/19	
AA ID No:	9K06024-03	9K06024-04	9K06024-05	9K06024-06	
Client ID No:	TF-8	GW-6	GMW-16	GW-8	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

8260B+OXYGENATES (EPA 8260B) (continued)

1,4-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
2,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
Diisopropyl ether (DIPE)	<2.0	<2.0	<2.0	<2.0	2.0
Ethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	<2.0	<2.0	<2.0	2.0
Hexachlorobutadiene	<1.0	<1.0	<1.0	<1.0	1.0
2-Hexanone (MBK)	<10	<10	<10	<10	10
Isopropylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
4-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<1.2	<1.2	<1.2	<1.2	1.2
Methylene Chloride	<5.0	<5.0	<5.0	<5.0	5.0
4-Methyl-2-pentanone (MIBK)	<10	<10	<10	<10	10
Naphthalene	<2.0	<2.0	<2.0	<2.0	2.0
n-Propylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Styrene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333197
Date Received: 11/06/19
Date Reported: 11/26/19
Units: ug/L

Date Sampled:	11/05/19	11/05/19	11/05/19	11/05/19
Date Prepared:	11/13/19	11/13/19	11/13/19	11/13/19
Date Analyzed:	11/13/19	11/13/19	11/13/19	11/13/19
AA ID No:	9K06024-03	9K06024-04	9K06024-05	9K06024-06
Client ID No:	TF-8	GW-6	GMW-16	GW-8
Matrix:	Water	Water	Water	Water
Dilution Factor:	1	1	1	1
				MRL

8260B+OXYGENATES (EPA 8260B) (continued)

1,1,2,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Tetrachloroethylene (PCE)	<0.50	<0.50	<0.50	<0.50	0.50
Toluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Trichloroethylene (TCE)	<0.50	<0.50	<0.50	<0.50	0.50
Trichlorofluoromethane (R11)	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	<0.50	<0.50	<0.50	0.50
1,3,5-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Vinyl chloride	<0.50	<0.50	<0.50	<0.50	0.50
o-Xylene	<0.50	<0.50	<0.50	<0.50	0.50
m,p-Xylenes	<1.0	<1.0	<1.0	<1.0	1.0

Surrogates					%REC Limits
4-Bromofluorobenzene	97%	98%	98%	97%	80-129
Dibromofluoromethane	92%	98%	100%	99%	68-137
Toluene-d8	93%	94%	94%	95%	83-134

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333197
Date Received: 11/06/19
Date Reported: 11/26/19
Units: ug/L

	11/05/19	11/05/19	11/05/19	11/05/19	
Date Sampled:	11/05/19	11/05/19	11/05/19	11/05/19	
Date Prepared:	11/13/19	11/13/19	11/13/19	11/13/19	
Date Analyzed:	11/13/19	11/13/19	11/13/19	11/13/19	
AA ID No:	9K06024-07	9K06024-08	9K06024-09	9K06024-10	
Client ID No:	MW-24	GW-2	GW-13	MW-22 (MID)	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

8260B+OXYGENATES (EPA 8260B)

Acetone	<10	<10	10	<10	10
tert-Amyl-Methyl Ether (TAME)	<2.0	<2.0	<2.0	<2.0	2.0
Benzene	<0.50	<0.50	<0.50	<0.50	0.50
Bromobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Bromochloromethane	<0.50	<0.50	<0.50	<0.50	0.50
Bromodichloromethane	<0.50	<0.50	<0.50	<0.50	0.50
Bromoform	<0.50	<0.50	<0.50	<0.50	0.50
Bromomethane	<0.50	<0.50	<0.50	<0.50	0.50
2-Butanone (MEK)	<10	<10	<10	<10	10
tert-Butyl Alcohol (TBA)	<10	<10	23	11	10
sec-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
tert-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
n-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Carbon Disulfide	<0.50	<0.50	<0.50	<0.50	0.50
Carbon Tetrachloride	<0.50	<0.50	<0.50	<0.50	0.50
Chlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Chloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Chloroform	<0.50	<0.50	<0.50	<0.50	0.50
Chloromethane	<0.50	<0.50	<0.50	<0.50	0.50
2-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	0.50
4-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dibromo-3-chloropropane	<1.0	<1.0	<1.0	<1.0	1.0
Dibromochloromethane	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dibromoethane (EDB)	<0.50	<0.50	<0.50	<0.50	0.50
Dibromomethane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333197
Date Received: 11/06/19
Date Reported: 11/26/19
Units: ug/L

Date Sampled:	11/05/19	11/05/19	11/05/19	11/05/19	
Date Prepared:	11/13/19	11/13/19	11/13/19	11/13/19	
Date Analyzed:	11/13/19	11/13/19	11/13/19	11/13/19	
AA ID No:	9K06024-07	9K06024-08	9K06024-09	9K06024-10	
Client ID No:	MW-24	GW-2	GW-13	MW-22 (MID)	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

8260B+OXYGENATES (EPA 8260B) (continued)

1,4-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	<0.50	0.87	2.3	0.50
1,1-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
2,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
Diisopropyl ether (DIPE)	<2.0	<2.0	<2.0	<2.0	2.0
Ethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	<2.0	<2.0	<2.0	2.0
Hexachlorobutadiene	<1.0	<1.0	<1.0	<1.0	1.0
2-Hexanone (MBK)	<10	<10	<10	<10	10
Isopropylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
4-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<1.2	<1.2	1.6	6.0	1.2
Methylene Chloride	<5.0	<5.0	<5.0	<5.0	5.0
4-Methyl-2-pentanone (MIBK)	<10	<10	<10	<10	10
Naphthalene	<2.0	<2.0	<2.0	<2.0	2.0
n-Propylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Styrene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333197
Date Received: 11/06/19
Date Reported: 11/26/19
Units: ug/L

Date Sampled:	11/05/19	11/05/19	11/05/19	11/05/19	
Date Prepared:	11/13/19	11/13/19	11/13/19	11/13/19	
Date Analyzed:	11/13/19	11/13/19	11/13/19	11/13/19	
AA ID No:	9K06024-07	9K06024-08	9K06024-09	9K06024-10	
Client ID No:	MW-24	GW-2	GW-13	MW-22 (MID)	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

8260B+OXYGENATES (EPA 8260B) (continued)

1,1,2,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Tetrachloroethylene (PCE)	<0.50	<0.50	<0.50	<0.50	0.50
Toluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Trichloroethylene (TCE)	<0.50	<0.50	<0.50	<0.50	0.50
Trichlorofluoromethane (R11)	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	<0.50	<0.50	<0.50	0.50
1,3,5-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Vinyl chloride	<0.50	<0.50	<0.50	<0.50	0.50
o-Xylene	<0.50	<0.50	<0.50	<0.50	0.50
m,p-Xylenes	<1.0	<1.0	<1.0	<1.0	1.0

<u>Surrogates</u>					<u>%REC Limits</u>
4-Bromofluorobenzene	98%	97%	97%	98%	80-129
Dibromofluoromethane	98%	99%	97%	99%	68-137
Toluene-d8	94%	93%	93%	94%	83-134

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333197
Date Received: 11/06/19
Date Reported: 11/26/19
Units: ug/L

	11/05/19	11/05/19	11/05/19	
Date Sampled:	11/05/19	11/05/19	11/05/19	
Date Prepared:	11/13/19	11/13/19	11/13/19	
Date Analyzed:	11/13/19	11/13/19	11/13/19	
AA ID No:	9K06024-11	9K06024-12	9K06024-13	
Client ID No:	DUP-5	MW-26	MW-27	
Matrix:	Water	Water	Water	
Dilution Factor:	1	1	1	MRL

8260B+OXYGENATES (EPA 8260B)

	<10	14	15	10
Acetone	<10	14	15	10
tert-Amyl-Methyl Ether (TAME)	<2.0	<2.0	<2.0	2.0
Benzene	<0.50	<0.50	<0.50	0.50
Bromobenzene	<0.50	<0.50	<0.50	0.50
Bromochloromethane	<0.50	<0.50	<0.50	0.50
Bromodichloromethane	<0.50	<0.50	<0.50	0.50
Bromoform	<0.50	<0.50	<0.50	0.50
Bromomethane	<0.50	<0.50	<0.50	0.50
2-Butanone (MEK)	<10	<10	<10	10
tert-Butyl Alcohol (TBA)	11	<10	<10	10
sec-Butylbenzene	<0.50	<0.50	<0.50	0.50
tert-Butylbenzene	<0.50	<0.50	<0.50	0.50
n-Butylbenzene	<0.50	<0.50	<0.50	0.50
Carbon Disulfide	<0.50	<0.50	<0.50	0.50
Carbon Tetrachloride	<0.50	<0.50	<0.50	0.50
Chlorobenzene	<0.50	<0.50	<0.50	0.50
Chloroethane	<0.50	<0.50	<0.50	0.50
Chloroform	<0.50	<0.50	<0.50	0.50
Chloromethane	<0.50	<0.50	<0.50	0.50
2-Chlorotoluene	<0.50	<0.50	<0.50	0.50
4-Chlorotoluene	<0.50	<0.50	<0.50	0.50
1,2-Dibromo-3-chloropropane	<1.0	<1.0	<1.0	1.0
Dibromochloromethane	<0.50	<0.50	<0.50	0.50
1,2-Dibromoethane (EDB)	<0.50	<0.50	<0.50	0.50
Dibromomethane	<0.50	<0.50	<0.50	0.50
1,3-Dichlorobenzene	<0.50	<0.50	<0.50	0.50
1,2-Dichlorobenzene	<0.50	<0.50	<0.50	0.50

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333197
Date Received: 11/06/19
Date Reported: 11/26/19
Units: ug/L

	11/05/19	11/05/19	11/05/19	
Date Sampled:	11/05/19	11/05/19	11/05/19	
Date Prepared:	11/13/19	11/13/19	11/13/19	
Date Analyzed:	11/13/19	11/13/19	11/13/19	
AA ID No:	9K06024-11	9K06024-12	9K06024-13	
Client ID No:	DUP-5	MW-26	MW-27	
Matrix:	Water	Water	Water	
Dilution Factor:	1	1	1	MRL

8260B+OXYGENATES (EPA 8260B) (continued)

1,4-Dichlorobenzene	<0.50	<0.50	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethane	<0.50	<0.50	<0.50	0.50
1,2-Dichloroethane (EDC)	2.7	<0.50	<0.50	0.50
1,1-Dichloroethylene	<0.50	<0.50	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	<0.50	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	<0.50	<0.50	0.50
1,2-Dichloropropane	<0.50	<0.50	<0.50	0.50
2,2-Dichloropropane	<0.50	<0.50	<0.50	0.50
1,3-Dichloropropane	<0.50	<0.50	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	<0.50	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	<0.50	<0.50	0.50
1,1-Dichloropropylene	<0.50	<0.50	<0.50	0.50
Diisopropyl ether (DIPE)	2.0	<2.0	<2.0	2.0
Ethylbenzene	<0.50	<0.50	<0.50	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	<2.0	<2.0	2.0
Hexachlorobutadiene	<1.0	<1.0	<1.0	1.0
2-Hexanone (MBK)	<10	<10	<10	10
Isopropylbenzene	<0.50	<0.50	<0.50	0.50
4-Isopropyltoluene	<1.0	<1.0	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	6.3	<1.2	1.4	1.2
Methylene Chloride	<5.0	<5.0	<5.0	5.0
4-Methyl-2-pentanone (MIBK)	<10	<10	<10	10
Naphthalene	<2.0	<2.0	<2.0	2.0
n-Propylbenzene	<0.50	<0.50	<0.50	0.50
Styrene	<0.50	<0.50	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	<0.50	<0.50	0.50

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333197
Date Received: 11/06/19
Date Reported: 11/26/19
Units: ug/L

	11/05/19	11/05/19	11/05/19	
Date Sampled:	11/05/19	11/05/19	11/05/19	
Date Prepared:	11/13/19	11/13/19	11/13/19	
Date Analyzed:	11/13/19	11/13/19	11/13/19	
AA ID No:	9K06024-11	9K06024-12	9K06024-13	
Client ID No:	DUP-5	MW-26	MW-27	
Matrix:	Water	Water	Water	
Dilution Factor:	1	1	1	MRL

8260B+OXYGENATES (EPA 8260B) (continued)

1,1,2,2-Tetrachloroethane	<0.50	<0.50	<0.50	0.50
Tetrachloroethylene (PCE)	<0.50	<0.50	<0.50	0.50
Toluene	<0.50	<0.50	<0.50	0.50
1,2,3-Trichlorobenzene	<0.50	<0.50	<0.50	0.50
1,2,4-Trichlorobenzene	<0.50	<0.50	<0.50	0.50
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloroethane	<0.50	<0.50	<0.50	0.50
Trichloroethylene (TCE)	<0.50	<0.50	<0.50	0.50
Trichlorofluoromethane (R11)	<0.50	<0.50	<0.50	0.50
1,2,3-Trichloropropane	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	<0.50	<0.50	0.50
1,3,5-Trimethylbenzene	<0.50	<0.50	<0.50	0.50
1,2,4-Trimethylbenzene	<0.50	<0.50	<0.50	0.50
Vinyl chloride	<0.50	<0.50	<0.50	0.50
o-Xylene	<0.50	<0.50	<0.50	0.50
m,p-Xylenes	<1.0	<1.0	<1.0	1.0

<u>Surrogates</u>				<u>%REC Limits</u>
4-Bromofluorobenzene	99%	99%	100%	80-129
Dibromofluoromethane	99%	99%	98%	68-137
Toluene-d8	94%	93%	95%	83-134

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: Diesel Range Organics by GC/FID

AA Project No: A5333197
Date Received: 11/06/19
Date Reported: 11/26/19
Units: mg/L

Date Sampled:	11/05/19	11/05/19	11/05/19	11/05/19	
Date Prepared:	11/12/19	11/12/19	11/12/19	11/12/19	
Date Analyzed:	11/15/19	11/15/19	11/15/19	11/15/19	
AA ID No:	9K06024-03	9K06024-04	9K06024-05	9K06024-06	
Client ID No:	TF-8	GW-6	GMW-16	GW-8	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

Diesel Range Organics 8015M (EPA 8015M)

Diesel Range Organics as Diesel	0.33	<0.10	0.21	<0.10	0.10
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Surrogates

o-Terphenyl	120%	144%	143%	145%	<u>%REC Limits</u> 50-150
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Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: Diesel Range Organics by GC/FID

AA Project No: A5333197
Date Received: 11/06/19
Date Reported: 11/26/19
Units: mg/L

Date Sampled:	11/05/19	11/05/19	11/05/19	11/05/19	
Date Prepared:	11/12/19	11/12/19	11/12/19	11/12/19	
Date Analyzed:	11/15/19	11/15/19	11/15/19	11/15/19	
AA ID No:	9K06024-07	9K06024-08	9K06024-09	9K06024-10	
Client ID No:	MW-24	GW-2	GW-13	MW-22 (MID)	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

Diesel Range Organics 8015M (EPA 8015M)

Diesel Range Organics as Diesel	1.3	0.24	0.43	<0.10	0.10
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<u>Surrogates</u>					<u>%REC Limits</u>
o-Terphenyl	144%	148%	164%	149%	50-150

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: Diesel Range Organics by GC/FID

AA Project No: A5333197
Date Received: 11/06/19
Date Reported: 11/26/19
Units: mg/L

Date Sampled:	11/05/19	11/05/19	11/05/19	
Date Prepared:	11/12/19	11/12/19	11/12/19	
Date Analyzed:	11/15/19	11/15/19	11/15/19	
AA ID No:	9K06024-11	9K06024-12	9K06024-13	
Client ID No:	DUP-5	MW-26	MW-27	
Matrix:	Water	Water	Water	
Dilution Factor:	1	1	1	MRL

Diesel Range Organics 8015M (EPA 8015M)

Diesel Range Organics as Diesel	<0.10	<0.10	0.13	0.10
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<u>Surrogates</u>				<u>%REC Limits</u>
o-Terphenyl	129%	135%	145%	50-150

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: Gasoline Range Organics by GC/FID

AA Project No: A5333197
Date Received: 11/06/19
Date Reported: 11/26/19
Units: ug/L

Date Sampled:	11/05/19	11/05/19	11/05/19	11/05/19	
Date Prepared:	11/12/19	11/12/19	11/12/19	11/12/19	
Date Analyzed:	11/12/19	11/12/19	11/12/19	11/12/19	
AA ID No:	9K06024-03	9K06024-04	9K06024-05	9K06024-06	
Client ID No:	TF-8	GW-6	GMW-16	GW-8	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

Gasoline Range Organics 8015M (EPA 8015M)

Gasoline Range Organics (GRO)	<100	<100	<100	<100	100
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Surrogates

a,a,a-Trifluorotoluene	91%	97%	99%	98%	<u>%REC Limits</u> 80-120
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LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: Gasoline Range Organics by GC/FID

AA Project No: A5333197
Date Received: 11/06/19
Date Reported: 11/26/19
Units: ug/L

Date Sampled:	11/05/19	11/05/19	11/05/19	11/05/19	
Date Prepared:	11/12/19	11/12/19	11/12/19	11/12/19	
Date Analyzed:	11/12/19	11/12/19	11/12/19	11/12/19	
AA ID No:	9K06024-07	9K06024-08	9K06024-09	9K06024-10	
Client ID No:	MW-24	GW-2	GW-13	MW-22 (MID)	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

Gasoline Range Organics 8015M (EPA 8015M)

Gasoline Range Organics (GRO)	<100	<100	<100	<100	100
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Surrogates

a,a,a-Trifluorotoluene	99%	91%	96%	97%	<u>%REC Limits</u> 80-120
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 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: Gasoline Range Organics by GC/FID

AA Project No: A5333197
Date Received: 11/06/19
Date Reported: 11/26/19
Units: ug/L

Date Sampled:	11/05/19	11/05/19	11/05/19	
Date Prepared:	11/12/19	11/12/19	11/12/19	
Date Analyzed:	11/12/19	11/12/19	11/12/19	
AA ID No:	9K06024-11	9K06024-12	9K06024-13	
Client ID No:	DUP-5	MW-26	MW-27	
Matrix:	Water	Water	Water	
Dilution Factor:	1	1	1	MRL

Gasoline Range Organics 8015M (EPA 8015M)

Gasoline Range Organics (GRO)	<100	<100	<100	100
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Surrogates

a,a,a-Trifluorotoluene	102%	98%	100%	<u>%REC Limits</u> 80-120
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 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333197
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Notes
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VOCs, OXY & TPH Gasoline by GC/MS - Quality Control

Batch B9K1325 - EPA 5030B

Blank (B9K1325-BLK1)

Prepared & Analyzed: 11/13/19

Acetone	<10	10	ug/L							
tert-Amyl-Methyl Ether (TAME)	<2.0	2.0	ug/L							
Benzene	<0.50	0.50	ug/L							
Bromobenzene	<0.50	0.50	ug/L							
Bromochloromethane	<0.50	0.50	ug/L							
Bromodichloromethane	<0.50	0.50	ug/L							
Bromoform	<0.50	0.50	ug/L							
Bromomethane	<0.50	0.50	ug/L							
2-Butanone (MEK)	<10	10	ug/L							
tert-Butyl Alcohol (TBA)	<10	10	ug/L							
sec-Butylbenzene	<0.50	0.50	ug/L							
tert-Butylbenzene	<0.50	0.50	ug/L							
n-Butylbenzene	<0.50	0.50	ug/L							
Carbon Disulfide	<0.50	0.50	ug/L							
Carbon Tetrachloride	<0.50	0.50	ug/L							
Chlorobenzene	<0.50	0.50	ug/L							
Chloroethane	<0.50	0.50	ug/L							
Chloroform	<0.50	0.50	ug/L							
Chloromethane	<0.50	0.50	ug/L							
2-Chlorotoluene	<0.50	0.50	ug/L							
4-Chlorotoluene	<0.50	0.50	ug/L							
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L							
Dibromochloromethane	<0.50	0.50	ug/L							
1,2-Dibromoethane (EDB)	<0.50	0.50	ug/L							
Dibromomethane	<0.50	0.50	ug/L							
1,3-Dichlorobenzene	<0.50	0.50	ug/L							
1,2-Dichlorobenzene	<0.50	0.50	ug/L							
1,4-Dichlorobenzene	<0.50	0.50	ug/L							
Dichlorodifluoromethane (R12)	<0.50	0.50	ug/L							
1,1-Dichloroethane	<0.50	0.50	ug/L							
1,2-Dichloroethane (EDC)	<0.50	0.50	ug/L							
1,1-Dichloroethylene	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333197
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K1325 - EPA 5030B</i>										
Blank (B9K1325-BLK1) Continued										
Prepared & Analyzed: 11/13/19										
trans-1,2-Dichloroethylene	<0.50	0.50	ug/L							
cis-1,2-Dichloroethylene	<0.50	0.50	ug/L							
1,2-Dichloropropane	<0.50	0.50	ug/L							
2,2-Dichloropropane	<0.50	0.50	ug/L							
1,3-Dichloropropane	<0.50	0.50	ug/L							
cis-1,3-Dichloropropylene	<0.50	0.50	ug/L							
trans-1,3-Dichloropropylene	<0.50	0.50	ug/L							
1,1-Dichloropropylene	<0.50	0.50	ug/L							
Diisopropyl ether (DIPE)	<2.0	2.0	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Ethyl-tert-Butyl Ether (ETBE)	<2.0	2.0	ug/L							
Gasoline Range Organics (GRO)	<100	100	ug/L							
Hexachlorobutadiene	<1.0	1.0	ug/L							
2-Hexanone (MBK)	<10	10	ug/L							
Isopropylbenzene	<0.50	0.50	ug/L							
4-Isopropyltoluene	<1.0	1.0	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<1.2	1.2	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
4-Methyl-2-pentanone (MIBK)	<10	10	ug/L							
Naphthalene	<2.0	2.0	ug/L							
n-Propylbenzene	<0.50	0.50	ug/L							
Styrene	<0.50	0.50	ug/L							
1,1,1,2-Tetrachloroethane	<0.50	0.50	ug/L							
1,1,2,2-Tetrachloroethane	<0.50	0.50	ug/L							
Tetrachloroethylene (PCE)	<0.50	0.50	ug/L							
Toluene	<0.50	0.50	ug/L							
1,2,3-Trichlorobenzene	<0.50	0.50	ug/L							
1,2,4-Trichlorobenzene	<0.50	0.50	ug/L							
1,1,1-Trichloroethane	<0.50	0.50	ug/L							
1,1,2-Trichloroethane	<0.50	0.50	ug/L							
Trichloroethylene (TCE)	<0.50	0.50	ug/L							
Trichlorofluoromethane (R11)	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333197
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K1325 - EPA 5030B</i>										
Blank (B9K1325-BLK1) Continued					Prepared & Analyzed: 11/13/19					
1,2,3-Trichloropropane	<0.50	0.50	ug/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	0.50	ug/L							
1,3,5-Trimethylbenzene	<0.50	0.50	ug/L							
1,2,4-Trimethylbenzene	<0.50	0.50	ug/L							
Vinyl chloride	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>46.3</i>		<i>ug/L</i>	<i>50</i>		<i>92.6</i>	<i>80-129</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>44.4</i>		<i>ug/L</i>	<i>50</i>		<i>88.9</i>	<i>68-137</i>			
<i>Surrogate: Toluene-d8</i>	<i>45.5</i>		<i>ug/L</i>	<i>50</i>		<i>91.0</i>	<i>83-134</i>			
LCS (B9K1325-BS1)					Prepared & Analyzed: 11/13/19					
Acetone	19.9	10	ug/L	20		99.5	27-123			
tert-Amyl-Methyl Ether (TAME)	18.8	2.0	ug/L	20		93.8	58-133			
Benzene	19.3	0.50	ug/L	20		96.4	60-134			
Bromobenzene	22.8	0.50	ug/L	20		114	70-130			
Bromochloromethane	20.5	0.50	ug/L	20		102	78-121			
Bromodichloromethane	18.9	0.50	ug/L	20		94.6	74-135			
Bromoform	21.5	0.50	ug/L	20		107	68-132			
Bromomethane	21.4	0.50	ug/L	20		107	58-142			
2-Butanone (MEK)	19.2	10	ug/L	20		95.8	62-138			
tert-Butyl Alcohol (TBA)	90.4	10	ug/L	100		90.4	65-148			
sec-Butylbenzene	20.9	0.50	ug/L	20		104	84-142			
tert-Butylbenzene	22.0	0.50	ug/L	20		110	70-130			
n-Butylbenzene	20.9	0.50	ug/L	20		104	70-130			
Carbon Disulfide	16.1	0.50	ug/L	20		80.4	17-177			
Carbon Tetrachloride	19.4	0.50	ug/L	20		97.0	66-155			
Chlorobenzene	21.8	0.50	ug/L	20		109	70-130			
Chloroethane	22.1	0.50	ug/L	20		111	45-166			
Chloroform	18.2	0.50	ug/L	20		91.2	71-131			
Chloromethane	16.9	0.50	ug/L	20		84.6	48-152			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333197
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K1325 - EPA 5030B</i>										
LCS (B9K1325-BS1) Continued										
Prepared & Analyzed: 11/13/19										
2-Chlorotoluene	20.9	0.50	ug/L	20		104	70-130			
4-Chlorotoluene	21.2	0.50	ug/L	20		106	70-130			
1,2-Dibromo-3-chloropropane	20.1	1.0	ug/L	20		100	53-145			
Dibromochloromethane	22.8	0.50	ug/L	20		114	72-133			
1,2-Dibromoethane (EDB)	22.2	0.50	ug/L	20		111	79-120			
Dibromomethane	19.5	0.50	ug/L	20		97.5	68-124			
1,3-Dichlorobenzene	22.1	0.50	ug/L	20		110	70-130			
1,2-Dichlorobenzene	22.6	0.50	ug/L	20		113	70-130			
1,4-Dichlorobenzene	22.0	0.50	ug/L	20		110	70-130			
Dichlorodifluoromethane (R12)	11.5	0.50	ug/L	20		57.5	16-148			
1,1-Dichloroethane	17.0	0.50	ug/L	20		85.2	67-120			
1,2-Dichloroethane (EDC)	16.7	0.50	ug/L	20		83.3	57-156			
1,1-Dichloroethylene	17.4	0.50	ug/L	20		87.1	50-149			
trans-1,2-Dichloroethylene	19.2	0.50	ug/L	20		95.8	66-126			
cis-1,2-Dichloroethylene	19.6	0.50	ug/L	20		98.0	70-124			
1,2-Dichloropropane	18.9	0.50	ug/L	20		94.5	53-139			
2,2-Dichloropropane	17.6	0.50	ug/L	20		87.8	44-162			
1,3-Dichloropropane	20.4	0.50	ug/L	20		102	79-113			
cis-1,3-Dichloropropylene	19.8	0.50	ug/L	20		99.2	67-127			
trans-1,3-Dichloropropylene	20.6	0.50	ug/L	20		103	76-121			
1,1-Dichloropropylene	19.0	0.50	ug/L	20		95.2	84-124			
Diisopropyl ether (DIPE)	18.0	2.0	ug/L	20		90.0	51-136			
Ethylbenzene	21.7	0.50	ug/L	20		108	86-124			
Ethyl-tert-Butyl Ether (ETBE)	18.2	2.0	ug/L	20		90.8	62-136			
Gasoline Range Organics (GRO)	533	100	ug/L	500		107	60-123			
Hexachlorobutadiene	22.7	1.0	ug/L	20		113	76-140			
2-Hexanone (MBK)	18.7	10	ug/L	20		93.5	52-123			
Isopropylbenzene	22.2	0.50	ug/L	20		111	70-130			
4-Isopropyltoluene	22.3	1.0	ug/L	20		112	70-130			
Methyl-tert-Butyl Ether (MTBE)	37.2	1.2	ug/L	40		93.1	58-144			
Methylene Chloride	16.5	5.0	ug/L	20		82.5	50-135			
4-Methyl-2-pentanone (MIBK)	21.0	10	ug/L	20		105	49-139			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333197
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K1325 - EPA 5030B</i>										
LCS (B9K1325-BS1) Continued										
Prepared & Analyzed: 11/13/19										
Naphthalene	24.7	2.0	ug/L	20		124	74-128			
n-Propylbenzene	20.8	0.50	ug/L	20		104	70-130			
Styrene	22.2	0.50	ug/L	20		111	84-123			
1,1,1,2-Tetrachloroethane	22.5	0.50	ug/L	20		113	70-130			
1,1,2,2-Tetrachloroethane	20.0	0.50	ug/L	20		100	58-126			
Tetrachloroethylene (PCE)	22.2	0.50	ug/L	20		111	70-130			
Toluene	20.5	0.50	ug/L	20		103	83-118			
1,2,3-Trichlorobenzene	22.4	0.50	ug/L	20		112	77-134			
1,2,4-Trichlorobenzene	23.2	0.50	ug/L	20		116	84-128			
1,1,1-Trichloroethane	19.0	0.50	ug/L	20		95.1	66-158			
1,1,2-Trichloroethane	21.5	0.50	ug/L	20		107	75-115			
Trichloroethylene (TCE)	19.8	0.50	ug/L	20		99.0	82-128			
Trichlorofluoromethane (R11)	16.1	0.50	ug/L	20		80.5	65-137			
1,2,3-Trichloropropane	20.3	0.50	ug/L	20		102	68-123			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	15.3	0.50	ug/L	20		76.5	62-130			
1,3,5-Trimethylbenzene	21.7	0.50	ug/L	20		108	70-130			
1,2,4-Trimethylbenzene	22.0	0.50	ug/L	20		110	70-130			
Vinyl chloride	18.5	0.50	ug/L	20		92.6	51-151			
o-Xylene	21.2	0.50	ug/L	20		106	70-130			
m,p-Xylenes	43.2	1.0	ug/L	40		108	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	44.2		ug/L	50		88.3	80-129			
<i>Surrogate: Dibromofluoromethane</i>	41.6		ug/L	50		83.2	68-137			
<i>Surrogate: Toluene-d8</i>	44.8		ug/L	50		89.7	83-134			
LCS Dup (B9K1325-BSD1)										
Prepared & Analyzed: 11/13/19										
Acetone	14.2	10	ug/L	20		70.8	27-123	33.6	30	QR-02
tert-Amyl-Methyl Ether (TAME)	16.5	2.0	ug/L	20		82.6	58-133	12.8	30	
Benzene	18.3	0.50	ug/L	20		91.7	60-134	5.00	30	
Bromobenzene	22.4	0.50	ug/L	20		112	70-130	1.68	30	
Bromochloromethane	20.0	0.50	ug/L	20		99.9	78-121	2.52	30	
Bromodichloromethane	17.8	0.50	ug/L	20		89.2	74-135	5.82	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333197
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K1325 - EPA 5030B</i>										
LCS Dup (B9K1325-BSD1) Continued										
Prepared & Analyzed: 11/13/19										
Bromoform	19.9	0.50	ug/L	20		99.6	68-132	7.53	30	
Bromomethane	20.4	0.50	ug/L	20		102	58-142	4.69	30	
2-Butanone (MEK)	17.8	10	ug/L	20		88.8	62-138	7.53	30	
tert-Butyl Alcohol (TBA)	90.1	10	ug/L	100		90.1	65-148	0.355	30	
sec-Butylbenzene	21.1	0.50	ug/L	20		105	84-142	0.906	30	
tert-Butylbenzene	22.3	0.50	ug/L	20		112	70-130	1.40	30	
n-Butylbenzene	20.7	0.50	ug/L	20		104	70-130	0.913	30	
Carbon Disulfide	15.2	0.50	ug/L	20		76.2	17-177	5.36	30	
Carbon Tetrachloride	19.1	0.50	ug/L	20		95.5	66-155	1.51	30	
Chlorobenzene	21.9	0.50	ug/L	20		109	70-130	0.183	30	
Chloroethane	20.3	0.50	ug/L	20		102	45-166	8.48	30	
Chloroform	17.5	0.50	ug/L	20		87.6	71-131	4.03	30	
Chloromethane	16.1	0.50	ug/L	20		80.4	48-152	5.03	30	
2-Chlorotoluene	21.0	0.50	ug/L	20		105	70-130	0.525	30	
4-Chlorotoluene	21.0	0.50	ug/L	20		105	70-130	0.851	30	
1,2-Dibromo-3-chloropropane	16.8	1.0	ug/L	20		84.0	53-145	17.7	30	
Dibromochloromethane	21.6	0.50	ug/L	20		108	72-133	5.35	30	
1,2-Dibromoethane (EDB)	20.7	0.50	ug/L	20		104	79-120	6.81	30	
Dibromomethane	18.4	0.50	ug/L	20		91.8	68-124	6.02	30	
1,3-Dichlorobenzene	21.9	0.50	ug/L	20		109	70-130	1.00	30	
1,2-Dichlorobenzene	22.1	0.50	ug/L	20		111	70-130	2.28	30	
1,4-Dichlorobenzene	21.6	0.50	ug/L	20		108	70-130	1.51	30	
Dichlorodifluoromethane (R12)	10.9	0.50	ug/L	20		54.5	16-148	5.36	30	
1,1-Dichloroethane	16.2	0.50	ug/L	20		81.0	67-120	5.05	30	
1,2-Dichloroethane (EDC)	15.7	0.50	ug/L	20		78.7	57-156	5.68	30	
1,1-Dichloroethylene	16.9	0.50	ug/L	20		84.6	50-149	2.97	30	
trans-1,2-Dichloroethylene	18.4	0.50	ug/L	20		92.0	66-126	4.15	30	
cis-1,2-Dichloroethylene	19.2	0.50	ug/L	20		96.2	70-124	1.75	30	
1,2-Dichloropropane	17.4	0.50	ug/L	20		87.1	53-139	8.15	30	
2,2-Dichloropropane	14.5	0.50	ug/L	20		72.6	44-162	19.1	30	
1,3-Dichloropropane	19.0	0.50	ug/L	20		95.2	79-113	6.94	30	
cis-1,3-Dichloropropylene	17.6	0.50	ug/L	20		88.2	67-127	11.6	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333197
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K1325 - EPA 5030B</i>										
LCS Dup (B9K1325-BSD1) Continued										
Prepared & Analyzed: 11/13/19										
trans-1,3-Dichloropropylene	19.2	0.50	ug/L	20		95.9	76-121	7.33	30	
1,1-Dichloropropylene	18.2	0.50	ug/L	20		91.2	84-124	4.29	30	
Diisopropyl ether (DIPE)	16.2	2.0	ug/L	20		81.1	51-136	10.4	30	
Ethylbenzene	21.9	0.50	ug/L	20		109	86-124	0.873	30	
Ethyl-tert-Butyl Ether (ETBE)	16.1	2.0	ug/L	20		80.5	62-136	12.0	30	
Gasoline Range Organics (GRO)	510	100	ug/L	500		102	60-123	4.45	30	
Hexachlorobutadiene	22.7	1.0	ug/L	20		113	76-140	0.0441	30	
2-Hexanone (MBK)	15.0	10	ug/L	20		75.0	52-123	21.9	30	
Isopropylbenzene	22.6	0.50	ug/L	20		113	70-130	2.05	30	
4-Isopropyltoluene	22.6	1.0	ug/L	20		113	70-130	1.29	30	
Methyl-tert-Butyl Ether (MTBE)	32.4	1.2	ug/L	40		81.1	58-144	13.7	30	
Methylene Chloride	15.4	5.0	ug/L	20		77.2	50-135	6.64	30	
4-Methyl-2-pentanone (MIBK)	17.0	10	ug/L	20		84.9	49-139	21.4	30	
Naphthalene	21.2	2.0	ug/L	20		106	74-128	15.3	30	
n-Propylbenzene	20.9	0.50	ug/L	20		105	70-130	0.431	30	
Styrene	22.1	0.50	ug/L	20		111	84-123	0.496	30	
1,1,1,2-Tetrachloroethane	22.4	0.50	ug/L	20		112	70-130	0.267	30	
1,1,2,2-Tetrachloroethane	17.7	0.50	ug/L	20		88.4	58-126	12.3	30	
Tetrachloroethylene (PCE)	23.1	0.50	ug/L	20		115	70-130	3.89	30	
Toluene	20.8	0.50	ug/L	20		104	83-118	1.55	30	
1,2,3-Trichlorobenzene	20.5	0.50	ug/L	20		102	77-134	9.23	30	
1,2,4-Trichlorobenzene	21.7	0.50	ug/L	20		108	84-128	6.73	30	
1,1,1-Trichloroethane	18.4	0.50	ug/L	20		92.2	66-158	3.15	30	
1,1,2-Trichloroethane	19.6	0.50	ug/L	20		98.2	75-115	8.85	30	
Trichloroethylene (TCE)	18.8	0.50	ug/L	20		94.2	82-128	4.97	30	
Trichlorofluoromethane (R11)	16.2	0.50	ug/L	20		81.0	65-137	0.557	30	
1,2,3-Trichloropropane	17.3	0.50	ug/L	20		86.4	68-123	16.2	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	15.1	0.50	ug/L	20		75.5	62-130	1.32	30	
1,3,5-Trimethylbenzene	22.0	0.50	ug/L	20		110	70-130	1.51	30	
1,2,4-Trimethylbenzene	22.2	0.50	ug/L	20		111	70-130	0.907	30	
Vinyl chloride	18.7	0.50	ug/L	20		93.6	51-151	1.18	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333197
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K1325 - EPA 5030B</i>										
LCS Dup (B9K1325-BSD1) Continued					Prepared & Analyzed: 11/13/19					
o-Xylene	21.3	0.50	ug/L	20		107	70-130	0.612	30	
m,p-Xylenes	43.6	1.0	ug/L	40		109	70-130	1.01	30	
<i>Surrogate: 4-Bromofluorobenzene</i>	43.9		ug/L	50		87.7	80-129			
<i>Surrogate: Dibromofluoromethane</i>	40.7		ug/L	50		81.4	68-137			
<i>Surrogate: Toluene-d8</i>	45.6		ug/L	50		91.1	83-134			
Matrix Spike (B9K1325-MS1)					Source: 9K06024-13 Prepared & Analyzed: 11/13/19					
Acetone	27.5	10	ug/L	20	15.2	61.8	11-169			
tert-Amyl-Methyl Ether (TAME)	18.1	2.0	ug/L	20		90.4	66-133			
Benzene	19.2	0.50	ug/L	20		96.2	56-135			
Bromobenzene	22.4	0.50	ug/L	20		112	70-130			
Bromochloromethane	20.4	0.50	ug/L	20		102	74-125			
Bromodichloromethane	19.0	0.50	ug/L	20		94.9	68-144			
Bromoform	20.0	0.50	ug/L	20		100	68-151			
Bromomethane	18.7	0.50	ug/L	20		93.3	54-142			
2-Butanone (MEK)	16.5	10	ug/L	20		82.4	62-145			
tert-Butyl Alcohol (TBA)	95.2	10	ug/L	100	7.64	87.6	73-162			
sec-Butylbenzene	20.8	0.50	ug/L	20		104	84-145			
tert-Butylbenzene	22.3	0.50	ug/L	20		111	70-130			
n-Butylbenzene	20.7	0.50	ug/L	20		103	70-130			
Carbon Disulfide	15.8	0.50	ug/L	20		79.1	28-151			
Carbon Tetrachloride	19.5	0.50	ug/L	20		97.7	58-164			
Chlorobenzene	21.8	0.50	ug/L	20		109	70-130			
Chloroethane	20.5	0.50	ug/L	20		103	42-164			
Chloroform	18.1	0.50	ug/L	20		90.7	65-138			
Chloromethane	16.0	0.50	ug/L	20		80.0	50-152			
2-Chlorotoluene	20.8	0.50	ug/L	20		104	70-130			
4-Chlorotoluene	20.9	0.50	ug/L	20		105	70-130			
1,2-Dibromo-3-chloropropane	18.4	1.0	ug/L	20		92.0	53-161			
Dibromochloromethane	21.7	0.50	ug/L	20		108	70-130			
1,2-Dibromoethane (EDB)	21.4	0.50	ug/L	20		107	76-130			
Dibromomethane	19.1	0.50	ug/L	20		95.7	62-135			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333197
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K1325 - EPA 5030B</i>										
Matrix Spike (B9K1325-MS1) Continued Source: 9K06024-13 Prepared & Analyzed: 11/13/19										
1,3-Dichlorobenzene	21.8	0.50	ug/L	20		109	70-130			
1,2-Dichlorobenzene	22.1	0.50	ug/L	20		110	70-130			
1,4-Dichlorobenzene	21.4	0.50	ug/L	20		107	70-130			
Dichlorodifluoromethane (R12)	10.4	0.50	ug/L	20		52.0	17-153			
1,1-Dichloroethane	16.5	0.50	ug/L	20		82.6	55-131			
1,2-Dichloroethane (EDC)	16.3	0.50	ug/L	20		81.4	52-168			
1,1-Dichloroethylene	17.3	0.50	ug/L	20		86.7	51-140			
trans-1,2-Dichloroethylene	18.8	0.50	ug/L	20		93.8	59-127			
cis-1,2-Dichloroethylene	19.8	0.50	ug/L	20		98.8	70-130			
1,2-Dichloropropane	18.6	0.50	ug/L	20		93.2	52-142			
2,2-Dichloropropane	15.7	0.50	ug/L	20		78.4	36-168			
1,3-Dichloropropane	19.5	0.50	ug/L	20		97.4	80-121			
cis-1,3-Dichloropropylene	18.8	0.50	ug/L	20		94.2	66-130			
trans-1,3-Dichloropropylene	19.7	0.50	ug/L	20		98.5	78-130			
1,1-Dichloropropylene	19.0	0.50	ug/L	20		94.8	76-132			
Diisopropyl ether (DIPE)	17.7	2.0	ug/L	20		88.6	52-138			
Ethylbenzene	21.8	0.50	ug/L	20		109	86-128			
Ethyl-tert-Butyl Ether (ETBE)	17.7	2.0	ug/L	20		88.4	64-137			
Hexachlorobutadiene	21.9	1.0	ug/L	20		110	70-130			
2-Hexanone (MBK)	16.9	10	ug/L	20		84.6	52-141			
Isopropylbenzene	22.4	0.50	ug/L	20		112	70-130			
4-Isopropyltoluene	22.1	1.0	ug/L	20		111	83-149			
Methyl-tert-Butyl Ether (MTBE)	36.7	1.2	ug/L	40		91.7	56-150			
Methylene Chloride	16.4	5.0	ug/L	20		82.0	70-130			
4-Methyl-2-pentanone (MIBK)	18.5	10	ug/L	20		92.6	60-148			
Naphthalene	27.7	2.0	ug/L	20		138	70-130			QM-07
n-Propylbenzene	20.8	0.50	ug/L	20		104	70-130			
Styrene	21.8	0.50	ug/L	20		109	65-141			
1,1,1,2-Tetrachloroethane	22.2	0.50	ug/L	20		111	70-130			
1,1,2,2-Tetrachloroethane	19.1	0.50	ug/L	20		95.6	62-134			
Tetrachloroethylene (PCE)	22.0	0.50	ug/L	20		110	70-130			
Toluene	20.6	0.50	ug/L	20		103	81-123			

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333197
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K1325 - EPA 5030B</i>										
Matrix Spike (B9K1325-MS1) Continued Source: 9K06024-13 Prepared & Analyzed: 11/13/19										
1,2,3-Trichlorobenzene	21.3	0.50	ug/L	20		107	73-144			
1,2,4-Trichlorobenzene	22.0	0.50	ug/L	20		110	80-137			
1,1,1-Trichloroethane	19.0	0.50	ug/L	20		95.2	62-164			
1,1,2-Trichloroethane	20.4	0.50	ug/L	20		102	76-122			
Trichloroethylene (TCE)	19.3	0.50	ug/L	20		96.5	72-136			
Trichlorofluoromethane (R11)	17.3	0.50	ug/L	20		86.6	59-144			
1,2,3-Trichloropropane	18.5	0.50	ug/L	20		92.6	69-135			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	16.2	0.50	ug/L	20		80.8	62-126			
1,3,5-Trimethylbenzene	21.6	0.50	ug/L	20		108	70-130			
1,2,4-Trimethylbenzene	21.9	0.50	ug/L	20		109	89-134			
Vinyl chloride	17.7	0.50	ug/L	20		88.6	54-150			
o-Xylene	20.9	0.50	ug/L	20		104	70-130			
m,p-Xylenes	43.2	1.0	ug/L	40		108	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>44.5</i>		<i>ug/L</i>	<i>50</i>		<i>89.0</i>	<i>80-129</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>41.5</i>		<i>ug/L</i>	<i>50</i>		<i>83.0</i>	<i>68-137</i>			
<i>Surrogate: Toluene-d8</i>	<i>45.4</i>		<i>ug/L</i>	<i>50</i>		<i>90.8</i>	<i>83-134</i>			
Matrix Spike Dup (B9K1325-MSD1) Source: 9K06024-13 Prepared & Analyzed: 11/13/19										
Acetone	24.4	10	ug/L	20	15.2	46.0	11-169	12.1	30	
tert-Amyl-Methyl Ether (TAME)	17.3	2.0	ug/L	20		86.3	66-133	4.64	30	
Benzene	18.7	0.50	ug/L	20		93.4	56-135	2.90	30	
Bromobenzene	22.8	0.50	ug/L	20		114	70-130	2.03	30	
Bromochloromethane	20.1	0.50	ug/L	20		101	74-125	1.43	30	
Bromodichloromethane	18.3	0.50	ug/L	20		91.7	68-144	3.43	30	
Bromoform	20.8	0.50	ug/L	20		104	68-151	4.16	30	
Bromomethane	21.0	0.50	ug/L	20		105	54-142	11.9	30	
2-Butanone (MEK)	16.6	10	ug/L	20		82.8	62-145	0.424	30	
tert-Butyl Alcohol (TBA)	92.1	10	ug/L	100	7.64	84.5	73-162	3.31	30	
sec-Butylbenzene	21.2	0.50	ug/L	20		106	84-145	1.71	30	
tert-Butylbenzene	22.6	0.50	ug/L	20		113	70-130	1.69	30	
n-Butylbenzene	21.1	0.50	ug/L	20		106	70-130	2.01	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333197
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K1325 - EPA 5030B</i>										
Matrix Spike Dup (B9K1325-MSD1) Source: 9K06024-13 Prepared & Analyzed: 11/13/19										
Continued										
Carbon Disulfide	15.4	0.50	ug/L	20		77.2	28-151	2.37	30	
Carbon Tetrachloride	19.6	0.50	ug/L	20		97.8	58-164	0.0512	30	
Chlorobenzene	22.1	0.50	ug/L	20		111	70-130	1.64	30	
Chloroethane	20.4	0.50	ug/L	20		102	42-164	0.783	30	
Chloroform	17.4	0.50	ug/L	20		86.8	65-138	4.45	30	
Chloromethane	16.2	0.50	ug/L	20		81.2	50-152	1.49	30	
2-Chlorotoluene	21.2	0.50	ug/L	20		106	70-130	1.67	30	
4-Chlorotoluene	21.4	0.50	ug/L	20		107	70-130	2.41	30	
1,2-Dibromo-3-chloropropane	18.9	1.0	ug/L	20		94.4	53-161	2.63	30	
Dibromochloromethane	21.9	0.50	ug/L	20		110	70-130	1.10	30	
1,2-Dibromoethane (EDB)	21.5	0.50	ug/L	20		108	76-130	0.699	30	
Dibromomethane	18.8	0.50	ug/L	20		94.0	62-135	1.74	30	
1,3-Dichlorobenzene	22.2	0.50	ug/L	20		111	70-130	1.50	30	
1,2-Dichlorobenzene	22.8	0.50	ug/L	20		114	70-130	3.43	30	
1,4-Dichlorobenzene	22.3	0.50	ug/L	20		112	70-130	4.44	30	
Dichlorodifluoromethane (R12)	10.1	0.50	ug/L	20		50.7	17-153	2.63	30	
1,1-Dichloroethane	16.4	0.50	ug/L	20		82.2	55-131	0.425	30	
1,2-Dichloroethane (EDC)	16.1	0.50	ug/L	20		80.6	52-168	1.11	30	
1,1-Dichloroethylene	16.7	0.50	ug/L	20		83.6	51-140	3.64	30	
trans-1,2-Dichloroethylene	18.3	0.50	ug/L	20		91.5	59-127	2.43	30	
cis-1,2-Dichloroethylene	19.3	0.50	ug/L	20		96.4	70-130	2.36	30	
1,2-Dichloropropane	18.1	0.50	ug/L	20		90.6	52-142	2.94	30	
2,2-Dichloropropane	15.0	0.50	ug/L	20		74.8	36-168	4.63	30	
1,3-Dichloropropane	19.6	0.50	ug/L	20		98.2	80-121	0.818	30	
cis-1,3-Dichloropropylene	18.3	0.50	ug/L	20		91.6	66-130	2.74	30	
trans-1,3-Dichloropropylene	19.8	0.50	ug/L	20		99.2	78-130	0.759	30	
1,1-Dichloropropylene	18.6	0.50	ug/L	20		93.0	76-132	1.97	30	
Diisopropyl ether (DIPE)	17.0	2.0	ug/L	20		85.0	52-138	4.15	30	
Ethylbenzene	22.0	0.50	ug/L	20		110	86-128	1.01	30	
Ethyl-tert-Butyl Ether (ETBE)	17.0	2.0	ug/L	20		84.8	64-137	4.16	30	
Hexachlorobutadiene	23.1	1.0	ug/L	20		115	70-130	5.15	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333197
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K1325 - EPA 5030B</i>										
Matrix Spike Dup (B9K1325-MSD1) Source: 9K06024-13 Prepared & Analyzed: 11/13/19										
Continued										
2-Hexanone (MBK)	16.4	10	ug/L	20		82.0	52-141	3.00	30	
Isopropylbenzene	22.9	0.50	ug/L	20		115	70-130	2.43	30	
4-Isopropyltoluene	22.9	1.0	ug/L	20		115	83-149	3.55	30	
Methyl-tert-Butyl Ether (MTBE)	35.4	1.2	ug/L	40		88.5	56-150	3.55	30	
Methylene Chloride	16.1	5.0	ug/L	20		80.4	70-130	1.97	30	
4-Methyl-2-pentanone (MIBK)	18.7	10	ug/L	20		93.4	60-148	0.807	30	
Naphthalene	24.2	2.0	ug/L	20		121	70-130	13.2	30	
n-Propylbenzene	21.1	0.50	ug/L	20		106	70-130	1.57	30	
Styrene	22.0	0.50	ug/L	20		110	65-141	0.776	30	
1,1,1,2-Tetrachloroethane	22.5	0.50	ug/L	20		112	70-130	1.30	30	
1,1,2,2-Tetrachloroethane	18.9	0.50	ug/L	20		94.4	62-134	1.21	30	
Tetrachloroethylene (PCE)	23.0	0.50	ug/L	20		115	70-130	4.45	30	
Toluene	20.8	0.50	ug/L	20		104	81-123	0.676	30	
1,2,3-Trichlorobenzene	22.5	0.50	ug/L	20		112	73-144	5.43	30	
1,2,4-Trichlorobenzene	22.9	0.50	ug/L	20		114	80-137	4.24	30	
1,1,1-Trichloroethane	18.7	0.50	ug/L	20		93.6	62-164	1.75	30	
1,1,2-Trichloroethane	20.8	0.50	ug/L	20		104	76-122	1.85	30	
Trichloroethylene (TCE)	19.3	0.50	ug/L	20		96.4	72-136	0.156	30	
Trichlorofluoromethane (R11)	16.2	0.50	ug/L	20		81.0	59-144	6.74	30	
1,2,3-Trichloropropane	18.8	0.50	ug/L	20		94.0	69-135	1.39	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	15.5	0.50	ug/L	20		77.4	62-126	4.23	30	
1,3,5-Trimethylbenzene	22.3	0.50	ug/L	20		112	70-130	3.28	30	
1,2,4-Trimethylbenzene	22.2	0.50	ug/L	20		111	89-134	1.63	30	
Vinyl chloride	17.4	0.50	ug/L	20		87.0	54-150	1.76	30	
o-Xylene	21.3	0.50	ug/L	20		107	70-130	2.04	30	
m,p-Xylenes	44.2	1.0	ug/L	40		110	70-130	2.27	30	
Surrogate: 4-Bromofluorobenzene	44.2		ug/L	50		88.4	80-129			
Surrogate: Dibromofluoromethane	40.0		ug/L	50		79.9	68-137			
Surrogate: Toluene-d8	45.2		ug/L	50		90.5	83-134			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333197
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1325 - EPA 5030B</i>										
Blank (B9K1325-BLK1)										
Prepared & Analyzed: 11/13/19										
Acetone	<10	10	ug/L							
tert-Amyl-Methyl Ether (TAME)	<2.0	2.0	ug/L							
Benzene	<0.50	0.50	ug/L							
Bromobenzene	<0.50	0.50	ug/L							
Bromochloromethane	<0.50	0.50	ug/L							
Bromodichloromethane	<0.50	0.50	ug/L							
Bromoform	<0.50	0.50	ug/L							
Bromomethane	<0.50	0.50	ug/L							
2-Butanone (MEK)	<10	10	ug/L							
tert-Butyl Alcohol (TBA)	<10	10	ug/L							
sec-Butylbenzene	<0.50	0.50	ug/L							
tert-Butylbenzene	<0.50	0.50	ug/L							
n-Butylbenzene	<0.50	0.50	ug/L							
Carbon Disulfide	<0.50	0.50	ug/L							
Carbon Tetrachloride	<0.50	0.50	ug/L							
Chlorobenzene	<0.50	0.50	ug/L							
Chloroethane	<0.50	0.50	ug/L							
Chloroform	<0.50	0.50	ug/L							
Chloromethane	<0.50	0.50	ug/L							
2-Chlorotoluene	<0.50	0.50	ug/L							
4-Chlorotoluene	<0.50	0.50	ug/L							
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L							
Dibromochloromethane	<0.50	0.50	ug/L							
1,2-Dibromoethane (EDB)	<0.50	0.50	ug/L							
Dibromomethane	<0.50	0.50	ug/L							
1,3-Dichlorobenzene	<0.50	0.50	ug/L							
1,2-Dichlorobenzene	<0.50	0.50	ug/L							
1,4-Dichlorobenzene	<0.50	0.50	ug/L							
Dichlorodifluoromethane (R12)	<0.50	0.50	ug/L							
1,1-Dichloroethane	<0.50	0.50	ug/L							
1,2-Dichloroethane (EDC)	<0.50	0.50	ug/L							
1,1-Dichloroethylene	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333197
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limit	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1325 - EPA 5030B</i>										
Blank (B9K1325-BLK1) Continued										
Prepared & Analyzed: 11/13/19										
trans-1,2-Dichloroethylene	<0.50	0.50	ug/L							
cis-1,2-Dichloroethylene	<0.50	0.50	ug/L							
1,2-Dichloropropane	<0.50	0.50	ug/L							
2,2-Dichloropropane	<0.50	0.50	ug/L							
1,3-Dichloropropane	<0.50	0.50	ug/L							
cis-1,3-Dichloropropylene	<0.50	0.50	ug/L							
trans-1,3-Dichloropropylene	<0.50	0.50	ug/L							
1,1-Dichloropropylene	<0.50	0.50	ug/L							
Diisopropyl ether (DIPE)	<2.0	2.0	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Ethyl-tert-Butyl Ether (ETBE)	<2.0	2.0	ug/L							
Hexachlorobutadiene	<1.0	1.0	ug/L							
2-Hexanone (MBK)	<10	10	ug/L							
Isopropylbenzene	<0.50	0.50	ug/L							
4-Isopropyltoluene	<1.0	1.0	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<1.2	1.2	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
4-Methyl-2-pentanone (MIBK)	<10	10	ug/L							
Naphthalene	<2.0	2.0	ug/L							
n-Propylbenzene	<0.50	0.50	ug/L							
Styrene	<0.50	0.50	ug/L							
1,1,1,2-Tetrachloroethane	<0.50	0.50	ug/L							
1,1,2,2-Tetrachloroethane	<0.50	0.50	ug/L							
Tetrachloroethylene (PCE)	<0.50	0.50	ug/L							
Toluene	<0.50	0.50	ug/L							
1,2,3-Trichlorobenzene	<0.50	0.50	ug/L							
1,2,4-Trichlorobenzene	<0.50	0.50	ug/L							
1,1,1-Trichloroethane	<0.50	0.50	ug/L							
1,1,2-Trichloroethane	<0.50	0.50	ug/L							
Trichloroethylene (TCE)	<0.50	0.50	ug/L							
Trichlorofluoromethane (R11)	<0.50	0.50	ug/L							
1,2,3-Trichloropropane	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333197
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1325 - EPA 5030B</i>										
Blank (B9K1325-BLK1) Continued										
Prepared & Analyzed: 11/13/19										
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	0.50	ug/L							
1,3,5-Trimethylbenzene	<0.50	0.50	ug/L							
1,2,4-Trimethylbenzene	<0.50	0.50	ug/L							
Vinyl chloride	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>46.3</i>		<i>ug/L</i>	<i>50</i>		<i>92.6</i>	<i>80-129</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>44.4</i>		<i>ug/L</i>	<i>50</i>		<i>88.9</i>	<i>68-137</i>			
<i>Surrogate: Toluene-d8</i>	<i>45.5</i>		<i>ug/L</i>	<i>50</i>		<i>91.0</i>	<i>83-134</i>			
LCS (B9K1325-BS1)										
Prepared & Analyzed: 11/13/19										
Acetone	19.9	10	ug/L	20		99.5	27-123			
tert-Amyl-Methyl Ether (TAME)	18.8	2.0	ug/L	20		93.8	58-133			
Benzene	19.3	0.50	ug/L	20		96.4	60-134			
Bromobenzene	22.8	0.50	ug/L	20		114	70-130			
Bromochloromethane	20.5	0.50	ug/L	20		102	78-121			
Bromodichloromethane	18.9	0.50	ug/L	20		94.6	74-135			
Bromoform	21.5	0.50	ug/L	20		107	68-132			
Bromomethane	21.4	0.50	ug/L	20		107	58-142			
2-Butanone (MEK)	19.2	10	ug/L	20		95.8	62-138			
tert-Butyl Alcohol (TBA)	90.4	10	ug/L	100		90.4	65-148			
sec-Butylbenzene	20.9	0.50	ug/L	20		104	84-142			
tert-Butylbenzene	22.0	0.50	ug/L	20		110	70-130			
n-Butylbenzene	20.9	0.50	ug/L	20		104	70-130			
Carbon Disulfide	16.1	0.50	ug/L	20		80.4	17-177			
Carbon Tetrachloride	19.4	0.50	ug/L	20		97.0	66-155			
Chlorobenzene	21.8	0.50	ug/L	20		109	70-130			
Chloroethane	22.1	0.50	ug/L	20		111	45-166			
Chloroform	18.2	0.50	ug/L	20		91.2	71-131			
Chloromethane	16.9	0.50	ug/L	20		84.6	48-152			
2-Chlorotoluene	20.9	0.50	ug/L	20		104	70-130			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333197
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1325 - EPA 5030B</i>										
LCS (B9K1325-BS1) Continued										
Prepared & Analyzed: 11/13/19										
4-Chlorotoluene	21.2	0.50	ug/L	20		106	70-130			
1,2-Dibromo-3-chloropropane	20.1	1.0	ug/L	20		100	53-145			
Dibromochloromethane	22.8	0.50	ug/L	20		114	72-133			
1,2-Dibromoethane (EDB)	22.2	0.50	ug/L	20		111	79-120			
Dibromomethane	19.5	0.50	ug/L	20		97.5	68-124			
1,3-Dichlorobenzene	22.1	0.50	ug/L	20		110	70-130			
1,2-Dichlorobenzene	22.6	0.50	ug/L	20		113	70-130			
1,4-Dichlorobenzene	22.0	0.50	ug/L	20		110	70-130			
Dichlorodifluoromethane (R12)	11.5	0.50	ug/L	20		57.5	16-148			
1,1-Dichloroethane	17.0	0.50	ug/L	20		85.2	67-120			
1,2-Dichloroethane (EDC)	16.7	0.50	ug/L	20		83.3	57-156			
1,1-Dichloroethylene	17.4	0.50	ug/L	20		87.1	50-149			
trans-1,2-Dichloroethylene	19.2	0.50	ug/L	20		95.8	66-126			
cis-1,2-Dichloroethylene	19.6	0.50	ug/L	20		98.0	70-124			
1,2-Dichloropropane	18.9	0.50	ug/L	20		94.5	53-139			
2,2-Dichloropropane	17.6	0.50	ug/L	20		87.8	44-162			
1,3-Dichloropropane	20.4	0.50	ug/L	20		102	79-113			
cis-1,3-Dichloropropylene	19.8	0.50	ug/L	20		99.2	67-127			
trans-1,3-Dichloropropylene	20.6	0.50	ug/L	20		103	76-121			
1,1-Dichloropropylene	19.0	0.50	ug/L	20		95.2	84-124			
Diisopropyl ether (DIPE)	18.0	2.0	ug/L	20		90.0	51-136			
Ethylbenzene	21.7	0.50	ug/L	20		108	86-124			
Ethyl-tert-Butyl Ether (ETBE)	18.2	2.0	ug/L	20		90.8	62-136			
Hexachlorobutadiene	22.7	1.0	ug/L	20		113	76-140			
2-Hexanone (MBK)	18.7	10	ug/L	20		93.5	52-123			
Isopropylbenzene	22.2	0.50	ug/L	20		111	70-130			
4-Isopropyltoluene	22.3	1.0	ug/L	20		112	70-130			
Methyl-tert-Butyl Ether (MTBE)	37.2	1.2	ug/L	40		93.1	58-144			
Methylene Chloride	16.5	5.0	ug/L	20		82.5	50-135			
4-Methyl-2-pentanone (MIBK)	21.0	10	ug/L	20		105	49-139			
Naphthalene	24.7	2.0	ug/L	20		124	74-128			
n-Propylbenzene	20.8	0.50	ug/L	20		104	70-130			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333197
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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VOCs & OXYGENATES by GC/MS - Quality Control

Batch B9K1325 - EPA 5030B

LCS (B9K1325-BS1) Continued

Prepared & Analyzed: 11/13/19

Styrene	22.2	0.50	ug/L	20		111	84-123			
1,1,1,2-Tetrachloroethane	22.5	0.50	ug/L	20		113	70-130			
1,1,2,2-Tetrachloroethane	20.0	0.50	ug/L	20		100	58-126			
Tetrachloroethylene (PCE)	22.2	0.50	ug/L	20		111	70-130			
Toluene	20.5	0.50	ug/L	20		103	83-118			
1,2,3-Trichlorobenzene	22.4	0.50	ug/L	20		112	77-134			
1,2,4-Trichlorobenzene	23.2	0.50	ug/L	20		116	84-128			
1,1,1-Trichloroethane	19.0	0.50	ug/L	20		95.1	66-158			
1,1,2-Trichloroethane	21.5	0.50	ug/L	20		107	75-115			
Trichloroethylene (TCE)	19.8	0.50	ug/L	20		99.0	82-128			
Trichlorofluoromethane (R11)	16.1	0.50	ug/L	20		80.5	65-137			
1,2,3-Trichloropropane	20.3	0.50	ug/L	20		102	68-123			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	15.3	0.50	ug/L	20		76.5	62-130			
1,3,5-Trimethylbenzene	21.7	0.50	ug/L	20		108	70-130			
1,2,4-Trimethylbenzene	22.0	0.50	ug/L	20		110	70-130			
Vinyl chloride	18.5	0.50	ug/L	20		92.6	51-151			
o-Xylene	21.2	0.50	ug/L	20		106	70-130			
m,p-Xylenes	43.2	1.0	ug/L	40		108	70-130			
Surrogate: 4-Bromofluorobenzene	44.2		ug/L	50		88.3	80-129			
Surrogate: Dibromofluoromethane	41.6		ug/L	50		83.2	68-137			
Surrogate: Toluene-d8	44.8		ug/L	50		89.7	83-134			

LCS Dup (B9K1325-BSD1)

Prepared & Analyzed: 11/13/19

Acetone	14.2	10	ug/L	20		70.8	27-123	33.6	30	QR-02
tert-Amyl-Methyl Ether (TAME)	16.5	2.0	ug/L	20		82.6	58-133	12.8	30	
Benzene	18.3	0.50	ug/L	20		91.7	60-134	5.00	30	
Bromobenzene	22.4	0.50	ug/L	20		112	70-130	1.68	30	
Bromochloromethane	20.0	0.50	ug/L	20		99.9	78-121	2.52	30	
Bromodichloromethane	17.8	0.50	ug/L	20		89.2	74-135	5.82	30	
Bromoform	19.9	0.50	ug/L	20		99.6	68-132	7.53	30	
Bromomethane	20.4	0.50	ug/L	20		102	58-142	4.69	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333197
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1325 - EPA 5030B</i>										
LCS Dup (B9K1325-BSD1) Continued										
Prepared & Analyzed: 11/13/19										
2-Butanone (MEK)	17.8	10	ug/L	20		88.8	62-138	7.53	30	
tert-Butyl Alcohol (TBA)	90.1	10	ug/L	100		90.1	65-148	0.355	30	
sec-Butylbenzene	21.1	0.50	ug/L	20		105	84-142	0.906	30	
tert-Butylbenzene	22.3	0.50	ug/L	20		112	70-130	1.40	30	
n-Butylbenzene	20.7	0.50	ug/L	20		104	70-130	0.913	30	
Carbon Disulfide	15.2	0.50	ug/L	20		76.2	17-177	5.36	30	
Carbon Tetrachloride	19.1	0.50	ug/L	20		95.5	66-155	1.51	30	
Chlorobenzene	21.9	0.50	ug/L	20		109	70-130	0.183	30	
Chloroethane	20.3	0.50	ug/L	20		102	45-166	8.48	30	
Chloroform	17.5	0.50	ug/L	20		87.6	71-131	4.03	30	
Chloromethane	16.1	0.50	ug/L	20		80.4	48-152	5.03	30	
2-Chlorotoluene	21.0	0.50	ug/L	20		105	70-130	0.525	30	
4-Chlorotoluene	21.0	0.50	ug/L	20		105	70-130	0.851	30	
1,2-Dibromo-3-chloropropane	16.8	1.0	ug/L	20		84.0	53-145	17.7	30	
Dibromochloromethane	21.6	0.50	ug/L	20		108	72-133	5.35	30	
1,2-Dibromoethane (EDB)	20.7	0.50	ug/L	20		104	79-120	6.81	30	
Dibromomethane	18.4	0.50	ug/L	20		91.8	68-124	6.02	30	
1,3-Dichlorobenzene	21.9	0.50	ug/L	20		109	70-130	1.00	30	
1,2-Dichlorobenzene	22.1	0.50	ug/L	20		111	70-130	2.28	30	
1,4-Dichlorobenzene	21.6	0.50	ug/L	20		108	70-130	1.51	30	
Dichlorodifluoromethane (R12)	10.9	0.50	ug/L	20		54.5	16-148	5.36	30	
1,1-Dichloroethane	16.2	0.50	ug/L	20		81.0	67-120	5.05	30	
1,2-Dichloroethane (EDC)	15.7	0.50	ug/L	20		78.7	57-156	5.68	30	
1,1-Dichloroethylene	16.9	0.50	ug/L	20		84.6	50-149	2.97	30	
trans-1,2-Dichloroethylene	18.4	0.50	ug/L	20		92.0	66-126	4.15	30	
cis-1,2-Dichloroethylene	19.2	0.50	ug/L	20		96.2	70-124	1.75	30	
1,2-Dichloropropane	17.4	0.50	ug/L	20		87.1	53-139	8.15	30	
2,2-Dichloropropane	14.5	0.50	ug/L	20		72.6	44-162	19.1	30	
1,3-Dichloropropane	19.0	0.50	ug/L	20		95.2	79-113	6.94	30	
cis-1,3-Dichloropropylene	17.6	0.50	ug/L	20		88.2	67-127	11.6	30	
trans-1,3-Dichloropropylene	19.2	0.50	ug/L	20		95.9	76-121	7.33	30	
1,1-Dichloropropylene	18.2	0.50	ug/L	20		91.2	84-124	4.29	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333197
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1325 - EPA 5030B</i>										
LCS Dup (B9K1325-BSD1) Continued										
Prepared & Analyzed: 11/13/19										
Diisopropyl ether (DIPE)	16.2	2.0	ug/L	20		81.1	51-136	10.4	30	
Ethylbenzene	21.9	0.50	ug/L	20		109	86-124	0.873	30	
Ethyl-tert-Butyl Ether (ETBE)	16.1	2.0	ug/L	20		80.5	62-136	12.0	30	
Hexachlorobutadiene	22.7	1.0	ug/L	20		113	76-140	0.0441	30	
2-Hexanone (MBK)	15.0	10	ug/L	20		75.0	52-123	21.9	30	
Isopropylbenzene	22.6	0.50	ug/L	20		113	70-130	2.05	30	
4-Isopropyltoluene	22.6	1.0	ug/L	20		113	70-130	1.29	30	
Methyl-tert-Butyl Ether (MTBE)	32.4	1.2	ug/L	40		81.1	58-144	13.7	30	
Methylene Chloride	15.4	5.0	ug/L	20		77.2	50-135	6.64	30	
4-Methyl-2-pentanone (MIBK)	17.0	10	ug/L	20		84.9	49-139	21.4	30	
Naphthalene	21.2	2.0	ug/L	20		106	74-128	15.3	30	
n-Propylbenzene	20.9	0.50	ug/L	20		105	70-130	0.431	30	
Styrene	22.1	0.50	ug/L	20		111	84-123	0.496	30	
1,1,1,2-Tetrachloroethane	22.4	0.50	ug/L	20		112	70-130	0.267	30	
1,1,2,2-Tetrachloroethane	17.7	0.50	ug/L	20		88.4	58-126	12.3	30	
Tetrachloroethylene (PCE)	23.1	0.50	ug/L	20		115	70-130	3.89	30	
Toluene	20.8	0.50	ug/L	20		104	83-118	1.55	30	
1,2,3-Trichlorobenzene	20.5	0.50	ug/L	20		102	77-134	9.23	30	
1,2,4-Trichlorobenzene	21.7	0.50	ug/L	20		108	84-128	6.73	30	
1,1,1-Trichloroethane	18.4	0.50	ug/L	20		92.2	66-158	3.15	30	
1,1,2-Trichloroethane	19.6	0.50	ug/L	20		98.2	75-115	8.85	30	
Trichloroethylene (TCE)	18.8	0.50	ug/L	20		94.2	82-128	4.97	30	
Trichlorofluoromethane (R11)	16.2	0.50	ug/L	20		81.0	65-137	0.557	30	
1,2,3-Trichloropropane	17.3	0.50	ug/L	20		86.4	68-123	16.2	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	15.1	0.50	ug/L	20		75.5	62-130	1.32	30	
1,3,5-Trimethylbenzene	22.0	0.50	ug/L	20		110	70-130	1.51	30	
1,2,4-Trimethylbenzene	22.2	0.50	ug/L	20		111	70-130	0.907	30	
Vinyl chloride	18.7	0.50	ug/L	20		93.6	51-151	1.18	30	
o-Xylene	21.3	0.50	ug/L	20		107	70-130	0.612	30	
m,p-Xylenes	43.6	1.0	ug/L	40		109	70-130	1.01	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333197
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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VOCs & OXYGENATES by GC/MS - Quality Control

Batch B9K1325 - EPA 5030B

LCS Dup (B9K1325-BSD1) Continued

Prepared & Analyzed: 11/13/19

Surrogate: 4-Bromofluorobenzene	43.9		ug/L	50		87.7	80-129			
Surrogate: Dibromofluoromethane	40.7		ug/L	50		81.4	68-137			
Surrogate: Toluene-d8	45.6		ug/L	50		91.1	83-134			

Matrix Spike (B9K1325-MS1)

Source: 9K06024-13 Prepared & Analyzed: 11/13/19

Acetone	27.5	10	ug/L	20	15.2	61.8	11-169			
tert-Amyl-Methyl Ether (TAME)	18.1	2.0	ug/L	20	<2.0	90.4	66-133			
Benzene	19.2	0.50	ug/L	20	<0.50	96.2	56-135			
Bromobenzene	22.4	0.50	ug/L	20	<0.50	112	70-130			
Bromochloromethane	20.4	0.50	ug/L	20	<0.50	102	74-125			
Bromodichloromethane	19.0	0.50	ug/L	20	<0.50	94.9	68-144			
Bromoform	20.0	0.50	ug/L	20	<0.50	100	68-151			
Bromomethane	18.7	0.50	ug/L	20	<0.50	93.3	54-142			
2-Butanone (MEK)	16.5	10	ug/L	20	<10	82.4	62-145			
tert-Butyl Alcohol (TBA)	95.2	10	ug/L	100	7.64	87.6	73-162			
sec-Butylbenzene	20.8	0.50	ug/L	20	<0.50	104	84-145			
tert-Butylbenzene	22.3	0.50	ug/L	20	<0.50	111	70-130			
n-Butylbenzene	20.7	0.50	ug/L	20	<0.50	103	70-130			
Carbon Disulfide	15.8	0.50	ug/L	20	<0.50	79.1	28-151			
Carbon Tetrachloride	19.5	0.50	ug/L	20	<0.50	97.7	58-164			
Chlorobenzene	21.8	0.50	ug/L	20	<0.50	109	70-130			
Chloroethane	20.5	0.50	ug/L	20	<0.50	103	42-164			
Chloroform	18.1	0.50	ug/L	20	<0.50	90.7	65-138			
Chloromethane	16.0	0.50	ug/L	20	<0.50	80.0	50-152			
2-Chlorotoluene	20.8	0.50	ug/L	20	<0.50	104	70-130			
4-Chlorotoluene	20.9	0.50	ug/L	20	<0.50	105	70-130			
1,2-Dibromo-3-chloropropane	18.4	1.0	ug/L	20	<1.0	92.0	53-161			
Dibromochloromethane	21.7	0.50	ug/L	20	<0.50	108	70-130			
1,2-Dibromoethane (EDB)	21.4	0.50	ug/L	20	<0.50	107	76-130			
Dibromomethane	19.1	0.50	ug/L	20	<0.50	95.7	62-135			
1,3-Dichlorobenzene	21.8	0.50	ug/L	20	<0.50	109	70-130			
1,2-Dichlorobenzene	22.1	0.50	ug/L	20	<0.50	110	70-130			
1,4-Dichlorobenzene	21.4	0.50	ug/L	20	<0.50	107	70-130			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333197
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1325 - EPA 5030B</i>										
Matrix Spike (B9K1325-MS1) Continued Source: 9K06024-13 Prepared & Analyzed: 11/13/19										
Dichlorodifluoromethane (R12)	10.4	0.50	ug/L	20	<0.50	52.0	17-153			
1,1-Dichloroethane	16.5	0.50	ug/L	20	<0.50	82.6	55-131			
1,2-Dichloroethane (EDC)	16.3	0.50	ug/L	20	<0.50	81.4	52-168			
1,1-Dichloroethylene	17.3	0.50	ug/L	20	<0.50	86.7	51-140			
trans-1,2-Dichloroethylene	18.8	0.50	ug/L	20	<0.50	93.8	59-127			
cis-1,2-Dichloroethylene	19.8	0.50	ug/L	20	<0.50	98.8	70-130			
1,2-Dichloropropane	18.6	0.50	ug/L	20	<0.50	93.2	52-142			
2,2-Dichloropropane	15.7	0.50	ug/L	20	<0.50	78.4	36-168			
1,3-Dichloropropane	19.5	0.50	ug/L	20	<0.50	97.4	80-121			
cis-1,3-Dichloropropylene	18.8	0.50	ug/L	20	<0.50	94.2	66-130			
trans-1,3-Dichloropropylene	19.7	0.50	ug/L	20	<0.50	98.5	78-130			
1,1-Dichloropropylene	19.0	0.50	ug/L	20	<0.50	94.8	76-132			
Diisopropyl ether (DIPE)	17.7	2.0	ug/L	20	<2.0	88.6	52-138			
Ethylbenzene	21.8	0.50	ug/L	20	<0.50	109	86-128			
Ethyl-tert-Butyl Ether (ETBE)	17.7	2.0	ug/L	20	<2.0	88.4	64-137			
Hexachlorobutadiene	21.9	1.0	ug/L	20	<1.0	110	70-130			
2-Hexanone (MBK)	16.9	10	ug/L	20	<10	84.6	52-141			
Isopropylbenzene	22.4	0.50	ug/L	20	<0.50	112	70-130			
4-Isopropyltoluene	22.1	1.0	ug/L	20	<1.0	111	83-149			
Methyl-tert-Butyl Ether (MTBE)	36.7	1.2	ug/L	40	<1.2	91.7	56-150			
Methylene Chloride	16.4	5.0	ug/L	20	<5.0	82.0	70-130			
4-Methyl-2-pentanone (MIBK)	18.5	10	ug/L	20	<10	92.6	60-148			
Naphthalene	27.7	2.0	ug/L	20	<2.0	138	70-130			QM-07
n-Propylbenzene	20.8	0.50	ug/L	20	<0.50	104	70-130			
Styrene	21.8	0.50	ug/L	20	<0.50	109	65-141			
1,1,1,2-Tetrachloroethane	22.2	0.50	ug/L	20	<0.50	111	70-130			
1,1,2,2-Tetrachloroethane	19.1	0.50	ug/L	20	<0.50	95.6	62-134			
Tetrachloroethylene (PCE)	22.0	0.50	ug/L	20	<0.50	110	70-130			
Toluene	20.6	0.50	ug/L	20	<0.50	103	81-123			
1,2,3-Trichlorobenzene	21.3	0.50	ug/L	20	<0.50	107	73-144			
1,2,4-Trichlorobenzene	22.0	0.50	ug/L	20	<0.50	110	80-137			
1,1,1-Trichloroethane	19.0	0.50	ug/L	20	<0.50	95.2	62-164			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333197
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1325 - EPA 5030B</i>										
Matrix Spike (B9K1325-MS1) Continued Source: 9K06024-13 Prepared & Analyzed: 11/13/19										
1,1,2-Trichloroethane	20.4	0.50	ug/L	20	<0.50	102	76-122			
Trichloroethylene (TCE)	19.3	0.50	ug/L	20	<0.50	96.5	72-136			
Trichlorofluoromethane (R11)	17.3	0.50	ug/L	20	<0.50	86.6	59-144			
1,2,3-Trichloropropane	18.5	0.50	ug/L	20	<0.50	92.6	69-135			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	16.2	0.50	ug/L	20	<0.50	80.8	62-126			
1,3,5-Trimethylbenzene	21.6	0.50	ug/L	20	<0.50	108	70-130			
1,2,4-Trimethylbenzene	21.9	0.50	ug/L	20	<0.50	109	89-134			
Vinyl chloride	17.7	0.50	ug/L	20	<0.50	88.6	54-150			
o-Xylene	20.9	0.50	ug/L	20	<0.50	104	70-130			
m,p-Xylenes	43.2	1.0	ug/L	40	<1.0	108	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>44.5</i>		<i>ug/L</i>	<i>50</i>		<i>89.0</i>	<i>80-129</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>41.5</i>		<i>ug/L</i>	<i>50</i>		<i>83.0</i>	<i>68-137</i>			
<i>Surrogate: Toluene-d8</i>	<i>45.4</i>		<i>ug/L</i>	<i>50</i>		<i>90.8</i>	<i>83-134</i>			
Matrix Spike Dup (B9K1325-MSD1) Source: 9K06024-13 Prepared & Analyzed: 11/13/19										
Acetone	24.4	10	ug/L	20	15.2	46.0	11-169	12.1	30	
tert-Amyl-Methyl Ether (TAME)	17.3	2.0	ug/L	20	<2.0	86.3	66-133	4.64	30	
Benzene	18.7	0.50	ug/L	20	<0.50	93.4	56-135	2.90	30	
Bromobenzene	22.8	0.50	ug/L	20	<0.50	114	70-130	2.03	30	
Bromochloromethane	20.1	0.50	ug/L	20	<0.50	101	74-125	1.43	30	
Bromodichloromethane	18.3	0.50	ug/L	20	<0.50	91.7	68-144	3.43	30	
Bromoform	20.8	0.50	ug/L	20	<0.50	104	68-151	4.16	30	
Bromomethane	21.0	0.50	ug/L	20	<0.50	105	54-142	11.9	30	
2-Butanone (MEK)	16.6	10	ug/L	20	<10	82.8	62-145	0.424	30	
tert-Butyl Alcohol (TBA)	92.1	10	ug/L	100	7.64	84.5	73-162	3.31	30	
sec-Butylbenzene	21.2	0.50	ug/L	20	<0.50	106	84-145	1.71	30	
tert-Butylbenzene	22.6	0.50	ug/L	20	<0.50	113	70-130	1.69	30	
n-Butylbenzene	21.1	0.50	ug/L	20	<0.50	106	70-130	2.01	30	
Carbon Disulfide	15.4	0.50	ug/L	20	<0.50	77.2	28-151	2.37	30	
Carbon Tetrachloride	19.6	0.50	ug/L	20	<0.50	97.8	58-164	0.0512	30	
Chlorobenzene	22.1	0.50	ug/L	20	<0.50	111	70-130	1.64	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333197
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1325 - EPA 5030B</i>										
Matrix Spike Dup (B9K1325-MSD1) Source: 9K06024-13 Prepared & Analyzed: 11/13/19										
Continued										
Chloroethane	20.4	0.50	ug/L	20	<0.50	102	42-164	0.783	30	
Chloroform	17.4	0.50	ug/L	20	<0.50	86.8	65-138	4.45	30	
Chloromethane	16.2	0.50	ug/L	20	<0.50	81.2	50-152	1.49	30	
2-Chlorotoluene	21.2	0.50	ug/L	20	<0.50	106	70-130	1.67	30	
4-Chlorotoluene	21.4	0.50	ug/L	20	<0.50	107	70-130	2.41	30	
1,2-Dibromo-3-chloropropane	18.9	1.0	ug/L	20	<1.0	94.4	53-161	2.63	30	
Dibromochloromethane	21.9	0.50	ug/L	20	<0.50	110	70-130	1.10	30	
1,2-Dibromoethane (EDB)	21.5	0.50	ug/L	20	<0.50	108	76-130	0.699	30	
Dibromomethane	18.8	0.50	ug/L	20	<0.50	94.0	62-135	1.74	30	
1,3-Dichlorobenzene	22.2	0.50	ug/L	20	<0.50	111	70-130	1.50	30	
1,2-Dichlorobenzene	22.8	0.50	ug/L	20	<0.50	114	70-130	3.43	30	
1,4-Dichlorobenzene	22.3	0.50	ug/L	20	<0.50	112	70-130	4.44	30	
Dichlorodifluoromethane (R12)	10.1	0.50	ug/L	20	<0.50	50.7	17-153	2.63	30	
1,1-Dichloroethane	16.4	0.50	ug/L	20	<0.50	82.2	55-131	0.425	30	
1,2-Dichloroethane (EDC)	16.1	0.50	ug/L	20	<0.50	80.6	52-168	1.11	30	
1,1-Dichloroethylene	16.7	0.50	ug/L	20	<0.50	83.6	51-140	3.64	30	
trans-1,2-Dichloroethylene	18.3	0.50	ug/L	20	<0.50	91.5	59-127	2.43	30	
cis-1,2-Dichloroethylene	19.3	0.50	ug/L	20	<0.50	96.4	70-130	2.36	30	
1,2-Dichloropropane	18.1	0.50	ug/L	20	<0.50	90.6	52-142	2.94	30	
2,2-Dichloropropane	15.0	0.50	ug/L	20	<0.50	74.8	36-168	4.63	30	
1,3-Dichloropropane	19.6	0.50	ug/L	20	<0.50	98.2	80-121	0.818	30	
cis-1,3-Dichloropropylene	18.3	0.50	ug/L	20	<0.50	91.6	66-130	2.74	30	
trans-1,3-Dichloropropylene	19.8	0.50	ug/L	20	<0.50	99.2	78-130	0.759	30	
1,1-Dichloropropylene	18.6	0.50	ug/L	20	<0.50	93.0	76-132	1.97	30	
Diisopropyl ether (DIPE)	17.0	2.0	ug/L	20	<2.0	85.0	52-138	4.15	30	
Ethylbenzene	22.0	0.50	ug/L	20	<0.50	110	86-128	1.01	30	
Ethyl-tert-Butyl Ether (ETBE)	17.0	2.0	ug/L	20	<2.0	84.8	64-137	4.16	30	
Hexachlorobutadiene	23.1	1.0	ug/L	20	<1.0	115	70-130	5.15	30	
2-Hexanone (MBK)	16.4	10	ug/L	20	<10	82.0	52-141	3.00	30	
Isopropylbenzene	22.9	0.50	ug/L	20	<0.50	115	70-130	2.43	30	
4-Isopropyltoluene	22.9	1.0	ug/L	20	<1.0	115	83-149	3.55	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333197
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1325 - EPA 5030B</i>										
Matrix Spike Dup (B9K1325-MSD1) Source: 9K06024-13 Prepared & Analyzed: 11/13/19										
Continued										
Methyl-tert-Butyl Ether (MTBE)	35.4	1.2	ug/L	40	<1.2	88.5	56-150	3.55	30	
Methylene Chloride	16.1	5.0	ug/L	20	<5.0	80.4	70-130	1.97	30	
4-Methyl-2-pentanone (MIBK)	18.7	10	ug/L	20	<10	93.4	60-148	0.807	30	
Naphthalene	24.2	2.0	ug/L	20	<2.0	121	70-130	13.2	30	
n-Propylbenzene	21.1	0.50	ug/L	20	<0.50	106	70-130	1.57	30	
Styrene	22.0	0.50	ug/L	20	<0.50	110	65-141	0.776	30	
1,1,1,2-Tetrachloroethane	22.5	0.50	ug/L	20	<0.50	112	70-130	1.30	30	
1,1,2,2-Tetrachloroethane	18.9	0.50	ug/L	20	<0.50	94.4	62-134	1.21	30	
Tetrachloroethylene (PCE)	23.0	0.50	ug/L	20	<0.50	115	70-130	4.45	30	
Toluene	20.8	0.50	ug/L	20	<0.50	104	81-123	0.676	30	
1,2,3-Trichlorobenzene	22.5	0.50	ug/L	20	<0.50	112	73-144	5.43	30	
1,2,4-Trichlorobenzene	22.9	0.50	ug/L	20	<0.50	114	80-137	4.24	30	
1,1,1-Trichloroethane	18.7	0.50	ug/L	20	<0.50	93.6	62-164	1.75	30	
1,1,2-Trichloroethane	20.8	0.50	ug/L	20	<0.50	104	76-122	1.85	30	
Trichloroethylene (TCE)	19.3	0.50	ug/L	20	<0.50	96.4	72-136	0.156	30	
Trichlorofluoromethane (R11)	16.2	0.50	ug/L	20	<0.50	81.0	59-144	6.74	30	
1,2,3-Trichloropropane	18.8	0.50	ug/L	20	<0.50	94.0	69-135	1.39	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	15.5	0.50	ug/L	20	<0.50	77.4	62-126	4.23	30	
1,3,5-Trimethylbenzene	22.3	0.50	ug/L	20	<0.50	112	70-130	3.28	30	
1,2,4-Trimethylbenzene	22.2	0.50	ug/L	20	<0.50	111	89-134	1.63	30	
Vinyl chloride	17.4	0.50	ug/L	20	<0.50	87.0	54-150	1.76	30	
o-Xylene	21.3	0.50	ug/L	20	<0.50	107	70-130	2.04	30	
m,p-Xylenes	44.2	1.0	ug/L	40	<1.0	110	70-130	2.27	30	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>44.2</i>		<i>ug/L</i>	<i>50</i>		<i>88.4</i>	<i>80-129</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>40.0</i>		<i>ug/L</i>	<i>50</i>		<i>79.9</i>	<i>68-137</i>			
<i>Surrogate: Toluene-d8</i>	<i>45.2</i>		<i>ug/L</i>	<i>50</i>		<i>90.5</i>	<i>83-134</i>			

Diesel Range Organics by GC/FID - Quality Control

Batch B9K1212 - EPA 3510C

Blank (B9K1212-BLK1)

Prepared: 11/12/19 Analyzed: 11/15/19

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333197
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Diesel Range Organics by GC/FID - Quality Control										
<i>Batch B9K1212 - EPA 3510C</i>										
Blank (B9K1212-BLK1) Continued				Prepared: 11/12/19 Analyzed: 11/15/19						
Diesel Range Organics as Diesel	<0.10	0.10	mg/L							
<i>Surrogate: o-Terphenyl</i>	<i>0.0588</i>		<i>mg/L</i>	<i>0.040</i>		<i>147</i>	<i>50-150</i>			
LCS (B9K1212-BS1)				Prepared: 11/12/19 Analyzed: 11/15/19						
Diesel Range Organics as Diesel	0.605	0.10	mg/L	0.80		75.7	36-132			
<i>Surrogate: o-Terphenyl</i>	<i>0.0458</i>		<i>mg/L</i>	<i>0.040</i>		<i>115</i>	<i>50-150</i>			
LCS Dup (B9K1212-BSD1)				Prepared: 11/12/19 Analyzed: 11/15/19						
Diesel Range Organics as Diesel	0.610	0.10	mg/L	0.80		76.3	36-132	0.810	30	
<i>Surrogate: o-Terphenyl</i>	<i>0.0471</i>		<i>mg/L</i>	<i>0.040</i>		<i>118</i>	<i>50-150</i>			
Gasoline Range Organics by GC/FID - Quality Control										
<i>Batch B9K1221 - *** DEFAULT PREP ***</i>										
Blank (B9K1221-BLK1)				Prepared & Analyzed: 11/12/19						
Gasoline Range Organics (GRO)	<100	100	ug/L							
<i>Surrogate: a,a,a-Trifluorotoluene</i>	<i>50.6</i>		<i>ug/L</i>	<i>50</i>		<i>101</i>	<i>80-120</i>			
LCS (B9K1221-BS1)				Prepared & Analyzed: 11/12/19						
Gasoline Range Organics (GRO)	422	100	ug/L	500		84.5	75-125		30	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	<i>53.1</i>		<i>ug/L</i>	<i>50</i>		<i>106</i>	<i>80-120</i>			
LCS Dup (B9K1221-BSD1)				Prepared & Analyzed: 11/12/19						
Gasoline Range Organics (GRO)	500	100	ug/L	500		100	75-125	16.8	30	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	<i>57.6</i>		<i>ug/L</i>	<i>50</i>		<i>115</i>	<i>80-120</i>			
Matrix Spike (B9K1221-MS1)				Source: 9K06024-13 Prepared & Analyzed: 11/12/19						
Gasoline Range Organics (GRO)	477	100	ug/L	500	<100	95.3	70-130		30	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	<i>53.1</i>		<i>ug/L</i>	<i>50</i>		<i>106</i>	<i>80-120</i>			
Matrix Spike Dup (B9K1221-MSD1)				Source: 9K06024-13 Prepared & Analyzed: 11/12/19						
Gasoline Range Organics (GRO)	477	100	ug/L	500	<100	95.4	70-130	0.0573	30	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	<i>53.0</i>		<i>ug/L</i>	<i>50</i>		<i>106</i>	<i>80-120</i>			

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333197
Date Received: 11/06/19
Date Reported: 11/26/19

Special Notes

- [1] = **QM-07** : The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS or LCSD recovery.
- [2] = **QR-02** : The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

A handwritten signature in black ink, appearing to read 'Viorel Vasile'.

Viorel Vasile
Operations Manager



AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

9765 ETON AVE., CHATSWORTH, CA 91311
 Tel: 818-998-5547 FAX: 818-998-7258

A.A. COC No.: 19185
 70055365
 Page 1 of 1

Client: APEX-SGI Project Name / No.: DESP Norwalk Sampler's Name: DAVID Wobson
 Project Manager: DAN SWENSSON Site Address: 15306 NORWALK BLVD. Sampler's Signature: [Signature]
 Phone: 562-597-1055 City: Norwalk P.O. No.: ---
 Fax: 562-597-1070 State & Zip: CA 90650 Quote No.: ---

TAT Turnaround Codes **

- ① = Same Day Rush
- ④ = 72 Hour Rush
- ② = 24 Hour Rush
- ⑤ = 5 Day Rush
- ③ = 48 Hour 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		
						8260B	8015 DPO	8015TR/HG								
QCTB-1	9K06029-01	11-5-19	6:00	GW	2	X										
QCEB-1	02	11-5-19	8:30	GW	2	X										
TF-8	03	11-5-19	9:15	GW	6	X	X									
GW-6	04	11-5-19	10:00	GW	6	X	X									
GMW-16	05	11-5-19	10:40	GW	6	X	X									
GW-8	06	11-5-19	11:20	GW	6	X	X									
MW-24	07	11-5-19	12:00	GW	6	X	X									
GW-2	08	11-5-19	12:40	GW	6	X	X									
GW-13	09	11-5-19	12:55	GW	6	X	X									
MW-22(MID)	10	11-5-19	2:10	GW	6	X	X									
DUP-5	11	11-5-19	X+X+X	GW	6	X	X									
MW-26	12	11-5-19	2:55	GW	6	X	X									
MW-27	13	11-5-19	3:35	GW	6	X	X									

For Laboratory Use

REVIEWED
 Date 11/6/19 Time 1615
 TAT N Days Sign: [Signature]

Relinquished by	Date	Time	Received by	Date	Time
<u>[Signature]</u>	<u>11-6-19</u>	<u>13:05X</u>	<u>[Signature]</u>	<u>11-6-19</u>	<u>13:52</u>
<u>[Signature]</u>	<u>11-6-19</u>	<u>13:52</u>	<u>[Signature]</u>		
<u>[Signature]</u>			<u>[Signature]</u>		

A.A. Project No.: AS333197/9K06024

Note: By relinquishing samples to American Analytix, client agrees to pay for the services requested on this chain of custody form and any additional client-requested analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 45 days following the submittal of the sample(s) to American Analytix.



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

November 26, 2019

Neil Irish

The Source Group, Inc. (SH)
1962 Freeman Ave.
Signal Hill, CA 90755

**Re : DFSP Norwalk GW Sampling / 04-NDLA-013
A5333198 / 9K06025**

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 11/06/19 14:52 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 black ink, appearing to read 'V. Vasile', is written over a light blue horizontal line.

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
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8260B+OXY+TPHG

QCTB-1	9K06025-01	Water	5	11/06/19 06:00	11/06/19 14:52
QCEB-1	9K06025-02	Water	5	11/06/19 08:10	11/06/19 14:52

8260B+OXYGENATES

GMW-61	9K06025-03	Water	5	11/06/19 08:45	11/06/19 14:52
TF-20R	9K06025-04	Water	5	11/06/19 09:25	11/06/19 14:52
GW-15	9K06025-05	Water	5	11/06/19 10:05	11/06/19 14:52
GMW-47	9K06025-06	Water	5	11/06/19 10:50	11/06/19 14:52
DUP-6	9K06025-07	Water	5	11/06/19 00:00	11/06/19 14:52
GMW-35R	9K06025-08	Water	5	11/06/19 11:30	11/06/19 14:52
GMW-15	9K06025-09	Water	5	11/06/19 12:30	11/06/19 14:52

Diesel Range Organics 8015M

GMW-61	9K06025-03	Water	5	11/06/19 08:45	11/06/19 14:52
TF-20R	9K06025-04	Water	5	11/06/19 09:25	11/06/19 14:52
GW-15	9K06025-05	Water	5	11/06/19 10:05	11/06/19 14:52
GMW-47	9K06025-06	Water	5	11/06/19 10:50	11/06/19 14:52
DUP-6	9K06025-07	Water	5	11/06/19 00:00	11/06/19 14:52
GMW-35R	9K06025-08	Water	5	11/06/19 11:30	11/06/19 14:52
GMW-15	9K06025-09	Water	5	11/06/19 12:30	11/06/19 14:52

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19

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

Gasoline Range Organics 8015M

GMW-61	9K06025-03	Water	5	11/06/19 08:45	11/06/19 14:52
TF-20R	9K06025-04	Water	5	11/06/19 09:25	11/06/19 14:52
GW-15	9K06025-05	Water	5	11/06/19 10:05	11/06/19 14:52
GMW-47	9K06025-06	Water	5	11/06/19 10:50	11/06/19 14:52
DUP-6	9K06025-07	Water	5	11/06/19 00:00	11/06/19 14:52
GMW-35R	9K06025-08	Water	5	11/06/19 11:30	11/06/19 14:52
GMW-15	9K06025-09	Water	5	11/06/19 12:30	11/06/19 14:52

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19
Units: ug/L

Date Sampled:	11/06/19	11/06/19	
Date Prepared:	11/13/19	11/13/19	
Date Analyzed:	11/13/19	11/13/19	
AA ID No:	9K06025-01	9K06025-02	
Client ID No:	QCTB-1	QCEB-1	
Matrix:	Water	Water	
Dilution Factor:	1	1	MRL

8260B+OXY+TPHG (EPA 8260B)

Acetone	<10	<10	10
tert-Amyl-Methyl Ether (TAME)	<2.0	<2.0	2.0
Benzene	<0.50	<0.50	0.50
Bromobenzene	<0.50	<0.50	0.50
Bromochloromethane	<0.50	<0.50	0.50
Bromodichloromethane	<0.50	<0.50	0.50
Bromoform	<0.50	<0.50	0.50
Bromomethane	<0.50	<0.50	0.50
2-Butanone (MEK)	<10	<10	10
tert-Butyl Alcohol (TBA)	<10	<10	10
sec-Butylbenzene	<0.50	<0.50	0.50
tert-Butylbenzene	<0.50	<0.50	0.50
n-Butylbenzene	<0.50	<0.50	0.50
Carbon Disulfide	<0.50	<0.50	0.50
Carbon Tetrachloride	<0.50	<0.50	0.50
Chlorobenzene	<0.50	<0.50	0.50
Chloroethane	<0.50	<0.50	0.50
Chloroform	<0.50	<0.50	0.50
Chloromethane	<0.50	<0.50	0.50
2-Chlorotoluene	<0.50	<0.50	0.50
4-Chlorotoluene	<0.50	<0.50	0.50
1,2-Dibromo-3-chloropropane	<1.0	<1.0	1.0
Dibromochloromethane	<0.50	<0.50	0.50
1,2-Dibromoethane (EDB)	<0.50	<0.50	0.50
Dibromomethane	<0.50	<0.50	0.50
1,3-Dichlorobenzene	<0.50	<0.50	0.50
1,2-Dichlorobenzene	<0.50	<0.50	0.50

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19
Units: ug/L

Date Sampled:	11/06/19	11/06/19	
Date Prepared:	11/13/19	11/13/19	
Date Analyzed:	11/13/19	11/13/19	
AA ID No:	9K06025-01	9K06025-02	
Client ID No:	QCTB-1	QCEB-1	
Matrix:	Water	Water	
Dilution Factor:	1	1	MRL

8260B+OXY+TPHG (EPA 8260B) (continued)

1,4-Dichlorobenzene	<0.50	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	<0.50	0.50
1,1-Dichloroethane	<0.50	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	<0.50	0.50
1,1-Dichloroethylene	<0.50	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	<0.50	0.50
1,2-Dichloropropane	<0.50	<0.50	0.50
2,2-Dichloropropane	<0.50	<0.50	0.50
1,3-Dichloropropane	<0.50	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	<0.50	0.50
1,1-Dichloropropylene	<0.50	<0.50	0.50
Diisopropyl ether (DIPE)	<2.0	<2.0	2.0
Ethylbenzene	<0.50	<0.50	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	<2.0	2.0
Gasoline Range Organics (GRO)	<100	<100	100
Hexachlorobutadiene	<1.0	<1.0	1.0
2-Hexanone (MBK)	<10	<10	10
Isopropylbenzene	<0.50	<0.50	0.50
4-Isopropyltoluene	<1.0	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<1.2	<1.2	1.2
Methylene Chloride	<5.0	<5.0	5.0
4-Methyl-2-pentanone (MIBK)	<10	<10	10
Naphthalene	<2.0	<2.0	2.0
n-Propylbenzene	<0.50	<0.50	0.50

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19
Units: ug/L

Date Sampled:	11/06/19	11/06/19	
Date Prepared:	11/13/19	11/13/19	
Date Analyzed:	11/13/19	11/13/19	
AA ID No:	9K06025-01	9K06025-02	
Client ID No:	QCTB-1	QCEB-1	
Matrix:	Water	Water	
Dilution Factor:	1	1	MRL

8260B+OXY+TPHG (EPA 8260B) (continued)

Styrene	<0.50	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	<0.50	0.50
1,1,2,2-Tetrachloroethane	<0.50	<0.50	0.50
Tetrachloroethylene (PCE)	<0.50	<0.50	0.50
Toluene	<0.50	<0.50	0.50
1,2,3-Trichlorobenzene	<0.50	<0.50	0.50
1,2,4-Trichlorobenzene	<0.50	<0.50	0.50
1,1,1-Trichloroethane	<0.50	<0.50	0.50
1,1,2-Trichloroethane	<0.50	<0.50	0.50
Trichloroethylene (TCE)	<0.50	<0.50	0.50
Trichlorofluoromethane (R11)	<0.50	<0.50	0.50
1,2,3-Trichloropropane	<0.50	<0.50	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	<0.50	0.50
1,3,5-Trimethylbenzene	<0.50	<0.50	0.50
1,2,4-Trimethylbenzene	<0.50	<0.50	0.50
Vinyl chloride	<0.50	<0.50	0.50
o-Xylene	<0.50	<0.50	0.50
m,p-Xylenes	<1.0	<1.0	1.0

<u>Surrogates</u>			<u>%REC Limits</u>
4-Bromofluorobenzene	94%	97%	80-129
Dibromofluoromethane	94%	97%	68-137
Toluene-d8	92%	92%	83-134

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19
Units: ug/L

Date Sampled:	11/06/19	11/06/19	11/06/19	11/06/19	
Date Prepared:	11/13/19	11/13/19	11/13/19	11/13/19	
Date Analyzed:	11/13/19	11/13/19	11/13/19	11/13/19	
AA ID No:	9K06025-03	9K06025-04	9K06025-05	9K06025-06	
Client ID No:	GMW-61	TF-20R	GW-15	GMW-47	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

8260B+OXYGENATES (EPA 8260B)

Acetone	12	<10	12	<10	10
tert-Amyl-Methyl Ether (TAME)	<2.0	<2.0	<2.0	<2.0	2.0
Benzene	<0.50	29	<0.50	<0.50	0.50
Bromobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Bromochloromethane	<0.50	<0.50	<0.50	<0.50	0.50
Bromodichloromethane	<0.50	<0.50	<0.50	<0.50	0.50
Bromoform	<0.50	<0.50	<0.50	<0.50	0.50
Bromomethane	<0.50	<0.50	<0.50	<0.50	0.50
2-Butanone (MEK)	<10	<10	<10	<10	10
tert-Butyl Alcohol (TBA)	<10	<10	<10	58	10
sec-Butylbenzene	<0.50	9.0	<0.50	<0.50	0.50
tert-Butylbenzene	<0.50	1.4	<0.50	<0.50	0.50
n-Butylbenzene	<0.50	2.1	<0.50	<0.50	0.50
Carbon Disulfide	<0.50	<0.50	<0.50	<0.50	0.50
Carbon Tetrachloride	<0.50	<0.50	<0.50	<0.50	0.50
Chlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Chloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Chloroform	<0.50	<0.50	<0.50	<0.50	0.50
Chloromethane	<0.50	<0.50	<0.50	<0.50	0.50
2-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	0.50
4-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dibromo-3-chloropropane	<1.0	<1.0	<1.0	<1.0	1.0
Dibromochloromethane	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dibromoethane (EDB)	<0.50	<0.50	<0.50	<0.50	0.50
Dibromomethane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19
Units: ug/L

Date Sampled:	11/06/19	11/06/19	11/06/19	11/06/19
Date Prepared:	11/13/19	11/13/19	11/13/19	11/13/19
Date Analyzed:	11/13/19	11/13/19	11/13/19	11/13/19
AA ID No:	9K06025-03	9K06025-04	9K06025-05	9K06025-06
Client ID No:	GMW-61	TF-20R	GW-15	GMW-47
Matrix:	Water	Water	Water	Water
Dilution Factor:	1	1	1	1

MRL

8260B+OXYGENATES (EPA 8260B) (continued)

1,4-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
2,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
Diisopropyl ether (DIPE)	<2.0	<2.0	<2.0	<2.0	2.0
Ethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	<2.0	<2.0	<2.0	2.0
Hexachlorobutadiene	<1.0	<1.0	<1.0	<1.0	1.0
2-Hexanone (MBK)	<10	<10	<10	<10	10
Isopropylbenzene	<0.50	53	<0.50	<0.50	0.50
4-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<1.2	<1.2	<1.2	2.0	1.2
Methylene Chloride	<5.0	<5.0	<5.0	<5.0	5.0
4-Methyl-2-pentanone (MIBK)	<10	<10	<10	<10	10
Naphthalene	<2.0	75	<2.0	<2.0	2.0
n-Propylbenzene	<0.50	33	<0.50	<0.50	0.50
Styrene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19
Units: ug/L

Date Sampled:	11/06/19	11/06/19	11/06/19	11/06/19
Date Prepared:	11/13/19	11/13/19	11/13/19	11/13/19
Date Analyzed:	11/13/19	11/13/19	11/13/19	11/13/19
AA ID No:	9K06025-03	9K06025-04	9K06025-05	9K06025-06
Client ID No:	GMW-61	TF-20R	GW-15	GMW-47
Matrix:	Water	Water	Water	Water
Dilution Factor:	1	1	1	1

MRL

8260B+OXYGENATES (EPA 8260B) (continued)

1,1,2,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Tetrachloroethylene (PCE)	<0.50	<0.50	<0.50	<0.50	0.50
Toluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Trichloroethylene (TCE)	<0.50	<0.50	<0.50	<0.50	0.50
Trichlorofluoromethane (R11)	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	<0.50	<0.50	<0.50	0.50
1,3,5-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Vinyl chloride	<0.50	<0.50	<0.50	<0.50	0.50
o-Xylene	<0.50	<0.50	<0.50	<0.50	0.50
m,p-Xylenes	<1.0	<1.0	<1.0	<1.0	1.0

Surrogates

					%REC Limits
4-Bromofluorobenzene	100%	88%	103%	103%	80-129
Dibromofluoromethane	101%	98%	86%	89%	68-137
Toluene-d8	94%	93%	95%	95%	83-134

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19
Units: ug/L

	11/06/19	11/06/19	11/06/19	
Date Sampled:	11/06/19	11/06/19	11/06/19	
Date Prepared:	11/13/19	11/13/19	11/13/19	
Date Analyzed:	11/13/19	11/13/19	11/13/19	
AA ID No:	9K06025-07	9K06025-08	9K06025-09	
Client ID No:	DUP-6	GMW-35R	GMW-15	
Matrix:	Water	Water	Water	
Dilution Factor:	1	2	1	MRL

8260B+OXYGENATES (EPA 8260B)

Acetone	12	<20	<10	10
tert-Amyl-Methyl Ether (TAME)	<2.0	<4.0	<2.0	2.0
Benzene	<0.50	11	<0.50	0.50
Bromobenzene	<0.50	<1.0	<0.50	0.50
Bromochloromethane	<0.50	<1.0	<0.50	0.50
Bromodichloromethane	<0.50	<1.0	<0.50	0.50
Bromoform	<0.50	<1.0	<0.50	0.50
Bromomethane	<0.50	<1.0	<0.50	0.50
2-Butanone (MEK)	<10	<20	<10	10
tert-Butyl Alcohol (TBA)	69	720	<10	10
sec-Butylbenzene	<0.50	3.2	<0.50	0.50
tert-Butylbenzene	<0.50	1.5	0.59	0.50
n-Butylbenzene	<0.50	<1.0	<0.50	0.50
Carbon Disulfide	<0.50	<1.0	<0.50	0.50
Carbon Tetrachloride	<0.50	<1.0	<0.50	0.50
Chlorobenzene	<0.50	<1.0	<0.50	0.50
Chloroethane	<0.50	<1.0	<0.50	0.50
Chloroform	<0.50	<1.0	<0.50	0.50
Chloromethane	<0.50	<1.0	<0.50	0.50
2-Chlorotoluene	<0.50	<1.0	<0.50	0.50
4-Chlorotoluene	<0.50	<1.0	<0.50	0.50
1,2-Dibromo-3-chloropropane	<1.0	<2.0	<1.0	1.0
Dibromochloromethane	<0.50	<1.0	<0.50	0.50
1,2-Dibromoethane (EDB)	<0.50	<1.0	<0.50	0.50
Dibromomethane	<0.50	<1.0	<0.50	0.50
1,3-Dichlorobenzene	<0.50	<1.0	<0.50	0.50
1,2-Dichlorobenzene	<0.50	<1.0	<0.50	0.50

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19
Units: ug/L

	11/06/19	11/06/19	11/06/19	
Date Sampled:	11/06/19	11/06/19	11/06/19	
Date Prepared:	11/13/19	11/13/19	11/13/19	
Date Analyzed:	11/13/19	11/13/19	11/13/19	
AA ID No:	9K06025-07	9K06025-08	9K06025-09	
Client ID No:	DUP-6	GMW-35R	GMW-15	
Matrix:	Water	Water	Water	
Dilution Factor:	1	2	1	MRL

8260B+OXYGENATES (EPA 8260B) (continued)

1,4-Dichlorobenzene	<0.50	<1.0	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	<1.0	<0.50	0.50
1,1-Dichloroethane	<0.50	<1.0	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	<1.0	<0.50	0.50
1,1-Dichloroethylene	<0.50	<1.0	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	<1.0	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	<1.0	<0.50	0.50
1,2-Dichloropropane	<0.50	<1.0	<0.50	0.50
2,2-Dichloropropane	<0.50	<1.0	<0.50	0.50
1,3-Dichloropropane	<0.50	<1.0	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	<1.0	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	<1.0	<0.50	0.50
1,1-Dichloropropylene	<0.50	<1.0	<0.50	0.50
Diisopropyl ether (DIPE)	<2.0	<4.0	<2.0	2.0
Ethylbenzene	<0.50	<1.0	<0.50	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	<4.0	<2.0	2.0
Hexachlorobutadiene	<1.0	<2.0	<1.0	1.0
2-Hexanone (MBK)	<10	<20	<10	10
Isopropylbenzene	<0.50	10	<0.50	0.50
4-Isopropyltoluene	<1.0	<2.0	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	2.4	6.3	<1.2	1.2
Methylene Chloride	<5.0	<10	<5.0	5.0
4-Methyl-2-pentanone (MIBK)	<10	<20	<10	10
Naphthalene	<2.0	<4.0	<2.0	2.0
n-Propylbenzene	<0.50	3.7	<0.50	0.50
Styrene	<0.50	<1.0	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	<1.0	<0.50	0.50

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19
Units: ug/L

Date Sampled:	11/06/19	11/06/19	11/06/19	
Date Prepared:	11/13/19	11/13/19	11/13/19	
Date Analyzed:	11/13/19	11/13/19	11/13/19	
AA ID No:	9K06025-07	9K06025-08	9K06025-09	
Client ID No:	DUP-6	GMW-35R	GMW-15	
Matrix:	Water	Water	Water	
Dilution Factor:	1	2	1	MRL

8260B+OXYGENATES (EPA 8260B) (continued)

1,1,2,2-Tetrachloroethane	<0.50	<1.0	<0.50	0.50
Tetrachloroethylene (PCE)	<0.50	<1.0	<0.50	0.50
Toluene	<0.50	<1.0	<0.50	0.50
1,2,3-Trichlorobenzene	<0.50	<1.0	<0.50	0.50
1,2,4-Trichlorobenzene	<0.50	<1.0	<0.50	0.50
1,1,1-Trichloroethane	<0.50	<1.0	<0.50	0.50
1,1,2-Trichloroethane	<0.50	<1.0	<0.50	0.50
Trichloroethylene (TCE)	<0.50	<1.0	<0.50	0.50
Trichlorofluoromethane (R11)	<0.50	<1.0	<0.50	0.50
1,2,3-Trichloropropane	<0.50	<1.0	<0.50	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	<1.0	<0.50	0.50
1,3,5-Trimethylbenzene	<0.50	<1.0	<0.50	0.50
1,2,4-Trimethylbenzene	<0.50	<1.0	<0.50	0.50
Vinyl chloride	<0.50	<1.0	<0.50	0.50
o-Xylene	<0.50	<1.0	<0.50	0.50
m,p-Xylenes	<1.0	<2.0	<1.0	1.0

<u>Surrogates</u>				<u>%REC Limits</u>
4-Bromofluorobenzene	101%	100%	101%	80-129
Dibromofluoromethane	90%	88%	88%	68-137
Toluene-d8	94%	93%	95%	83-134

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: Diesel Range Organics by GC/FID

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19
Units: mg/L

Date Sampled:	11/06/19	11/06/19	11/06/19	11/06/19	
Date Prepared:	11/12/19	11/12/19	11/12/19	11/12/19	
Date Analyzed:	11/15/19	11/15/19	11/15/19	11/15/19	
AA ID No:	9K06025-03	9K06025-04	9K06025-05	9K06025-06	
Client ID No:	GMW-61	TF-20R	GW-15	GMW-47	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

Diesel Range Organics 8015M (EPA 8015M)

Diesel Range Organics as Diesel	0.34	0.64	0.14	0.60	0.10
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Surrogates

o-Terphenyl	141%	155%	132%	144%	<u>%REC Limits</u> 50-150
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Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: Diesel Range Organics by GC/FID

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19
Units: mg/L

Date Sampled:	11/06/19	11/06/19	11/06/19	
Date Prepared:	11/12/19	11/12/19	11/12/19	
Date Analyzed:	11/16/19	11/16/19	11/16/19	
AA ID No:	9K06025-07	9K06025-08	9K06025-09	
Client ID No:	DUP-6	GMW-35R	GMW-15	
Matrix:	Water	Water	Water	
Dilution Factor:	1	1	1	MRL

Diesel Range Organics 8015M (EPA 8015M)

Diesel Range Organics as Diesel	0.48	1.2	1.8	0.10
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<u>Surrogates</u>				<u>%REC Limits</u>
o-Terphenyl	116%	137%	135%	50-150

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: Gasoline Range Organics by GC/FID

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19
Units: ug/L

Date Sampled:	11/06/19	11/06/19	11/06/19	11/06/19	
Date Prepared:	11/14/19	11/14/19	11/14/19	11/14/19	
Date Analyzed:	11/14/19	11/14/19	11/14/19	11/14/19	
AA ID No:	9K06025-03	9K06025-04	9K06025-05	9K06025-06	
Client ID No:	GMW-61	TF-20R	GW-15	GMW-47	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

Gasoline Range Organics 8015M (EPA 8015M)

Gasoline Range Organics (GRO)	<100	810	<100	<100	100
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Surrogates

a,a,a-Trifluorotoluene	91%	109%	97%	97%	%REC Limits 80-120
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Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: Gasoline Range Organics by GC/FID

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19
Units: ug/L

Date Sampled:	11/06/19	11/06/19	11/06/19	
Date Prepared:	11/14/19	11/14/19	11/14/19	
Date Analyzed:	11/14/19	11/14/19	11/14/19	
AA ID No:	9K06025-07	9K06025-08	9K06025-09	
Client ID No:	DUP-6	GMW-35R	GMW-15	
Matrix:	Water	Water	Water	
Dilution Factor:	1	1	1	MRL

Gasoline Range Organics 8015M (EPA 8015M)

Gasoline Range Organics (GRO)	<100	220	<100	100
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Surrogates

a,a,a-Trifluorotoluene	100%	100%	95%	<u>%REC Limits</u> 80-120
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Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K1325 - EPA 5030B</i>										
Blank (B9K1325-BLK1)										
Prepared & Analyzed: 11/13/19										
Acetone	<10	10	ug/L							
tert-Amyl-Methyl Ether (TAME)	<2.0	2.0	ug/L							
Benzene	<0.50	0.50	ug/L							
Bromobenzene	<0.50	0.50	ug/L							
Bromochloromethane	<0.50	0.50	ug/L							
Bromodichloromethane	<0.50	0.50	ug/L							
Bromoform	<0.50	0.50	ug/L							
Bromomethane	<0.50	0.50	ug/L							
2-Butanone (MEK)	<10	10	ug/L							
tert-Butyl Alcohol (TBA)	<10	10	ug/L							
sec-Butylbenzene	<0.50	0.50	ug/L							
tert-Butylbenzene	<0.50	0.50	ug/L							
n-Butylbenzene	<0.50	0.50	ug/L							
Carbon Disulfide	<0.50	0.50	ug/L							
Carbon Tetrachloride	<0.50	0.50	ug/L							
Chlorobenzene	<0.50	0.50	ug/L							
Chloroethane	<0.50	0.50	ug/L							
Chloroform	<0.50	0.50	ug/L							
Chloromethane	<0.50	0.50	ug/L							
2-Chlorotoluene	<0.50	0.50	ug/L							
4-Chlorotoluene	<0.50	0.50	ug/L							
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L							
Dibromochloromethane	<0.50	0.50	ug/L							
1,2-Dibromoethane (EDB)	<0.50	0.50	ug/L							
Dibromomethane	<0.50	0.50	ug/L							
1,3-Dichlorobenzene	<0.50	0.50	ug/L							
1,2-Dichlorobenzene	<0.50	0.50	ug/L							
1,4-Dichlorobenzene	<0.50	0.50	ug/L							
Dichlorodifluoromethane (R12)	<0.50	0.50	ug/L							
1,1-Dichloroethane	<0.50	0.50	ug/L							
1,2-Dichloroethane (EDC)	<0.50	0.50	ug/L							
1,1-Dichloroethylene	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K1325 - EPA 5030B</i>										
Blank (B9K1325-BLK1) Continued										
Prepared & Analyzed: 11/13/19										
trans-1,2-Dichloroethylene	<0.50	0.50	ug/L							
cis-1,2-Dichloroethylene	<0.50	0.50	ug/L							
1,2-Dichloropropane	<0.50	0.50	ug/L							
2,2-Dichloropropane	<0.50	0.50	ug/L							
1,3-Dichloropropane	<0.50	0.50	ug/L							
cis-1,3-Dichloropropylene	<0.50	0.50	ug/L							
trans-1,3-Dichloropropylene	<0.50	0.50	ug/L							
1,1-Dichloropropylene	<0.50	0.50	ug/L							
Diisopropyl ether (DIPE)	<2.0	2.0	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Ethyl-tert-Butyl Ether (ETBE)	<2.0	2.0	ug/L							
Gasoline Range Organics (GRO)	<100	100	ug/L							
Hexachlorobutadiene	<1.0	1.0	ug/L							
2-Hexanone (MBK)	<10	10	ug/L							
Isopropylbenzene	<0.50	0.50	ug/L							
4-Isopropyltoluene	<1.0	1.0	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<1.2	1.2	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
4-Methyl-2-pentanone (MIBK)	<10	10	ug/L							
Naphthalene	<2.0	2.0	ug/L							
n-Propylbenzene	<0.50	0.50	ug/L							
Styrene	<0.50	0.50	ug/L							
1,1,1,2-Tetrachloroethane	<0.50	0.50	ug/L							
1,1,2,2-Tetrachloroethane	<0.50	0.50	ug/L							
Tetrachloroethylene (PCE)	<0.50	0.50	ug/L							
Toluene	<0.50	0.50	ug/L							
1,2,3-Trichlorobenzene	<0.50	0.50	ug/L							
1,2,4-Trichlorobenzene	<0.50	0.50	ug/L							
1,1,1-Trichloroethane	<0.50	0.50	ug/L							
1,1,2-Trichloroethane	<0.50	0.50	ug/L							
Trichloroethylene (TCE)	<0.50	0.50	ug/L							
Trichlorofluoromethane (R11)	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K1325 - EPA 5030B</i>										
Blank (B9K1325-BLK1) Continued					Prepared & Analyzed: 11/13/19					
1,2,3-Trichloropropane	<0.50	0.50	ug/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	0.50	ug/L							
1,3,5-Trimethylbenzene	<0.50	0.50	ug/L							
1,2,4-Trimethylbenzene	<0.50	0.50	ug/L							
Vinyl chloride	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>46.3</i>		<i>ug/L</i>	<i>50</i>		<i>92.6</i>	<i>80-129</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>44.4</i>		<i>ug/L</i>	<i>50</i>		<i>88.9</i>	<i>68-137</i>			
<i>Surrogate: Toluene-d8</i>	<i>45.5</i>		<i>ug/L</i>	<i>50</i>		<i>91.0</i>	<i>83-134</i>			
LCS (B9K1325-BS1)					Prepared & Analyzed: 11/13/19					
Acetone	19.9	10	ug/L	20		99.5	27-123			
tert-Amyl-Methyl Ether (TAME)	18.8	2.0	ug/L	20		93.8	58-133			
Benzene	19.3	0.50	ug/L	20		96.4	60-134			
Bromobenzene	22.8	0.50	ug/L	20		114	70-130			
Bromochloromethane	20.5	0.50	ug/L	20		102	78-121			
Bromodichloromethane	18.9	0.50	ug/L	20		94.6	74-135			
Bromoform	21.5	0.50	ug/L	20		107	68-132			
Bromomethane	21.4	0.50	ug/L	20		107	58-142			
2-Butanone (MEK)	19.2	10	ug/L	20		95.8	62-138			
tert-Butyl Alcohol (TBA)	90.4	10	ug/L	100		90.4	65-148			
sec-Butylbenzene	20.9	0.50	ug/L	20		104	84-142			
tert-Butylbenzene	22.0	0.50	ug/L	20		110	70-130			
n-Butylbenzene	20.9	0.50	ug/L	20		104	70-130			
Carbon Disulfide	16.1	0.50	ug/L	20		80.4	17-177			
Carbon Tetrachloride	19.4	0.50	ug/L	20		97.0	66-155			
Chlorobenzene	21.8	0.50	ug/L	20		109	70-130			
Chloroethane	22.1	0.50	ug/L	20		111	45-166			
Chloroform	18.2	0.50	ug/L	20		91.2	71-131			
Chloromethane	16.9	0.50	ug/L	20		84.6	48-152			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K1325 - EPA 5030B</i>										
LCS (B9K1325-BS1) Continued										
Prepared & Analyzed: 11/13/19										
2-Chlorotoluene	20.9	0.50	ug/L	20		104	70-130			
4-Chlorotoluene	21.2	0.50	ug/L	20		106	70-130			
1,2-Dibromo-3-chloropropane	20.1	1.0	ug/L	20		100	53-145			
Dibromochloromethane	22.8	0.50	ug/L	20		114	72-133			
1,2-Dibromoethane (EDB)	22.2	0.50	ug/L	20		111	79-120			
Dibromomethane	19.5	0.50	ug/L	20		97.5	68-124			
1,3-Dichlorobenzene	22.1	0.50	ug/L	20		110	70-130			
1,2-Dichlorobenzene	22.6	0.50	ug/L	20		113	70-130			
1,4-Dichlorobenzene	22.0	0.50	ug/L	20		110	70-130			
Dichlorodifluoromethane (R12)	11.5	0.50	ug/L	20		57.5	16-148			
1,1-Dichloroethane	17.0	0.50	ug/L	20		85.2	67-120			
1,2-Dichloroethane (EDC)	16.7	0.50	ug/L	20		83.3	57-156			
1,1-Dichloroethylene	17.4	0.50	ug/L	20		87.1	50-149			
trans-1,2-Dichloroethylene	19.2	0.50	ug/L	20		95.8	66-126			
cis-1,2-Dichloroethylene	19.6	0.50	ug/L	20		98.0	70-124			
1,2-Dichloropropane	18.9	0.50	ug/L	20		94.5	53-139			
2,2-Dichloropropane	17.6	0.50	ug/L	20		87.8	44-162			
1,3-Dichloropropane	20.4	0.50	ug/L	20		102	79-113			
cis-1,3-Dichloropropylene	19.8	0.50	ug/L	20		99.2	67-127			
trans-1,3-Dichloropropylene	20.6	0.50	ug/L	20		103	76-121			
1,1-Dichloropropylene	19.0	0.50	ug/L	20		95.2	84-124			
Diisopropyl ether (DIPE)	18.0	2.0	ug/L	20		90.0	51-136			
Ethylbenzene	21.7	0.50	ug/L	20		108	86-124			
Ethyl-tert-Butyl Ether (ETBE)	18.2	2.0	ug/L	20		90.8	62-136			
Gasoline Range Organics (GRO)	533	100	ug/L	500		107	60-123			
Hexachlorobutadiene	22.7	1.0	ug/L	20		113	76-140			
2-Hexanone (MBK)	18.7	10	ug/L	20		93.5	52-123			
Isopropylbenzene	22.2	0.50	ug/L	20		111	70-130			
4-Isopropyltoluene	22.3	1.0	ug/L	20		112	70-130			
Methyl-tert-Butyl Ether (MTBE)	37.2	1.2	ug/L	40		93.1	58-144			
Methylene Chloride	16.5	5.0	ug/L	20		82.5	50-135			
4-Methyl-2-pentanone (MIBK)	21.0	10	ug/L	20		105	49-139			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K1325 - EPA 5030B</i>										
LCS (B9K1325-BS1) Continued										
Prepared & Analyzed: 11/13/19										
Naphthalene	24.7	2.0	ug/L	20		124	74-128			
n-Propylbenzene	20.8	0.50	ug/L	20		104	70-130			
Styrene	22.2	0.50	ug/L	20		111	84-123			
1,1,1,2-Tetrachloroethane	22.5	0.50	ug/L	20		113	70-130			
1,1,2,2-Tetrachloroethane	20.0	0.50	ug/L	20		100	58-126			
Tetrachloroethylene (PCE)	22.2	0.50	ug/L	20		111	70-130			
Toluene	20.5	0.50	ug/L	20		103	83-118			
1,2,3-Trichlorobenzene	22.4	0.50	ug/L	20		112	77-134			
1,2,4-Trichlorobenzene	23.2	0.50	ug/L	20		116	84-128			
1,1,1-Trichloroethane	19.0	0.50	ug/L	20		95.1	66-158			
1,1,2-Trichloroethane	21.5	0.50	ug/L	20		107	75-115			
Trichloroethylene (TCE)	19.8	0.50	ug/L	20		99.0	82-128			
Trichlorofluoromethane (R11)	16.1	0.50	ug/L	20		80.5	65-137			
1,2,3-Trichloropropane	20.3	0.50	ug/L	20		102	68-123			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	15.3	0.50	ug/L	20		76.5	62-130			
1,3,5-Trimethylbenzene	21.7	0.50	ug/L	20		108	70-130			
1,2,4-Trimethylbenzene	22.0	0.50	ug/L	20		110	70-130			
Vinyl chloride	18.5	0.50	ug/L	20		92.6	51-151			
o-Xylene	21.2	0.50	ug/L	20		106	70-130			
m,p-Xylenes	43.2	1.0	ug/L	40		108	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	44.2		ug/L	50		88.3	80-129			
<i>Surrogate: Dibromofluoromethane</i>	41.6		ug/L	50		83.2	68-137			
<i>Surrogate: Toluene-d8</i>	44.8		ug/L	50		89.7	83-134			
LCS Dup (B9K1325-BSD1)										
Prepared & Analyzed: 11/13/19										
Acetone	14.2	10	ug/L	20		70.8	27-123	33.6	30	QR-02
tert-Amyl-Methyl Ether (TAME)	16.5	2.0	ug/L	20		82.6	58-133	12.8	30	
Benzene	18.3	0.50	ug/L	20		91.7	60-134	5.00	30	
Bromobenzene	22.4	0.50	ug/L	20		112	70-130	1.68	30	
Bromochloromethane	20.0	0.50	ug/L	20		99.9	78-121	2.52	30	
Bromodichloromethane	17.8	0.50	ug/L	20		89.2	74-135	5.82	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K1325 - EPA 5030B</i>										
LCS Dup (B9K1325-BSD1) Continued										
Prepared & Analyzed: 11/13/19										
Bromoform	19.9	0.50	ug/L	20		99.6	68-132	7.53	30	
Bromomethane	20.4	0.50	ug/L	20		102	58-142	4.69	30	
2-Butanone (MEK)	17.8	10	ug/L	20		88.8	62-138	7.53	30	
tert-Butyl Alcohol (TBA)	90.1	10	ug/L	100		90.1	65-148	0.355	30	
sec-Butylbenzene	21.1	0.50	ug/L	20		105	84-142	0.906	30	
tert-Butylbenzene	22.3	0.50	ug/L	20		112	70-130	1.40	30	
n-Butylbenzene	20.7	0.50	ug/L	20		104	70-130	0.913	30	
Carbon Disulfide	15.2	0.50	ug/L	20		76.2	17-177	5.36	30	
Carbon Tetrachloride	19.1	0.50	ug/L	20		95.5	66-155	1.51	30	
Chlorobenzene	21.9	0.50	ug/L	20		109	70-130	0.183	30	
Chloroethane	20.3	0.50	ug/L	20		102	45-166	8.48	30	
Chloroform	17.5	0.50	ug/L	20		87.6	71-131	4.03	30	
Chloromethane	16.1	0.50	ug/L	20		80.4	48-152	5.03	30	
2-Chlorotoluene	21.0	0.50	ug/L	20		105	70-130	0.525	30	
4-Chlorotoluene	21.0	0.50	ug/L	20		105	70-130	0.851	30	
1,2-Dibromo-3-chloropropane	16.8	1.0	ug/L	20		84.0	53-145	17.7	30	
Dibromochloromethane	21.6	0.50	ug/L	20		108	72-133	5.35	30	
1,2-Dibromoethane (EDB)	20.7	0.50	ug/L	20		104	79-120	6.81	30	
Dibromomethane	18.4	0.50	ug/L	20		91.8	68-124	6.02	30	
1,3-Dichlorobenzene	21.9	0.50	ug/L	20		109	70-130	1.00	30	
1,2-Dichlorobenzene	22.1	0.50	ug/L	20		111	70-130	2.28	30	
1,4-Dichlorobenzene	21.6	0.50	ug/L	20		108	70-130	1.51	30	
Dichlorodifluoromethane (R12)	10.9	0.50	ug/L	20		54.5	16-148	5.36	30	
1,1-Dichloroethane	16.2	0.50	ug/L	20		81.0	67-120	5.05	30	
1,2-Dichloroethane (EDC)	15.7	0.50	ug/L	20		78.7	57-156	5.68	30	
1,1-Dichloroethylene	16.9	0.50	ug/L	20		84.6	50-149	2.97	30	
trans-1,2-Dichloroethylene	18.4	0.50	ug/L	20		92.0	66-126	4.15	30	
cis-1,2-Dichloroethylene	19.2	0.50	ug/L	20		96.2	70-124	1.75	30	
1,2-Dichloropropane	17.4	0.50	ug/L	20		87.1	53-139	8.15	30	
2,2-Dichloropropane	14.5	0.50	ug/L	20		72.6	44-162	19.1	30	
1,3-Dichloropropane	19.0	0.50	ug/L	20		95.2	79-113	6.94	30	
cis-1,3-Dichloropropylene	17.6	0.50	ug/L	20		88.2	67-127	11.6	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K1325 - EPA 5030B</i>										
LCS Dup (B9K1325-BSD1) Continued										
Prepared & Analyzed: 11/13/19										
trans-1,3-Dichloropropylene	19.2	0.50	ug/L	20		95.9	76-121	7.33	30	
1,1-Dichloropropylene	18.2	0.50	ug/L	20		91.2	84-124	4.29	30	
Diisopropyl ether (DIPE)	16.2	2.0	ug/L	20		81.1	51-136	10.4	30	
Ethylbenzene	21.9	0.50	ug/L	20		109	86-124	0.873	30	
Ethyl-tert-Butyl Ether (ETBE)	16.1	2.0	ug/L	20		80.5	62-136	12.0	30	
Gasoline Range Organics (GRO)	510	100	ug/L	500		102	60-123	4.45	30	
Hexachlorobutadiene	22.7	1.0	ug/L	20		113	76-140	0.0441	30	
2-Hexanone (MBK)	15.0	10	ug/L	20		75.0	52-123	21.9	30	
Isopropylbenzene	22.6	0.50	ug/L	20		113	70-130	2.05	30	
4-Isopropyltoluene	22.6	1.0	ug/L	20		113	70-130	1.29	30	
Methyl-tert-Butyl Ether (MTBE)	32.4	1.2	ug/L	40		81.1	58-144	13.7	30	
Methylene Chloride	15.4	5.0	ug/L	20		77.2	50-135	6.64	30	
4-Methyl-2-pentanone (MIBK)	17.0	10	ug/L	20		84.9	49-139	21.4	30	
Naphthalene	21.2	2.0	ug/L	20		106	74-128	15.3	30	
n-Propylbenzene	20.9	0.50	ug/L	20		105	70-130	0.431	30	
Styrene	22.1	0.50	ug/L	20		111	84-123	0.496	30	
1,1,1,2-Tetrachloroethane	22.4	0.50	ug/L	20		112	70-130	0.267	30	
1,1,2,2-Tetrachloroethane	17.7	0.50	ug/L	20		88.4	58-126	12.3	30	
Tetrachloroethylene (PCE)	23.1	0.50	ug/L	20		115	70-130	3.89	30	
Toluene	20.8	0.50	ug/L	20		104	83-118	1.55	30	
1,2,3-Trichlorobenzene	20.5	0.50	ug/L	20		102	77-134	9.23	30	
1,2,4-Trichlorobenzene	21.7	0.50	ug/L	20		108	84-128	6.73	30	
1,1,1-Trichloroethane	18.4	0.50	ug/L	20		92.2	66-158	3.15	30	
1,1,2-Trichloroethane	19.6	0.50	ug/L	20		98.2	75-115	8.85	30	
Trichloroethylene (TCE)	18.8	0.50	ug/L	20		94.2	82-128	4.97	30	
Trichlorofluoromethane (R11)	16.2	0.50	ug/L	20		81.0	65-137	0.557	30	
1,2,3-Trichloropropane	17.3	0.50	ug/L	20		86.4	68-123	16.2	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	15.1	0.50	ug/L	20		75.5	62-130	1.32	30	
1,3,5-Trimethylbenzene	22.0	0.50	ug/L	20		110	70-130	1.51	30	
1,2,4-Trimethylbenzene	22.2	0.50	ug/L	20		111	70-130	0.907	30	
Vinyl chloride	18.7	0.50	ug/L	20		93.6	51-151	1.18	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K1325 - EPA 5030B</i>										
LCS Dup (B9K1325-BSD1) Continued										
Prepared & Analyzed: 11/13/19										
o-Xylene	21.3	0.50	ug/L	20		107	70-130	0.612	30	
m,p-Xylenes	43.6	1.0	ug/L	40		109	70-130	1.01	30	
<i>Surrogate: 4-Bromofluorobenzene</i>	43.9		ug/L	50		87.7	80-129			
<i>Surrogate: Dibromofluoromethane</i>	40.7		ug/L	50		81.4	68-137			
<i>Surrogate: Toluene-d8</i>	45.6		ug/L	50		91.1	83-134			
Matrix Spike (B9K1325-MS1)										
Source: 9K06024-13 Prepared & Analyzed: 11/13/19										
Acetone	27.5	10	ug/L	20	15.2	61.8	11-169			
tert-Amyl-Methyl Ether (TAME)	18.1	2.0	ug/L	20		90.4	66-133			
Benzene	19.2	0.50	ug/L	20		96.2	56-135			
Bromobenzene	22.4	0.50	ug/L	20		112	70-130			
Bromochloromethane	20.4	0.50	ug/L	20		102	74-125			
Bromodichloromethane	19.0	0.50	ug/L	20		94.9	68-144			
Bromoform	20.0	0.50	ug/L	20		100	68-151			
Bromomethane	18.7	0.50	ug/L	20		93.3	54-142			
2-Butanone (MEK)	16.5	10	ug/L	20		82.4	62-145			
tert-Butyl Alcohol (TBA)	95.2	10	ug/L	100	7.64	87.6	73-162			
sec-Butylbenzene	20.8	0.50	ug/L	20		104	84-145			
tert-Butylbenzene	22.3	0.50	ug/L	20		111	70-130			
n-Butylbenzene	20.7	0.50	ug/L	20		103	70-130			
Carbon Disulfide	15.8	0.50	ug/L	20		79.1	28-151			
Carbon Tetrachloride	19.5	0.50	ug/L	20		97.7	58-164			
Chlorobenzene	21.8	0.50	ug/L	20		109	70-130			
Chloroethane	20.5	0.50	ug/L	20		103	42-164			
Chloroform	18.1	0.50	ug/L	20		90.7	65-138			
Chloromethane	16.0	0.50	ug/L	20		80.0	50-152			
2-Chlorotoluene	20.8	0.50	ug/L	20		104	70-130			
4-Chlorotoluene	20.9	0.50	ug/L	20		105	70-130			
1,2-Dibromo-3-chloropropane	18.4	1.0	ug/L	20		92.0	53-161			
Dibromochloromethane	21.7	0.50	ug/L	20		108	70-130			
1,2-Dibromoethane (EDB)	21.4	0.50	ug/L	20		107	76-130			
Dibromomethane	19.1	0.50	ug/L	20		95.7	62-135			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K1325 - EPA 5030B</i>										
Matrix Spike (B9K1325-MS1) Continued Source: 9K06024-13 Prepared & Analyzed: 11/13/19										
1,3-Dichlorobenzene	21.8	0.50	ug/L	20		109	70-130			
1,2-Dichlorobenzene	22.1	0.50	ug/L	20		110	70-130			
1,4-Dichlorobenzene	21.4	0.50	ug/L	20		107	70-130			
Dichlorodifluoromethane (R12)	10.4	0.50	ug/L	20		52.0	17-153			
1,1-Dichloroethane	16.5	0.50	ug/L	20		82.6	55-131			
1,2-Dichloroethane (EDC)	16.3	0.50	ug/L	20		81.4	52-168			
1,1-Dichloroethylene	17.3	0.50	ug/L	20		86.7	51-140			
trans-1,2-Dichloroethylene	18.8	0.50	ug/L	20		93.8	59-127			
cis-1,2-Dichloroethylene	19.8	0.50	ug/L	20		98.8	70-130			
1,2-Dichloropropane	18.6	0.50	ug/L	20		93.2	52-142			
2,2-Dichloropropane	15.7	0.50	ug/L	20		78.4	36-168			
1,3-Dichloropropane	19.5	0.50	ug/L	20		97.4	80-121			
cis-1,3-Dichloropropylene	18.8	0.50	ug/L	20		94.2	66-130			
trans-1,3-Dichloropropylene	19.7	0.50	ug/L	20		98.5	78-130			
1,1-Dichloropropylene	19.0	0.50	ug/L	20		94.8	76-132			
Diisopropyl ether (DIPE)	17.7	2.0	ug/L	20		88.6	52-138			
Ethylbenzene	21.8	0.50	ug/L	20		109	86-128			
Ethyl-tert-Butyl Ether (ETBE)	17.7	2.0	ug/L	20		88.4	64-137			
Hexachlorobutadiene	21.9	1.0	ug/L	20		110	70-130			
2-Hexanone (MBK)	16.9	10	ug/L	20		84.6	52-141			
Isopropylbenzene	22.4	0.50	ug/L	20		112	70-130			
4-Isopropyltoluene	22.1	1.0	ug/L	20		111	83-149			
Methyl-tert-Butyl Ether (MTBE)	36.7	1.2	ug/L	40		91.7	56-150			
Methylene Chloride	16.4	5.0	ug/L	20		82.0	70-130			
4-Methyl-2-pentanone (MIBK)	18.5	10	ug/L	20		92.6	60-148			
Naphthalene	27.7	2.0	ug/L	20		138	70-130			QM-07
n-Propylbenzene	20.8	0.50	ug/L	20		104	70-130			
Styrene	21.8	0.50	ug/L	20		109	65-141			
1,1,1,2-Tetrachloroethane	22.2	0.50	ug/L	20		111	70-130			
1,1,2,2-Tetrachloroethane	19.1	0.50	ug/L	20		95.6	62-134			
Tetrachloroethylene (PCE)	22.0	0.50	ug/L	20		110	70-130			
Toluene	20.6	0.50	ug/L	20		103	81-123			

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K1325 - EPA 5030B</i>										
Matrix Spike (B9K1325-MS1) Continued Source: 9K06024-13 Prepared & Analyzed: 11/13/19										
1,2,3-Trichlorobenzene	21.3	0.50	ug/L	20		107	73-144			
1,2,4-Trichlorobenzene	22.0	0.50	ug/L	20		110	80-137			
1,1,1-Trichloroethane	19.0	0.50	ug/L	20		95.2	62-164			
1,1,2-Trichloroethane	20.4	0.50	ug/L	20		102	76-122			
Trichloroethylene (TCE)	19.3	0.50	ug/L	20		96.5	72-136			
Trichlorofluoromethane (R11)	17.3	0.50	ug/L	20		86.6	59-144			
1,2,3-Trichloropropane	18.5	0.50	ug/L	20		92.6	69-135			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	16.2	0.50	ug/L	20		80.8	62-126			
1,3,5-Trimethylbenzene	21.6	0.50	ug/L	20		108	70-130			
1,2,4-Trimethylbenzene	21.9	0.50	ug/L	20		109	89-134			
Vinyl chloride	17.7	0.50	ug/L	20		88.6	54-150			
o-Xylene	20.9	0.50	ug/L	20		104	70-130			
m,p-Xylenes	43.2	1.0	ug/L	40		108	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	44.5		ug/L	50		89.0	80-129			
<i>Surrogate: Dibromofluoromethane</i>	41.5		ug/L	50		83.0	68-137			
<i>Surrogate: Toluene-d8</i>	45.4		ug/L	50		90.8	83-134			
Matrix Spike Dup (B9K1325-MSD1) Source: 9K06024-13 Prepared & Analyzed: 11/13/19										
Acetone	24.4	10	ug/L	20	15.2	46.0	11-169	12.1	30	
tert-Amyl-Methyl Ether (TAME)	17.3	2.0	ug/L	20		86.3	66-133	4.64	30	
Benzene	18.7	0.50	ug/L	20		93.4	56-135	2.90	30	
Bromobenzene	22.8	0.50	ug/L	20		114	70-130	2.03	30	
Bromochloromethane	20.1	0.50	ug/L	20		101	74-125	1.43	30	
Bromodichloromethane	18.3	0.50	ug/L	20		91.7	68-144	3.43	30	
Bromoform	20.8	0.50	ug/L	20		104	68-151	4.16	30	
Bromomethane	21.0	0.50	ug/L	20		105	54-142	11.9	30	
2-Butanone (MEK)	16.6	10	ug/L	20		82.8	62-145	0.424	30	
tert-Butyl Alcohol (TBA)	92.1	10	ug/L	100	7.64	84.5	73-162	3.31	30	
sec-Butylbenzene	21.2	0.50	ug/L	20		106	84-145	1.71	30	
tert-Butylbenzene	22.6	0.50	ug/L	20		113	70-130	1.69	30	
n-Butylbenzene	21.1	0.50	ug/L	20		106	70-130	2.01	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K1325 - EPA 5030B</i>										
Matrix Spike Dup (B9K1325-MSD1) Source: 9K06024-13 Prepared & Analyzed: 11/13/19										
Continued										
Carbon Disulfide	15.4	0.50	ug/L	20		77.2	28-151	2.37	30	
Carbon Tetrachloride	19.6	0.50	ug/L	20		97.8	58-164	0.0512	30	
Chlorobenzene	22.1	0.50	ug/L	20		111	70-130	1.64	30	
Chloroethane	20.4	0.50	ug/L	20		102	42-164	0.783	30	
Chloroform	17.4	0.50	ug/L	20		86.8	65-138	4.45	30	
Chloromethane	16.2	0.50	ug/L	20		81.2	50-152	1.49	30	
2-Chlorotoluene	21.2	0.50	ug/L	20		106	70-130	1.67	30	
4-Chlorotoluene	21.4	0.50	ug/L	20		107	70-130	2.41	30	
1,2-Dibromo-3-chloropropane	18.9	1.0	ug/L	20		94.4	53-161	2.63	30	
Dibromochloromethane	21.9	0.50	ug/L	20		110	70-130	1.10	30	
1,2-Dibromoethane (EDB)	21.5	0.50	ug/L	20		108	76-130	0.699	30	
Dibromomethane	18.8	0.50	ug/L	20		94.0	62-135	1.74	30	
1,3-Dichlorobenzene	22.2	0.50	ug/L	20		111	70-130	1.50	30	
1,2-Dichlorobenzene	22.8	0.50	ug/L	20		114	70-130	3.43	30	
1,4-Dichlorobenzene	22.3	0.50	ug/L	20		112	70-130	4.44	30	
Dichlorodifluoromethane (R12)	10.1	0.50	ug/L	20		50.7	17-153	2.63	30	
1,1-Dichloroethane	16.4	0.50	ug/L	20		82.2	55-131	0.425	30	
1,2-Dichloroethane (EDC)	16.1	0.50	ug/L	20		80.6	52-168	1.11	30	
1,1-Dichloroethylene	16.7	0.50	ug/L	20		83.6	51-140	3.64	30	
trans-1,2-Dichloroethylene	18.3	0.50	ug/L	20		91.5	59-127	2.43	30	
cis-1,2-Dichloroethylene	19.3	0.50	ug/L	20		96.4	70-130	2.36	30	
1,2-Dichloropropane	18.1	0.50	ug/L	20		90.6	52-142	2.94	30	
2,2-Dichloropropane	15.0	0.50	ug/L	20		74.8	36-168	4.63	30	
1,3-Dichloropropane	19.6	0.50	ug/L	20		98.2	80-121	0.818	30	
cis-1,3-Dichloropropylene	18.3	0.50	ug/L	20		91.6	66-130	2.74	30	
trans-1,3-Dichloropropylene	19.8	0.50	ug/L	20		99.2	78-130	0.759	30	
1,1-Dichloropropylene	18.6	0.50	ug/L	20		93.0	76-132	1.97	30	
Diisopropyl ether (DIPE)	17.0	2.0	ug/L	20		85.0	52-138	4.15	30	
Ethylbenzene	22.0	0.50	ug/L	20		110	86-128	1.01	30	
Ethyl-tert-Butyl Ether (ETBE)	17.0	2.0	ug/L	20		84.8	64-137	4.16	30	
Hexachlorobutadiene	23.1	1.0	ug/L	20		115	70-130	5.15	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K1325 - EPA 5030B</i>										
Matrix Spike Dup (B9K1325-MSD1) Source: 9K06024-13 Prepared & Analyzed: 11/13/19										
Continued										
2-Hexanone (MBK)	16.4	10	ug/L	20		82.0	52-141	3.00	30	
Isopropylbenzene	22.9	0.50	ug/L	20		115	70-130	2.43	30	
4-Isopropyltoluene	22.9	1.0	ug/L	20		115	83-149	3.55	30	
Methyl-tert-Butyl Ether (MTBE)	35.4	1.2	ug/L	40		88.5	56-150	3.55	30	
Methylene Chloride	16.1	5.0	ug/L	20		80.4	70-130	1.97	30	
4-Methyl-2-pentanone (MIBK)	18.7	10	ug/L	20		93.4	60-148	0.807	30	
Naphthalene	24.2	2.0	ug/L	20		121	70-130	13.2	30	
n-Propylbenzene	21.1	0.50	ug/L	20		106	70-130	1.57	30	
Styrene	22.0	0.50	ug/L	20		110	65-141	0.776	30	
1,1,1,2-Tetrachloroethane	22.5	0.50	ug/L	20		112	70-130	1.30	30	
1,1,2,2-Tetrachloroethane	18.9	0.50	ug/L	20		94.4	62-134	1.21	30	
Tetrachloroethylene (PCE)	23.0	0.50	ug/L	20		115	70-130	4.45	30	
Toluene	20.8	0.50	ug/L	20		104	81-123	0.676	30	
1,2,3-Trichlorobenzene	22.5	0.50	ug/L	20		112	73-144	5.43	30	
1,2,4-Trichlorobenzene	22.9	0.50	ug/L	20		114	80-137	4.24	30	
1,1,1-Trichloroethane	18.7	0.50	ug/L	20		93.6	62-164	1.75	30	
1,1,2-Trichloroethane	20.8	0.50	ug/L	20		104	76-122	1.85	30	
Trichloroethylene (TCE)	19.3	0.50	ug/L	20		96.4	72-136	0.156	30	
Trichlorofluoromethane (R11)	16.2	0.50	ug/L	20		81.0	59-144	6.74	30	
1,2,3-Trichloropropane	18.8	0.50	ug/L	20		94.0	69-135	1.39	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	15.5	0.50	ug/L	20		77.4	62-126	4.23	30	
1,3,5-Trimethylbenzene	22.3	0.50	ug/L	20		112	70-130	3.28	30	
1,2,4-Trimethylbenzene	22.2	0.50	ug/L	20		111	89-134	1.63	30	
Vinyl chloride	17.4	0.50	ug/L	20		87.0	54-150	1.76	30	
o-Xylene	21.3	0.50	ug/L	20		107	70-130	2.04	30	
m,p-Xylenes	44.2	1.0	ug/L	40		110	70-130	2.27	30	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>44.2</i>		<i>ug/L</i>	<i>50</i>		<i>88.4</i>	<i>80-129</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>40.0</i>		<i>ug/L</i>	<i>50</i>		<i>79.9</i>	<i>68-137</i>			
<i>Surrogate: Toluene-d8</i>	<i>45.2</i>		<i>ug/L</i>	<i>50</i>		<i>90.5</i>	<i>83-134</i>			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1325 - EPA 5030B</i>										
Blank (B9K1325-BLK1)										
Prepared & Analyzed: 11/13/19										
Acetone	<10	10	ug/L							
tert-Amyl-Methyl Ether (TAME)	<2.0	2.0	ug/L							
Benzene	<0.50	0.50	ug/L							
Bromobenzene	<0.50	0.50	ug/L							
Bromochloromethane	<0.50	0.50	ug/L							
Bromodichloromethane	<0.50	0.50	ug/L							
Bromoform	<0.50	0.50	ug/L							
Bromomethane	<0.50	0.50	ug/L							
2-Butanone (MEK)	<10	10	ug/L							
tert-Butyl Alcohol (TBA)	<10	10	ug/L							
sec-Butylbenzene	<0.50	0.50	ug/L							
tert-Butylbenzene	<0.50	0.50	ug/L							
n-Butylbenzene	<0.50	0.50	ug/L							
Carbon Disulfide	<0.50	0.50	ug/L							
Carbon Tetrachloride	<0.50	0.50	ug/L							
Chlorobenzene	<0.50	0.50	ug/L							
Chloroethane	<0.50	0.50	ug/L							
Chloroform	<0.50	0.50	ug/L							
Chloromethane	<0.50	0.50	ug/L							
2-Chlorotoluene	<0.50	0.50	ug/L							
4-Chlorotoluene	<0.50	0.50	ug/L							
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L							
Dibromochloromethane	<0.50	0.50	ug/L							
1,2-Dibromoethane (EDB)	<0.50	0.50	ug/L							
Dibromomethane	<0.50	0.50	ug/L							
1,3-Dichlorobenzene	<0.50	0.50	ug/L							
1,2-Dichlorobenzene	<0.50	0.50	ug/L							
1,4-Dichlorobenzene	<0.50	0.50	ug/L							
Dichlorodifluoromethane (R12)	<0.50	0.50	ug/L							
1,1-Dichloroethane	<0.50	0.50	ug/L							
1,2-Dichloroethane (EDC)	<0.50	0.50	ug/L							
1,1-Dichloroethylene	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1325 - EPA 5030B</i>										
Blank (B9K1325-BLK1) Continued										
Prepared & Analyzed: 11/13/19										
trans-1,2-Dichloroethylene	<0.50	0.50	ug/L							
cis-1,2-Dichloroethylene	<0.50	0.50	ug/L							
1,2-Dichloropropane	<0.50	0.50	ug/L							
2,2-Dichloropropane	<0.50	0.50	ug/L							
1,3-Dichloropropane	<0.50	0.50	ug/L							
cis-1,3-Dichloropropylene	<0.50	0.50	ug/L							
trans-1,3-Dichloropropylene	<0.50	0.50	ug/L							
1,1-Dichloropropylene	<0.50	0.50	ug/L							
Diisopropyl ether (DIPE)	<2.0	2.0	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Ethyl-tert-Butyl Ether (ETBE)	<2.0	2.0	ug/L							
Hexachlorobutadiene	<1.0	1.0	ug/L							
2-Hexanone (MBK)	<10	10	ug/L							
Isopropylbenzene	<0.50	0.50	ug/L							
4-Isopropyltoluene	<1.0	1.0	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<1.2	1.2	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
4-Methyl-2-pentanone (MIBK)	<10	10	ug/L							
Naphthalene	<2.0	2.0	ug/L							
n-Propylbenzene	<0.50	0.50	ug/L							
Styrene	<0.50	0.50	ug/L							
1,1,1,2-Tetrachloroethane	<0.50	0.50	ug/L							
1,1,2,2-Tetrachloroethane	<0.50	0.50	ug/L							
Tetrachloroethylene (PCE)	<0.50	0.50	ug/L							
Toluene	<0.50	0.50	ug/L							
1,2,3-Trichlorobenzene	<0.50	0.50	ug/L							
1,2,4-Trichlorobenzene	<0.50	0.50	ug/L							
1,1,1-Trichloroethane	<0.50	0.50	ug/L							
1,1,2-Trichloroethane	<0.50	0.50	ug/L							
Trichloroethylene (TCE)	<0.50	0.50	ug/L							
Trichlorofluoromethane (R11)	<0.50	0.50	ug/L							
1,2,3-Trichloropropane	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1325 - EPA 5030B</i>										
Blank (B9K1325-BLK1) Continued										
Prepared & Analyzed: 11/13/19										
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	0.50	ug/L							
1,3,5-Trimethylbenzene	<0.50	0.50	ug/L							
1,2,4-Trimethylbenzene	<0.50	0.50	ug/L							
Vinyl chloride	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>46.3</i>		<i>ug/L</i>	<i>50</i>		<i>92.6</i>	<i>80-129</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>44.4</i>		<i>ug/L</i>	<i>50</i>		<i>88.9</i>	<i>68-137</i>			
<i>Surrogate: Toluene-d8</i>	<i>45.5</i>		<i>ug/L</i>	<i>50</i>		<i>91.0</i>	<i>83-134</i>			
LCS (B9K1325-BS1)										
Prepared & Analyzed: 11/13/19										
Acetone	19.9	10	ug/L	20		99.5	27-123			
tert-Amyl-Methyl Ether (TAME)	18.8	2.0	ug/L	20		93.8	58-133			
Benzene	19.3	0.50	ug/L	20		96.4	60-134			
Bromobenzene	22.8	0.50	ug/L	20		114	70-130			
Bromochloromethane	20.5	0.50	ug/L	20		102	78-121			
Bromodichloromethane	18.9	0.50	ug/L	20		94.6	74-135			
Bromoform	21.5	0.50	ug/L	20		107	68-132			
Bromomethane	21.4	0.50	ug/L	20		107	58-142			
2-Butanone (MEK)	19.2	10	ug/L	20		95.8	62-138			
tert-Butyl Alcohol (TBA)	90.4	10	ug/L	100		90.4	65-148			
sec-Butylbenzene	20.9	0.50	ug/L	20		104	84-142			
tert-Butylbenzene	22.0	0.50	ug/L	20		110	70-130			
n-Butylbenzene	20.9	0.50	ug/L	20		104	70-130			
Carbon Disulfide	16.1	0.50	ug/L	20		80.4	17-177			
Carbon Tetrachloride	19.4	0.50	ug/L	20		97.0	66-155			
Chlorobenzene	21.8	0.50	ug/L	20		109	70-130			
Chloroethane	22.1	0.50	ug/L	20		111	45-166			
Chloroform	18.2	0.50	ug/L	20		91.2	71-131			
Chloromethane	16.9	0.50	ug/L	20		84.6	48-152			
2-Chlorotoluene	20.9	0.50	ug/L	20		104	70-130			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1325 - EPA 5030B</i>										
LCS (B9K1325-BS1) Continued										
Prepared & Analyzed: 11/13/19										
4-Chlorotoluene	21.2	0.50	ug/L	20		106	70-130			
1,2-Dibromo-3-chloropropane	20.1	1.0	ug/L	20		100	53-145			
Dibromochloromethane	22.8	0.50	ug/L	20		114	72-133			
1,2-Dibromoethane (EDB)	22.2	0.50	ug/L	20		111	79-120			
Dibromomethane	19.5	0.50	ug/L	20		97.5	68-124			
1,3-Dichlorobenzene	22.1	0.50	ug/L	20		110	70-130			
1,2-Dichlorobenzene	22.6	0.50	ug/L	20		113	70-130			
1,4-Dichlorobenzene	22.0	0.50	ug/L	20		110	70-130			
Dichlorodifluoromethane (R12)	11.5	0.50	ug/L	20		57.5	16-148			
1,1-Dichloroethane	17.0	0.50	ug/L	20		85.2	67-120			
1,2-Dichloroethane (EDC)	16.7	0.50	ug/L	20		83.3	57-156			
1,1-Dichloroethylene	17.4	0.50	ug/L	20		87.1	50-149			
trans-1,2-Dichloroethylene	19.2	0.50	ug/L	20		95.8	66-126			
cis-1,2-Dichloroethylene	19.6	0.50	ug/L	20		98.0	70-124			
1,2-Dichloropropane	18.9	0.50	ug/L	20		94.5	53-139			
2,2-Dichloropropane	17.6	0.50	ug/L	20		87.8	44-162			
1,3-Dichloropropane	20.4	0.50	ug/L	20		102	79-113			
cis-1,3-Dichloropropylene	19.8	0.50	ug/L	20		99.2	67-127			
trans-1,3-Dichloropropylene	20.6	0.50	ug/L	20		103	76-121			
1,1-Dichloropropylene	19.0	0.50	ug/L	20		95.2	84-124			
Diisopropyl ether (DIPE)	18.0	2.0	ug/L	20		90.0	51-136			
Ethylbenzene	21.7	0.50	ug/L	20		108	86-124			
Ethyl-tert-Butyl Ether (ETBE)	18.2	2.0	ug/L	20		90.8	62-136			
Hexachlorobutadiene	22.7	1.0	ug/L	20		113	76-140			
2-Hexanone (MBK)	18.7	10	ug/L	20		93.5	52-123			
Isopropylbenzene	22.2	0.50	ug/L	20		111	70-130			
4-Isopropyltoluene	22.3	1.0	ug/L	20		112	70-130			
Methyl-tert-Butyl Ether (MTBE)	37.2	1.2	ug/L	40		93.1	58-144			
Methylene Chloride	16.5	5.0	ug/L	20		82.5	50-135			
4-Methyl-2-pentanone (MIBK)	21.0	10	ug/L	20		105	49-139			
Naphthalene	24.7	2.0	ug/L	20		124	74-128			
n-Propylbenzene	20.8	0.50	ug/L	20		104	70-130			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1325 - EPA 5030B</i>										
LCS (B9K1325-BS1) Continued										
Prepared & Analyzed: 11/13/19										
Styrene	22.2	0.50	ug/L	20		111	84-123			
1,1,1,2-Tetrachloroethane	22.5	0.50	ug/L	20		113	70-130			
1,1,2,2-Tetrachloroethane	20.0	0.50	ug/L	20		100	58-126			
Tetrachloroethylene (PCE)	22.2	0.50	ug/L	20		111	70-130			
Toluene	20.5	0.50	ug/L	20		103	83-118			
1,2,3-Trichlorobenzene	22.4	0.50	ug/L	20		112	77-134			
1,2,4-Trichlorobenzene	23.2	0.50	ug/L	20		116	84-128			
1,1,1-Trichloroethane	19.0	0.50	ug/L	20		95.1	66-158			
1,1,2-Trichloroethane	21.5	0.50	ug/L	20		107	75-115			
Trichloroethylene (TCE)	19.8	0.50	ug/L	20		99.0	82-128			
Trichlorofluoromethane (R11)	16.1	0.50	ug/L	20		80.5	65-137			
1,2,3-Trichloropropane	20.3	0.50	ug/L	20		102	68-123			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	15.3	0.50	ug/L	20		76.5	62-130			
1,3,5-Trimethylbenzene	21.7	0.50	ug/L	20		108	70-130			
1,2,4-Trimethylbenzene	22.0	0.50	ug/L	20		110	70-130			
Vinyl chloride	18.5	0.50	ug/L	20		92.6	51-151			
o-Xylene	21.2	0.50	ug/L	20		106	70-130			
m,p-Xylenes	43.2	1.0	ug/L	40		108	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	44.2		ug/L	50		88.3	80-129			
<i>Surrogate: Dibromofluoromethane</i>	41.6		ug/L	50		83.2	68-137			
<i>Surrogate: Toluene-d8</i>	44.8		ug/L	50		89.7	83-134			
LCS Dup (B9K1325-BSD1)										
Prepared & Analyzed: 11/13/19										
Acetone	14.2	10	ug/L	20		70.8	27-123	33.6	30	QR-02
tert-Amyl-Methyl Ether (TAME)	16.5	2.0	ug/L	20		82.6	58-133	12.8	30	
Benzene	18.3	0.50	ug/L	20		91.7	60-134	5.00	30	
Bromobenzene	22.4	0.50	ug/L	20		112	70-130	1.68	30	
Bromochloromethane	20.0	0.50	ug/L	20		99.9	78-121	2.52	30	
Bromodichloromethane	17.8	0.50	ug/L	20		89.2	74-135	5.82	30	
Bromoform	19.9	0.50	ug/L	20		99.6	68-132	7.53	30	
Bromomethane	20.4	0.50	ug/L	20		102	58-142	4.69	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1325 - EPA 5030B</i>										
LCS Dup (B9K1325-BSD1) Continued										
Prepared & Analyzed: 11/13/19										
2-Butanone (MEK)	17.8	10	ug/L	20		88.8	62-138	7.53	30	
tert-Butyl Alcohol (TBA)	90.1	10	ug/L	100		90.1	65-148	0.355	30	
sec-Butylbenzene	21.1	0.50	ug/L	20		105	84-142	0.906	30	
tert-Butylbenzene	22.3	0.50	ug/L	20		112	70-130	1.40	30	
n-Butylbenzene	20.7	0.50	ug/L	20		104	70-130	0.913	30	
Carbon Disulfide	15.2	0.50	ug/L	20		76.2	17-177	5.36	30	
Carbon Tetrachloride	19.1	0.50	ug/L	20		95.5	66-155	1.51	30	
Chlorobenzene	21.9	0.50	ug/L	20		109	70-130	0.183	30	
Chloroethane	20.3	0.50	ug/L	20		102	45-166	8.48	30	
Chloroform	17.5	0.50	ug/L	20		87.6	71-131	4.03	30	
Chloromethane	16.1	0.50	ug/L	20		80.4	48-152	5.03	30	
2-Chlorotoluene	21.0	0.50	ug/L	20		105	70-130	0.525	30	
4-Chlorotoluene	21.0	0.50	ug/L	20		105	70-130	0.851	30	
1,2-Dibromo-3-chloropropane	16.8	1.0	ug/L	20		84.0	53-145	17.7	30	
Dibromochloromethane	21.6	0.50	ug/L	20		108	72-133	5.35	30	
1,2-Dibromoethane (EDB)	20.7	0.50	ug/L	20		104	79-120	6.81	30	
Dibromomethane	18.4	0.50	ug/L	20		91.8	68-124	6.02	30	
1,3-Dichlorobenzene	21.9	0.50	ug/L	20		109	70-130	1.00	30	
1,2-Dichlorobenzene	22.1	0.50	ug/L	20		111	70-130	2.28	30	
1,4-Dichlorobenzene	21.6	0.50	ug/L	20		108	70-130	1.51	30	
Dichlorodifluoromethane (R12)	10.9	0.50	ug/L	20		54.5	16-148	5.36	30	
1,1-Dichloroethane	16.2	0.50	ug/L	20		81.0	67-120	5.05	30	
1,2-Dichloroethane (EDC)	15.7	0.50	ug/L	20		78.7	57-156	5.68	30	
1,1-Dichloroethylene	16.9	0.50	ug/L	20		84.6	50-149	2.97	30	
trans-1,2-Dichloroethylene	18.4	0.50	ug/L	20		92.0	66-126	4.15	30	
cis-1,2-Dichloroethylene	19.2	0.50	ug/L	20		96.2	70-124	1.75	30	
1,2-Dichloropropane	17.4	0.50	ug/L	20		87.1	53-139	8.15	30	
2,2-Dichloropropane	14.5	0.50	ug/L	20		72.6	44-162	19.1	30	
1,3-Dichloropropane	19.0	0.50	ug/L	20		95.2	79-113	6.94	30	
cis-1,3-Dichloropropylene	17.6	0.50	ug/L	20		88.2	67-127	11.6	30	
trans-1,3-Dichloropropylene	19.2	0.50	ug/L	20		95.9	76-121	7.33	30	
1,1-Dichloropropylene	18.2	0.50	ug/L	20		91.2	84-124	4.29	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1325 - EPA 5030B</i>										
LCS Dup (B9K1325-BSD1) Continued										
Prepared & Analyzed: 11/13/19										
Diisopropyl ether (DIPE)	16.2	2.0	ug/L	20		81.1	51-136	10.4	30	
Ethylbenzene	21.9	0.50	ug/L	20		109	86-124	0.873	30	
Ethyl-tert-Butyl Ether (ETBE)	16.1	2.0	ug/L	20		80.5	62-136	12.0	30	
Hexachlorobutadiene	22.7	1.0	ug/L	20		113	76-140	0.0441	30	
2-Hexanone (MBK)	15.0	10	ug/L	20		75.0	52-123	21.9	30	
Isopropylbenzene	22.6	0.50	ug/L	20		113	70-130	2.05	30	
4-Isopropyltoluene	22.6	1.0	ug/L	20		113	70-130	1.29	30	
Methyl-tert-Butyl Ether (MTBE)	32.4	1.2	ug/L	40		81.1	58-144	13.7	30	
Methylene Chloride	15.4	5.0	ug/L	20		77.2	50-135	6.64	30	
4-Methyl-2-pentanone (MIBK)	17.0	10	ug/L	20		84.9	49-139	21.4	30	
Naphthalene	21.2	2.0	ug/L	20		106	74-128	15.3	30	
n-Propylbenzene	20.9	0.50	ug/L	20		105	70-130	0.431	30	
Styrene	22.1	0.50	ug/L	20		111	84-123	0.496	30	
1,1,1,2-Tetrachloroethane	22.4	0.50	ug/L	20		112	70-130	0.267	30	
1,1,2,2-Tetrachloroethane	17.7	0.50	ug/L	20		88.4	58-126	12.3	30	
Tetrachloroethylene (PCE)	23.1	0.50	ug/L	20		115	70-130	3.89	30	
Toluene	20.8	0.50	ug/L	20		104	83-118	1.55	30	
1,2,3-Trichlorobenzene	20.5	0.50	ug/L	20		102	77-134	9.23	30	
1,2,4-Trichlorobenzene	21.7	0.50	ug/L	20		108	84-128	6.73	30	
1,1,1-Trichloroethane	18.4	0.50	ug/L	20		92.2	66-158	3.15	30	
1,1,2-Trichloroethane	19.6	0.50	ug/L	20		98.2	75-115	8.85	30	
Trichloroethylene (TCE)	18.8	0.50	ug/L	20		94.2	82-128	4.97	30	
Trichlorofluoromethane (R11)	16.2	0.50	ug/L	20		81.0	65-137	0.557	30	
1,2,3-Trichloropropane	17.3	0.50	ug/L	20		86.4	68-123	16.2	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	15.1	0.50	ug/L	20		75.5	62-130	1.32	30	
1,3,5-Trimethylbenzene	22.0	0.50	ug/L	20		110	70-130	1.51	30	
1,2,4-Trimethylbenzene	22.2	0.50	ug/L	20		111	70-130	0.907	30	
Vinyl chloride	18.7	0.50	ug/L	20		93.6	51-151	1.18	30	
o-Xylene	21.3	0.50	ug/L	20		107	70-130	0.612	30	
m,p-Xylenes	43.6	1.0	ug/L	40		109	70-130	1.01	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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VOCs & OXYGENATES by GC/MS - Quality Control

Batch B9K1325 - EPA 5030B

LCS Dup (B9K1325-BSD1) Continued

Prepared & Analyzed: 11/13/19

Surrogate: 4-Bromofluorobenzene	43.9		ug/L	50		87.7	80-129			
Surrogate: Dibromofluoromethane	40.7		ug/L	50		81.4	68-137			
Surrogate: Toluene-d8	45.6		ug/L	50		91.1	83-134			

Matrix Spike (B9K1325-MS1)

Source: 9K06024-13 Prepared & Analyzed: 11/13/19

Acetone	27.5	10	ug/L	20	15.2	61.8	11-169			
tert-Amyl-Methyl Ether (TAME)	18.1	2.0	ug/L	20		90.4	66-133			
Benzene	19.2	0.50	ug/L	20		96.2	56-135			
Bromobenzene	22.4	0.50	ug/L	20		112	70-130			
Bromochloromethane	20.4	0.50	ug/L	20		102	74-125			
Bromodichloromethane	19.0	0.50	ug/L	20		94.9	68-144			
Bromoform	20.0	0.50	ug/L	20		100	68-151			
Bromomethane	18.7	0.50	ug/L	20		93.3	54-142			
2-Butanone (MEK)	16.5	10	ug/L	20		82.4	62-145			
tert-Butyl Alcohol (TBA)	95.2	10	ug/L	100	7.64	87.6	73-162			
sec-Butylbenzene	20.8	0.50	ug/L	20		104	84-145			
tert-Butylbenzene	22.3	0.50	ug/L	20		111	70-130			
n-Butylbenzene	20.7	0.50	ug/L	20		103	70-130			
Carbon Disulfide	15.8	0.50	ug/L	20		79.1	28-151			
Carbon Tetrachloride	19.5	0.50	ug/L	20		97.7	58-164			
Chlorobenzene	21.8	0.50	ug/L	20		109	70-130			
Chloroethane	20.5	0.50	ug/L	20		103	42-164			
Chloroform	18.1	0.50	ug/L	20		90.7	65-138			
Chloromethane	16.0	0.50	ug/L	20		80.0	50-152			
2-Chlorotoluene	20.8	0.50	ug/L	20		104	70-130			
4-Chlorotoluene	20.9	0.50	ug/L	20		105	70-130			
1,2-Dibromo-3-chloropropane	18.4	1.0	ug/L	20		92.0	53-161			
Dibromochloromethane	21.7	0.50	ug/L	20		108	70-130			
1,2-Dibromoethane (EDB)	21.4	0.50	ug/L	20		107	76-130			
Dibromomethane	19.1	0.50	ug/L	20		95.7	62-135			
1,3-Dichlorobenzene	21.8	0.50	ug/L	20		109	70-130			
1,2-Dichlorobenzene	22.1	0.50	ug/L	20		110	70-130			
1,4-Dichlorobenzene	21.4	0.50	ug/L	20		107	70-130			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1325 - EPA 5030B</i>										
Matrix Spike (B9K1325-MS1) Continued Source: 9K06024-13 Prepared & Analyzed: 11/13/19										
Dichlorodifluoromethane (R12)	10.4	0.50	ug/L	20		52.0	17-153			
1,1-Dichloroethane	16.5	0.50	ug/L	20		82.6	55-131			
1,2-Dichloroethane (EDC)	16.3	0.50	ug/L	20		81.4	52-168			
1,1-Dichloroethylene	17.3	0.50	ug/L	20		86.7	51-140			
trans-1,2-Dichloroethylene	18.8	0.50	ug/L	20		93.8	59-127			
cis-1,2-Dichloroethylene	19.8	0.50	ug/L	20		98.8	70-130			
1,2-Dichloropropane	18.6	0.50	ug/L	20		93.2	52-142			
2,2-Dichloropropane	15.7	0.50	ug/L	20		78.4	36-168			
1,3-Dichloropropane	19.5	0.50	ug/L	20		97.4	80-121			
cis-1,3-Dichloropropylene	18.8	0.50	ug/L	20		94.2	66-130			
trans-1,3-Dichloropropylene	19.7	0.50	ug/L	20		98.5	78-130			
1,1-Dichloropropylene	19.0	0.50	ug/L	20		94.8	76-132			
Diisopropyl ether (DIPE)	17.7	2.0	ug/L	20		88.6	52-138			
Ethylbenzene	21.8	0.50	ug/L	20		109	86-128			
Ethyl-tert-Butyl Ether (ETBE)	17.7	2.0	ug/L	20		88.4	64-137			
Hexachlorobutadiene	21.9	1.0	ug/L	20		110	70-130			
2-Hexanone (MBK)	16.9	10	ug/L	20		84.6	52-141			
Isopropylbenzene	22.4	0.50	ug/L	20		112	70-130			
4-Isopropyltoluene	22.1	1.0	ug/L	20		111	83-149			
Methyl-tert-Butyl Ether (MTBE)	36.7	1.2	ug/L	40		91.7	56-150			
Methylene Chloride	16.4	5.0	ug/L	20		82.0	70-130			
4-Methyl-2-pentanone (MIBK)	18.5	10	ug/L	20		92.6	60-148			
Naphthalene	27.7	2.0	ug/L	20		138	70-130			QM-07
n-Propylbenzene	20.8	0.50	ug/L	20		104	70-130			
Styrene	21.8	0.50	ug/L	20		109	65-141			
1,1,1,2-Tetrachloroethane	22.2	0.50	ug/L	20		111	70-130			
1,1,2,2-Tetrachloroethane	19.1	0.50	ug/L	20		95.6	62-134			
Tetrachloroethylene (PCE)	22.0	0.50	ug/L	20		110	70-130			
Toluene	20.6	0.50	ug/L	20		103	81-123			
1,2,3-Trichlorobenzene	21.3	0.50	ug/L	20		107	73-144			
1,2,4-Trichlorobenzene	22.0	0.50	ug/L	20		110	80-137			
1,1,1-Trichloroethane	19.0	0.50	ug/L	20		95.2	62-164			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1325 - EPA 5030B</i>										
Matrix Spike (B9K1325-MS1) Continued Source: 9K06024-13 Prepared & Analyzed: 11/13/19										
1,1,2-Trichloroethane	20.4	0.50	ug/L	20		102	76-122			
Trichloroethylene (TCE)	19.3	0.50	ug/L	20		96.5	72-136			
Trichlorofluoromethane (R11)	17.3	0.50	ug/L	20		86.6	59-144			
1,2,3-Trichloropropane	18.5	0.50	ug/L	20		92.6	69-135			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	16.2	0.50	ug/L	20		80.8	62-126			
1,3,5-Trimethylbenzene	21.6	0.50	ug/L	20		108	70-130			
1,2,4-Trimethylbenzene	21.9	0.50	ug/L	20		109	89-134			
Vinyl chloride	17.7	0.50	ug/L	20		88.6	54-150			
o-Xylene	20.9	0.50	ug/L	20		104	70-130			
m,p-Xylenes	43.2	1.0	ug/L	40		108	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	44.5		ug/L	50		89.0	80-129			
<i>Surrogate: Dibromofluoromethane</i>	41.5		ug/L	50		83.0	68-137			
<i>Surrogate: Toluene-d8</i>	45.4		ug/L	50		90.8	83-134			
Matrix Spike Dup (B9K1325-MSD1) Source: 9K06024-13 Prepared & Analyzed: 11/13/19										
Acetone	24.4	10	ug/L	20	15.2	46.0	11-169	12.1	30	
tert-Amyl-Methyl Ether (TAME)	17.3	2.0	ug/L	20		86.3	66-133	4.64	30	
Benzene	18.7	0.50	ug/L	20		93.4	56-135	2.90	30	
Bromobenzene	22.8	0.50	ug/L	20		114	70-130	2.03	30	
Bromochloromethane	20.1	0.50	ug/L	20		101	74-125	1.43	30	
Bromodichloromethane	18.3	0.50	ug/L	20		91.7	68-144	3.43	30	
Bromoform	20.8	0.50	ug/L	20		104	68-151	4.16	30	
Bromomethane	21.0	0.50	ug/L	20		105	54-142	11.9	30	
2-Butanone (MEK)	16.6	10	ug/L	20		82.8	62-145	0.424	30	
tert-Butyl Alcohol (TBA)	92.1	10	ug/L	100	7.64	84.5	73-162	3.31	30	
sec-Butylbenzene	21.2	0.50	ug/L	20		106	84-145	1.71	30	
tert-Butylbenzene	22.6	0.50	ug/L	20		113	70-130	1.69	30	
n-Butylbenzene	21.1	0.50	ug/L	20		106	70-130	2.01	30	
Carbon Disulfide	15.4	0.50	ug/L	20		77.2	28-151	2.37	30	
Carbon Tetrachloride	19.6	0.50	ug/L	20		97.8	58-164	0.0512	30	
Chlorobenzene	22.1	0.50	ug/L	20		111	70-130	1.64	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1325 - EPA 5030B</i>										
Matrix Spike Dup (B9K1325-MSD1) Source: 9K06024-13 Prepared & Analyzed: 11/13/19										
Continued										
Chloroethane	20.4	0.50	ug/L	20		102	42-164	0.783	30	
Chloroform	17.4	0.50	ug/L	20		86.8	65-138	4.45	30	
Chloromethane	16.2	0.50	ug/L	20		81.2	50-152	1.49	30	
2-Chlorotoluene	21.2	0.50	ug/L	20		106	70-130	1.67	30	
4-Chlorotoluene	21.4	0.50	ug/L	20		107	70-130	2.41	30	
1,2-Dibromo-3-chloropropane	18.9	1.0	ug/L	20		94.4	53-161	2.63	30	
Dibromochloromethane	21.9	0.50	ug/L	20		110	70-130	1.10	30	
1,2-Dibromoethane (EDB)	21.5	0.50	ug/L	20		108	76-130	0.699	30	
Dibromomethane	18.8	0.50	ug/L	20		94.0	62-135	1.74	30	
1,3-Dichlorobenzene	22.2	0.50	ug/L	20		111	70-130	1.50	30	
1,2-Dichlorobenzene	22.8	0.50	ug/L	20		114	70-130	3.43	30	
1,4-Dichlorobenzene	22.3	0.50	ug/L	20		112	70-130	4.44	30	
Dichlorodifluoromethane (R12)	10.1	0.50	ug/L	20		50.7	17-153	2.63	30	
1,1-Dichloroethane	16.4	0.50	ug/L	20		82.2	55-131	0.425	30	
1,2-Dichloroethane (EDC)	16.1	0.50	ug/L	20		80.6	52-168	1.11	30	
1,1-Dichloroethylene	16.7	0.50	ug/L	20		83.6	51-140	3.64	30	
trans-1,2-Dichloroethylene	18.3	0.50	ug/L	20		91.5	59-127	2.43	30	
cis-1,2-Dichloroethylene	19.3	0.50	ug/L	20		96.4	70-130	2.36	30	
1,2-Dichloropropane	18.1	0.50	ug/L	20		90.6	52-142	2.94	30	
2,2-Dichloropropane	15.0	0.50	ug/L	20		74.8	36-168	4.63	30	
1,3-Dichloropropane	19.6	0.50	ug/L	20		98.2	80-121	0.818	30	
cis-1,3-Dichloropropylene	18.3	0.50	ug/L	20		91.6	66-130	2.74	30	
trans-1,3-Dichloropropylene	19.8	0.50	ug/L	20		99.2	78-130	0.759	30	
1,1-Dichloropropylene	18.6	0.50	ug/L	20		93.0	76-132	1.97	30	
Diisopropyl ether (DIPE)	17.0	2.0	ug/L	20		85.0	52-138	4.15	30	
Ethylbenzene	22.0	0.50	ug/L	20		110	86-128	1.01	30	
Ethyl-tert-Butyl Ether (ETBE)	17.0	2.0	ug/L	20		84.8	64-137	4.16	30	
Hexachlorobutadiene	23.1	1.0	ug/L	20		115	70-130	5.15	30	
2-Hexanone (MBK)	16.4	10	ug/L	20		82.0	52-141	3.00	30	
Isopropylbenzene	22.9	0.50	ug/L	20		115	70-130	2.43	30	
4-Isopropyltoluene	22.9	1.0	ug/L	20		115	83-149	3.55	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1325 - EPA 5030B</i>										
Matrix Spike Dup (B9K1325-MSD1) Source: 9K06024-13 Prepared & Analyzed: 11/13/19										
Continued										
Methyl-tert-Butyl Ether (MTBE)	35.4	1.2	ug/L	40		88.5	56-150	3.55	30	
Methylene Chloride	16.1	5.0	ug/L	20		80.4	70-130	1.97	30	
4-Methyl-2-pentanone (MIBK)	18.7	10	ug/L	20		93.4	60-148	0.807	30	
Naphthalene	24.2	2.0	ug/L	20		121	70-130	13.2	30	
n-Propylbenzene	21.1	0.50	ug/L	20		106	70-130	1.57	30	
Styrene	22.0	0.50	ug/L	20		110	65-141	0.776	30	
1,1,1,2-Tetrachloroethane	22.5	0.50	ug/L	20		112	70-130	1.30	30	
1,1,2,2-Tetrachloroethane	18.9	0.50	ug/L	20		94.4	62-134	1.21	30	
Tetrachloroethylene (PCE)	23.0	0.50	ug/L	20		115	70-130	4.45	30	
Toluene	20.8	0.50	ug/L	20		104	81-123	0.676	30	
1,2,3-Trichlorobenzene	22.5	0.50	ug/L	20		112	73-144	5.43	30	
1,2,4-Trichlorobenzene	22.9	0.50	ug/L	20		114	80-137	4.24	30	
1,1,1-Trichloroethane	18.7	0.50	ug/L	20		93.6	62-164	1.75	30	
1,1,2-Trichloroethane	20.8	0.50	ug/L	20		104	76-122	1.85	30	
Trichloroethylene (TCE)	19.3	0.50	ug/L	20		96.4	72-136	0.156	30	
Trichlorofluoromethane (R11)	16.2	0.50	ug/L	20		81.0	59-144	6.74	30	
1,2,3-Trichloropropane	18.8	0.50	ug/L	20		94.0	69-135	1.39	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	15.5	0.50	ug/L	20		77.4	62-126	4.23	30	
1,3,5-Trimethylbenzene	22.3	0.50	ug/L	20		112	70-130	3.28	30	
1,2,4-Trimethylbenzene	22.2	0.50	ug/L	20		111	89-134	1.63	30	
Vinyl chloride	17.4	0.50	ug/L	20		87.0	54-150	1.76	30	
o-Xylene	21.3	0.50	ug/L	20		107	70-130	2.04	30	
m,p-Xylenes	44.2	1.0	ug/L	40		110	70-130	2.27	30	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>44.2</i>		<i>ug/L</i>	<i>50</i>		<i>88.4</i>	<i>80-129</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>40.0</i>		<i>ug/L</i>	<i>50</i>		<i>79.9</i>	<i>68-137</i>			
<i>Surrogate: Toluene-d8</i>	<i>45.2</i>		<i>ug/L</i>	<i>50</i>		<i>90.5</i>	<i>83-134</i>			
<i>Batch B9K1328 - EPA 5030B</i>										
Blank (B9K1328-BLK1) Prepared & Analyzed: 11/13/19										
Acetone	<10	10	ug/L							

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1328 - EPA 5030B</i>										
Blank (B9K1328-BLK1) Continued										
Prepared & Analyzed: 11/13/19										
tert-Amyl-Methyl Ether (TAME)	<2.0	2.0	ug/L							
Benzene	<0.50	0.50	ug/L							
Bromobenzene	<0.50	0.50	ug/L							
Bromochloromethane	<0.50	0.50	ug/L							
Bromodichloromethane	<0.50	0.50	ug/L							
Bromoform	<0.50	0.50	ug/L							
Bromomethane	<0.50	0.50	ug/L							
2-Butanone (MEK)	<10	10	ug/L							
tert-Butyl Alcohol (TBA)	<10	10	ug/L							
sec-Butylbenzene	<0.50	0.50	ug/L							
tert-Butylbenzene	<0.50	0.50	ug/L							
n-Butylbenzene	<0.50	0.50	ug/L							
Carbon Disulfide	<0.50	0.50	ug/L							
Carbon Tetrachloride	<0.50	0.50	ug/L							
Chlorobenzene	<0.50	0.50	ug/L							
Chloroethane	<0.50	0.50	ug/L							
Chloroform	<0.50	0.50	ug/L							
Chloromethane	<0.50	0.50	ug/L							
2-Chlorotoluene	<0.50	0.50	ug/L							
4-Chlorotoluene	<0.50	0.50	ug/L							
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L							
Dibromochloromethane	<0.50	0.50	ug/L							
1,2-Dibromoethane (EDB)	<0.50	0.50	ug/L							
Dibromomethane	<0.50	0.50	ug/L							
1,3-Dichlorobenzene	<0.50	0.50	ug/L							
1,2-Dichlorobenzene	<0.50	0.50	ug/L							
1,4-Dichlorobenzene	<0.50	0.50	ug/L							
Dichlorodifluoromethane (R12)	<0.50	0.50	ug/L							
1,1-Dichloroethane	<0.50	0.50	ug/L							
1,2-Dichloroethane (EDC)	<0.50	0.50	ug/L							
1,1-Dichloroethylene	<0.50	0.50	ug/L							
trans-1,2-Dichloroethylene	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control									
<i>Batch B9K1328 - EPA 5030B</i>									
Blank (B9K1328-BLK1) Continued					Prepared & Analyzed: 11/13/19				
cis-1,2-Dichloroethylene	<0.50	0.50	ug/L						
1,2-Dichloropropane	<0.50	0.50	ug/L						
2,2-Dichloropropane	<0.50	0.50	ug/L						
1,3-Dichloropropane	<0.50	0.50	ug/L						
cis-1,3-Dichloropropylene	<0.50	0.50	ug/L						
trans-1,3-Dichloropropylene	<0.50	0.50	ug/L						
1,1-Dichloropropylene	<0.50	0.50	ug/L						
Diisopropyl ether (DIPE)	<2.0	2.0	ug/L						
Ethylbenzene	<0.50	0.50	ug/L						
Ethyl-tert-Butyl Ether (ETBE)	<2.0	2.0	ug/L						
Hexachlorobutadiene	<1.0	1.0	ug/L						
2-Hexanone (MBK)	<10	10	ug/L						
Isopropylbenzene	<0.50	0.50	ug/L						
4-Isopropyltoluene	<1.0	1.0	ug/L						
Methyl-tert-Butyl Ether (MTBE)	<1.2	1.2	ug/L						
Methylene Chloride	<5.0	5.0	ug/L						
4-Methyl-2-pentanone (MIBK)	<10	10	ug/L						
Naphthalene	<2.0	2.0	ug/L						
n-Propylbenzene	<0.50	0.50	ug/L						
Styrene	<0.50	0.50	ug/L						
1,1,1,2-Tetrachloroethane	<0.50	0.50	ug/L						
1,1,2,2-Tetrachloroethane	<0.50	0.50	ug/L						
Tetrachloroethylene (PCE)	<0.50	0.50	ug/L						
Toluene	<0.50	0.50	ug/L						
1,2,3-Trichlorobenzene	<0.50	0.50	ug/L						
1,2,4-Trichlorobenzene	<0.50	0.50	ug/L						
1,1,1-Trichloroethane	<0.50	0.50	ug/L						
1,1,2-Trichloroethane	<0.50	0.50	ug/L						
Trichloroethylene (TCE)	<0.50	0.50	ug/L						
Trichlorofluoromethane (R11)	<0.50	0.50	ug/L						
1,2,3-Trichloropropane	<0.50	0.50	ug/L						

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1328 - EPA 5030B</i>										
Blank (B9K1328-BLK1) Continued										
Prepared & Analyzed: 11/13/19										
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	0.50	ug/L							
1,3,5-Trimethylbenzene	<0.50	0.50	ug/L							
1,2,4-Trimethylbenzene	<0.50	0.50	ug/L							
Vinyl chloride	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>51.6</i>		<i>ug/L</i>	<i>50</i>		<i>103</i>	<i>80-129</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>44.2</i>		<i>ug/L</i>	<i>50</i>		<i>88.3</i>	<i>68-137</i>			
<i>Surrogate: Toluene-d8</i>	<i>47.5</i>		<i>ug/L</i>	<i>50</i>		<i>95.1</i>	<i>83-134</i>			
LCS (B9K1328-BS1)										
Prepared & Analyzed: 11/13/19										
Acetone	20.5	10	ug/L	20		102	27-123			
tert-Amyl-Methyl Ether (TAME)	21.3	2.0	ug/L	20		107	58-133			
Benzene	20.6	0.50	ug/L	20		103	60-134			
Bromobenzene	21.9	0.50	ug/L	20		109	70-130			
Bromochloromethane	20.2	0.50	ug/L	20		101	78-121			
Bromodichloromethane	21.6	0.50	ug/L	20		108	74-135			
Bromoform	21.1	0.50	ug/L	20		105	68-132			
Bromomethane	22.8	0.50	ug/L	20		114	58-142			
2-Butanone (MEK)	20.0	10	ug/L	20		99.9	62-138			
tert-Butyl Alcohol (TBA)	104	10	ug/L	100		104	65-148			
sec-Butylbenzene	22.6	0.50	ug/L	20		113	84-142			
tert-Butylbenzene	22.4	0.50	ug/L	20		112	70-130			
n-Butylbenzene	22.2	0.50	ug/L	20		111	70-130			
Carbon Disulfide	19.0	0.50	ug/L	20		95.2	17-177			
Carbon Tetrachloride	21.3	0.50	ug/L	20		106	66-155			
Chlorobenzene	21.7	0.50	ug/L	20		108	70-130			
Chloroethane	21.5	0.50	ug/L	20		107	45-166			
Chloroform	20.8	0.50	ug/L	20		104	71-131			
Chloromethane	17.3	0.50	ug/L	20		86.6	48-152			
2-Chlorotoluene	21.7	0.50	ug/L	20		108	70-130			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1328 - EPA 5030B</i>										
LCS (B9K1328-BS1) Continued										
Prepared & Analyzed: 11/13/19										
4-Chlorotoluene	21.9	0.50	ug/L	20		110	70-130			
1,2-Dibromo-3-chloropropane	23.9	1.0	ug/L	20		120	53-145			
Dibromochloromethane	22.8	0.50	ug/L	20		114	72-133			
1,2-Dibromoethane (EDB)	22.7	0.50	ug/L	20		114	79-120			
Dibromomethane	21.5	0.50	ug/L	20		108	68-124			
1,3-Dichlorobenzene	22.2	0.50	ug/L	20		111	70-130			
1,2-Dichlorobenzene	22.8	0.50	ug/L	20		114	70-130			
1,4-Dichlorobenzene	21.9	0.50	ug/L	20		110	70-130			
Dichlorodifluoromethane (R12)	16.0	0.50	ug/L	20		80.0	16-148			
1,1-Dichloroethane	20.8	0.50	ug/L	20		104	67-120			
1,2-Dichloroethane (EDC)	21.1	0.50	ug/L	20		106	57-156			
1,1-Dichloroethylene	19.0	0.50	ug/L	20		95.1	50-149			
trans-1,2-Dichloroethylene	20.1	0.50	ug/L	20		100	66-126			
cis-1,2-Dichloroethylene	20.9	0.50	ug/L	20		104	70-124			
1,2-Dichloropropane	21.1	0.50	ug/L	20		106	53-139			
2,2-Dichloropropane	16.0	0.50	ug/L	20		80.0	44-162			
1,3-Dichloropropane	22.4	0.50	ug/L	20		112	79-113			
cis-1,3-Dichloropropylene	21.7	0.50	ug/L	20		108	67-127			
trans-1,3-Dichloropropylene	22.1	0.50	ug/L	20		111	76-121			
1,1-Dichloropropylene	20.8	0.50	ug/L	20		104	84-124			
Diisopropyl ether (DIPE)	20.9	2.0	ug/L	20		104	51-136			
Ethylbenzene	21.8	0.50	ug/L	20		109	86-124			
Ethyl-tert-Butyl Ether (ETBE)	21.3	2.0	ug/L	20		107	62-136			
Hexachlorobutadiene	20.4	1.0	ug/L	20		102	76-140			
2-Hexanone (MBK)	21.1	10	ug/L	20		105	52-123			
Isopropylbenzene	22.0	0.50	ug/L	20		110	70-130			
4-Isopropyltoluene	22.4	1.0	ug/L	20		112	70-130			
Methyl-tert-Butyl Ether (MTBE)	42.2	1.2	ug/L	40		106	58-144			
Methylene Chloride	19.1	5.0	ug/L	20		95.4	50-135			
4-Methyl-2-pentanone (MIBK)	21.2	10	ug/L	20		106	49-139			
Naphthalene	23.1	2.0	ug/L	20		115	74-128			
n-Propylbenzene	21.9	0.50	ug/L	20		110	70-130			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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VOCs & OXYGENATES by GC/MS - Quality Control

Batch B9K1328 - EPA 5030B

LCS (B9K1328-BS1) Continued

Prepared & Analyzed: 11/13/19

Styrene	20.7	0.50	ug/L	20		103	84-123			
1,1,1,2-Tetrachloroethane	21.0	0.50	ug/L	20		105	70-130			
1,1,2,2-Tetrachloroethane	22.5	0.50	ug/L	20		112	58-126			
Tetrachloroethylene (PCE)	21.8	0.50	ug/L	20		109	70-130			
Toluene	21.5	0.50	ug/L	20		107	83-118			
1,2,3-Trichlorobenzene	23.2	0.50	ug/L	20		116	77-134			
1,2,4-Trichlorobenzene	22.6	0.50	ug/L	20		113	84-128			
1,1,1-Trichloroethane	21.2	0.50	ug/L	20		106	66-158			
1,1,2-Trichloroethane	22.4	0.50	ug/L	20		112	75-115			
Trichloroethylene (TCE)	21.4	0.50	ug/L	20		107	82-128			
Trichlorofluoromethane (R11)	21.0	0.50	ug/L	20		105	65-137			
1,2,3-Trichloropropane	22.1	0.50	ug/L	20		111	68-123			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	17.7	0.50	ug/L	20		88.6	62-130			
1,3,5-Trimethylbenzene	22.1	0.50	ug/L	20		110	70-130			
1,2,4-Trimethylbenzene	22.7	0.50	ug/L	20		114	70-130			
Vinyl chloride	23.5	0.50	ug/L	20		117	51-151			
o-Xylene	21.6	0.50	ug/L	20		108	70-130			
m,p-Xylenes	42.3	1.0	ug/L	40		106	70-130			
Surrogate: 4-Bromofluorobenzene	48.0		ug/L	50		96.1	80-129			
Surrogate: Dibromofluoromethane	44.7		ug/L	50		89.4	68-137			
Surrogate: Toluene-d8	45.2		ug/L	50		90.4	83-134			

LCS Dup (B9K1328-BSD1)

Prepared: 11/13/19 Analyzed: 11/14/19

Acetone	13.1	10	ug/L	20		65.6	27-123	43.7	30	QR-02
tert-Amyl-Methyl Ether (TAME)	15.9	2.0	ug/L	20		79.6	58-133	29.0	30	
Benzene	18.3	0.50	ug/L	20		91.4	60-134	11.8	30	
Bromobenzene	20.4	0.50	ug/L	20		102	70-130	6.85	30	
Bromochloromethane	17.1	0.50	ug/L	20		85.7	78-121	16.4	30	
Bromodichloromethane	18.2	0.50	ug/L	20		91.2	74-135	17.0	30	
Bromoform	16.9	0.50	ug/L	20		84.6	68-132	21.9	30	
Bromomethane	22.6	0.50	ug/L	20		113	58-142	0.792	30	

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1328 - EPA 5030B</i>										
LCS Dup (B9K1328-BSD1) Continued										
					Prepared: 11/13/19 Analyzed: 11/14/19					
2-Butanone (MEK)	13.6	10	ug/L	20	67.8	62-138	38.2	30	30	QR-02
tert-Butyl Alcohol (TBA)	85.1	10	ug/L	100	85.1	65-148	19.8	30	30	
sec-Butylbenzene	22.8	0.50	ug/L	20	114	84-142	1.28	30	30	
tert-Butylbenzene	22.5	0.50	ug/L	20	113	70-130	0.534	30	30	
n-Butylbenzene	22.3	0.50	ug/L	20	112	70-130	0.674	30	30	
Carbon Disulfide	17.3	0.50	ug/L	20	86.4	17-177	9.69	30	30	
Carbon Tetrachloride	19.6	0.50	ug/L	20	98.2	66-155	8.06	30	30	
Chlorobenzene	20.6	0.50	ug/L	20	103	70-130	5.15	30	30	
Chloroethane	19.1	0.50	ug/L	20	95.5	45-166	11.7	30	30	
Chloroform	18.5	0.50	ug/L	20	92.6	71-131	11.4	30	30	
Chloromethane	15.3	0.50	ug/L	20	76.6	48-152	12.3	30	30	
2-Chlorotoluene	21.9	0.50	ug/L	20	110	70-130	1.10	30	30	
4-Chlorotoluene	21.7	0.50	ug/L	20	108	70-130	1.10	30	30	
1,2-Dibromo-3-chloropropane	18.4	1.0	ug/L	20	92.1	53-145	26.0	30	30	
Dibromochloromethane	18.8	0.50	ug/L	20	94.1	72-133	19.0	30	30	
1,2-Dibromoethane (EDB)	18.1	0.50	ug/L	20	90.4	79-120	22.8	30	30	
Dibromomethane	16.6	0.50	ug/L	20	83.0	68-124	25.7	30	30	
1,3-Dichlorobenzene	21.3	0.50	ug/L	20	107	70-130	4.22	30	30	
1,2-Dichlorobenzene	20.8	0.50	ug/L	20	104	70-130	8.86	30	30	
1,4-Dichlorobenzene	21.0	0.50	ug/L	20	105	70-130	4.29	30	30	
Dichlorodifluoromethane (R12)	14.5	0.50	ug/L	20	72.6	16-148	9.70	30	30	
1,1-Dichloroethane	18.5	0.50	ug/L	20	92.3	67-120	11.7	30	30	
1,2-Dichloroethane (EDC)	16.8	0.50	ug/L	20	84.2	57-156	22.5	30	30	
1,1-Dichloroethylene	17.1	0.50	ug/L	20	85.3	50-149	10.9	30	30	
trans-1,2-Dichloroethylene	17.9	0.50	ug/L	20	89.6	66-126	11.3	30	30	
cis-1,2-Dichloroethylene	17.8	0.50	ug/L	20	88.8	70-124	16.0	30	30	
1,2-Dichloropropane	17.7	0.50	ug/L	20	88.6	53-139	17.5	30	30	
2,2-Dichloropropane	14.1	0.50	ug/L	20	70.4	44-162	12.7	30	30	
1,3-Dichloropropane	18.2	0.50	ug/L	20	91.2	79-113	20.4	30	30	
cis-1,3-Dichloropropylene	17.4	0.50	ug/L	20	86.8	67-127	22.0	30	30	
trans-1,3-Dichloropropylene	19.4	0.50	ug/L	20	97.0	76-121	13.2	30	30	
1,1-Dichloropropylene	18.9	0.50	ug/L	20	94.6	84-124	9.71	30	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1328 - EPA 5030B</i>										
LCS Dup (B9K1328-BSD1) Continued					Prepared: 11/13/19 Analyzed: 11/14/19					
Diisopropyl ether (DIPE)	16.9	2.0	ug/L	20		84.4	51-136	21.2	30	
Ethylbenzene	21.1	0.50	ug/L	20		105	86-124	3.22	30	
Ethyl-tert-Butyl Ether (ETBE)	16.0	2.0	ug/L	20		80.2	62-136	28.2	30	
Hexachlorobutadiene	18.4	1.0	ug/L	20		92.0	76-140	10.2	30	
2-Hexanone (MBK)	15.0	10	ug/L	20		75.2	52-123	33.5	30	QR-02
Isopropylbenzene	22.4	0.50	ug/L	20		112	70-130	1.62	30	
4-Isopropyltoluene	22.6	1.0	ug/L	20		113	70-130	0.622	30	
Methyl-tert-Butyl Ether (MTBE)	31.0	1.2	ug/L	40		77.6	58-144	30.6	30	
Methylene Chloride	15.8	5.0	ug/L	20		78.9	50-135	18.9	30	
4-Methyl-2-pentanone (MIBK)	16.2	10	ug/L	20		81.2	49-139	26.7	30	
Naphthalene	17.9	2.0	ug/L	20		89.4	74-128	25.4	30	
n-Propylbenzene	22.3	0.50	ug/L	20		112	70-130	1.85	30	
Styrene	19.3	0.50	ug/L	20		96.7	84-123	6.70	30	
1,1,1,2-Tetrachloroethane	19.2	0.50	ug/L	20		96.2	70-130	8.65	30	
1,1,2,2-Tetrachloroethane	17.2	0.50	ug/L	20		86.1	58-126	26.5	30	
Tetrachloroethylene (PCE)	21.0	0.50	ug/L	20		105	70-130	3.32	30	
Toluene	20.5	0.50	ug/L	20		103	83-118	4.43	30	
1,2,3-Trichlorobenzene	19.2	0.50	ug/L	20		96.0	77-134	19.1	30	
1,2,4-Trichlorobenzene	19.9	0.50	ug/L	20		99.6	84-128	12.7	30	
1,1,1-Trichloroethane	19.7	0.50	ug/L	20		98.4	66-158	7.53	30	
1,1,2-Trichloroethane	18.4	0.50	ug/L	20		91.9	75-115	19.7	30	
Trichloroethylene (TCE)	18.8	0.50	ug/L	20		93.8	82-128	13.2	30	
Trichlorofluoromethane (R11)	19.8	0.50	ug/L	20		98.8	65-137	6.22	30	
1,2,3-Trichloropropane	17.6	0.50	ug/L	20		87.8	68-123	22.9	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	16.4	0.50	ug/L	20		82.0	62-130	7.68	30	
1,3,5-Trimethylbenzene	22.4	0.50	ug/L	20		112	70-130	1.39	30	
1,2,4-Trimethylbenzene	22.6	0.50	ug/L	20		113	70-130	0.353	30	
Vinyl chloride	13.6	0.50	ug/L	20		67.8	51-151	53.5	30	QM-07
o-Xylene	20.7	0.50	ug/L	20		104	70-130	4.29	30	
m,p-Xylenes	34.5	1.0	ug/L	40		86.3	70-130	20.1	30	

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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VOCs & OXYGENATES by GC/MS - Quality Control

Batch B9K1328 - EPA 5030B

LCS Dup (B9K1328-BSD1) Continued

Prepared: 11/13/19 Analyzed: 11/14/19

Surrogate: 4-Bromofluorobenzene	48.2		ug/L	50		96.5	80-129			
Surrogate: Dibromofluoromethane	41.8		ug/L	50		83.7	68-137			
Surrogate: Toluene-d8	47.4		ug/L	50		94.7	83-134			

Matrix Spike (B9K1328-MS1)

Source: 9K06025-09 Prepared & Analyzed: 11/13/19

Acetone	18.4	10	ug/L	20	<10	91.8	11-169			
tert-Amyl-Methyl Ether (TAME)	16.4	2.0	ug/L	20	<2.0	82.2	66-133			
Benzene	18.7	0.50	ug/L	20	<0.50	93.3	56-135			
Bromobenzene	21.0	0.50	ug/L	20	<0.50	105	70-130			
Bromochloromethane	18.0	0.50	ug/L	20	<0.50	89.9	74-125			
Bromodichloromethane	18.5	0.50	ug/L	20	<0.50	92.6	68-144			
Bromoform	17.7	0.50	ug/L	20	<0.50	88.3	68-151			
Bromomethane	23.9	0.50	ug/L	20	<0.50	119	54-142			
2-Butanone (MEK)	14.4	10	ug/L	20	<10	71.8	62-145			
tert-Butyl Alcohol (TBA)	81.5	10	ug/L	100	<10	81.5	73-162			
sec-Butylbenzene	23.6	0.50	ug/L	20	0.350	116	84-145			
tert-Butylbenzene	23.2	0.50	ug/L	20	0.590	113	70-130			
n-Butylbenzene	22.8	0.50	ug/L	20	<0.50	114	70-130			
Carbon Disulfide	17.4	0.50	ug/L	20	<0.50	86.9	28-151			
Carbon Tetrachloride	20.2	0.50	ug/L	20	<0.50	101	58-164			
Chlorobenzene	20.8	0.50	ug/L	20	<0.50	104	70-130			
Chloroethane	20.3	0.50	ug/L	20	<0.50	102	42-164			
Chloroform	18.6	0.50	ug/L	20	<0.50	93.2	65-138			
Chloromethane	15.1	0.50	ug/L	20	<0.50	75.4	50-152			
2-Chlorotoluene	21.8	0.50	ug/L	20	<0.50	109	70-130			
4-Chlorotoluene	21.6	0.50	ug/L	20	<0.50	108	70-130			
1,2-Dibromo-3-chloropropane	18.7	1.0	ug/L	20	<1.0	93.6	53-161			
Dibromochloromethane	19.4	0.50	ug/L	20	<0.50	96.9	70-130			
1,2-Dibromoethane (EDB)	19.0	0.50	ug/L	20	<0.50	94.8	76-130			
Dibromomethane	17.4	0.50	ug/L	20	<0.50	87.0	62-135			
1,3-Dichlorobenzene	21.5	0.50	ug/L	20	<0.50	108	70-130			
1,2-Dichlorobenzene	21.3	0.50	ug/L	20	<0.50	106	70-130			
1,4-Dichlorobenzene	21.2	0.50	ug/L	20	<0.50	106	70-130			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1328 - EPA 5030B</i>										
Matrix Spike (B9K1328-MS1) Continued Source: 9K06025-09 Prepared & Analyzed: 11/13/19										
Dichlorodifluoromethane (R12)	14.9	0.50	ug/L	20	<0.50	74.7	17-153			
1,1-Dichloroethane	19.0	0.50	ug/L	20	<0.50	94.8	55-131			
1,2-Dichloroethane (EDC)	17.4	0.50	ug/L	20	<0.50	87.1	52-168			
1,1-Dichloroethylene	17.5	0.50	ug/L	20	<0.50	87.4	51-140			
trans-1,2-Dichloroethylene	18.6	0.50	ug/L	20	<0.50	93.0	59-127			
cis-1,2-Dichloroethylene	18.4	0.50	ug/L	20	<0.50	92.0	70-130			
1,2-Dichloropropane	18.2	0.50	ug/L	20	<0.50	91.2	52-142			
2,2-Dichloropropane	16.2	0.50	ug/L	20	<0.50	80.8	36-168			
1,3-Dichloropropane	19.1	0.50	ug/L	20	<0.50	95.6	80-121			
cis-1,3-Dichloropropylene	18.1	0.50	ug/L	20	<0.50	90.7	66-130			
trans-1,3-Dichloropropylene	20.0	0.50	ug/L	20	<0.50	99.9	78-130			
1,1-Dichloropropylene	19.7	0.50	ug/L	20	<0.50	98.6	76-132			
Diisopropyl ether (DIPE)	17.8	2.0	ug/L	20	<2.0	88.8	52-138			
Ethylbenzene	21.0	0.50	ug/L	20	<0.50	105	86-128			
Ethyl-tert-Butyl Ether (ETBE)	16.8	2.0	ug/L	20	<2.0	84.2	64-137			
Hexachlorobutadiene	22.0	1.0	ug/L	20	<1.0	110	70-130			
2-Hexanone (MBK)	16.3	10	ug/L	20	<10	81.6	52-141			
Isopropylbenzene	23.0	0.50	ug/L	20	<0.50	115	70-130			
4-Isopropyltoluene	23.0	1.0	ug/L	20	<1.0	115	83-149			
Methyl-tert-Butyl Ether (MTBE)	32.4	1.2	ug/L	40	<1.2	80.9	56-150			
Methylene Chloride	16.5	5.0	ug/L	20	<5.0	82.4	70-130			
4-Methyl-2-pentanone (MIBK)	15.1	10	ug/L	20	<10	75.5	60-148			
Naphthalene	19.4	2.0	ug/L	20	0.490	94.4	70-130			
n-Propylbenzene	22.6	0.50	ug/L	20	<0.50	113	70-130			
Styrene	19.2	0.50	ug/L	20	<0.50	95.8	65-141			
1,1,1,2-Tetrachloroethane	19.2	0.50	ug/L	20	<0.50	96.2	70-130			
1,1,2,2-Tetrachloroethane	18.4	0.50	ug/L	20	<0.50	92.2	62-134			
Tetrachloroethylene (PCE)	21.7	0.50	ug/L	20	<0.50	108	70-130			
Toluene	21.0	0.50	ug/L	20	<0.50	105	81-123			
1,2,3-Trichlorobenzene	20.7	0.50	ug/L	20	<0.50	103	73-144			
1,2,4-Trichlorobenzene	21.6	0.50	ug/L	20	<0.50	108	80-137			
1,1,1-Trichloroethane	19.9	0.50	ug/L	20	<0.50	99.5	62-164			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1328 - EPA 5030B</i>										
Matrix Spike (B9K1328-MS1) Continued Source: 9K06025-09 Prepared & Analyzed: 11/13/19										
1,1,2-Trichloroethane	19.1	0.50	ug/L	20	<0.50	95.7	76-122			
Trichloroethylene (TCE)	19.1	0.50	ug/L	20	<0.50	95.4	72-136			
Trichlorofluoromethane (R11)	19.8	0.50	ug/L	20	<0.50	99.1	59-144			
1,2,3-Trichloropropane	18.2	0.50	ug/L	20	<0.50	91.2	69-135			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	16.8	0.50	ug/L	20	<0.50	84.0	62-126			
1,3,5-Trimethylbenzene	22.4	0.50	ug/L	20	<0.50	112	70-130			
1,2,4-Trimethylbenzene	22.4	0.50	ug/L	20	<0.50	112	89-134			
Vinyl chloride	22.5	0.50	ug/L	20	<0.50	113	54-150			
o-Xylene	20.9	0.50	ug/L	20	<0.50	104	70-130			
m,p-Xylenes	41.3	1.0	ug/L	40	<1.0	103	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	48.2		ug/L	50		96.5	80-129			
<i>Surrogate: Dibromofluoromethane</i>	42.5		ug/L	50		85.0	68-137			
<i>Surrogate: Toluene-d8</i>	46.9		ug/L	50		93.7	83-134			
Matrix Spike Dup (B9K1328-MSD1) Source: 9K06025-09 Prepared & Analyzed: 11/13/19										
Acetone	15.9	10	ug/L	20	<10	79.6	11-169	14.3	30	
tert-Amyl-Methyl Ether (TAME)	14.8	2.0	ug/L	20	<2.0	73.8	66-133	10.8	30	
Benzene	17.9	0.50	ug/L	20	<0.50	89.6	56-135	4.05	30	
Bromobenzene	20.4	0.50	ug/L	20	<0.50	102	70-130	2.84	30	
Bromochloromethane	16.4	0.50	ug/L	20	<0.50	82.0	74-125	9.25	30	
Bromodichloromethane	17.5	0.50	ug/L	20	<0.50	87.6	68-144	5.66	30	
Bromoform	16.4	0.50	ug/L	20	<0.50	82.2	68-151	7.16	30	
Bromomethane	24.4	0.50	ug/L	20	<0.50	122	54-142	2.03	30	
2-Butanone (MEK)	13.0	10	ug/L	20	<10	64.8	62-145	10.3	30	
tert-Butyl Alcohol (TBA)	89.9	10	ug/L	100	<10	89.9	73-162	9.82	30	
sec-Butylbenzene	23.2	0.50	ug/L	20	0.350	114	84-145	1.54	30	
tert-Butylbenzene	23.3	0.50	ug/L	20	0.590	114	70-130	0.472	30	
n-Butylbenzene	22.0	0.50	ug/L	20	<0.50	110	70-130	3.75	30	
Carbon Disulfide	17.9	0.50	ug/L	20	<0.50	89.7	28-151	3.17	30	
Carbon Tetrachloride	19.8	0.50	ug/L	20	<0.50	99.0	58-164	2.10	30	
Chlorobenzene	20.7	0.50	ug/L	20	<0.50	103	70-130	0.531	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1328 - EPA 5030B</i>										
Matrix Spike Dup (B9K1328-MSD1) Source: 9K06025-09 Prepared & Analyzed: 11/13/19										
Continued										
Chloroethane	19.9	0.50	ug/L	20	<0.50	99.4	42-164	2.14	30	
Chloroform	18.2	0.50	ug/L	20	<0.50	91.1	65-138	2.28	30	
Chloromethane	15.7	0.50	ug/L	20	<0.50	78.3	50-152	3.77	30	
2-Chlorotoluene	22.0	0.50	ug/L	20	<0.50	110	70-130	0.593	30	
4-Chlorotoluene	21.9	0.50	ug/L	20	<0.50	109	70-130	1.10	30	
1,2-Dibromo-3-chloropropane	18.9	1.0	ug/L	20	<1.0	94.7	53-161	1.11	30	
Dibromochloromethane	18.5	0.50	ug/L	20	<0.50	92.6	70-130	4.59	30	
1,2-Dibromoethane (EDB)	17.6	0.50	ug/L	20	<0.50	88.1	76-130	7.27	30	
Dibromomethane	15.6	0.50	ug/L	20	<0.50	78.1	62-135	10.7	30	
1,3-Dichlorobenzene	21.2	0.50	ug/L	20	<0.50	106	70-130	1.31	30	
1,2-Dichlorobenzene	20.8	0.50	ug/L	20	<0.50	104	70-130	1.99	30	
1,4-Dichlorobenzene	20.9	0.50	ug/L	20	<0.50	105	70-130	1.19	30	
Dichlorodifluoromethane (R12)	15.4	0.50	ug/L	20	<0.50	77.0	17-153	3.10	30	
1,1-Dichloroethane	18.6	0.50	ug/L	20	<0.50	92.8	55-131	2.03	30	
1,2-Dichloroethane (EDC)	16.1	0.50	ug/L	20	<0.50	80.6	52-168	7.81	30	
1,1-Dichloroethylene	17.8	0.50	ug/L	20	<0.50	89.2	51-140	1.98	30	
trans-1,2-Dichloroethylene	18.0	0.50	ug/L	20	<0.50	90.1	59-127	3.17	30	
cis-1,2-Dichloroethylene	17.7	0.50	ug/L	20	<0.50	88.4	70-130	3.99	30	
1,2-Dichloropropane	17.3	0.50	ug/L	20	<0.50	86.6	52-142	5.12	30	
2,2-Dichloropropane	16.4	0.50	ug/L	20	<0.50	82.1	36-168	1.53	30	
1,3-Dichloropropane	18.3	0.50	ug/L	20	<0.50	91.4	80-121	4.49	30	
cis-1,3-Dichloropropylene	16.9	0.50	ug/L	20	<0.50	84.6	66-130	6.90	30	
trans-1,3-Dichloropropylene	19.6	0.50	ug/L	20	<0.50	98.0	78-130	1.97	30	
1,1-Dichloropropylene	19.1	0.50	ug/L	20	<0.50	95.4	76-132	3.35	30	
Diisopropyl ether (DIPE)	16.6	2.0	ug/L	20	<2.0	83.0	52-138	6.75	30	
Ethylbenzene	21.4	0.50	ug/L	20	<0.50	107	86-128	1.89	30	
Ethyl-tert-Butyl Ether (ETBE)	15.9	2.0	ug/L	20	<2.0	79.6	64-137	5.62	30	
Hexachlorobutadiene	18.6	1.0	ug/L	20	<1.0	93.1	70-130	16.5	30	
2-Hexanone (MBK)	14.7	10	ug/L	20	<10	73.4	52-141	10.6	30	
Isopropylbenzene	22.8	0.50	ug/L	20	<0.50	114	70-130	0.698	30	
4-Isopropyltoluene	22.6	1.0	ug/L	20	<1.0	113	83-149	1.58	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1328 - EPA 5030B</i>										
Matrix Spike Dup (B9K1328-MSD1) Source: 9K06025-09 Prepared & Analyzed: 11/13/19										
Continued										
Methyl-tert-Butyl Ether (MTBE)	29.2	1.2	ug/L	40	<1.2	72.9	56-150	10.5	30	
Methylene Chloride	15.8	5.0	ug/L	20	<5.0	79.2	70-130	4.08	30	
4-Methyl-2-pentanone (MIBK)	13.1	10	ug/L	20	<10	65.6	60-148	14.0	30	
Naphthalene	19.2	2.0	ug/L	20	0.490	93.7	70-130	0.725	30	
n-Propylbenzene	22.6	0.50	ug/L	20	<0.50	113	70-130	0.133	30	
Styrene	19.4	0.50	ug/L	20	<0.50	96.8	65-141	1.04	30	
1,1,1,2-Tetrachloroethane	19.2	0.50	ug/L	20	<0.50	95.8	70-130	0.417	30	
1,1,2,2-Tetrachloroethane	17.0	0.50	ug/L	20	<0.50	85.2	62-134	7.95	30	
Tetrachloroethylene (PCE)	21.7	0.50	ug/L	20	<0.50	109	70-130	0.184	30	
Toluene	21.2	0.50	ug/L	20	<0.50	106	81-123	0.902	30	
1,2,3-Trichlorobenzene	19.6	0.50	ug/L	20	<0.50	97.9	73-144	5.51	30	
1,2,4-Trichlorobenzene	20.5	0.50	ug/L	20	<0.50	102	80-137	5.60	30	
1,1,1-Trichloroethane	19.5	0.50	ug/L	20	<0.50	97.4	62-164	2.08	30	
1,1,2-Trichloroethane	17.9	0.50	ug/L	20	<0.50	89.5	76-122	6.70	30	
Trichloroethylene (TCE)	18.7	0.50	ug/L	20	<0.50	93.4	72-136	2.07	30	
Trichlorofluoromethane (R11)	20.8	0.50	ug/L	20	<0.50	104	59-144	4.63	30	
1,2,3-Trichloropropane	17.3	0.50	ug/L	20	<0.50	86.4	69-135	5.41	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	16.3	0.50	ug/L	20	<0.50	81.7	62-126	2.72	30	
1,3,5-Trimethylbenzene	22.5	0.50	ug/L	20	<0.50	113	70-130	0.668	30	
1,2,4-Trimethylbenzene	22.7	0.50	ug/L	20	<0.50	114	89-134	1.55	30	
Vinyl chloride	14.2	0.50	ug/L	20	<0.50	70.8	54-150	45.6	30	QM-07
o-Xylene	21.3	0.50	ug/L	20	<0.50	106	70-130	1.71	30	
m,p-Xylenes	42.3	1.0	ug/L	40	<1.0	106	70-130	2.39	30	
<i>Surrogate: 4-Bromofluorobenzene</i>	48.0		ug/L	50		95.9	80-129			
<i>Surrogate: Dibromofluoromethane</i>	41.7		ug/L	50		83.4	68-137			
<i>Surrogate: Toluene-d8</i>	48.8		ug/L	50		97.6	83-134			

Diesel Range Organics by GC/FID - Quality Control

Batch B9K1212 - EPA 3510C

Blank (B9K1212-BLK1)

Prepared: 11/12/19 Analyzed: 11/15/19

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Diesel Range Organics by GC/FID - Quality Control										
<i>Batch B9K1212 - EPA 3510C</i>										
Blank (B9K1212-BLK1) Continued Prepared: 11/12/19 Analyzed: 11/15/19										
Diesel Range Organics as Diesel	<0.10	0.10	mg/L							
<i>Surrogate: o-Terphenyl</i>	0.0588		mg/L	0.040		147	50-150			
LCS (B9K1212-BS1) Prepared: 11/12/19 Analyzed: 11/15/19										
Diesel Range Organics as Diesel	0.605	0.10	mg/L	0.80		75.7	36-132			
<i>Surrogate: o-Terphenyl</i>	0.0458		mg/L	0.040		115	50-150			
LCS Dup (B9K1212-BSD1) Prepared: 11/12/19 Analyzed: 11/15/19										
Diesel Range Organics as Diesel	0.610	0.10	mg/L	0.80		76.3	36-132	0.810	30	
<i>Surrogate: o-Terphenyl</i>	0.0471		mg/L	0.040		118	50-150			
Gasoline Range Organics by GC/FID - Quality Control										
<i>Batch B9K1405 - *** DEFAULT PREP ***</i>										
Blank (B9K1405-BLK1) Prepared & Analyzed: 11/14/19										
Gasoline Range Organics (GRO)	<100	100	ug/L							
<i>Surrogate: a,a,a-Trifluorotoluene</i>	50.0		ug/L	50		100	80-120			
LCS (B9K1405-BS1) Prepared & Analyzed: 11/14/19										
Gasoline Range Organics (GRO)	481	100	ug/L	500		96.3	75-125		30	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	56.8		ug/L	50		114	80-120			
LCS Dup (B9K1405-BSD1) Prepared & Analyzed: 11/14/19										
Gasoline Range Organics (GRO)	503	100	ug/L	500		101	75-125	4.33	30	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	57.2		ug/L	50		114	80-120			
Matrix Spike (B9K1405-MS1) Source: 9K06025-09 Prepared & Analyzed: 11/14/19										
Gasoline Range Organics (GRO)	464	100	ug/L	500	46.7	83.5	70-130		30	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	53.5		ug/L	50		107	80-120			
Matrix Spike Dup (B9K1405-MSD1) Source: 9K06025-09 Prepared & Analyzed: 11/14/19										
Gasoline Range Organics (GRO)	404	100	ug/L	500	46.7	71.5	70-130	13.8	30	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	48.7		ug/L	50		97.3	80-120			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333198
Date Received: 11/06/19
Date Reported: 11/26/19

Special Notes

- [1] = **QM-07** : The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS or LCSD recovery.
- [2] = **QR-02** : The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

A handwritten signature in black ink, appearing to read 'Viorel Vasile'.

Viorel Vasile
Operations Manager



AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

9765 ETON AVE., CHATSWORTH, CA 91311
 Tel: 818-998-5547 FAX: 818-998-7258

A.A. COC No.: 19186
 70045953
 Page 1 of 1

Client: APEX-S6Z Project Name / No.: DFSP Norwalk Sampler's Name: David Lobban
 Project Manager: DAN SWENSSON Site Address: 15306 Norwalk Blvd. Sampler's Signature: [Signature]
 Phone: 582-597-1055 City: Norwalk P.O. No.: ---
 Fax: 582-597-1070 State & Zip: Ca 90660 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									
						810B	801m DPO	801m DPO	801m DPO	801m DPO	801m DPO	801m DPO	801m DPO	801m DPO	801m DPO	801m DPO	801m DPO										
QCTB-1	9K06025-01	11-6-19	6:00	GW	2																						
OCEB-1	-02	11-6-19	8:10	GW	2																						
GMW-61	-03	11-6-19	8:45	GW	6							X															
TF-20R	-04	11-6-19	9:25	GW	6							X															
GW-15	-05	11-6-19	10:05	GW	6							X															
GMW-47	-06	11-6-19	10:10	GW	6							X															
DUP-6	-07	11-6-19	XXXX	GW	6							X															
GMW-35R	-08	11-6-19	11:30	GW	6							X															
GMW-1E	-09	11-6-19	12:30	GW	6							X															
For Laboratory Use						Relinquished by	Date	Time	Received by								Time										
REVIEWED						D. Lobban	11-6-19	13:05	[Signature]								13:05										
Date 11/6/19 Time 1615						Relinquished by	Date	Time	Received by								Time										
TAT N Days Sign: [Signature]						[Signature]	11-6-19	14:52	[Signature]								14:52										
						Relinquished by	Date	Time	Received by								Time										
						[Signature]			[Signature]																		

SAMPLE INTEGRITY
 INTACT

A.A. Project No.: AS333198/9K06025

Note: By relinquishing samples to American Analytix, client agrees to pay for the services requested on this chain of custody form and any additional client-requested analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 45 days following the submittal of the sample(s) to American Analytix.



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

November 26, 2019

Neil Irish

The Source Group, Inc. (SH)
1962 Freeman Ave.
Signal Hill, CA 90755

**Re : DFSP Norwalk GW Sampling / 04-NDLA-013
A5333205 / 9K11012**

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 11/11/19 17:24 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 black ink, appearing to read 'V. Vasile', is written over a light blue horizontal line.

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
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8260B+OXY+TPHG

QCTB-1	9K11012-01	Water	5	11/07/19 06:00	11/11/19 17:24
QCEB-1	9K11012-02	Water	5	11/07/19 07:50	11/11/19 17:24

8260B+OXYGENATES

TF-24	9K11012-03	Water	5	11/06/19 13:15	11/11/19 17:24
GMW-21	9K11012-04	Water	5	11/06/19 13:55	11/11/19 17:24
GMW-19	9K11012-05	Water	5	11/06/19 14:35	11/11/19 17:24
GMW-7	9K11012-06	Water	5	11/06/19 15:20	11/11/19 17:24
GMW-45	9K11012-07	Water	5	11/07/19 08:28	11/11/19 17:24
MW-25	9K11012-08	Water	5	11/07/19 09:20	11/11/19 17:24
PW-1	9K11012-09	Water	5	11/07/19 10:15	11/11/19 17:24
TF-18	9K11012-10	Water	5	11/07/19 11:05	11/11/19 17:24
DUP-7	9K11012-11	Water	5	11/07/19 00:00	11/11/19 17:24
GMW-58	9K11012-12	Water	5	11/07/19 11:50	11/11/19 17:24

Diesel Range Organics 8015M

TF-24	9K11012-03	Water	5	11/06/19 13:15	11/11/19 17:24
GMW-21	9K11012-04	Water	5	11/06/19 13:55	11/11/19 17:24
GMW-19	9K11012-05	Water	5	11/06/19 14:35	11/11/19 17:24
GMW-7	9K11012-06	Water	5	11/06/19 15:20	11/11/19 17:24

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
GMW-45	9K11012-07	Water	5	11/07/19 08:28	11/11/19 17:24
MW-25	9K11012-08	Water	5	11/07/19 09:20	11/11/19 17:24
PW-1	9K11012-09	Water	5	11/07/19 10:15	11/11/19 17:24
TF-18	9K11012-10	Water	5	11/07/19 11:05	11/11/19 17:24
DUP-7	9K11012-11	Water	5	11/07/19 00:00	11/11/19 17:24
GMW-58	9K11012-12	Water	5	11/07/19 11:50	11/11/19 17:24

Gasoline Range Organics 8015M

TF-24	9K11012-03	Water	5	11/06/19 13:15	11/11/19 17:24
GMW-21	9K11012-04	Water	5	11/06/19 13:55	11/11/19 17:24
GMW-19	9K11012-05	Water	5	11/06/19 14:35	11/11/19 17:24
GMW-7	9K11012-06	Water	5	11/06/19 15:20	11/11/19 17:24
GMW-45	9K11012-07	Water	5	11/07/19 08:28	11/11/19 17:24
MW-25	9K11012-08	Water	5	11/07/19 09:20	11/11/19 17:24
PW-1	9K11012-09	Water	5	11/07/19 10:15	11/11/19 17:24
TF-18	9K11012-10	Water	5	11/07/19 11:05	11/11/19 17:24
DUP-7	9K11012-11	Water	5	11/07/19 00:00	11/11/19 17:24
GMW-58	9K11012-12	Water	5	11/07/19 11:50	11/11/19 17:24

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19
Units: ug/L

Date Sampled:	11/07/19	11/07/19	
Date Prepared:	11/14/19	11/14/19	
Date Analyzed:	11/14/19	11/14/19	
AA ID No:	9K11012-01	9K11012-02	
Client ID No:	QCTB-1	QCEB-1	
Matrix:	Water	Water	
Dilution Factor:	1	1	MRL

8260B+OXY+TPHG (EPA 8260B)

Acetone	<10	<10	10
tert-Amyl-Methyl Ether (TAME)	<2.0	<2.0	2.0
Benzene	<0.50	<0.50	0.50
Bromobenzene	<0.50	<0.50	0.50
Bromochloromethane	<0.50	<0.50	0.50
Bromodichloromethane	<0.50	<0.50	0.50
Bromoform	<0.50	<0.50	0.50
Bromomethane	<0.50	<0.50	0.50
2-Butanone (MEK)	<10	<10	10
tert-Butyl Alcohol (TBA)	<10	<10	10
sec-Butylbenzene	<0.50	<0.50	0.50
tert-Butylbenzene	<0.50	<0.50	0.50
n-Butylbenzene	<0.50	<0.50	0.50
Carbon Disulfide	<0.50	<0.50	0.50
Carbon Tetrachloride	<0.50	<0.50	0.50
Chlorobenzene	<0.50	<0.50	0.50
Chloroethane	<0.50	<0.50	0.50
Chloroform	<0.50	<0.50	0.50
Chloromethane	<0.50	<0.50	0.50
2-Chlorotoluene	<0.50	<0.50	0.50
4-Chlorotoluene	<0.50	<0.50	0.50
1,2-Dibromo-3-chloropropane	<1.0	<1.0	1.0
Dibromochloromethane	<0.50	<0.50	0.50
1,2-Dibromoethane (EDB)	<0.50	<0.50	0.50
Dibromomethane	<0.50	<0.50	0.50
1,3-Dichlorobenzene	<0.50	<0.50	0.50
1,2-Dichlorobenzene	<0.50	<0.50	0.50

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Date Analyzed:	11/14/19	11/14/19	
AA ID No:	9K11012-01	9K11012-02	
Client ID No:	QCTB-1	QCEB-1	
Matrix:	Water	Water	
Dilution Factor:	1	1	MRL

8260B+OXY+TPHG (EPA 8260B) (continued)

1,4-Dichlorobenzene	<0.50	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	<0.50	0.50
1,1-Dichloroethane	<0.50	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	<0.50	0.50
1,1-Dichloroethylene	<0.50	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	<0.50	0.50
1,2-Dichloropropane	<0.50	<0.50	0.50
2,2-Dichloropropane	<0.50	<0.50	0.50
1,3-Dichloropropane	<0.50	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	<0.50	0.50
1,1-Dichloropropylene	<0.50	<0.50	0.50
Diisopropyl ether (DIPE)	<2.0	<2.0	2.0
Ethylbenzene	<0.50	<0.50	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	<2.0	2.0
Gasoline Range Organics (GRO)	<100	<100	100
Hexachlorobutadiene	<1.0	<1.0	1.0
2-Hexanone (MBK)	<10	<10	10
Isopropylbenzene	<0.50	<0.50	0.50
4-Isopropyltoluene	<1.0	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<1.2	<1.2	1.2
Methylene Chloride	<5.0	<5.0	5.0
4-Methyl-2-pentanone (MIBK)	<10	<10	10
Naphthalene	<2.0	<2.0	2.0
n-Propylbenzene	<0.50	<0.50	0.50

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Units: ug/L

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Date Prepared:	11/14/19	11/14/19	
Date Analyzed:	11/14/19	11/14/19	
AA ID No:	9K11012-01	9K11012-02	
Client ID No:	QCTB-1	QCEB-1	
Matrix:	Water	Water	
Dilution Factor:	1	1	MRL

8260B+OXY+TPHG (EPA 8260B) (continued)

Styrene	<0.50	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	<0.50	0.50
1,1,2,2-Tetrachloroethane	<0.50	<0.50	0.50
Tetrachloroethylene (PCE)	<0.50	<0.50	0.50
Toluene	<0.50	<0.50	0.50
1,2,3-Trichlorobenzene	<0.50	<0.50	0.50
1,2,4-Trichlorobenzene	<0.50	<0.50	0.50
1,1,1-Trichloroethane	<0.50	<0.50	0.50
1,1,2-Trichloroethane	<0.50	<0.50	0.50
Trichloroethylene (TCE)	<0.50	<0.50	0.50
Trichlorofluoromethane (R11)	<0.50	<0.50	0.50
1,2,3-Trichloropropane	<0.50	<0.50	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	<0.50	0.50
1,3,5-Trimethylbenzene	<0.50	<0.50	0.50
1,2,4-Trimethylbenzene	<0.50	<0.50	0.50
Vinyl chloride	<0.50	<0.50	0.50
o-Xylene	<0.50	<0.50	0.50
m,p-Xylenes	<1.0	<1.0	1.0

Surrogates			%REC Limits
4-Bromofluorobenzene	99%	99%	80-129
Dibromofluoromethane	87%	86%	68-137
Toluene-d8	92%	91%	83-134

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LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19
Units: ug/L

Date Sampled:	11/06/19	11/06/19	11/06/19	11/06/19	
Date Prepared:	11/14/19	11/14/19	11/14/19	11/14/19	
Date Analyzed:	11/14/19	11/14/19	11/14/19	11/14/19	
AA ID No:	9K11012-03	9K11012-04	9K11012-05	9K11012-06	
Client ID No:	TF-24	GMW-21	GMW-19	GMW-7	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	2	1	MRL

8260B+OXYGENATES (EPA 8260B)

Acetone	25	32	<20	21	10
tert-Amyl-Methyl Ether (TAME)	<2.0	<2.0	<4.0	<2.0	2.0
Benzene	<0.50	<0.50	1.5	5.1	0.50
Bromobenzene	<0.50	<0.50	<1.0	<0.50	0.50
Bromochloromethane	<0.50	<0.50	<1.0	<0.50	0.50
Bromodichloromethane	<0.50	<0.50	<1.0	<0.50	0.50
Bromoform	<0.50	<0.50	<1.0	<0.50	0.50
Bromomethane	<0.50	<0.50	<1.0	<0.50	0.50
2-Butanone (MEK)	<10	<10	<20	<10	10
tert-Butyl Alcohol (TBA)	<10	21	<20	27	10
sec-Butylbenzene	<0.50	<0.50	<1.0	0.51	0.50
tert-Butylbenzene	0.59	<0.50	<1.0	0.96	0.50
n-Butylbenzene	<0.50	<0.50	<1.0	<0.50	0.50
Carbon Disulfide	<0.50	<0.50	<1.0	<0.50	0.50
Carbon Tetrachloride	<0.50	<0.50	<1.0	<0.50	0.50
Chlorobenzene	<0.50	<0.50	<1.0	<0.50	0.50
Chloroethane	<0.50	<0.50	<1.0	<0.50	0.50
Chloroform	<0.50	<0.50	<1.0	<0.50	0.50
Chloromethane	<0.50	<0.50	<1.0	<0.50	0.50
2-Chlorotoluene	<0.50	<0.50	<1.0	<0.50	0.50
4-Chlorotoluene	<0.50	<0.50	<1.0	<0.50	0.50
1,2-Dibromo-3-chloropropane	<1.0	<1.0	<2.0	<1.0	1.0
Dibromochloromethane	<0.50	<0.50	<1.0	<0.50	0.50
1,2-Dibromoethane (EDB)	<0.50	<0.50	<1.0	<0.50	0.50
Dibromomethane	<0.50	<0.50	<1.0	<0.50	0.50
1,3-Dichlorobenzene	<0.50	<0.50	<1.0	<0.50	0.50
1,2-Dichlorobenzene	<0.50	<0.50	<1.0	<0.50	0.50

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Units: ug/L

Date Sampled:	11/06/19	11/06/19	11/06/19	11/06/19
Date Prepared:	11/14/19	11/14/19	11/14/19	11/14/19
Date Analyzed:	11/14/19	11/14/19	11/14/19	11/14/19
AA ID No:	9K11012-03	9K11012-04	9K11012-05	9K11012-06
Client ID No:	TF-24	GMW-21	GMW-19	GMW-7
Matrix:	Water	Water	Water	Water
Dilution Factor:	1	1	2	1

MRL

8260B+OXYGENATES (EPA 8260B) (continued)

1,4-Dichlorobenzene	<0.50	<0.50	<1.0	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	<0.50	<1.0	<0.50	0.50
1,1-Dichloroethane	<0.50	<0.50	<1.0	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	<0.50	<1.0	<0.50	0.50
1,1-Dichloroethylene	<0.50	<0.50	<1.0	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	<0.50	<1.0	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	<0.50	<1.0	0.55	0.50
1,2-Dichloropropane	<0.50	<0.50	<1.0	<0.50	0.50
2,2-Dichloropropane	<0.50	<0.50	<1.0	<0.50	0.50
1,3-Dichloropropane	<0.50	<0.50	<1.0	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	<0.50	<1.0	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	<0.50	<1.0	<0.50	0.50
1,1-Dichloropropylene	<0.50	<0.50	<1.0	<0.50	0.50
Diisopropyl ether (DIPE)	<2.0	<2.0	<4.0	<2.0	2.0
Ethylbenzene	<0.50	<0.50	<1.0	<0.50	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	<2.0	<4.0	<2.0	2.0
Hexachlorobutadiene	<1.0	<1.0	<2.0	<1.0	1.0
2-Hexanone (MBK)	<10	<10	<20	<10	10
Isopropylbenzene	<0.50	<0.50	<1.0	1.9	0.50
4-Isopropyltoluene	<1.0	<1.0	<2.0	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<1.2	<1.2	<2.4	<1.2	1.2
Methylene Chloride	<5.0	<5.0	<10	<5.0	5.0
4-Methyl-2-pentanone (MIBK)	<10	<10	<20	<10	10
Naphthalene	<2.0	<2.0	<4.0	2.8	2.0
n-Propylbenzene	<0.50	<0.50	<1.0	<0.50	0.50
Styrene	<0.50	<0.50	<1.0	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	<0.50	<1.0	<0.50	0.50

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AA Project No: A5333205
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Date Reported: 11/26/19
Units: ug/L

Date Sampled:	11/06/19	11/06/19	11/06/19	11/06/19
Date Prepared:	11/14/19	11/14/19	11/14/19	11/14/19
Date Analyzed:	11/14/19	11/14/19	11/14/19	11/14/19
AA ID No:	9K11012-03	9K11012-04	9K11012-05	9K11012-06
Client ID No:	TF-24	GMW-21	GMW-19	GMW-7
Matrix:	Water	Water	Water	Water
Dilution Factor:	1	1	2	1
				MRL

8260B+OXYGENATES (EPA 8260B) (continued)

1,1,2,2-Tetrachloroethane	<0.50	<0.50	<1.0	<0.50	0.50
Tetrachloroethylene (PCE)	<0.50	<0.50	<1.0	<0.50	0.50
Toluene	<0.50	<0.50	<1.0	<0.50	0.50
1,2,3-Trichlorobenzene	<0.50	<0.50	<1.0	<0.50	0.50
1,2,4-Trichlorobenzene	<0.50	<0.50	<1.0	<0.50	0.50
1,1,1-Trichloroethane	<0.50	<0.50	<1.0	<0.50	0.50
1,1,2-Trichloroethane	<0.50	<0.50	<1.0	<0.50	0.50
Trichloroethylene (TCE)	<0.50	<0.50	<1.0	<0.50	0.50
Trichlorofluoromethane (R11)	<0.50	<0.50	<1.0	<0.50	0.50
1,2,3-Trichloropropane	<0.50	<0.50	<1.0	<0.50	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	<0.50	<1.0	<0.50	0.50
1,3,5-Trimethylbenzene	<0.50	<0.50	<1.0	1.2	0.50
1,2,4-Trimethylbenzene	<0.50	<0.50	<1.0	<0.50	0.50
Vinyl chloride	<0.50	<0.50	<1.0	<0.50	0.50
o-Xylene	<0.50	<0.50	<1.0	<0.50	0.50
m,p-Xylenes	<1.0	<1.0	<2.0	<1.0	1.0

Surrogates					%REC Limits
4-Bromofluorobenzene	99%	101%	103%	102%	80-129
Dibromofluoromethane	84%	89%	86%	87%	68-137
Toluene-d8	96%	94%	97%	94%	83-134

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19
Units: ug/L

Date Sampled:	11/07/19	11/07/19	11/07/19	11/07/19	
Date Prepared:	11/14/19	11/15/19	11/19/19	11/15/19	
Date Analyzed:	11/14/19	11/15/19	11/19/19	11/15/19	
AA ID No:	9K11012-07	9K11012-08	9K11012-09	9K11012-10	
Client ID No:	GMW-45	MW-25	PW-1	TF-18	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	5	1	1	10	MRL

8260B+OXYGENATES (EPA 8260B)

Acetone	<50	15	17	<100	10
tert-Amyl-Methyl Ether (TAME)	<10	<2.0	<2.0	<20	2.0
Benzene	99	<0.50	<0.50	33	0.50
Bromobenzene	<2.5	<0.50	<0.50	<5.0	0.50
Bromochloromethane	<2.5	<0.50	<0.50	<5.0	0.50
Bromodichloromethane	<2.5	<0.50	<0.50	<5.0	0.50
Bromoform	<2.5	<0.50	<0.50	<5.0	0.50
Bromomethane	<2.5	<0.50	<0.50	<5.0	0.50
2-Butanone (MEK)	<50	<10	<10	<100	10
tert-Butyl Alcohol (TBA)	<50	<10	<10	<100	10
sec-Butylbenzene	3.4	<0.50	<0.50	8.6	0.50
tert-Butylbenzene	<2.5	<0.50	<0.50	<5.0	0.50
n-Butylbenzene	3.0	<0.50	<0.50	<5.0	0.50
Carbon Disulfide	<2.5	<0.50	<0.50	<5.0	0.50
Carbon Tetrachloride	<2.5	<0.50	<0.50	<5.0	0.50
Chlorobenzene	<2.5	<0.50	<0.50	<5.0	0.50
Chloroethane	<2.5	<0.50	<0.50	<5.0	0.50
Chloroform	<2.5	<0.50	<0.50	<5.0	0.50
Chloromethane	<2.5	<0.50	<0.50	<5.0	0.50
2-Chlorotoluene	<2.5	<0.50	<0.50	<5.0	0.50
4-Chlorotoluene	<2.5	<0.50	<0.50	<5.0	0.50
1,2-Dibromo-3-chloropropane	<5.0	<1.0	<1.0	<10	1.0
Dibromochloromethane	<2.5	<0.50	<0.50	<5.0	0.50
1,2-Dibromoethane (EDB)	<2.5	<0.50	<0.50	<5.0	0.50
Dibromomethane	<2.5	<0.50	<0.50	<5.0	0.50
1,3-Dichlorobenzene	<2.5	<0.50	<0.50	<5.0	0.50
1,2-Dichlorobenzene	<2.5	<0.50	<0.50	<5.0	0.50

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Project No: 04-NDLA-013
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Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19
Units: ug/L

	11/07/19	11/07/19	11/07/19	11/07/19	
Date Sampled:	11/07/19	11/07/19	11/07/19	11/07/19	
Date Prepared:	11/14/19	11/15/19	11/19/19	11/15/19	
Date Analyzed:	11/14/19	11/15/19	11/19/19	11/15/19	
AA ID No:	9K11012-07	9K11012-08	9K11012-09	9K11012-10	
Client ID No:	GMW-45	MW-25	PW-1	TF-18	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	5	1	1	10	MRL

8260B+OXYGENATES (EPA 8260B) (continued)

1,4-Dichlorobenzene	<2.5	<0.50	<0.50	<5.0	0.50
Dichlorodifluoromethane (R12)	<2.5	<0.50	<0.50	<5.0	0.50
1,1-Dichloroethane	<2.5	<0.50	<0.50	<5.0	0.50
1,2-Dichloroethane (EDC)	<2.5	1.4	<0.50	<5.0	0.50
1,1-Dichloroethylene	<2.5	<0.50	<0.50	<5.0	0.50
trans-1,2-Dichloroethylene	<2.5	<0.50	<0.50	<5.0	0.50
cis-1,2-Dichloroethylene	<2.5	<0.50	<0.50	<5.0	0.50
1,2-Dichloropropane	<2.5	<0.50	<0.50	<5.0	0.50
2,2-Dichloropropane	<2.5	<0.50	<0.50	<5.0	0.50
1,3-Dichloropropane	<2.5	<0.50	<0.50	<5.0	0.50
cis-1,3-Dichloropropylene	<2.5	<0.50	<0.50	<5.0	0.50
trans-1,3-Dichloropropylene	<2.5	<0.50	<0.50	<5.0	0.50
1,1-Dichloropropylene	<2.5	<0.50	<0.50	<5.0	0.50
Diisopropyl ether (DIPE)	<10	<2.0	<2.0	<20	2.0
Ethylbenzene	49	<0.50	<0.50	88	0.50
Ethyl-tert-Butyl Ether (ETBE)	<10	<2.0	<2.0	<20	2.0
Hexachlorobutadiene	<5.0	<1.0	<1.0	<10	1.0
2-Hexanone (MBK)	<50	<10	<10	<100	10
Isopropylbenzene	10	<0.50	<0.50	46	0.50
4-Isopropyltoluene	9.2	<1.0	<1.0	11	1.0
Methyl-tert-Butyl Ether (MTBE)	<6.0	<1.2	<1.2	<12	1.2
Methylene Chloride	<25	<5.0	<5.0	<50	5.0
4-Methyl-2-pentanone (MIBK)	<50	<10	<10	<100	10
Naphthalene	20	<2.0	<2.0	86	2.0
n-Propylbenzene	9.4	<0.50	<0.50	37	0.50
Styrene	<2.5	<0.50	<0.50	<5.0	0.50
1,1,1,2-Tetrachloroethane	<2.5	<0.50	<0.50	<5.0	0.50

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19
Units: ug/L

Date Sampled:	11/07/19	11/07/19	11/07/19	11/07/19	
Date Prepared:	11/14/19	11/15/19	11/19/19	11/15/19	
Date Analyzed:	11/14/19	11/15/19	11/19/19	11/15/19	
AA ID No:	9K11012-07	9K11012-08	9K11012-09	9K11012-10	
Client ID No:	GMW-45	MW-25	PW-1	TF-18	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	5	1	1	10	MRL

8260B+OXYGENATES (EPA 8260B) (continued)

1,1,2,2-Tetrachloroethane	<2.5	<0.50	<0.50	<5.0	0.50
Tetrachloroethylene (PCE)	<2.5	<0.50	<0.50	<5.0	0.50
Toluene	3.6	<0.50	<0.50	<5.0	0.50
1,2,3-Trichlorobenzene	<2.5	<0.50	<0.50	<5.0	0.50
1,2,4-Trichlorobenzene	<2.5	<0.50	<0.50	<5.0	0.50
1,1,1-Trichloroethane	<2.5	<0.50	<0.50	<5.0	0.50
1,1,2-Trichloroethane	<2.5	<0.50	<0.50	<5.0	0.50
Trichloroethylene (TCE)	<2.5	<0.50	<0.50	<5.0	0.50
Trichlorofluoromethane (R11)	<2.5	<0.50	<0.50	<5.0	0.50
1,2,3-Trichloropropane	<2.5	<0.50	<0.50	<5.0	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<2.5	<0.50	<0.50	<5.0	0.50
1,3,5-Trimethylbenzene	81	<0.50	<0.50	110	0.50
1,2,4-Trimethylbenzene	97	<0.50	<0.50	140	0.50
Vinyl chloride	<2.5	<0.50	<0.50	<5.0	0.50
o-Xylene	9.6	<0.50	<0.50	<5.0	0.50
m,p-Xylenes	260	<1.0	<1.0	34	1.0

<u>Surrogates</u>					<u>%REC Limits</u>
4-Bromofluorobenzene	94%	100%	97%	100%	80-129
Dibromofluoromethane	91%	88%	83%	78%	68-137
Toluene-d8	93%	91%	88%	97%	83-134

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19
Units: ug/L

Date Sampled:	11/07/19	11/07/19	
Date Prepared:	11/20/19	11/15/19	
Date Analyzed:	11/21/19	11/15/19	
AA ID No:	9K11012-11	9K11012-12	
Client ID No:	DUP-7	GMW-58	
Matrix:	Water	Water	
Dilution Factor:	2	1	MRL

8260B+OXYGENATES (EPA 8260B)

			MRL
Acetone	27	10	10
tert-Amyl-Methyl Ether (TAME)	<4.0	<2.0	2.0
Benzene	30	19	0.50
Bromobenzene	<1.0	<0.50	0.50
Bromochloromethane	<1.0	<0.50	0.50
Bromodichloromethane	<1.0	<0.50	0.50
Bromoform	<1.0	<0.50	0.50
Bromomethane	<1.0	<0.50	0.50
2-Butanone (MEK)	<20	<10	10
tert-Butyl Alcohol (TBA)	71	<10	10
sec-Butylbenzene	5.7	1.6	0.50
tert-Butylbenzene	<1.0	<0.50	0.50
n-Butylbenzene	<1.0	6.1	0.50
Carbon Disulfide	<1.0	<0.50	0.50
Carbon Tetrachloride	<1.0	<0.50	0.50
Chlorobenzene	<1.0	<0.50	0.50
Chloroethane	<1.0	<0.50	0.50
Chloroform	<1.0	<0.50	0.50
Chloromethane	<1.0	<0.50	0.50
2-Chlorotoluene	<1.0	<0.50	0.50
4-Chlorotoluene	<1.0	<0.50	0.50
1,2-Dibromo-3-chloropropane	<2.0	<1.0	1.0
Dibromochloromethane	<1.0	<0.50	0.50
1,2-Dibromoethane (EDB)	<1.0	<0.50	0.50
Dibromomethane	<1.0	<0.50	0.50
1,3-Dichlorobenzene	<1.0	<0.50	0.50
1,2-Dichlorobenzene	<1.0	<0.50	0.50

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19
Units: ug/L

Date Sampled:	11/07/19	11/07/19	
Date Prepared:	11/20/19	11/15/19	
Date Analyzed:	11/21/19	11/15/19	
AA ID No:	9K11012-11	9K11012-12	
Client ID No:	DUP-7	GMW-58	
Matrix:	Water	Water	
Dilution Factor:	2	1	MRL

8260B+OXYGENATES (EPA 8260B) (continued)

1,4-Dichlorobenzene	<1.0	<0.50	0.50
Dichlorodifluoromethane (R12)	<1.0	<0.50	0.50
1,1-Dichloroethane	<1.0	<0.50	0.50
1,2-Dichloroethane (EDC)	<1.0	<0.50	0.50
1,1-Dichloroethylene	<1.0	<0.50	0.50
trans-1,2-Dichloroethylene	<1.0	<0.50	0.50
cis-1,2-Dichloroethylene	<1.0	<0.50	0.50
1,2-Dichloropropane	<1.0	<0.50	0.50
2,2-Dichloropropane	<1.0	<0.50	0.50
1,3-Dichloropropane	<1.0	<0.50	0.50
cis-1,3-Dichloropropylene	<1.0	<0.50	0.50
trans-1,3-Dichloropropylene	<1.0	<0.50	0.50
1,1-Dichloropropylene	<1.0	<0.50	0.50
Diisopropyl ether (DIPE)	<4.0	<2.0	2.0
Ethylbenzene	61	0.73	0.50
Ethyl-tert-Butyl Ether (ETBE)	<4.0	<2.0	2.0
Hexachlorobutadiene	<2.0	<1.0	1.0
2-Hexanone (MBK)	<20	<10	10
Isopropylbenzene	29	4.4	0.50
4-Isopropyltoluene	7.8	1.5	1.0
Methyl-tert-Butyl Ether (MTBE)	<2.4	<1.2	1.2
Methylene Chloride	<10	<5.0	5.0
4-Methyl-2-pentanone (MIBK)	<20	<10	10
Naphthalene	80	20	2.0
n-Propylbenzene	22	4.8	0.50
Styrene	<1.0	<0.50	0.50
1,1,1,2-Tetrachloroethane	<1.0	<0.50	0.50

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19
Units: ug/L

Date Sampled:	11/07/19	11/07/19	
Date Prepared:	11/20/19	11/15/19	
Date Analyzed:	11/21/19	11/15/19	
AA ID No:	9K11012-11	9K11012-12	
Client ID No:	DUP-7	GMW-58	
Matrix:	Water	Water	
Dilution Factor:	2	1	MRL

8260B+OXYGENATES (EPA 8260B) (continued)

1,1,2,2-Tetrachloroethane	<1.0	<0.50	0.50
Tetrachloroethylene (PCE)	<1.0	<0.50	0.50
Toluene	<1.0	<0.50	0.50
1,2,3-Trichlorobenzene	<1.0	<0.50	0.50
1,2,4-Trichlorobenzene	<1.0	<0.50	0.50
1,1,1-Trichloroethane	<1.0	<0.50	0.50
1,1,2-Trichloroethane	<1.0	<0.50	0.50
Trichloroethylene (TCE)	<1.0	<0.50	0.50
Trichlorofluoromethane (R11)	<1.0	<0.50	0.50
1,2,3-Trichloropropane	<1.0	<0.50	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<1.0	<0.50	0.50
1,3,5-Trimethylbenzene	76	5.6	0.50
1,2,4-Trimethylbenzene	96	17	0.50
Vinyl chloride	<1.0	<0.50	0.50
o-Xylene	1.2	0.68	0.50
m,p-Xylenes	25	2.6	1.0

<u>Surrogates</u>			<u>%REC Limits</u>
4-Bromofluorobenzene	94%	95%	80-129
Dibromofluoromethane	81%	78%	68-137
Toluene-d8	89%	90%	83-134

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: Diesel Range Organics by GC/FID

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19
Units: mg/L

Date Sampled:	11/06/19	11/06/19	11/06/19	11/06/19	
Date Prepared:	11/11/19	11/11/19	11/11/19	11/11/19	
Date Analyzed:	11/14/19	11/14/19	11/14/19	11/14/19	
AA ID No:	9K11012-03	9K11012-04	9K11012-05	9K11012-06	
Client ID No:	TF-24	GMW-21	GMW-19	GMW-7	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

Diesel Range Organics 8015M (EPA 8015M)

Diesel Range Organics as Diesel	2.6	4.6	<0.10	5.0	0.10
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Surrogates

o-Terphenyl	131%	144%	142%	137%	<u>%REC Limits</u> 50-150
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Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: Diesel Range Organics by GC/FID

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19
Units: mg/L

Date Sampled:	11/07/19	11/07/19	11/07/19	11/07/19	
Date Prepared:	11/11/19	11/11/19	11/11/19	11/11/19	
Date Analyzed:	11/15/19	11/14/19	11/14/19	11/15/19	
AA ID No:	9K11012-07	9K11012-08	9K11012-09	9K11012-10	
Client ID No:	GMW-45	MW-25	PW-1	TF-18	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	5	1	1	5	MRL

Diesel Range Organics 8015M (EPA 8015M)

Diesel Range Organics as Diesel	9.4	<0.10	<0.10	9.3	0.10
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<u>Surrogates</u>					<u>%REC Limits</u>
o-Terphenyl	100%	150%	142%	92%	50-150

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: Diesel Range Organics by GC/FID

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19
Units: mg/L

Date Sampled:	11/07/19	11/07/19	
Date Prepared:	11/11/19	11/11/19	
Date Analyzed:	11/15/19	11/14/19	
AA ID No:	9K11012-11	9K11012-12	
Client ID No:	DUP-7	GMW-58	
Matrix:	Water	Water	
Dilution Factor:	5	1	MRL

Diesel Range Organics 8015M (EPA 8015M)

Diesel Range Organics as Diesel	8.3	1.4	0.10
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<u>Surrogates</u>			<u>%REC Limits</u>
o-Terphenyl	132%	147%	50-150

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: Gasoline Range Organics by GC/FID

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19
Units: ug/L

Date Sampled:	11/06/19	11/06/19	11/06/19	11/06/19
Date Prepared:	11/18/19	11/18/19	11/18/19	11/18/19
Date Analyzed:	11/18/19	11/18/19	11/18/19	11/18/19
AA ID No:	9K11012-03	9K11012-04	9K11012-05	9K11012-06
Client ID No:	TF-24	GMW-21	GMW-19	GMW-7
Matrix:	Water	Water	Water	Water
Dilution Factor:	1	1	1	1
				MRL

Gasoline Range Organics 8015M (EPA 8015M)

Gasoline Range Organics (GRO)	<100	<100	<100	230	100
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Surrogates

a,a,a-Trifluorotoluene	88%	86%	90%	93%	<u>%REC Limits</u> 80-120
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Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: Gasoline Range Organics by GC/FID

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19
Units: ug/L

Date Sampled:	11/07/19	11/07/19	11/07/19	11/07/19	
Date Prepared:	11/18/19	11/18/19	11/18/19	11/18/19	
Date Analyzed:	11/18/19	11/18/19	11/18/19	11/18/19	
AA ID No:	9K11012-07	9K11012-08	9K11012-09	9K11012-10	
Client ID No:	GMW-45	MW-25	PW-1	TF-18	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	10	MRL

Gasoline Range Organics 8015M (EPA 8015M)

Gasoline Range Organics (GRO)	4300	<100	<100	5600	100
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Surrogates

a,a,a-Trifluorotoluene	115%	84%	84%	103%	<u>%REC Limits</u> 80-120
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Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: Gasoline Range Organics by GC/FID

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19
Units: ug/L

Date Sampled:	11/07/19	11/07/19	
Date Prepared:	11/18/19	11/18/19	
Date Analyzed:	11/18/19	11/18/19	
AA ID No:	9K11012-11	9K11012-12	
Client ID No:	DUP-7	GMW-58	
Matrix:	Water	Water	
Dilution Factor:	10	1	MRL

Gasoline Range Organics 8015M (EPA 8015M)

Gasoline Range Organics (GRO)	6300	390	100
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Surrogates

a,a,a-Trifluorotoluene	90%	90%	<u>%REC Limits</u> 80-120
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Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limit	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K1404 - EPA 5030B</i>										
Blank (B9K1404-BLK1)										
Prepared & Analyzed: 11/14/19										
Acetone	<10	10	ug/L							
tert-Amyl-Methyl Ether (TAME)	<2.0	2.0	ug/L							
Benzene	<0.50	0.50	ug/L							
Bromobenzene	<0.50	0.50	ug/L							
Bromochloromethane	<0.50	0.50	ug/L							
Bromodichloromethane	<0.50	0.50	ug/L							
Bromoform	<0.50	0.50	ug/L							
Bromomethane	<0.50	0.50	ug/L							
2-Butanone (MEK)	<10	10	ug/L							
tert-Butyl Alcohol (TBA)	<10	10	ug/L							
sec-Butylbenzene	<0.50	0.50	ug/L							
tert-Butylbenzene	<0.50	0.50	ug/L							
n-Butylbenzene	<0.50	0.50	ug/L							
Carbon Disulfide	<0.50	0.50	ug/L							
Carbon Tetrachloride	<0.50	0.50	ug/L							
Chlorobenzene	<0.50	0.50	ug/L							
Chloroethane	<0.50	0.50	ug/L							
Chloroform	<0.50	0.50	ug/L							
Chloromethane	<0.50	0.50	ug/L							
2-Chlorotoluene	<0.50	0.50	ug/L							
4-Chlorotoluene	<0.50	0.50	ug/L							
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L							
Dibromochloromethane	<0.50	0.50	ug/L							
1,2-Dibromoethane (EDB)	<0.50	0.50	ug/L							
Dibromomethane	<0.50	0.50	ug/L							
1,3-Dichlorobenzene	<0.50	0.50	ug/L							
1,2-Dichlorobenzene	<0.50	0.50	ug/L							
1,4-Dichlorobenzene	<0.50	0.50	ug/L							
Dichlorodifluoromethane (R12)	<0.50	0.50	ug/L							
1,1-Dichloroethane	<0.50	0.50	ug/L							
1,2-Dichloroethane (EDC)	<0.50	0.50	ug/L							
1,1-Dichloroethylene	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K1404 - EPA 5030B</i>										
Blank (B9K1404-BLK1) Continued										
Prepared & Analyzed: 11/14/19										
trans-1,2-Dichloroethylene	<0.50	0.50	ug/L							
cis-1,2-Dichloroethylene	<0.50	0.50	ug/L							
1,2-Dichloropropane	<0.50	0.50	ug/L							
2,2-Dichloropropane	<0.50	0.50	ug/L							
1,3-Dichloropropane	<0.50	0.50	ug/L							
cis-1,3-Dichloropropylene	<0.50	0.50	ug/L							
trans-1,3-Dichloropropylene	<0.50	0.50	ug/L							
1,1-Dichloropropylene	<0.50	0.50	ug/L							
Diisopropyl ether (DIPE)	<2.0	2.0	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Ethyl-tert-Butyl Ether (ETBE)	<2.0	2.0	ug/L							
Gasoline Range Organics (GRO)	<100	100	ug/L							
Hexachlorobutadiene	<1.0	1.0	ug/L							
2-Hexanone (MBK)	<10	10	ug/L							
Isopropylbenzene	<0.50	0.50	ug/L							
4-Isopropyltoluene	<1.0	1.0	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<1.2	1.2	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
4-Methyl-2-pentanone (MIBK)	<10	10	ug/L							
Naphthalene	<2.0	2.0	ug/L							
n-Propylbenzene	<0.50	0.50	ug/L							
Styrene	<0.50	0.50	ug/L							
1,1,1,2-Tetrachloroethane	<0.50	0.50	ug/L							
1,1,2,2-Tetrachloroethane	<0.50	0.50	ug/L							
Tetrachloroethylene (PCE)	<0.50	0.50	ug/L							
Toluene	<0.50	0.50	ug/L							
1,2,3-Trichlorobenzene	<0.50	0.50	ug/L							
1,2,4-Trichlorobenzene	<0.50	0.50	ug/L							
1,1,1-Trichloroethane	<0.50	0.50	ug/L							
1,1,2-Trichloroethane	<0.50	0.50	ug/L							
Trichloroethylene (TCE)	<0.50	0.50	ug/L							
Trichlorofluoromethane (R11)	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K1404 - EPA 5030B</i>										
Blank (B9K1404-BLK1) Continued										
Prepared & Analyzed: 11/14/19										
1,2,3-Trichloropropane	<0.50	0.50	ug/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	0.50	ug/L							
1,3,5-Trimethylbenzene	<0.50	0.50	ug/L							
1,2,4-Trimethylbenzene	<0.50	0.50	ug/L							
Vinyl chloride	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>51.3</i>		<i>ug/L</i>	<i>50</i>		<i>103</i>	<i>80-129</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>42.6</i>		<i>ug/L</i>	<i>50</i>		<i>85.3</i>	<i>68-137</i>			
<i>Surrogate: Toluene-d8</i>	<i>46.6</i>		<i>ug/L</i>	<i>50</i>		<i>93.1</i>	<i>83-134</i>			
LCS (B9K1404-BS1)										
Prepared & Analyzed: 11/14/19										
Acetone	18.1	10	ug/L	20		90.4	27-123			
tert-Amyl-Methyl Ether (TAME)	19.0	2.0	ug/L	20		94.9	58-133			
Benzene	19.3	0.50	ug/L	20		96.4	60-134			
Bromobenzene	21.0	0.50	ug/L	20		105	70-130			
Bromochloromethane	20.4	0.50	ug/L	20		102	78-121			
Bromodichloromethane	20.1	0.50	ug/L	20		101	74-135			
Bromoform	20.0	0.50	ug/L	20		100	68-132			
Bromomethane	37.1	0.50	ug/L	20		186	58-142			QL-02
2-Butanone (MEK)	17.8	10	ug/L	20		88.8	62-138			
tert-Butyl Alcohol (TBA)	84.0	10	ug/L	100		84.0	65-148			
sec-Butylbenzene	21.7	0.50	ug/L	20		109	84-142			
tert-Butylbenzene	21.2	0.50	ug/L	20		106	70-130			
n-Butylbenzene	21.1	0.50	ug/L	20		106	70-130			
Carbon Disulfide	17.6	0.50	ug/L	20		88.2	17-177			
Carbon Tetrachloride	19.4	0.50	ug/L	20		97.0	66-155			
Chlorobenzene	20.6	0.50	ug/L	20		103	70-130			
Chloroethane	20.0	0.50	ug/L	20		100	45-166			
Chloroform	19.3	0.50	ug/L	20		96.7	71-131			
Chloromethane	15.9	0.50	ug/L	20		79.3	48-152			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K1404 - EPA 5030B</i>										
LCS (B9K1404-BS1) Continued										
Prepared & Analyzed: 11/14/19										
2-Chlorotoluene	20.8	0.50	ug/L	20		104	70-130			
4-Chlorotoluene	20.7	0.50	ug/L	20		103	70-130			
1,2-Dibromo-3-chloropropane	21.0	1.0	ug/L	20		105	53-145			
Dibromochloromethane	21.4	0.50	ug/L	20		107	72-133			
1,2-Dibromoethane (EDB)	21.3	0.50	ug/L	20		107	79-120			
Dibromomethane	20.0	0.50	ug/L	20		100	68-124			
1,3-Dichlorobenzene	21.2	0.50	ug/L	20		106	70-130			
1,2-Dichlorobenzene	21.8	0.50	ug/L	20		109	70-130			
1,4-Dichlorobenzene	21.2	0.50	ug/L	20		106	70-130			
Dichlorodifluoromethane (R12)	14.4	0.50	ug/L	20		72.2	16-148			
1,1-Dichloroethane	19.5	0.50	ug/L	20		97.6	67-120			
1,2-Dichloroethane (EDC)	19.0	0.50	ug/L	20		94.8	57-156			
1,1-Dichloroethylene	19.4	0.50	ug/L	20		96.8	50-149			
trans-1,2-Dichloroethylene	18.8	0.50	ug/L	20		94.2	66-126			
cis-1,2-Dichloroethylene	19.1	0.50	ug/L	20		95.6	70-124			
1,2-Dichloropropane	19.8	0.50	ug/L	20		99.0	53-139			
2,2-Dichloropropane	17.2	0.50	ug/L	20		86.1	44-162			
1,3-Dichloropropane	21.0	0.50	ug/L	20		105	79-113			
cis-1,3-Dichloropropylene	20.4	0.50	ug/L	20		102	67-127			
trans-1,3-Dichloropropylene	21.1	0.50	ug/L	20		106	76-121			
1,1-Dichloropropylene	19.2	0.50	ug/L	20		96.0	84-124			
Diisopropyl ether (DIPE)	19.3	2.0	ug/L	20		96.4	51-136			
Ethylbenzene	20.2	0.50	ug/L	20		101	86-124			
Ethyl-tert-Butyl Ether (ETBE)	19.2	2.0	ug/L	20		95.9	62-136			
Gasoline Range Organics (GRO)	458	100	ug/L	500		91.6	60-123			
Hexachlorobutadiene	20.1	1.0	ug/L	20		100	76-140			
2-Hexanone (MBK)	18.8	10	ug/L	20		94.2	52-123			
Isopropylbenzene	21.1	0.50	ug/L	20		106	70-130			
4-Isopropyltoluene	21.4	1.0	ug/L	20		107	70-130			
Methyl-tert-Butyl Ether (MTBE)	37.8	1.2	ug/L	40		94.5	58-144			
Methylene Chloride	17.9	5.0	ug/L	20		89.4	50-135			
4-Methyl-2-pentanone (MIBK)	18.9	10	ug/L	20		94.4	49-139			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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VOCs, OXY & TPH Gasoline by GC/MS - Quality Control

Batch B9K1404 - EPA 5030B

LCS (B9K1404-BS1) Continued

Prepared & Analyzed: 11/14/19

Naphthalene	20.6	2.0	ug/L	20		103	74-128			
n-Propylbenzene	21.0	0.50	ug/L	20		105	70-130			
Styrene	19.9	0.50	ug/L	20		99.4	84-123			
1,1,1,2-Tetrachloroethane	20.0	0.50	ug/L	20		100	70-130			
1,1,2,2-Tetrachloroethane	21.3	0.50	ug/L	20		107	58-126			
Tetrachloroethylene (PCE)	20.8	0.50	ug/L	20		104	70-130			
Toluene	20.1	0.50	ug/L	20		100	83-118			
1,2,3-Trichlorobenzene	21.9	0.50	ug/L	20		109	77-134			
1,2,4-Trichlorobenzene	22.0	0.50	ug/L	20		110	84-128			
1,1,1-Trichloroethane	19.3	0.50	ug/L	20		96.4	66-158			
1,1,2-Trichloroethane	21.1	0.50	ug/L	20		105	75-115			
Trichloroethylene (TCE)	19.4	0.50	ug/L	20		97.0	82-128			
Trichlorofluoromethane (R11)	20.3	0.50	ug/L	20		101	65-137			
1,2,3-Trichloropropane	20.7	0.50	ug/L	20		104	68-123			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	16.3	0.50	ug/L	20		81.4	62-130			
1,3,5-Trimethylbenzene	21.1	0.50	ug/L	20		105	70-130			
1,2,4-Trimethylbenzene	21.4	0.50	ug/L	20		107	70-130			
Vinyl chloride	13.3	0.50	ug/L	20		66.6	51-151			
o-Xylene	20.9	0.50	ug/L	20		105	70-130			
m,p-Xylenes	40.3	1.0	ug/L	40		101	70-130			
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Surrogate: 4-Bromofluorobenzene	47.0		ug/L	50		94.0	80-129			
Surrogate: Dibromofluoromethane	45.4		ug/L	50		90.8	68-137			
Surrogate: Toluene-d8	46.6		ug/L	50		93.1	83-134			

LCS Dup (B9K1404-BSD1)

Prepared & Analyzed: 11/14/19

Acetone	13.0	10	ug/L	20		64.8	27-123	32.9	30	QR-02
tert-Amyl-Methyl Ether (TAME)	15.9	2.0	ug/L	20		79.6	58-133	17.5	30	
Benzene	18.5	0.50	ug/L	20		92.4	60-134	4.19	30	
Bromobenzene	21.6	0.50	ug/L	20		108	70-130	2.54	30	
Bromochloromethane	17.0	0.50	ug/L	20		85.2	78-121	18.1	30	
Bromodichloromethane	18.5	0.50	ug/L	20		92.6	74-135	8.34	30	

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K1404 - EPA 5030B</i>										
LCS Dup (B9K1404-BSD1) Continued										
Prepared & Analyzed: 11/14/19										
Bromoform	17.4	0.50	ug/L	20		86.9	68-132	14.2	30	
Bromomethane	28.2	0.50	ug/L	20		141	58-142	27.5	30	
2-Butanone (MEK)	13.4	10	ug/L	20		66.9	62-138	28.1	30	
tert-Butyl Alcohol (TBA)	86.0	10	ug/L	100		86.0	65-148	2.29	30	
sec-Butylbenzene	23.8	0.50	ug/L	20		119	84-142	9.22	30	
tert-Butylbenzene	23.7	0.50	ug/L	20		118	70-130	11.2	30	
n-Butylbenzene	23.0	0.50	ug/L	20		115	70-130	8.65	30	
Carbon Disulfide	16.8	0.50	ug/L	20		84.0	17-177	4.94	30	
Carbon Tetrachloride	20.4	0.50	ug/L	20		102	66-155	5.12	30	
Chlorobenzene	21.2	0.50	ug/L	20		106	70-130	3.30	30	
Chloroethane	18.4	0.50	ug/L	20		91.9	45-166	8.39	30	
Chloroform	18.7	0.50	ug/L	20		93.6	71-131	3.31	30	
Chloromethane	15.0	0.50	ug/L	20		75.1	48-152	5.44	30	
2-Chlorotoluene	22.8	0.50	ug/L	20		114	70-130	9.10	30	
4-Chlorotoluene	22.6	0.50	ug/L	20		113	70-130	8.78	30	
1,2-Dibromo-3-chloropropane	17.6	1.0	ug/L	20		88.1	53-145	17.7	30	
Dibromochloromethane	19.6	0.50	ug/L	20		97.8	72-133	8.89	30	
1,2-Dibromoethane (EDB)	18.6	0.50	ug/L	20		93.0	79-120	13.6	30	
Dibromomethane	16.7	0.50	ug/L	20		83.6	68-124	18.1	30	
1,3-Dichlorobenzene	22.2	0.50	ug/L	20		111	70-130	4.33	30	
1,2-Dichlorobenzene	21.5	0.50	ug/L	20		108	70-130	1.11	30	
1,4-Dichlorobenzene	21.8	0.50	ug/L	20		109	70-130	2.70	30	
Dichlorodifluoromethane (R12)	13.7	0.50	ug/L	20		68.4	16-148	5.55	30	
1,1-Dichloroethane	18.9	0.50	ug/L	20		94.6	67-120	3.07	30	
1,2-Dichloroethane (EDC)	17.2	0.50	ug/L	20		85.8	57-156	10.0	30	
1,1-Dichloroethylene	16.7	0.50	ug/L	20		83.5	50-149	14.8	30	
trans-1,2-Dichloroethylene	18.7	0.50	ug/L	20		93.3	66-126	0.907	30	
cis-1,2-Dichloroethylene	18.2	0.50	ug/L	20		91.0	70-124	4.98	30	
1,2-Dichloropropane	18.0	0.50	ug/L	20		90.0	53-139	9.63	30	
2,2-Dichloropropane	14.0	0.50	ug/L	20		70.0	44-162	20.6	30	
1,3-Dichloropropane	19.1	0.50	ug/L	20		95.3	79-113	9.64	30	
cis-1,3-Dichloropropylene	17.9	0.50	ug/L	20		89.4	67-127	13.1	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K1404 - EPA 5030B</i>										
LCS Dup (B9K1404-BSD1) Continued					Prepared & Analyzed: 11/14/19					
trans-1,3-Dichloropropylene	20.3	0.50	ug/L	20		102	76-121	3.96	30	
1,1-Dichloropropylene	19.6	0.50	ug/L	20		97.8	84-124	1.86	30	
Diisopropyl ether (DIPE)	17.7	2.0	ug/L	20		88.6	51-136	8.38	30	
Ethylbenzene	21.9	0.50	ug/L	20		109	86-124	7.89	30	
Ethyl-tert-Butyl Ether (ETBE)	16.5	2.0	ug/L	20		82.4	62-136	15.1	30	
Gasoline Range Organics (GRO)	422	100	ug/L	500		84.5	60-123	8.05	30	
Hexachlorobutadiene	19.4	1.0	ug/L	20		96.8	76-140	3.60	30	
2-Hexanone (MBK)	15.2	10	ug/L	20		76.2	52-123	21.2	30	
Isopropylbenzene	23.6	0.50	ug/L	20		118	70-130	11.3	30	
4-Isopropyltoluene	23.6	1.0	ug/L	20		118	70-130	9.60	30	
Methyl-tert-Butyl Ether (MTBE)	30.8	1.2	ug/L	40		77.1	58-144	20.3	30	
Methylene Chloride	16.0	5.0	ug/L	20		79.9	50-135	11.2	30	
4-Methyl-2-pentanone (MIBK)	13.5	10	ug/L	20		67.6	49-139	33.1	30	QR-02
Naphthalene	17.4	2.0	ug/L	20		86.8	74-128	17.1	30	
n-Propylbenzene	23.3	0.50	ug/L	20		116	70-130	10.4	30	
Styrene	19.9	0.50	ug/L	20		99.3	84-123	0.0503	30	
1,1,1,2-Tetrachloroethane	20.0	0.50	ug/L	20		100	70-130	0.00	30	
1,1,2,2-Tetrachloroethane	17.2	0.50	ug/L	20		85.8	58-126	21.8	30	
Tetrachloroethylene (PCE)	22.2	0.50	ug/L	20		111	70-130	6.61	30	
Toluene	21.5	0.50	ug/L	20		108	83-118	6.83	30	
1,2,3-Trichlorobenzene	19.4	0.50	ug/L	20		97.2	77-134	11.7	30	
1,2,4-Trichlorobenzene	20.3	0.50	ug/L	20		101	84-128	7.91	30	
1,1,1-Trichloroethane	20.1	0.50	ug/L	20		101	66-158	4.21	30	
1,1,2-Trichloroethane	18.8	0.50	ug/L	20		94.0	75-115	11.4	30	
Trichloroethylene (TCE)	19.4	0.50	ug/L	20		96.8	82-128	0.206	30	
Trichlorofluoromethane (R11)	19.0	0.50	ug/L	20		95.0	65-137	6.52	30	
1,2,3-Trichloropropane	17.8	0.50	ug/L	20		89.0	68-123	15.0	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	16.6	0.50	ug/L	20		82.9	62-130	1.76	30	
1,3,5-Trimethylbenzene	23.4	0.50	ug/L	20		117	70-130	10.7	30	
1,2,4-Trimethylbenzene	23.5	0.50	ug/L	20		118	70-130	9.49	30	
Vinyl chloride	21.3	0.50	ug/L	20		106	51-151	45.9	30	QR-02

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K1404 - EPA 5030B</i>										
LCS Dup (B9K1404-BSD1) Continued					Prepared & Analyzed: 11/14/19					
o-Xylene	21.7	0.50	ug/L	20		108	70-130	3.43	30	
m,p-Xylenes	43.4	1.0	ug/L	40		109	70-130	7.45	30	
<i>Surrogate: 4-Bromofluorobenzene</i>	48.5		ug/L	50		97.0	80-129			
<i>Surrogate: Dibromofluoromethane</i>	41.9		ug/L	50		83.8	68-137			
<i>Surrogate: Toluene-d8</i>	48.2		ug/L	50		96.5	83-134			
Matrix Spike (B9K1404-MS1)					Source: 9K11012-06 Prepared & Analyzed: 11/14/19					
Acetone	37.3	10	ug/L	20	21.5	79.3	11-169			
tert-Amyl-Methyl Ether (TAME)	17.3	2.0	ug/L	20		86.5	66-133			
Benzene	23.5	0.50	ug/L	20	5.13	92.0	56-135			
Bromobenzene	21.1	0.50	ug/L	20		106	70-130			
Bromochloromethane	19.7	0.50	ug/L	20		98.7	74-125			
Bromodichloromethane	18.8	0.50	ug/L	20		93.8	68-144			
Bromoform	20.6	0.50	ug/L	20		103	68-151			
Bromomethane	20.3	0.50	ug/L	20		102	54-142			
2-Butanone (MEK)	21.1	10	ug/L	20		105	62-145			
tert-Butyl Alcohol (TBA)	117	10	ug/L	100	26.9	90.4	73-162			
sec-Butylbenzene	23.3	0.50	ug/L	20	0.510	114	84-145			
tert-Butylbenzene	23.5	0.50	ug/L	20	0.960	113	70-130			
n-Butylbenzene	22.8	0.50	ug/L	20		114	70-130			
Carbon Disulfide	19.5	0.50	ug/L	20		97.7	28-151			
Carbon Tetrachloride	20.2	0.50	ug/L	20		101	58-164			
Chlorobenzene	21.2	0.50	ug/L	20		106	70-130			
Chloroethane	21.2	0.50	ug/L	20		106	42-164			
Chloroform	18.9	0.50	ug/L	20		94.6	65-138			
Chloromethane	13.6	0.50	ug/L	20		68.0	50-152			
2-Chlorotoluene	21.6	0.50	ug/L	20		108	70-130			
4-Chlorotoluene	21.7	0.50	ug/L	20		109	70-130			
1,2-Dibromo-3-chloropropane	23.3	1.0	ug/L	20		116	53-161			
Dibromochloromethane	21.0	0.50	ug/L	20		105	70-130			
1,2-Dibromoethane (EDB)	21.7	0.50	ug/L	20		109	76-130			
Dibromomethane	18.9	0.50	ug/L	20		94.4	62-135			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K1404 - EPA 5030B</i>										
Matrix Spike (B9K1404-MS1) Continued Source: 9K11012-06 Prepared & Analyzed: 11/14/19										
1,3-Dichlorobenzene	22.0	0.50	ug/L	20		110	70-130			
1,2-Dichlorobenzene	22.6	0.50	ug/L	20		113	70-130			
1,4-Dichlorobenzene	21.6	0.50	ug/L	20		108	70-130			
Dichlorodifluoromethane (R12)	14.7	0.50	ug/L	20		73.4	17-153			
1,1-Dichloroethane	19.3	0.50	ug/L	20		96.6	55-131			
1,2-Dichloroethane (EDC)	18.3	0.50	ug/L	20		91.4	52-168			
1,1-Dichloroethylene	19.2	0.50	ug/L	20		95.8	51-140			
trans-1,2-Dichloroethylene	19.2	0.50	ug/L	20		95.8	59-127			
cis-1,2-Dichloroethylene	19.4	0.50	ug/L	20	0.550	94.0	70-130			
1,2-Dichloropropane	18.3	0.50	ug/L	20		91.6	52-142			
2,2-Dichloropropane	16.5	0.50	ug/L	20		82.6	36-168			
1,3-Dichloropropane	21.0	0.50	ug/L	20		105	80-121			
cis-1,3-Dichloropropylene	18.7	0.50	ug/L	20		93.4	66-130			
trans-1,3-Dichloropropylene	20.7	0.50	ug/L	20		103	78-130			
1,1-Dichloropropylene	19.8	0.50	ug/L	20		99.0	76-132			
Diisopropyl ether (DIPE)	17.3	2.0	ug/L	20		86.4	52-138			
Ethylbenzene	21.6	0.50	ug/L	20		108	86-128			
Ethyl-tert-Butyl Ether (ETBE)	17.3	2.0	ug/L	20		86.7	64-137			
Hexachlorobutadiene	21.4	1.0	ug/L	20		107	70-130			
2-Hexanone (MBK)	20.5	10	ug/L	20		102	52-141			
Isopropylbenzene	24.3	0.50	ug/L	20	1.89	112	70-130			
4-Isopropyltoluene	22.9	1.0	ug/L	20	0.480	112	83-149			
Methyl-tert-Butyl Ether (MTBE)	35.6	1.2	ug/L	40		89.0	56-150			
Methylene Chloride	17.4	5.0	ug/L	20		87.2	70-130			
4-Methyl-2-pentanone (MIBK)	18.9	10	ug/L	20		94.7	60-148			
Naphthalene	27.6	2.0	ug/L	20	2.75	124	70-130			
n-Propylbenzene	22.6	0.50	ug/L	20	0.420	111	70-130			
Styrene	19.2	0.50	ug/L	20		96.2	65-141			
1,1,1,2-Tetrachloroethane	19.7	0.50	ug/L	20		98.6	70-130			
1,1,2,2-Tetrachloroethane	22.6	0.50	ug/L	20		113	62-134			
Tetrachloroethylene (PCE)	22.1	0.50	ug/L	20		111	70-130			
Toluene	21.8	0.50	ug/L	20	0.430	107	81-123			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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VOCs, OXY & TPH Gasoline by GC/MS - Quality Control

Batch B9K1404 - EPA 5030B

Matrix Spike (B9K1404-MS1) Continued Source: 9K11012-06 Prepared & Analyzed: 11/14/19

1,2,3-Trichlorobenzene	23.4	0.50	ug/L	20		117	73-144			
1,2,4-Trichlorobenzene	23.8	0.50	ug/L	20		119	80-137			
1,1,1-Trichloroethane	20.1	0.50	ug/L	20		101	62-164			
1,1,2-Trichloroethane	21.5	0.50	ug/L	20		107	76-122			
Trichloroethylene (TCE)	19.3	0.50	ug/L	20		96.6	72-136			
Trichlorofluoromethane (R11)	21.2	0.50	ug/L	20		106	59-144			
1,2,3-Trichloropropane	21.5	0.50	ug/L	20		107	69-135			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	17.1	0.50	ug/L	20		85.4	62-126			
1,3,5-Trimethylbenzene	23.6	0.50	ug/L	20	1.23	112	70-130			
1,2,4-Trimethylbenzene	22.6	0.50	ug/L	20	0.370	111	89-134			
Vinyl chloride	14.6	0.50	ug/L	20		73.1	54-150			
o-Xylene	21.2	0.50	ug/L	20		106	70-130			
m,p-Xylenes	42.4	1.0	ug/L	40		106	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	48.2		ug/L	50		96.3	80-129			
<i>Surrogate: Dibromofluoromethane</i>	42.3		ug/L	50		84.6	68-137			
<i>Surrogate: Toluene-d8</i>	47.4		ug/L	50		94.7	83-134			

Matrix Spike Dup (B9K1404-MSD1) Source: 9K11012-06 Prepared & Analyzed: 11/14/19

Acetone	27.9	10	ug/L	20	21.5	32.0	11-169	29.0	30	
tert-Amyl-Methyl Ether (TAME)	15.7	2.0	ug/L	20		78.4	66-133	9.82	30	
Benzene	22.5	0.50	ug/L	20	5.13	86.9	56-135	4.47	30	
Bromobenzene	20.8	0.50	ug/L	20		104	70-130	1.29	30	
Bromochloromethane	17.4	0.50	ug/L	20		87.0	74-125	12.5	30	
Bromodichloromethane	17.8	0.50	ug/L	20		88.9	68-144	5.31	30	
Bromoform	18.7	0.50	ug/L	20		93.6	68-151	9.70	30	
Bromomethane	20.3	0.50	ug/L	20		102	54-142	0.0984	30	
2-Butanone (MEK)	17.3	10	ug/L	20		86.4	62-145	19.8	30	
tert-Butyl Alcohol (TBA)	99.2	10	ug/L	100	26.9	72.3	73-162	16.7	30	QM-07
sec-Butylbenzene	23.1	0.50	ug/L	20	0.510	113	84-145	1.03	30	
tert-Butylbenzene	23.7	0.50	ug/L	20	0.960	114	70-130	0.889	30	
n-Butylbenzene	22.2	0.50	ug/L	20		111	70-130	2.49	30	

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K1404 - EPA 5030B</i>										
Matrix Spike Dup (B9K1404-MSD1) Source: 9K11012-06 Prepared & Analyzed: 11/14/19										
Continued										
Carbon Disulfide	18.9	0.50	ug/L	20		94.7	28-151	3.12	30	
Carbon Tetrachloride	19.9	0.50	ug/L	20		99.5	58-164	1.50	30	
Chlorobenzene	21.0	0.50	ug/L	20		105	70-130	1.14	30	
Chloroethane	19.9	0.50	ug/L	20		99.4	42-164	6.48	30	
Chloroform	18.1	0.50	ug/L	20		90.6	65-138	4.21	30	
Chloromethane	16.1	0.50	ug/L	20		80.6	50-152	16.9	30	
2-Chlorotoluene	22.0	0.50	ug/L	20		110	70-130	2.25	30	
4-Chlorotoluene	21.9	0.50	ug/L	20		110	70-130	0.963	30	
1,2-Dibromo-3-chloropropane	24.3	1.0	ug/L	20		122	53-161	4.37	30	
Dibromochloromethane	19.5	0.50	ug/L	20		97.6	70-130	7.59	30	
1,2-Dibromoethane (EDB)	19.3	0.50	ug/L	20		96.4	76-130	11.9	30	
Dibromomethane	16.8	0.50	ug/L	20		84.0	62-135	11.7	30	
1,3-Dichlorobenzene	21.6	0.50	ug/L	20		108	70-130	1.79	30	
1,2-Dichlorobenzene	22.3	0.50	ug/L	20		111	70-130	1.56	30	
1,4-Dichlorobenzene	21.6	0.50	ug/L	20		108	70-130	0.139	30	
Dichlorodifluoromethane (R12)	15.1	0.50	ug/L	20		75.4	17-153	2.62	30	
1,1-Dichloroethane	18.8	0.50	ug/L	20		93.9	55-131	2.83	30	
1,2-Dichloroethane (EDC)	16.8	0.50	ug/L	20		84.0	52-168	8.38	30	
1,1-Dichloroethylene	18.6	0.50	ug/L	20		92.8	51-140	3.08	30	
trans-1,2-Dichloroethylene	18.5	0.50	ug/L	20		92.5	59-127	3.56	30	
cis-1,2-Dichloroethylene	18.5	0.50	ug/L	20	0.550	89.6	70-130	4.71	30	
1,2-Dichloropropane	17.3	0.50	ug/L	20		86.4	52-142	5.90	30	
2,2-Dichloropropane	16.5	0.50	ug/L	20		82.4	36-168	0.242	30	
1,3-Dichloropropane	19.3	0.50	ug/L	20		96.6	80-121	8.52	30	
cis-1,3-Dichloropropylene	17.1	0.50	ug/L	20		85.4	66-130	8.95	30	
trans-1,3-Dichloropropylene	19.6	0.50	ug/L	20		98.2	78-130	5.16	30	
1,1-Dichloropropylene	19.3	0.50	ug/L	20		96.5	76-132	2.51	30	
Diisopropyl ether (DIPE)	16.5	2.0	ug/L	20		82.4	52-138	4.62	30	
Ethylbenzene	21.7	0.50	ug/L	20		108	86-128	0.139	30	
Ethyl-tert-Butyl Ether (ETBE)	16.1	2.0	ug/L	20		80.3	64-137	7.66	30	
Hexachlorobutadiene	19.3	1.0	ug/L	20		96.3	70-130	10.3	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B9K1404 - EPA 5030B</i>										
Matrix Spike Dup (B9K1404-MSD1) Source: 9K11012-06 Prepared & Analyzed: 11/14/19										
Continued										
2-Hexanone (MBK)	17.1	10	ug/L	20		85.6	52-141	17.9	30	
Isopropylbenzene	24.8	0.50	ug/L	20	1.89	115	70-130	2.07	30	
4-Isopropyltoluene	22.4	1.0	ug/L	20	0.480	109	83-149	2.43	30	
Methyl-tert-Butyl Ether (MTBE)	31.7	1.2	ug/L	40		79.4	56-150	11.4	30	
Methylene Chloride	16.3	5.0	ug/L	20		81.6	70-130	6.69	30	
4-Methyl-2-pentanone (MIBK)	15.0	10	ug/L	20		75.2	60-148	23.0	30	
Naphthalene	26.2	2.0	ug/L	20	2.75	117	70-130	4.91	30	
n-Propylbenzene	22.9	0.50	ug/L	20	0.420	112	70-130	1.10	30	
Styrene	19.2	0.50	ug/L	20		96.2	65-141	0.0520	30	
1,1,1,2-Tetrachloroethane	19.4	0.50	ug/L	20		97.0	70-130	1.69	30	
1,1,2,2-Tetrachloroethane	19.9	0.50	ug/L	20		99.4	62-134	12.9	30	
Tetrachloroethylene (PCE)	22.1	0.50	ug/L	20		110	70-130	0.362	30	
Toluene	21.6	0.50	ug/L	20	0.430	106	81-123	0.553	30	
1,2,3-Trichlorobenzene	21.8	0.50	ug/L	20		109	73-144	7.35	30	
1,2,4-Trichlorobenzene	23.0	0.50	ug/L	20		115	80-137	3.42	30	
1,1,1-Trichloroethane	19.8	0.50	ug/L	20		98.9	62-164	1.70	30	
1,1,2-Trichloroethane	19.3	0.50	ug/L	20		96.6	76-122	10.5	30	
Trichloroethylene (TCE)	18.8	0.50	ug/L	20		93.9	72-136	2.89	30	
Trichlorofluoromethane (R11)	21.2	0.50	ug/L	20		106	59-144	0.236	30	
1,2,3-Trichloropropane	19.2	0.50	ug/L	20		96.0	69-135	11.2	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	17.0	0.50	ug/L	20		85.2	62-126	0.293	30	
1,3,5-Trimethylbenzene	23.9	0.50	ug/L	20	1.23	114	70-130	1.22	30	
1,2,4-Trimethylbenzene	23.1	0.50	ug/L	20	0.370	113	89-134	2.15	30	
Vinyl chloride	14.8	0.50	ug/L	20		73.9	54-150	1.09	30	
o-Xylene	21.2	0.50	ug/L	20		106	70-130	0.330	30	
m,p-Xylenes	42.3	1.0	ug/L	40		106	70-130	0.0236	30	
<i>Surrogate: 4-Bromofluorobenzene</i>	49.0		ug/L	50		97.9	80-129			
<i>Surrogate: Dibromofluoromethane</i>	41.0		ug/L	50		82.0	68-137			
<i>Surrogate: Toluene-d8</i>	48.4		ug/L	50		96.8	83-134			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1404 - EPA 5030B</i>										
Blank (B9K1404-BLK1)										
Prepared & Analyzed: 11/14/19										
Acetone	<10	10	ug/L							
tert-Amyl-Methyl Ether (TAME)	<2.0	2.0	ug/L							
Benzene	<0.50	0.50	ug/L							
Bromobenzene	<0.50	0.50	ug/L							
Bromochloromethane	<0.50	0.50	ug/L							
Bromodichloromethane	<0.50	0.50	ug/L							
Bromoform	<0.50	0.50	ug/L							
Bromomethane	<0.50	0.50	ug/L							
2-Butanone (MEK)	<10	10	ug/L							
tert-Butyl Alcohol (TBA)	<10	10	ug/L							
sec-Butylbenzene	<0.50	0.50	ug/L							
tert-Butylbenzene	<0.50	0.50	ug/L							
n-Butylbenzene	<0.50	0.50	ug/L							
Carbon Disulfide	<0.50	0.50	ug/L							
Carbon Tetrachloride	<0.50	0.50	ug/L							
Chlorobenzene	<0.50	0.50	ug/L							
Chloroethane	<0.50	0.50	ug/L							
Chloroform	<0.50	0.50	ug/L							
Chloromethane	<0.50	0.50	ug/L							
2-Chlorotoluene	<0.50	0.50	ug/L							
4-Chlorotoluene	<0.50	0.50	ug/L							
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L							
Dibromochloromethane	<0.50	0.50	ug/L							
1,2-Dibromoethane (EDB)	<0.50	0.50	ug/L							
Dibromomethane	<0.50	0.50	ug/L							
1,3-Dichlorobenzene	<0.50	0.50	ug/L							
1,2-Dichlorobenzene	<0.50	0.50	ug/L							
1,4-Dichlorobenzene	<0.50	0.50	ug/L							
Dichlorodifluoromethane (R12)	<0.50	0.50	ug/L							
1,1-Dichloroethane	<0.50	0.50	ug/L							
1,2-Dichloroethane (EDC)	<0.50	0.50	ug/L							
1,1-Dichloroethylene	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1404 - EPA 5030B</i>										
Blank (B9K1404-BLK1) Continued										
Prepared & Analyzed: 11/14/19										
trans-1,2-Dichloroethylene	<0.50	0.50	ug/L							
cis-1,2-Dichloroethylene	<0.50	0.50	ug/L							
1,2-Dichloropropane	<0.50	0.50	ug/L							
2,2-Dichloropropane	<0.50	0.50	ug/L							
1,3-Dichloropropane	<0.50	0.50	ug/L							
cis-1,3-Dichloropropylene	<0.50	0.50	ug/L							
trans-1,3-Dichloropropylene	<0.50	0.50	ug/L							
1,1-Dichloropropylene	<0.50	0.50	ug/L							
Diisopropyl ether (DIPE)	<2.0	2.0	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Ethyl-tert-Butyl Ether (ETBE)	<2.0	2.0	ug/L							
Hexachlorobutadiene	<1.0	1.0	ug/L							
2-Hexanone (MBK)	<10	10	ug/L							
Isopropylbenzene	<0.50	0.50	ug/L							
4-Isopropyltoluene	<1.0	1.0	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<1.2	1.2	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
4-Methyl-2-pentanone (MIBK)	<10	10	ug/L							
Naphthalene	<2.0	2.0	ug/L							
n-Propylbenzene	<0.50	0.50	ug/L							
Styrene	<0.50	0.50	ug/L							
1,1,1,2-Tetrachloroethane	<0.50	0.50	ug/L							
1,1,2,2-Tetrachloroethane	<0.50	0.50	ug/L							
Tetrachloroethylene (PCE)	<0.50	0.50	ug/L							
Toluene	<0.50	0.50	ug/L							
1,2,3-Trichlorobenzene	<0.50	0.50	ug/L							
1,2,4-Trichlorobenzene	<0.50	0.50	ug/L							
1,1,1-Trichloroethane	<0.50	0.50	ug/L							
1,1,2-Trichloroethane	<0.50	0.50	ug/L							
Trichloroethylene (TCE)	<0.50	0.50	ug/L							
Trichlorofluoromethane (R11)	<0.50	0.50	ug/L							
1,2,3-Trichloropropane	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1404 - EPA 5030B</i>										
Blank (B9K1404-BLK1) Continued										
Prepared & Analyzed: 11/14/19										
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	0.50	ug/L							
1,3,5-Trimethylbenzene	<0.50	0.50	ug/L							
1,2,4-Trimethylbenzene	<0.50	0.50	ug/L							
Vinyl chloride	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>51.3</i>		<i>ug/L</i>	<i>50</i>		<i>103</i>	<i>80-129</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>42.6</i>		<i>ug/L</i>	<i>50</i>		<i>85.3</i>	<i>68-137</i>			
<i>Surrogate: Toluene-d8</i>	<i>46.6</i>		<i>ug/L</i>	<i>50</i>		<i>93.1</i>	<i>83-134</i>			
LCS (B9K1404-BS1)										
Prepared & Analyzed: 11/14/19										
Acetone	18.1	10	ug/L	20		90.4	27-123			
tert-Amyl-Methyl Ether (TAME)	19.0	2.0	ug/L	20		94.9	58-133			
Benzene	19.3	0.50	ug/L	20		96.4	60-134			
Bromobenzene	21.0	0.50	ug/L	20		105	70-130			
Bromochloromethane	20.4	0.50	ug/L	20		102	78-121			
Bromodichloromethane	20.1	0.50	ug/L	20		101	74-135			
Bromoform	20.0	0.50	ug/L	20		100	68-132			
Bromomethane	37.1	0.50	ug/L	20		186	58-142			QL-02
2-Butanone (MEK)	17.8	10	ug/L	20		88.8	62-138			
tert-Butyl Alcohol (TBA)	84.0	10	ug/L	100		84.0	65-148			
sec-Butylbenzene	21.7	0.50	ug/L	20		109	84-142			
tert-Butylbenzene	21.2	0.50	ug/L	20		106	70-130			
n-Butylbenzene	21.1	0.50	ug/L	20		106	70-130			
Carbon Disulfide	17.6	0.50	ug/L	20		88.2	17-177			
Carbon Tetrachloride	19.4	0.50	ug/L	20		97.0	66-155			
Chlorobenzene	20.6	0.50	ug/L	20		103	70-130			
Chloroethane	20.0	0.50	ug/L	20		100	45-166			
Chloroform	19.3	0.50	ug/L	20		96.7	71-131			
Chloromethane	15.9	0.50	ug/L	20		79.3	48-152			
2-Chlorotoluene	20.8	0.50	ug/L	20		104	70-130			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1404 - EPA 5030B</i>										
LCS (B9K1404-BS1) Continued										
Prepared & Analyzed: 11/14/19										
4-Chlorotoluene	20.7	0.50	ug/L	20		103	70-130			
1,2-Dibromo-3-chloropropane	21.0	1.0	ug/L	20		105	53-145			
Dibromochloromethane	21.4	0.50	ug/L	20		107	72-133			
1,2-Dibromoethane (EDB)	21.3	0.50	ug/L	20		107	79-120			
Dibromomethane	20.0	0.50	ug/L	20		100	68-124			
1,3-Dichlorobenzene	21.2	0.50	ug/L	20		106	70-130			
1,2-Dichlorobenzene	21.8	0.50	ug/L	20		109	70-130			
1,4-Dichlorobenzene	21.2	0.50	ug/L	20		106	70-130			
Dichlorodifluoromethane (R12)	14.4	0.50	ug/L	20		72.2	16-148			
1,1-Dichloroethane	19.5	0.50	ug/L	20		97.6	67-120			
1,2-Dichloroethane (EDC)	19.0	0.50	ug/L	20		94.8	57-156			
1,1-Dichloroethylene	19.4	0.50	ug/L	20		96.8	50-149			
trans-1,2-Dichloroethylene	18.8	0.50	ug/L	20		94.2	66-126			
cis-1,2-Dichloroethylene	19.1	0.50	ug/L	20		95.6	70-124			
1,2-Dichloropropane	19.8	0.50	ug/L	20		99.0	53-139			
2,2-Dichloropropane	17.2	0.50	ug/L	20		86.1	44-162			
1,3-Dichloropropane	21.0	0.50	ug/L	20		105	79-113			
cis-1,3-Dichloropropylene	20.4	0.50	ug/L	20		102	67-127			
trans-1,3-Dichloropropylene	21.1	0.50	ug/L	20		106	76-121			
1,1-Dichloropropylene	19.2	0.50	ug/L	20		96.0	84-124			
Diisopropyl ether (DIPE)	19.3	2.0	ug/L	20		96.4	51-136			
Ethylbenzene	20.2	0.50	ug/L	20		101	86-124			
Ethyl-tert-Butyl Ether (ETBE)	19.2	2.0	ug/L	20		95.9	62-136			
Hexachlorobutadiene	20.1	1.0	ug/L	20		100	76-140			
2-Hexanone (MBK)	18.8	10	ug/L	20		94.2	52-123			
Isopropylbenzene	21.1	0.50	ug/L	20		106	70-130			
4-Isopropyltoluene	21.4	1.0	ug/L	20		107	70-130			
Methyl-tert-Butyl Ether (MTBE)	37.8	1.2	ug/L	40		94.5	58-144			
Methylene Chloride	17.9	5.0	ug/L	20		89.4	50-135			
4-Methyl-2-pentanone (MIBK)	18.9	10	ug/L	20		94.4	49-139			
Naphthalene	20.6	2.0	ug/L	20		103	74-128			
n-Propylbenzene	21.0	0.50	ug/L	20		105	70-130			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1404 - EPA 5030B</i>										
LCS (B9K1404-BS1) Continued										
Prepared & Analyzed: 11/14/19										
Styrene	19.9	0.50	ug/L	20		99.4	84-123			
1,1,1,2-Tetrachloroethane	20.0	0.50	ug/L	20		100	70-130			
1,1,2,2-Tetrachloroethane	21.3	0.50	ug/L	20		107	58-126			
Tetrachloroethylene (PCE)	20.8	0.50	ug/L	20		104	70-130			
Toluene	20.1	0.50	ug/L	20		100	83-118			
1,2,3-Trichlorobenzene	21.9	0.50	ug/L	20		109	77-134			
1,2,4-Trichlorobenzene	22.0	0.50	ug/L	20		110	84-128			
1,1,1-Trichloroethane	19.3	0.50	ug/L	20		96.4	66-158			
1,1,2-Trichloroethane	21.1	0.50	ug/L	20		105	75-115			
Trichloroethylene (TCE)	19.4	0.50	ug/L	20		97.0	82-128			
Trichlorofluoromethane (R11)	20.3	0.50	ug/L	20		101	65-137			
1,2,3-Trichloropropane	20.7	0.50	ug/L	20		104	68-123			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	16.3	0.50	ug/L	20		81.4	62-130			
1,3,5-Trimethylbenzene	21.1	0.50	ug/L	20		105	70-130			
1,2,4-Trimethylbenzene	21.4	0.50	ug/L	20		107	70-130			
Vinyl chloride	13.3	0.50	ug/L	20		66.6	51-151			
o-Xylene	20.9	0.50	ug/L	20		105	70-130			
m,p-Xylenes	40.3	1.0	ug/L	40		101	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	47.0		ug/L	50		94.0	80-129			
<i>Surrogate: Dibromofluoromethane</i>	45.4		ug/L	50		90.8	68-137			
<i>Surrogate: Toluene-d8</i>	46.6		ug/L	50		93.1	83-134			
LCS Dup (B9K1404-BSD1)										
Prepared & Analyzed: 11/14/19										
Acetone	13.0	10	ug/L	20		64.8	27-123	32.9	30	QR-02
tert-Amyl-Methyl Ether (TAME)	15.9	2.0	ug/L	20		79.6	58-133	17.5	30	
Benzene	18.5	0.50	ug/L	20		92.4	60-134	4.19	30	
Bromobenzene	21.6	0.50	ug/L	20		108	70-130	2.54	30	
Bromochloromethane	17.0	0.50	ug/L	20		85.2	78-121	18.1	30	
Bromodichloromethane	18.5	0.50	ug/L	20		92.6	74-135	8.34	30	
Bromoform	17.4	0.50	ug/L	20		86.9	68-132	14.2	30	
Bromomethane	28.2	0.50	ug/L	20		141	58-142	27.5	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1404 - EPA 5030B</i>										
LCS Dup (B9K1404-BSD1) Continued										
Prepared & Analyzed: 11/14/19										
2-Butanone (MEK)	13.4	10	ug/L	20		66.9	62-138	28.1	30	
tert-Butyl Alcohol (TBA)	86.0	10	ug/L	100		86.0	65-148	2.29	30	
sec-Butylbenzene	23.8	0.50	ug/L	20		119	84-142	9.22	30	
tert-Butylbenzene	23.7	0.50	ug/L	20		118	70-130	11.2	30	
n-Butylbenzene	23.0	0.50	ug/L	20		115	70-130	8.65	30	
Carbon Disulfide	16.8	0.50	ug/L	20		84.0	17-177	4.94	30	
Carbon Tetrachloride	20.4	0.50	ug/L	20		102	66-155	5.12	30	
Chlorobenzene	21.2	0.50	ug/L	20		106	70-130	3.30	30	
Chloroethane	18.4	0.50	ug/L	20		91.9	45-166	8.39	30	
Chloroform	18.7	0.50	ug/L	20		93.6	71-131	3.31	30	
Chloromethane	15.0	0.50	ug/L	20		75.1	48-152	5.44	30	
2-Chlorotoluene	22.8	0.50	ug/L	20		114	70-130	9.10	30	
4-Chlorotoluene	22.6	0.50	ug/L	20		113	70-130	8.78	30	
1,2-Dibromo-3-chloropropane	17.6	1.0	ug/L	20		88.1	53-145	17.7	30	
Dibromochloromethane	19.6	0.50	ug/L	20		97.8	72-133	8.89	30	
1,2-Dibromoethane (EDB)	18.6	0.50	ug/L	20		93.0	79-120	13.6	30	
Dibromomethane	16.7	0.50	ug/L	20		83.6	68-124	18.1	30	
1,3-Dichlorobenzene	22.2	0.50	ug/L	20		111	70-130	4.33	30	
1,2-Dichlorobenzene	21.5	0.50	ug/L	20		108	70-130	1.11	30	
1,4-Dichlorobenzene	21.8	0.50	ug/L	20		109	70-130	2.70	30	
Dichlorodifluoromethane (R12)	13.7	0.50	ug/L	20		68.4	16-148	5.55	30	
1,1-Dichloroethane	18.9	0.50	ug/L	20		94.6	67-120	3.07	30	
1,2-Dichloroethane (EDC)	17.2	0.50	ug/L	20		85.8	57-156	10.0	30	
1,1-Dichloroethylene	16.7	0.50	ug/L	20		83.5	50-149	14.8	30	
trans-1,2-Dichloroethylene	18.7	0.50	ug/L	20		93.3	66-126	0.907	30	
cis-1,2-Dichloroethylene	18.2	0.50	ug/L	20		91.0	70-124	4.98	30	
1,2-Dichloropropane	18.0	0.50	ug/L	20		90.0	53-139	9.63	30	
2,2-Dichloropropane	14.0	0.50	ug/L	20		70.0	44-162	20.6	30	
1,3-Dichloropropane	19.1	0.50	ug/L	20		95.3	79-113	9.64	30	
cis-1,3-Dichloropropylene	17.9	0.50	ug/L	20		89.4	67-127	13.1	30	
trans-1,3-Dichloropropylene	20.3	0.50	ug/L	20		102	76-121	3.96	30	
1,1-Dichloropropylene	19.6	0.50	ug/L	20		97.8	84-124	1.86	30	

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1404 - EPA 5030B</i>										
LCS Dup (B9K1404-BSD1) Continued					Prepared & Analyzed: 11/14/19					
Diisopropyl ether (DIPE)	17.7	2.0	ug/L	20		88.6	51-136	8.38	30	
Ethylbenzene	21.9	0.50	ug/L	20		109	86-124	7.89	30	
Ethyl-tert-Butyl Ether (ETBE)	16.5	2.0	ug/L	20		82.4	62-136	15.1	30	
Hexachlorobutadiene	19.4	1.0	ug/L	20		96.8	76-140	3.60	30	
2-Hexanone (MBK)	15.2	10	ug/L	20		76.2	52-123	21.2	30	
Isopropylbenzene	23.6	0.50	ug/L	20		118	70-130	11.3	30	
4-Isopropyltoluene	23.6	1.0	ug/L	20		118	70-130	9.60	30	
Methyl-tert-Butyl Ether (MTBE)	30.8	1.2	ug/L	40		77.1	58-144	20.3	30	
Methylene Chloride	16.0	5.0	ug/L	20		79.9	50-135	11.2	30	
4-Methyl-2-pentanone (MIBK)	13.5	10	ug/L	20		67.6	49-139	33.1	30	QR-02
Naphthalene	17.4	2.0	ug/L	20		86.8	74-128	17.1	30	
n-Propylbenzene	23.3	0.50	ug/L	20		116	70-130	10.4	30	
Styrene	19.9	0.50	ug/L	20		99.3	84-123	0.0503	30	
1,1,1,2-Tetrachloroethane	20.0	0.50	ug/L	20		100	70-130	0.00	30	
1,1,2,2-Tetrachloroethane	17.2	0.50	ug/L	20		85.8	58-126	21.8	30	
Tetrachloroethylene (PCE)	22.2	0.50	ug/L	20		111	70-130	6.61	30	
Toluene	21.5	0.50	ug/L	20		108	83-118	6.83	30	
1,2,3-Trichlorobenzene	19.4	0.50	ug/L	20		97.2	77-134	11.7	30	
1,2,4-Trichlorobenzene	20.3	0.50	ug/L	20		101	84-128	7.91	30	
1,1,1-Trichloroethane	20.1	0.50	ug/L	20		101	66-158	4.21	30	
1,1,2-Trichloroethane	18.8	0.50	ug/L	20		94.0	75-115	11.4	30	
Trichloroethylene (TCE)	19.4	0.50	ug/L	20		96.8	82-128	0.206	30	
Trichlorofluoromethane (R11)	19.0	0.50	ug/L	20		95.0	65-137	6.52	30	
1,2,3-Trichloropropane	17.8	0.50	ug/L	20		89.0	68-123	15.0	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	16.6	0.50	ug/L	20		82.9	62-130	1.76	30	
1,3,5-Trimethylbenzene	23.4	0.50	ug/L	20		117	70-130	10.7	30	
1,2,4-Trimethylbenzene	23.5	0.50	ug/L	20		118	70-130	9.49	30	
Vinyl chloride	21.3	0.50	ug/L	20		106	51-151	45.9	30	QR-02
o-Xylene	21.7	0.50	ug/L	20		108	70-130	3.43	30	
m,p-Xylenes	43.4	1.0	ug/L	40		109	70-130	7.45	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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VOCs & OXYGENATES by GC/MS - Quality Control

Batch B9K1404 - EPA 5030B

LCS Dup (B9K1404-BSD1) Continued

Prepared & Analyzed: 11/14/19

Surrogate: 4-Bromofluorobenzene	48.5		ug/L	50		97.0	80-129			
Surrogate: Dibromofluoromethane	41.9		ug/L	50		83.8	68-137			
Surrogate: Toluene-d8	48.2		ug/L	50		96.5	83-134			

Matrix Spike (B9K1404-MS1)

Source: 9K11012-06 Prepared & Analyzed: 11/14/19

Acetone	37.3	10	ug/L	20	21.5	79.3	11-169			
tert-Amyl-Methyl Ether (TAME)	17.3	2.0	ug/L	20	<2.0	86.5	66-133			
Benzene	23.5	0.50	ug/L	20	5.13	92.0	56-135			
Bromobenzene	21.1	0.50	ug/L	20	<0.50	106	70-130			
Bromochloromethane	19.7	0.50	ug/L	20	<0.50	98.7	74-125			
Bromodichloromethane	18.8	0.50	ug/L	20	<0.50	93.8	68-144			
Bromoform	20.6	0.50	ug/L	20	<0.50	103	68-151			
Bromomethane	20.3	0.50	ug/L	20	<0.50	102	54-142			
2-Butanone (MEK)	21.1	10	ug/L	20	<10	105	62-145			
tert-Butyl Alcohol (TBA)	117	10	ug/L	100	26.9	90.4	73-162			
sec-Butylbenzene	23.3	0.50	ug/L	20	0.510	114	84-145			
tert-Butylbenzene	23.5	0.50	ug/L	20	0.960	113	70-130			
n-Butylbenzene	22.8	0.50	ug/L	20	<0.50	114	70-130			
Carbon Disulfide	19.5	0.50	ug/L	20	<0.50	97.7	28-151			
Carbon Tetrachloride	20.2	0.50	ug/L	20	<0.50	101	58-164			
Chlorobenzene	21.2	0.50	ug/L	20	<0.50	106	70-130			
Chloroethane	21.2	0.50	ug/L	20	<0.50	106	42-164			
Chloroform	18.9	0.50	ug/L	20	<0.50	94.6	65-138			
Chloromethane	13.6	0.50	ug/L	20	<0.50	68.0	50-152			
2-Chlorotoluene	21.6	0.50	ug/L	20	<0.50	108	70-130			
4-Chlorotoluene	21.7	0.50	ug/L	20	<0.50	109	70-130			
1,2-Dibromo-3-chloropropane	23.3	1.0	ug/L	20	<1.0	116	53-161			
Dibromochloromethane	21.0	0.50	ug/L	20	<0.50	105	70-130			
1,2-Dibromoethane (EDB)	21.7	0.50	ug/L	20	<0.50	109	76-130			
Dibromomethane	18.9	0.50	ug/L	20	<0.50	94.4	62-135			
1,3-Dichlorobenzene	22.0	0.50	ug/L	20	<0.50	110	70-130			
1,2-Dichlorobenzene	22.6	0.50	ug/L	20	<0.50	113	70-130			
1,4-Dichlorobenzene	21.6	0.50	ug/L	20	<0.50	108	70-130			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1404 - EPA 5030B</i>										
Matrix Spike (B9K1404-MS1) Continued Source: 9K11012-06 Prepared & Analyzed: 11/14/19										
Dichlorodifluoromethane (R12)	14.7	0.50	ug/L	20	<0.50	73.4	17-153			
1,1-Dichloroethane	19.3	0.50	ug/L	20	<0.50	96.6	55-131			
1,2-Dichloroethane (EDC)	18.3	0.50	ug/L	20	<0.50	91.4	52-168			
1,1-Dichloroethylene	19.2	0.50	ug/L	20	<0.50	95.8	51-140			
trans-1,2-Dichloroethylene	19.2	0.50	ug/L	20	<0.50	95.8	59-127			
cis-1,2-Dichloroethylene	19.4	0.50	ug/L	20	0.550	94.0	70-130			
1,2-Dichloropropane	18.3	0.50	ug/L	20	<0.50	91.6	52-142			
2,2-Dichloropropane	16.5	0.50	ug/L	20	<0.50	82.6	36-168			
1,3-Dichloropropane	21.0	0.50	ug/L	20	<0.50	105	80-121			
cis-1,3-Dichloropropylene	18.7	0.50	ug/L	20	<0.50	93.4	66-130			
trans-1,3-Dichloropropylene	20.7	0.50	ug/L	20	<0.50	103	78-130			
1,1-Dichloropropylene	19.8	0.50	ug/L	20	<0.50	99.0	76-132			
Diisopropyl ether (DIPE)	17.3	2.0	ug/L	20	<2.0	86.4	52-138			
Ethylbenzene	21.6	0.50	ug/L	20	<0.50	108	86-128			
Ethyl-tert-Butyl Ether (ETBE)	17.3	2.0	ug/L	20	<2.0	86.7	64-137			
Hexachlorobutadiene	21.4	1.0	ug/L	20	<1.0	107	70-130			
2-Hexanone (MBK)	20.5	10	ug/L	20	<10	102	52-141			
Isopropylbenzene	24.3	0.50	ug/L	20	1.89	112	70-130			
4-Isopropyltoluene	22.9	1.0	ug/L	20	0.480	112	83-149			
Methyl-tert-Butyl Ether (MTBE)	35.6	1.2	ug/L	40	<1.2	89.0	56-150			
Methylene Chloride	17.4	5.0	ug/L	20	<5.0	87.2	70-130			
4-Methyl-2-pentanone (MIBK)	18.9	10	ug/L	20	<10	94.7	60-148			
Naphthalene	27.6	2.0	ug/L	20	2.75	124	70-130			
n-Propylbenzene	22.6	0.50	ug/L	20	0.420	111	70-130			
Styrene	19.2	0.50	ug/L	20	<0.50	96.2	65-141			
1,1,1,2-Tetrachloroethane	19.7	0.50	ug/L	20	<0.50	98.6	70-130			
1,1,2,2-Tetrachloroethane	22.6	0.50	ug/L	20	<0.50	113	62-134			
Tetrachloroethylene (PCE)	22.1	0.50	ug/L	20	<0.50	111	70-130			
Toluene	21.8	0.50	ug/L	20	0.430	107	81-123			
1,2,3-Trichlorobenzene	23.4	0.50	ug/L	20	<0.50	117	73-144			
1,2,4-Trichlorobenzene	23.8	0.50	ug/L	20	<0.50	119	80-137			
1,1,1-Trichloroethane	20.1	0.50	ug/L	20	<0.50	101	62-164			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1404 - EPA 5030B</i>										
Matrix Spike (B9K1404-MS1) Continued Source: 9K11012-06 Prepared & Analyzed: 11/14/19										
1,1,2-Trichloroethane	21.5	0.50	ug/L	20	<0.50	107	76-122			
Trichloroethylene (TCE)	19.3	0.50	ug/L	20	<0.50	96.6	72-136			
Trichlorofluoromethane (R11)	21.2	0.50	ug/L	20	<0.50	106	59-144			
1,2,3-Trichloropropane	21.5	0.50	ug/L	20	<0.50	107	69-135			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	17.1	0.50	ug/L	20	<0.50	85.4	62-126			
1,3,5-Trimethylbenzene	23.6	0.50	ug/L	20	1.23	112	70-130			
1,2,4-Trimethylbenzene	22.6	0.50	ug/L	20	0.370	111	89-134			
Vinyl chloride	14.6	0.50	ug/L	20	<0.50	73.1	54-150			
o-Xylene	21.2	0.50	ug/L	20	<0.50	106	70-130			
m,p-Xylenes	42.4	1.0	ug/L	40	<1.0	106	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	48.2		ug/L	50		96.3	80-129			
<i>Surrogate: Dibromofluoromethane</i>	42.3		ug/L	50		84.6	68-137			
<i>Surrogate: Toluene-d8</i>	47.4		ug/L	50		94.7	83-134			
Matrix Spike Dup (B9K1404-MSD1) Source: 9K11012-06 Prepared & Analyzed: 11/14/19										
Acetone	27.9	10	ug/L	20	21.5	32.0	11-169	29.0	30	
tert-Amyl-Methyl Ether (TAME)	15.7	2.0	ug/L	20	<2.0	78.4	66-133	9.82	30	
Benzene	22.5	0.50	ug/L	20	5.13	86.9	56-135	4.47	30	
Bromobenzene	20.8	0.50	ug/L	20	<0.50	104	70-130	1.29	30	
Bromochloromethane	17.4	0.50	ug/L	20	<0.50	87.0	74-125	12.5	30	
Bromodichloromethane	17.8	0.50	ug/L	20	<0.50	88.9	68-144	5.31	30	
Bromoform	18.7	0.50	ug/L	20	<0.50	93.6	68-151	9.70	30	
Bromomethane	20.3	0.50	ug/L	20	<0.50	102	54-142	0.0984	30	
2-Butanone (MEK)	17.3	10	ug/L	20	<10	86.4	62-145	19.8	30	
tert-Butyl Alcohol (TBA)	99.2	10	ug/L	100	26.9	72.3	73-162	16.7	30	QM-07
sec-Butylbenzene	23.1	0.50	ug/L	20	0.510	113	84-145	1.03	30	
tert-Butylbenzene	23.7	0.50	ug/L	20	0.960	114	70-130	0.889	30	
n-Butylbenzene	22.2	0.50	ug/L	20	<0.50	111	70-130	2.49	30	
Carbon Disulfide	18.9	0.50	ug/L	20	<0.50	94.7	28-151	3.12	30	
Carbon Tetrachloride	19.9	0.50	ug/L	20	<0.50	99.5	58-164	1.50	30	
Chlorobenzene	21.0	0.50	ug/L	20	<0.50	105	70-130	1.14	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1404 - EPA 5030B</i>										
Matrix Spike Dup (B9K1404-MSD1) Source: 9K11012-06 Prepared & Analyzed: 11/14/19										
Continued										
Chloroethane	19.9	0.50	ug/L	20	<0.50	99.4	42-164	6.48	30	
Chloroform	18.1	0.50	ug/L	20	<0.50	90.6	65-138	4.21	30	
Chloromethane	16.1	0.50	ug/L	20	<0.50	80.6	50-152	16.9	30	
2-Chlorotoluene	22.0	0.50	ug/L	20	<0.50	110	70-130	2.25	30	
4-Chlorotoluene	21.9	0.50	ug/L	20	<0.50	110	70-130	0.963	30	
1,2-Dibromo-3-chloropropane	24.3	1.0	ug/L	20	<1.0	122	53-161	4.37	30	
Dibromochloromethane	19.5	0.50	ug/L	20	<0.50	97.6	70-130	7.59	30	
1,2-Dibromoethane (EDB)	19.3	0.50	ug/L	20	<0.50	96.4	76-130	11.9	30	
Dibromomethane	16.8	0.50	ug/L	20	<0.50	84.0	62-135	11.7	30	
1,3-Dichlorobenzene	21.6	0.50	ug/L	20	<0.50	108	70-130	1.79	30	
1,2-Dichlorobenzene	22.3	0.50	ug/L	20	<0.50	111	70-130	1.56	30	
1,4-Dichlorobenzene	21.6	0.50	ug/L	20	<0.50	108	70-130	0.139	30	
Dichlorodifluoromethane (R12)	15.1	0.50	ug/L	20	<0.50	75.4	17-153	2.62	30	
1,1-Dichloroethane	18.8	0.50	ug/L	20	<0.50	93.9	55-131	2.83	30	
1,2-Dichloroethane (EDC)	16.8	0.50	ug/L	20	<0.50	84.0	52-168	8.38	30	
1,1-Dichloroethylene	18.6	0.50	ug/L	20	<0.50	92.8	51-140	3.08	30	
trans-1,2-Dichloroethylene	18.5	0.50	ug/L	20	<0.50	92.5	59-127	3.56	30	
cis-1,2-Dichloroethylene	18.5	0.50	ug/L	20	0.550	89.6	70-130	4.71	30	
1,2-Dichloropropane	17.3	0.50	ug/L	20	<0.50	86.4	52-142	5.90	30	
2,2-Dichloropropane	16.5	0.50	ug/L	20	<0.50	82.4	36-168	0.242	30	
1,3-Dichloropropane	19.3	0.50	ug/L	20	<0.50	96.6	80-121	8.52	30	
cis-1,3-Dichloropropylene	17.1	0.50	ug/L	20	<0.50	85.4	66-130	8.95	30	
trans-1,3-Dichloropropylene	19.6	0.50	ug/L	20	<0.50	98.2	78-130	5.16	30	
1,1-Dichloropropylene	19.3	0.50	ug/L	20	<0.50	96.5	76-132	2.51	30	
Diisopropyl ether (DIPE)	16.5	2.0	ug/L	20	<2.0	82.4	52-138	4.62	30	
Ethylbenzene	21.7	0.50	ug/L	20	<0.50	108	86-128	0.139	30	
Ethyl-tert-Butyl Ether (ETBE)	16.1	2.0	ug/L	20	<2.0	80.3	64-137	7.66	30	
Hexachlorobutadiene	19.3	1.0	ug/L	20	<1.0	96.3	70-130	10.3	30	
2-Hexanone (MBK)	17.1	10	ug/L	20	<10	85.6	52-141	17.9	30	
Isopropylbenzene	24.8	0.50	ug/L	20	1.89	115	70-130	2.07	30	
4-Isopropyltoluene	22.4	1.0	ug/L	20	0.480	109	83-149	2.43	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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VOCs & OXYGENATES by GC/MS - Quality Control

Batch B9K1404 - EPA 5030B

Matrix Spike Dup (B9K1404-MSD1) Source: 9K11012-06 Prepared & Analyzed: 11/14/19

Continued

Methyl-tert-Butyl Ether (MTBE)	31.7	1.2	ug/L	40	<1.2	79.4	56-150	11.4	30	
Methylene Chloride	16.3	5.0	ug/L	20	<5.0	81.6	70-130	6.69	30	
4-Methyl-2-pentanone (MIBK)	15.0	10	ug/L	20	<10	75.2	60-148	23.0	30	
Naphthalene	26.2	2.0	ug/L	20	2.75	117	70-130	4.91	30	
n-Propylbenzene	22.9	0.50	ug/L	20	0.420	112	70-130	1.10	30	
Styrene	19.2	0.50	ug/L	20	<0.50	96.2	65-141	0.0520	30	
1,1,1,2-Tetrachloroethane	19.4	0.50	ug/L	20	<0.50	97.0	70-130	1.69	30	
1,1,2,2-Tetrachloroethane	19.9	0.50	ug/L	20	<0.50	99.4	62-134	12.9	30	
Tetrachloroethylene (PCE)	22.1	0.50	ug/L	20	<0.50	110	70-130	0.362	30	
Toluene	21.6	0.50	ug/L	20	0.430	106	81-123	0.553	30	
1,2,3-Trichlorobenzene	21.8	0.50	ug/L	20	<0.50	109	73-144	7.35	30	
1,2,4-Trichlorobenzene	23.0	0.50	ug/L	20	<0.50	115	80-137	3.42	30	
1,1,1-Trichloroethane	19.8	0.50	ug/L	20	<0.50	98.9	62-164	1.70	30	
1,1,2-Trichloroethane	19.3	0.50	ug/L	20	<0.50	96.6	76-122	10.5	30	
Trichloroethylene (TCE)	18.8	0.50	ug/L	20	<0.50	93.9	72-136	2.89	30	
Trichlorofluoromethane (R11)	21.2	0.50	ug/L	20	<0.50	106	59-144	0.236	30	
1,2,3-Trichloropropane	19.2	0.50	ug/L	20	<0.50	96.0	69-135	11.2	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	17.0	0.50	ug/L	20	<0.50	85.2	62-126	0.293	30	
1,3,5-Trimethylbenzene	23.9	0.50	ug/L	20	1.23	114	70-130	1.22	30	
1,2,4-Trimethylbenzene	23.1	0.50	ug/L	20	0.370	113	89-134	2.15	30	
Vinyl chloride	14.8	0.50	ug/L	20	<0.50	73.9	54-150	1.09	30	
o-Xylene	21.2	0.50	ug/L	20	<0.50	106	70-130	0.330	30	
m,p-Xylenes	42.3	1.0	ug/L	40	<1.0	106	70-130	0.0236	30	
Surrogate: 4-Bromofluorobenzene	49.0		ug/L	50		97.9	80-129			
Surrogate: Dibromofluoromethane	41.0		ug/L	50		82.0	68-137			
Surrogate: Toluene-d8	48.4		ug/L	50		96.8	83-134			

Batch B9K1512 - EPA 5030B

Blank (B9K1512-BLK1)

Prepared & Analyzed: 11/15/19

Acetone	<10	10	ug/L							
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Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1512 - EPA 5030B</i>										
Blank (B9K1512-BLK1) Continued										
Prepared & Analyzed: 11/15/19										
tert-Amyl-Methyl Ether (TAME)	<2.0	2.0	ug/L							
Benzene	<0.50	0.50	ug/L							
Bromobenzene	<0.50	0.50	ug/L							
Bromochloromethane	<0.50	0.50	ug/L							
Bromodichloromethane	<0.50	0.50	ug/L							
Bromoform	<0.50	0.50	ug/L							
Bromomethane	<0.50	0.50	ug/L							
2-Butanone (MEK)	<10	10	ug/L							
tert-Butyl Alcohol (TBA)	<10	10	ug/L							
sec-Butylbenzene	<0.50	0.50	ug/L							
tert-Butylbenzene	<0.50	0.50	ug/L							
n-Butylbenzene	<0.50	0.50	ug/L							
Carbon Disulfide	<0.50	0.50	ug/L							
Carbon Tetrachloride	<0.50	0.50	ug/L							
Chlorobenzene	<0.50	0.50	ug/L							
Chloroethane	<0.50	0.50	ug/L							
Chloroform	<0.50	0.50	ug/L							
Chloromethane	<0.50	0.50	ug/L							
2-Chlorotoluene	<0.50	0.50	ug/L							
4-Chlorotoluene	<0.50	0.50	ug/L							
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L							
Dibromochloromethane	<0.50	0.50	ug/L							
1,2-Dibromoethane (EDB)	<0.50	0.50	ug/L							
Dibromomethane	<0.50	0.50	ug/L							
1,3-Dichlorobenzene	<0.50	0.50	ug/L							
1,2-Dichlorobenzene	<0.50	0.50	ug/L							
1,4-Dichlorobenzene	<0.50	0.50	ug/L							
Dichlorodifluoromethane (R12)	<0.50	0.50	ug/L							
1,1-Dichloroethane	<0.50	0.50	ug/L							
1,2-Dichloroethane (EDC)	<0.50	0.50	ug/L							
1,1-Dichloroethylene	<0.50	0.50	ug/L							
trans-1,2-Dichloroethylene	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control									
<i>Batch B9K1512 - EPA 5030B</i>									
Blank (B9K1512-BLK1) Continued					Prepared & Analyzed: 11/15/19				
cis-1,2-Dichloroethylene	<0.50	0.50	ug/L						
1,2-Dichloropropane	<0.50	0.50	ug/L						
2,2-Dichloropropane	<0.50	0.50	ug/L						
1,3-Dichloropropane	<0.50	0.50	ug/L						
cis-1,3-Dichloropropylene	<0.50	0.50	ug/L						
trans-1,3-Dichloropropylene	<0.50	0.50	ug/L						
1,1-Dichloropropylene	<0.50	0.50	ug/L						
Diisopropyl ether (DIPE)	<2.0	2.0	ug/L						
Ethylbenzene	<0.50	0.50	ug/L						
Ethyl-tert-Butyl Ether (ETBE)	<2.0	2.0	ug/L						
Hexachlorobutadiene	<1.0	1.0	ug/L						
2-Hexanone (MBK)	<10	10	ug/L						
Isopropylbenzene	<0.50	0.50	ug/L						
4-Isopropyltoluene	<1.0	1.0	ug/L						
Methyl-tert-Butyl Ether (MTBE)	<1.2	1.2	ug/L						
Methylene Chloride	<5.0	5.0	ug/L						
4-Methyl-2-pentanone (MIBK)	<10	10	ug/L						
Naphthalene	<2.0	2.0	ug/L						
n-Propylbenzene	<0.50	0.50	ug/L						
Styrene	<0.50	0.50	ug/L						
1,1,1,2-Tetrachloroethane	<0.50	0.50	ug/L						
1,1,2,2-Tetrachloroethane	<0.50	0.50	ug/L						
Tetrachloroethylene (PCE)	<0.50	0.50	ug/L						
Toluene	<0.50	0.50	ug/L						
1,2,3-Trichlorobenzene	<0.50	0.50	ug/L						
1,2,4-Trichlorobenzene	<0.50	0.50	ug/L						
1,1,1-Trichloroethane	<0.50	0.50	ug/L						
1,1,2-Trichloroethane	<0.50	0.50	ug/L						
Trichloroethylene (TCE)	<0.50	0.50	ug/L						
Trichlorofluoromethane (R11)	<0.50	0.50	ug/L						
1,2,3-Trichloropropane	<0.50	0.50	ug/L						

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1512 - EPA 5030B</i>										
Blank (B9K1512-BLK1) Continued										
Prepared & Analyzed: 11/15/19										
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	0.50	ug/L							
1,3,5-Trimethylbenzene	<0.50	0.50	ug/L							
1,2,4-Trimethylbenzene	<0.50	0.50	ug/L							
Vinyl chloride	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>51.3</i>		<i>ug/L</i>	<i>50</i>		<i>103</i>	<i>80-129</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>43.4</i>		<i>ug/L</i>	<i>50</i>		<i>86.9</i>	<i>68-137</i>			
<i>Surrogate: Toluene-d8</i>	<i>47.2</i>		<i>ug/L</i>	<i>50</i>		<i>94.4</i>	<i>83-134</i>			
LCS (B9K1512-BS1)										
Prepared & Analyzed: 11/15/19										
Acetone	20.3	10	ug/L	20		101	27-123			
tert-Amyl-Methyl Ether (TAME)	22.0	2.0	ug/L	20		110	58-133			
Benzene	21.6	0.50	ug/L	20		108	60-134			
Bromobenzene	21.6	0.50	ug/L	20		108	70-130			
Bromochloromethane	26.4	0.50	ug/L	20		132	78-121			QL-02
Bromodichloromethane	22.9	0.50	ug/L	20		115	74-135			
Bromoform	22.5	0.50	ug/L	20		113	68-132			
Bromomethane	22.7	0.50	ug/L	20		114	58-142			
2-Butanone (MEK)	18.2	10	ug/L	20		91.2	62-138			
tert-Butyl Alcohol (TBA)	102	10	ug/L	100		102	65-148			
sec-Butylbenzene	22.7	0.50	ug/L	20		113	84-142			
tert-Butylbenzene	22.2	0.50	ug/L	20		111	70-130			
n-Butylbenzene	22.7	0.50	ug/L	20		114	70-130			
Carbon Disulfide	21.3	0.50	ug/L	20		107	17-177			
Carbon Tetrachloride	22.9	0.50	ug/L	20		115	66-155			
Chlorobenzene	21.7	0.50	ug/L	20		108	70-130			
Chloroethane	11.8	0.50	ug/L	20		59.2	45-166			
Chloroform	22.0	0.50	ug/L	20		110	71-131			
Chloromethane	16.0	0.50	ug/L	20		79.8	48-152			
2-Chlorotoluene	21.6	0.50	ug/L	20		108	70-130			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1512 - EPA 5030B</i>										
LCS (B9K1512-BS1) Continued										
Prepared & Analyzed: 11/15/19										
4-Chlorotoluene	21.8	0.50	ug/L	20		109	70-130			
1,2-Dibromo-3-chloropropane	26.2	1.0	ug/L	20		131	53-145			
Dibromochloromethane	24.5	0.50	ug/L	20		123	72-133			
1,2-Dibromoethane (EDB)	25.4	0.50	ug/L	20		127	79-120			QL-04
Dibromomethane	23.7	0.50	ug/L	20		118	68-124			
1,3-Dichlorobenzene	22.6	0.50	ug/L	20		113	70-130			
1,2-Dichlorobenzene	23.5	0.50	ug/L	20		118	70-130			
1,4-Dichlorobenzene	22.4	0.50	ug/L	20		112	70-130			
Dichlorodifluoromethane (R12)	15.0	0.50	ug/L	20		74.9	16-148			
1,1-Dichloroethane	22.2	0.50	ug/L	20		111	67-120			
1,2-Dichloroethane (EDC)	22.2	0.50	ug/L	20		111	57-156			
1,1-Dichloroethylene	22.1	0.50	ug/L	20		111	50-149			
trans-1,2-Dichloroethylene	20.5	0.50	ug/L	20		103	66-126			
cis-1,2-Dichloroethylene	21.5	0.50	ug/L	20		107	70-124			
1,2-Dichloropropane	22.3	0.50	ug/L	20		112	53-139			
2,2-Dichloropropane	25.5	0.50	ug/L	20		128	44-162			
1,3-Dichloropropane	24.7	0.50	ug/L	20		123	79-113			QL-04
cis-1,3-Dichloropropylene	23.7	0.50	ug/L	20		119	67-127			
trans-1,3-Dichloropropylene	24.6	0.50	ug/L	20		123	76-121			QL-02
1,1-Dichloropropylene	22.3	0.50	ug/L	20		112	84-124			
Diisopropyl ether (DIPE)	21.6	2.0	ug/L	20		108	51-136			
Ethylbenzene	21.7	0.50	ug/L	20		109	86-124			
Ethyl-tert-Butyl Ether (ETBE)	22.1	2.0	ug/L	20		111	62-136			
Hexachlorobutadiene	21.7	1.0	ug/L	20		109	76-140			
2-Hexanone (MBK)	21.0	10	ug/L	20		105	52-123			
Isopropylbenzene	21.3	0.50	ug/L	20		106	70-130			
4-Isopropyltoluene	22.7	1.0	ug/L	20		114	70-130			
Methyl-tert-Butyl Ether (MTBE)	42.8	1.2	ug/L	40		107	58-144			
Methylene Chloride	21.5	5.0	ug/L	20		107	50-135			
4-Methyl-2-pentanone (MIBK)	20.3	10	ug/L	20		101	49-139			
Naphthalene	26.9	2.0	ug/L	20		135	74-128			QL-02
n-Propylbenzene	21.8	0.50	ug/L	20		109	70-130			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1512 - EPA 5030B</i>										
LCS (B9K1512-BS1) Continued										
Prepared & Analyzed: 11/15/19										
Styrene	21.2	0.50	ug/L	20		106	84-123			
1,1,1,2-Tetrachloroethane	22.2	0.50	ug/L	20		111	70-130			
1,1,2,2-Tetrachloroethane	24.4	0.50	ug/L	20		122	58-126			
Tetrachloroethylene (PCE)	21.9	0.50	ug/L	20		109	70-130			
Toluene	20.8	0.50	ug/L	20		104	83-118			
1,2,3-Trichlorobenzene	25.6	0.50	ug/L	20		128	77-134			
1,2,4-Trichlorobenzene	25.1	0.50	ug/L	20		125	84-128			
1,1,1-Trichloroethane	22.4	0.50	ug/L	20		112	66-158			
1,1,2-Trichloroethane	24.3	0.50	ug/L	20		121	75-115			QL-04
Trichloroethylene (TCE)	22.0	0.50	ug/L	20		110	82-128			
Trichlorofluoromethane (R11)	24.2	0.50	ug/L	20		121	65-137			
1,2,3-Trichloropropane	23.9	0.50	ug/L	20		120	68-123			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	18.4	0.50	ug/L	20		92.1	62-130			
1,3,5-Trimethylbenzene	22.4	0.50	ug/L	20		112	70-130			
1,2,4-Trimethylbenzene	23.0	0.50	ug/L	20		115	70-130			
Vinyl chloride	15.9	0.50	ug/L	20		79.4	51-151			
o-Xylene	22.2	0.50	ug/L	20		111	70-130			
m,p-Xylenes	35.9	1.0	ug/L	40		89.8	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	45.7		ug/L	50		91.4	80-129			
<i>Surrogate: Dibromofluoromethane</i>	49.4		ug/L	50		98.7	68-137			
<i>Surrogate: Toluene-d8</i>	46.5		ug/L	50		93.0	83-134			
LCS Dup (B9K1512-BSD1)										
Prepared & Analyzed: 11/15/19										
Acetone	17.0	10	ug/L	20		84.9	27-123	17.7	30	
tert-Amyl-Methyl Ether (TAME)	19.7	2.0	ug/L	20		98.6	58-133	10.7	30	
Benzene	19.3	0.50	ug/L	20		96.4	60-134	11.5	30	
Bromobenzene	24.5	0.50	ug/L	20		122	70-130	12.5	30	
Bromochloromethane	22.3	0.50	ug/L	20		112	78-121	16.6	30	
Bromodichloromethane	21.9	0.50	ug/L	20		109	74-135	4.64	30	
Bromoform	22.4	0.50	ug/L	20		112	68-132	0.400	30	
Bromomethane	19.6	0.50	ug/L	20		98.2	58-142	14.4	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1512 - EPA 5030B</i>										
LCS Dup (B9K1512-BSD1) Continued					Prepared & Analyzed: 11/15/19					
2-Butanone (MEK)	17.2	10	ug/L	20		86.2	62-138	5.64	30	
tert-Butyl Alcohol (TBA)	98.6	10	ug/L	100		98.6	65-148	3.63	30	
sec-Butylbenzene	24.2	0.50	ug/L	20		121	84-142	6.56	30	
tert-Butylbenzene	23.6	0.50	ug/L	20		118	70-130	6.07	30	
n-Butylbenzene	23.4	0.50	ug/L	20		117	70-130	3.03	30	
Carbon Disulfide	17.1	0.50	ug/L	20		85.3	17-177	22.3	30	
Carbon Tetrachloride	18.5	0.50	ug/L	20		92.4	66-155	21.5	30	
Chlorobenzene	23.8	0.50	ug/L	20		119	70-130	9.29	30	
Chloroethane	19.2	0.50	ug/L	20		96.2	45-166	47.6	30	QR-02
Chloroform	19.5	0.50	ug/L	20		97.6	71-131	11.9	30	
Chloromethane	9.61	0.50	ug/L	20		48.0	48-152	49.6	30	QR-02
2-Chlorotoluene	23.9	0.50	ug/L	20		119	70-130	9.93	30	
4-Chlorotoluene	23.7	0.50	ug/L	20		118	70-130	8.13	30	
1,2-Dibromo-3-chloropropane	25.6	1.0	ug/L	20		128	53-145	2.66	30	
Dibromochloromethane	24.5	0.50	ug/L	20		122	72-133	0.163	30	
1,2-Dibromoethane (EDB)	24.3	0.50	ug/L	20		122	79-120	4.14	30	QL-04
Dibromomethane	19.2	0.50	ug/L	20		95.9	68-124	21.1	30	
1,3-Dichlorobenzene	24.1	0.50	ug/L	20		120	70-130	6.39	30	
1,2-Dichlorobenzene	24.3	0.50	ug/L	20		121	70-130	3.26	30	
1,4-Dichlorobenzene	23.9	0.50	ug/L	20		119	70-130	6.26	30	
Dichlorodifluoromethane (R12)	11.6	0.50	ug/L	20		58.0	16-148	25.4	30	
1,1-Dichloroethane	18.6	0.50	ug/L	20		93.2	67-120	17.5	30	
1,2-Dichloroethane (EDC)	19.0	0.50	ug/L	20		95.2	57-156	15.5	30	
1,1-Dichloroethylene	17.8	0.50	ug/L	20		89.0	50-149	21.7	30	
trans-1,2-Dichloroethylene	17.2	0.50	ug/L	20		85.9	66-126	17.7	30	
cis-1,2-Dichloroethylene	18.1	0.50	ug/L	20		90.5	70-124	17.1	30	
1,2-Dichloropropane	20.8	0.50	ug/L	20		104	53-139	7.28	30	
2,2-Dichloropropane	10.8	0.50	ug/L	20		54.2	44-162	80.9	30	
1,3-Dichloropropane	24.3	0.50	ug/L	20		121	79-113	1.63	30	QL-04
cis-1,3-Dichloropropylene	20.0	0.50	ug/L	20		100	67-127	17.0	30	
trans-1,3-Dichloropropylene	22.5	0.50	ug/L	20		112	76-121	8.89	30	
1,1-Dichloropropylene	19.4	0.50	ug/L	20		97.0	84-124	13.9	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1512 - EPA 5030B</i>										
LCS Dup (B9K1512-BSD1) Continued					Prepared & Analyzed: 11/15/19					
Diisopropyl ether (DIPE)	18.8	2.0	ug/L	20		93.8	51-136	14.0	30	
Ethylbenzene	24.0	0.50	ug/L	20		120	86-124	9.80	30	
Ethyl-tert-Butyl Ether (ETBE)	18.8	2.0	ug/L	20		93.8	62-136	16.5	30	
Hexachlorobutadiene	21.6	1.0	ug/L	20		108	76-140	0.739	30	
2-Hexanone (MBK)	21.9	10	ug/L	20		109	52-123	3.92	30	
Isopropylbenzene	24.6	0.50	ug/L	20		123	70-130	14.5	30	
4-Isopropyltoluene	23.7	1.0	ug/L	20		119	70-130	4.43	30	
Methyl-tert-Butyl Ether (MTBE)	35.0	1.2	ug/L	40		87.6	58-144	20.0	30	
Methylene Chloride	17.0	5.0	ug/L	20		85.0	50-135	23.1	30	
4-Methyl-2-pentanone (MIBK)	21.7	10	ug/L	20		108	49-139	6.68	30	
Naphthalene	23.4	2.0	ug/L	20		117	74-128	14.2	30	
n-Propylbenzene	24.5	0.50	ug/L	20		123	70-130	11.6	30	
Styrene	21.6	0.50	ug/L	20		108	84-123	2.10	30	
1,1,1,2-Tetrachloroethane	22.7	0.50	ug/L	20		114	70-130	2.27	30	
1,1,2,2-Tetrachloroethane	23.1	0.50	ug/L	20		116	58-126	5.18	30	
Tetrachloroethylene (PCE)	24.6	0.50	ug/L	20		123	70-130	11.6	30	
Toluene	22.9	0.50	ug/L	20		115	83-118	9.89	30	
1,2,3-Trichlorobenzene	24.4	0.50	ug/L	20		122	77-134	4.85	30	
1,2,4-Trichlorobenzene	25.0	0.50	ug/L	20		125	84-128	0.120	30	
1,1,1-Trichloroethane	19.7	0.50	ug/L	20		98.3	66-158	13.0	30	
1,1,2-Trichloroethane	24.8	0.50	ug/L	20		124	75-115	2.12	30	QL-04
Trichloroethylene (TCE)	20.7	0.50	ug/L	20		103	82-128	6.42	30	
Trichlorofluoromethane (R11)	20.1	0.50	ug/L	20		101	65-137	18.5	30	
1,2,3-Trichloropropane	22.8	0.50	ug/L	20		114	68-123	4.93	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	16.0	0.50	ug/L	20		80.2	62-130	13.8	30	
1,3,5-Trimethylbenzene	24.8	0.50	ug/L	20		124	70-130	10.2	30	
1,2,4-Trimethylbenzene	24.3	0.50	ug/L	20		122	70-130	5.67	30	
Vinyl chloride	12.3	0.50	ug/L	20		61.4	51-151	25.4	30	
o-Xylene	23.6	0.50	ug/L	20		118	70-130	6.29	30	
m,p-Xylenes	36.5	1.0	ug/L	40		91.2	70-130	1.46	30	

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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VOCs & OXYGENATES by GC/MS - Quality Control

Batch B9K1512 - EPA 5030B

LCS Dup (B9K1512-BSD1) Continued

Prepared & Analyzed: 11/15/19

Surrogate: 4-Bromofluorobenzene	48.7		ug/L	50		97.4	80-129			
Surrogate: Dibromofluoromethane	42.2		ug/L	50		84.4	68-137			
Surrogate: Toluene-d8	47.4		ug/L	50		94.7	83-134			

Matrix Spike (B9K1512-MS1)

Source: 9K11012-08 Prepared & Analyzed: 11/15/19

Acetone	25.6	10	ug/L	20	15.5	50.8	11-169			
tert-Amyl-Methyl Ether (TAME)	18.6	2.0	ug/L	20	<2.0	93.1	66-133			
Benzene	19.8	0.50	ug/L	20	<0.50	99.2	56-135			
Bromobenzene	24.1	0.50	ug/L	20	<0.50	120	70-130			
Bromochloromethane	23.4	0.50	ug/L	20	<0.50	117	74-125			
Bromodichloromethane	23.2	0.50	ug/L	20	<0.50	116	68-144			
Bromoform	22.1	0.50	ug/L	20	<0.50	110	68-151			
Bromomethane	18.4	0.50	ug/L	20	<0.50	92.0	54-142			
2-Butanone (MEK)	17.0	10	ug/L	20	<10	84.9	62-145			
tert-Butyl Alcohol (TBA)	81.4	10	ug/L	100	<10	81.4	73-162			
sec-Butylbenzene	23.7	0.50	ug/L	20	<0.50	118	84-145			
tert-Butylbenzene	23.4	0.50	ug/L	20	<0.50	117	70-130			
n-Butylbenzene	23.0	0.50	ug/L	20	<0.50	115	70-130			
Carbon Disulfide	17.2	0.50	ug/L	20	<0.50	86.0	28-151			
Carbon Tetrachloride	20.1	0.50	ug/L	20	<0.50	100	58-164			
Chlorobenzene	23.8	0.50	ug/L	20	<0.50	119	70-130			
Chloroethane	10.1	0.50	ug/L	20	<0.50	50.6	42-164			
Chloroform	20.4	0.50	ug/L	20	<0.50	102	65-138			
Chloromethane	10.2	0.50	ug/L	20	<0.50	51.2	50-152			
2-Chlorotoluene	22.7	0.50	ug/L	20	<0.50	113	70-130			
4-Chlorotoluene	23.1	0.50	ug/L	20	<0.50	115	70-130			
1,2-Dibromo-3-chloropropane	20.7	1.0	ug/L	20	<1.0	104	53-161			
Dibromochloromethane	23.9	0.50	ug/L	20	<0.50	120	70-130			
1,2-Dibromoethane (EDB)	23.8	0.50	ug/L	20	<0.50	119	76-130			
Dibromomethane	22.4	0.50	ug/L	20	<0.50	112	62-135			
1,3-Dichlorobenzene	24.1	0.50	ug/L	20	<0.50	120	70-130			
1,2-Dichlorobenzene	24.1	0.50	ug/L	20	<0.50	120	70-130			
1,4-Dichlorobenzene	23.7	0.50	ug/L	20	<0.50	119	70-130			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1512 - EPA 5030B</i>										
Matrix Spike (B9K1512-MS1) Continued Source: 9K11012-08 Prepared & Analyzed: 11/15/19										
Dichlorodifluoromethane (R12)	13.7	0.50	ug/L	20	<0.50	68.6	17-153			
1,1-Dichloroethane	18.4	0.50	ug/L	20	<0.50	92.2	55-131			
1,2-Dichloroethane (EDC)	20.3	0.50	ug/L	20	1.36	94.8	52-168			
1,1-Dichloroethylene	17.0	0.50	ug/L	20	<0.50	85.2	51-140			
trans-1,2-Dichloroethylene	17.7	0.50	ug/L	20	<0.50	88.6	59-127			
cis-1,2-Dichloroethylene	19.2	0.50	ug/L	20	<0.50	95.8	70-130			
1,2-Dichloropropane	22.0	0.50	ug/L	20	<0.50	110	52-142			
2,2-Dichloropropane	24.0	0.50	ug/L	20	<0.50	120	36-168			
1,3-Dichloropropane	23.4	0.50	ug/L	20	<0.50	117	80-121			
cis-1,3-Dichloropropylene	24.0	0.50	ug/L	20	<0.50	120	66-130			
trans-1,3-Dichloropropylene	23.6	0.50	ug/L	20	<0.50	118	78-130			
1,1-Dichloropropylene	19.3	0.50	ug/L	20	<0.50	96.6	76-132			
Diisopropyl ether (DIPE)	17.8	2.0	ug/L	20	<2.0	88.8	52-138			
Ethylbenzene	22.8	0.50	ug/L	20	<0.50	114	86-128			
Ethyl-tert-Butyl Ether (ETBE)	17.5	2.0	ug/L	20	<2.0	87.4	64-137			
Hexachlorobutadiene	22.2	1.0	ug/L	20	<1.0	111	70-130			
2-Hexanone (MBK)	17.7	10	ug/L	20	<10	88.7	52-141			
Isopropylbenzene	23.6	0.50	ug/L	20	<0.50	118	70-130			
4-Isopropyltoluene	23.3	1.0	ug/L	20	<1.0	116	83-149			
Methyl-tert-Butyl Ether (MTBE)	32.2	1.2	ug/L	40	<1.2	80.6	56-150			
Methylene Chloride	17.3	5.0	ug/L	20	<5.0	86.4	70-130			
4-Methyl-2-pentanone (MIBK)	19.0	10	ug/L	20	<10	94.9	60-148			
Naphthalene	24.2	2.0	ug/L	20	<2.0	121	70-130			
n-Propylbenzene	23.2	0.50	ug/L	20	<0.50	116	70-130			
Styrene	22.2	0.50	ug/L	20	<0.50	111	65-141			
1,1,1,2-Tetrachloroethane	22.1	0.50	ug/L	20	<0.50	110	70-130			
1,1,2,2-Tetrachloroethane	22.1	0.50	ug/L	20	<0.50	110	62-134			
Tetrachloroethylene (PCE)	23.0	0.50	ug/L	20	<0.50	115	70-130			
Toluene	21.4	0.50	ug/L	20	<0.50	107	81-123			
1,2,3-Trichlorobenzene	25.1	0.50	ug/L	20	<0.50	126	73-144			
1,2,4-Trichlorobenzene	25.2	0.50	ug/L	20	<0.50	126	80-137			
1,1,1-Trichloroethane	19.4	0.50	ug/L	20	<0.50	96.8	62-164			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1512 - EPA 5030B</i>										
Matrix Spike (B9K1512-MS1) Continued Source: 9K11012-08 Prepared & Analyzed: 11/15/19										
1,1,2-Trichloroethane	23.5	0.50	ug/L	20	<0.50	117	76-122			
Trichloroethylene (TCE)	20.6	0.50	ug/L	20	<0.50	103	72-136			
Trichlorofluoromethane (R11)	17.8	0.50	ug/L	20	<0.50	89.0	59-144			
1,2,3-Trichloropropane	21.7	0.50	ug/L	20	<0.50	108	69-135			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	16.3	0.50	ug/L	20	<0.50	81.4	62-126			
1,3,5-Trimethylbenzene	23.5	0.50	ug/L	20	<0.50	118	70-130			
1,2,4-Trimethylbenzene	23.8	0.50	ug/L	20	<0.50	119	89-134			
Vinyl chloride	14.3	0.50	ug/L	20	<0.50	71.4	54-150			
o-Xylene	23.6	0.50	ug/L	20	<0.50	118	70-130			
m,p-Xylenes	36.8	1.0	ug/L	40	<1.0	91.9	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	46.2		ug/L	50		92.3	80-129			
<i>Surrogate: Dibromofluoromethane</i>	44.8		ug/L	50		89.6	68-137			
<i>Surrogate: Toluene-d8</i>	44.1		ug/L	50		88.2	83-134			
Matrix Spike Dup (B9K1512-MSD1) Source: 9K11012-08 Prepared & Analyzed: 11/15/19										
Acetone	18.6	10	ug/L	20	15.5	15.5	11-169	31.9	30	QR-02
tert-Amyl-Methyl Ether (TAME)	16.5	2.0	ug/L	20	<2.0	82.4	66-133	12.2	30	
Benzene	19.6	0.50	ug/L	20	<0.50	97.8	56-135	1.37	30	
Bromobenzene	24.5	0.50	ug/L	20	<0.50	123	70-130	1.81	30	
Bromochloromethane	16.8	0.50	ug/L	20	<0.50	83.8	74-125	32.9	30	
Bromodichloromethane	20.6	0.50	ug/L	20	<0.50	103	68-144	12.2	30	
Bromoform	19.6	0.50	ug/L	20	<0.50	97.9	68-151	12.0	30	
Bromomethane	17.0	0.50	ug/L	20	<0.50	85.2	54-142	7.68	30	
2-Butanone (MEK)	15.2	10	ug/L	20	<10	76.0	62-145	11.0	30	
tert-Butyl Alcohol (TBA)	98.1	10	ug/L	100	<10	98.1	73-162	18.5	30	
sec-Butylbenzene	26.6	0.50	ug/L	20	<0.50	133	84-145	11.5	30	
tert-Butylbenzene	26.0	0.50	ug/L	20	<0.50	130	70-130	10.8	30	
n-Butylbenzene	25.3	0.50	ug/L	20	<0.50	127	70-130	9.78	30	
Carbon Disulfide	16.6	0.50	ug/L	20	<0.50	82.9	28-151	3.67	30	
Carbon Tetrachloride	20.7	0.50	ug/L	20	<0.50	103	58-164	3.00	30	
Chlorobenzene	24.3	0.50	ug/L	20	<0.50	122	70-130	2.12	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1512 - EPA 5030B</i>										
Matrix Spike Dup (B9K1512-MSD1) Source: 9K11012-08 Prepared & Analyzed: 11/15/19										
Continued										
Chloroethane	20.2	0.50	ug/L	20	<0.50	101	42-164	66.6	30	QR-02
Chloroform	19.7	0.50	ug/L	20	<0.50	98.3	65-138	3.60	30	
Chloromethane	13.8	0.50	ug/L	20	<0.50	68.8	50-152	29.4	30	
2-Chlorotoluene	24.8	0.50	ug/L	20	<0.50	124	70-130	9.01	30	
4-Chlorotoluene	24.7	0.50	ug/L	20	<0.50	124	70-130	6.91	30	
1,2-Dibromo-3-chloropropane	20.8	1.0	ug/L	20	<1.0	104	53-161	0.386	30	
Dibromochloromethane	21.8	0.50	ug/L	20	<0.50	109	70-130	9.23	30	
1,2-Dibromoethane (EDB)	20.8	0.50	ug/L	20	<0.50	104	76-130	13.0	30	
Dibromomethane	17.8	0.50	ug/L	20	<0.50	89.2	62-135	22.7	30	
1,3-Dichlorobenzene	24.8	0.50	ug/L	20	<0.50	124	70-130	2.78	30	
1,2-Dichlorobenzene	23.6	0.50	ug/L	20	<0.50	118	70-130	2.05	30	
1,4-Dichlorobenzene	24.0	0.50	ug/L	20	<0.50	120	70-130	1.34	30	
Dichlorodifluoromethane (R12)	12.2	0.50	ug/L	20	<0.50	61.2	17-153	11.3	30	
1,1-Dichloroethane	18.6	0.50	ug/L	20	<0.50	93.0	55-131	0.810	30	
1,2-Dichloroethane (EDC)	16.9	0.50	ug/L	20	1.36	77.6	52-168	18.4	30	
1,1-Dichloroethylene	16.5	0.50	ug/L	20	<0.50	82.6	51-140	3.04	30	
trans-1,2-Dichloroethylene	18.3	0.50	ug/L	20	<0.50	91.4	59-127	3.22	30	
cis-1,2-Dichloroethylene	18.7	0.50	ug/L	20	<0.50	93.6	70-130	2.32	30	
1,2-Dichloropropane	19.9	0.50	ug/L	20	<0.50	99.4	52-142	10.1	30	
2,2-Dichloropropane	18.2	0.50	ug/L	20	<0.50	91.0	36-168	27.7	30	
1,3-Dichloropropane	20.7	0.50	ug/L	20	<0.50	103	80-121	12.3	30	
cis-1,3-Dichloropropylene	20.4	0.50	ug/L	20	<0.50	102	66-130	16.1	30	
trans-1,3-Dichloropropylene	22.6	0.50	ug/L	20	<0.50	113	78-130	4.15	30	
1,1-Dichloropropylene	19.8	0.50	ug/L	20	<0.50	99.0	76-132	2.46	30	
Diisopropyl ether (DIPE)	17.1	2.0	ug/L	20	<2.0	85.7	52-138	3.61	30	
Ethylbenzene	24.8	0.50	ug/L	20	<0.50	124	86-128	8.32	30	
Ethyl-tert-Butyl Ether (ETBE)	16.0	2.0	ug/L	20	<2.0	80.0	64-137	8.72	30	
Hexachlorobutadiene	24.1	1.0	ug/L	20	<1.0	121	70-130	8.24	30	
2-Hexanone (MBK)	17.8	10	ug/L	20	<10	88.9	52-141	0.225	30	
Isopropylbenzene	26.7	0.50	ug/L	20	<0.50	133	70-130	12.2	30	QM-07
4-Isopropyltoluene	26.1	1.0	ug/L	20	<1.0	131	83-149	11.4	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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VOCs & OXYGENATES by GC/MS - Quality Control

Batch B9K1512 - EPA 5030B

Matrix Spike Dup (B9K1512-MSD1) Source: 9K11012-08 Prepared & Analyzed: 11/15/19

Continued

Methyl-tert-Butyl Ether (MTBE)	27.5	1.2	ug/L	40	<1.2	68.8	56-150	15.7	30	
Methylene Chloride	15.3	5.0	ug/L	20	<5.0	76.6	70-130	11.9	30	
4-Methyl-2-pentanone (MIBK)	16.8	10	ug/L	20	<10	84.1	60-148	12.1	30	
Naphthalene	19.2	2.0	ug/L	20	<2.0	96.1	70-130	22.9	30	
n-Propylbenzene	26.0	0.50	ug/L	20	<0.50	130	70-130	11.3	30	
Styrene	22.3	0.50	ug/L	20	<0.50	112	65-141	0.314	30	
1,1,1,2-Tetrachloroethane	22.2	0.50	ug/L	20	<0.50	111	70-130	0.542	30	
1,1,2,2-Tetrachloroethane	19.6	0.50	ug/L	20	<0.50	98.1	62-134	11.7	30	
Tetrachloroethylene (PCE)	25.8	0.50	ug/L	20	<0.50	129	70-130	11.1	30	
Toluene	23.5	0.50	ug/L	20	<0.50	117	81-123	9.36	30	
1,2,3-Trichlorobenzene	21.6	0.50	ug/L	20	<0.50	108	73-144	15.2	30	
1,2,4-Trichlorobenzene	23.2	0.50	ug/L	20	<0.50	116	80-137	8.05	30	
1,1,1-Trichloroethane	20.2	0.50	ug/L	20	<0.50	101	62-164	4.45	30	
1,1,2-Trichloroethane	20.9	0.50	ug/L	20	<0.50	105	76-122	11.5	30	
Trichloroethylene (TCE)	20.8	0.50	ug/L	20	<0.50	104	72-136	0.628	30	
Trichlorofluoromethane (R11)	20.4	0.50	ug/L	20	<0.50	102	59-144	13.4	30	
1,2,3-Trichloropropane	19.9	0.50	ug/L	20	<0.50	99.4	69-135	8.62	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	16.8	0.50	ug/L	20	<0.50	84.0	62-126	3.20	30	
1,3,5-Trimethylbenzene	25.8	0.50	ug/L	20	<0.50	129	70-130	9.33	30	
1,2,4-Trimethylbenzene	25.8	0.50	ug/L	20	<0.50	129	89-134	8.18	30	
Vinyl chloride	22.7	0.50	ug/L	20	<0.50	114	54-150	45.6	30	QR-02
o-Xylene	24.5	0.50	ug/L	20	<0.50	123	70-130	3.66	30	
m,p-Xylenes	42.2	1.0	ug/L	40	<1.0	106	70-130	13.9	30	
Surrogate: 4-Bromofluorobenzene	46.9		ug/L	50		93.9	80-129			
Surrogate: Dibromofluoromethane	40.4		ug/L	50		80.8	68-137			
Surrogate: Toluene-d8	46.8		ug/L	50		93.5	83-134			

Batch B9K1921 - EPA 5030B

Blank (B9K1921-BLK1)

Prepared & Analyzed: 11/19/19

Acetone	<10	10	ug/L							
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Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1921 - EPA 5030B</i>										
Blank (B9K1921-BLK1) Continued										
Prepared & Analyzed: 11/19/19										
tert-Amyl-Methyl Ether (TAME)	<2.0	2.0	ug/L							
Benzene	<0.50	0.50	ug/L							
Bromobenzene	<0.50	0.50	ug/L							
Bromochloromethane	<0.50	0.50	ug/L							
Bromodichloromethane	<0.50	0.50	ug/L							
Bromoform	<0.50	0.50	ug/L							
Bromomethane	<0.50	0.50	ug/L							
2-Butanone (MEK)	<10	10	ug/L							
tert-Butyl Alcohol (TBA)	<10	10	ug/L							
sec-Butylbenzene	<0.50	0.50	ug/L							
tert-Butylbenzene	<0.50	0.50	ug/L							
n-Butylbenzene	<0.50	0.50	ug/L							
Carbon Disulfide	<0.50	0.50	ug/L							
Carbon Tetrachloride	<0.50	0.50	ug/L							
Chlorobenzene	<0.50	0.50	ug/L							
Chloroethane	<0.50	0.50	ug/L							
Chloroform	<0.50	0.50	ug/L							
Chloromethane	<0.50	0.50	ug/L							
2-Chlorotoluene	<0.50	0.50	ug/L							
4-Chlorotoluene	<0.50	0.50	ug/L							
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L							
Dibromochloromethane	<0.50	0.50	ug/L							
1,2-Dibromoethane (EDB)	<0.50	0.50	ug/L							
Dibromomethane	<0.50	0.50	ug/L							
1,3-Dichlorobenzene	<0.50	0.50	ug/L							
1,2-Dichlorobenzene	<0.50	0.50	ug/L							
1,4-Dichlorobenzene	<0.50	0.50	ug/L							
Dichlorodifluoromethane (R12)	<0.50	0.50	ug/L							
1,1-Dichloroethane	<0.50	0.50	ug/L							
1,2-Dichloroethane (EDC)	<0.50	0.50	ug/L							
1,1-Dichloroethylene	<0.50	0.50	ug/L							
trans-1,2-Dichloroethylene	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limit	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1921 - EPA 5030B</i>										
Blank (B9K1921-BLK1) Continued										
Prepared & Analyzed: 11/19/19										
cis-1,2-Dichloroethylene	<0.50	0.50	ug/L							
1,2-Dichloropropane	<0.50	0.50	ug/L							
2,2-Dichloropropane	<0.50	0.50	ug/L							
1,3-Dichloropropane	<0.50	0.50	ug/L							
cis-1,3-Dichloropropylene	<0.50	0.50	ug/L							
trans-1,3-Dichloropropylene	<0.50	0.50	ug/L							
1,1-Dichloropropylene	<0.50	0.50	ug/L							
Diisopropyl ether (DIPE)	<2.0	2.0	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Ethyl-tert-Butyl Ether (ETBE)	<2.0	2.0	ug/L							
Hexachlorobutadiene	<1.0	1.0	ug/L							
2-Hexanone (MBK)	<10	10	ug/L							
Isopropylbenzene	<0.50	0.50	ug/L							
4-Isopropyltoluene	<1.0	1.0	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<1.2	1.2	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
4-Methyl-2-pentanone (MIBK)	<10	10	ug/L							
Naphthalene	<2.0	2.0	ug/L							
n-Propylbenzene	<0.50	0.50	ug/L							
Styrene	<0.50	0.50	ug/L							
1,1,1,2-Tetrachloroethane	<0.50	0.50	ug/L							
1,1,2,2-Tetrachloroethane	<0.50	0.50	ug/L							
Tetrachloroethylene (PCE)	<0.50	0.50	ug/L							
Toluene	<0.50	0.50	ug/L							
1,2,3-Trichlorobenzene	<0.50	0.50	ug/L							
1,2,4-Trichlorobenzene	<0.50	0.50	ug/L							
1,1,1-Trichloroethane	<0.50	0.50	ug/L							
1,1,2-Trichloroethane	<0.50	0.50	ug/L							
Trichloroethylene (TCE)	<0.50	0.50	ug/L							
Trichlorofluoromethane (R11)	<0.50	0.50	ug/L							
1,2,3-Trichloropropane	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1921 - EPA 5030B</i>										
Blank (B9K1921-BLK1) Continued										
Prepared & Analyzed: 11/19/19										
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	0.50	ug/L							
1,3,5-Trimethylbenzene	<0.50	0.50	ug/L							
1,2,4-Trimethylbenzene	<0.50	0.50	ug/L							
Vinyl chloride	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>97.8</i>		<i>ug/L</i>	<i>100</i>		<i>97.8</i>	<i>80-129</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>81.2</i>		<i>ug/L</i>	<i>100</i>		<i>81.2</i>	<i>68-137</i>			
<i>Surrogate: Toluene-d8</i>	<i>89.9</i>		<i>ug/L</i>	<i>100</i>		<i>89.9</i>	<i>83-134</i>			
LCS (B9K1921-BS1)										
Prepared & Analyzed: 11/19/19										
Acetone	33.2	10	ug/L	40		83.0	27-123			
tert-Amyl-Methyl Ether (TAME)	40.7	2.0	ug/L	40		102	58-133			
Benzene	37.3	0.50	ug/L	40		93.3	60-134			
Bromobenzene	45.6	0.50	ug/L	40		114	70-130			
Bromochloromethane	43.3	0.50	ug/L	40		108	78-121			
Bromodichloromethane	45.0	0.50	ug/L	40		112	74-135			
Bromoform	46.9	0.50	ug/L	40		117	68-132			
Bromomethane	39.1	0.50	ug/L	40		97.6	58-142			
2-Butanone (MEK)	37.3	10	ug/L	40		93.3	62-138			
tert-Butyl Alcohol (TBA)	208	10	ug/L	200		104	65-148			
sec-Butylbenzene	44.9	0.50	ug/L	40		112	84-142			
tert-Butylbenzene	44.1	0.50	ug/L	40		110	70-130			
n-Butylbenzene	44.0	0.50	ug/L	40		110	70-130			
Carbon Disulfide	29.2	0.50	ug/L	40		73.0	17-177			
Carbon Tetrachloride	36.3	0.50	ug/L	40		90.7	66-155			
Chlorobenzene	44.8	0.50	ug/L	40		112	70-130			
Chloroethane	29.1	0.50	ug/L	40		72.6	45-166			
Chloroform	37.2	0.50	ug/L	40		93.0	71-131			
Chloromethane	16.7	0.50	ug/L	40		41.6	48-152			QL-07
2-Chlorotoluene	43.0	0.50	ug/L	40		107	70-130			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1921 - EPA 5030B</i>										
LCS (B9K1921-BS1) Continued										
Prepared & Analyzed: 11/19/19										
4-Chlorotoluene	43.5	0.50	ug/L	40		109	70-130			
1,2-Dibromo-3-chloropropane	53.1	1.0	ug/L	40		133	53-145			
Dibromochloromethane	49.1	0.50	ug/L	40		123	72-133			
1,2-Dibromoethane (EDB)	49.7	0.50	ug/L	40		124	79-120			QL-04
Dibromomethane	42.0	0.50	ug/L	40		105	68-124			
1,3-Dichlorobenzene	46.3	0.50	ug/L	40		116	70-130			
1,2-Dichlorobenzene	48.1	0.50	ug/L	40		120	70-130			
1,4-Dichlorobenzene	45.6	0.50	ug/L	40		114	70-130			
Dichlorodifluoromethane (R12)	30.2	0.50	ug/L	40		75.5	16-148			
1,1-Dichloroethane	33.7	0.50	ug/L	40		84.4	67-120			
1,2-Dichloroethane (EDC)	38.8	0.50	ug/L	40		97.0	57-156			
1,1-Dichloroethylene	32.9	0.50	ug/L	40		82.3	50-149			
trans-1,2-Dichloroethylene	32.4	0.50	ug/L	40		80.9	66-126			
cis-1,2-Dichloroethylene	34.3	0.50	ug/L	40		85.8	70-124			
1,2-Dichloropropane	42.4	0.50	ug/L	40		106	53-139			
2,2-Dichloropropane	23.4	0.50	ug/L	40		58.4	44-162			
1,3-Dichloropropane	47.1	0.50	ug/L	40		118	79-113			QL-04
cis-1,3-Dichloropropylene	44.0	0.50	ug/L	40		110	67-127			
trans-1,3-Dichloropropylene	43.6	0.50	ug/L	40		109	76-121			
1,1-Dichloropropylene	35.9	0.50	ug/L	40		89.6	84-124			
Diisopropyl ether (DIPE)	34.4	2.0	ug/L	40		86.0	51-136			
Ethylbenzene	43.5	0.50	ug/L	40		109	86-124			
Ethyl-tert-Butyl Ether (ETBE)	36.3	2.0	ug/L	40		90.8	62-136			
Hexachlorobutadiene	43.2	1.0	ug/L	40		108	76-140			
2-Hexanone (MBK)	43.6	10	ug/L	40		109	52-123			
Isopropylbenzene	43.4	0.50	ug/L	40		109	70-130			
4-Isopropyltoluene	44.6	1.0	ug/L	40		111	70-130			
Methyl-tert-Butyl Ether (MTBE)	69.9	1.2	ug/L	80		87.4	58-144			
Methylene Chloride	32.5	5.0	ug/L	40		81.3	50-135			
4-Methyl-2-pentanone (MIBK)	47.1	10	ug/L	40		118	49-139			
Naphthalene	50.9	2.0	ug/L	40		127	74-128			
n-Propylbenzene	43.7	0.50	ug/L	40		109	70-130			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1921 - EPA 5030B</i>										
LCS (B9K1921-BS1) Continued					Prepared & Analyzed: 11/19/19					
Styrene	41.8	0.50	ug/L	40		104	84-123			
1,1,1,2-Tetrachloroethane	43.8	0.50	ug/L	40		109	70-130			
1,1,2,2-Tetrachloroethane	50.8	0.50	ug/L	40		127	58-126			QL-04
Tetrachloroethylene (PCE)	44.5	0.50	ug/L	40		111	70-130			
Toluene	40.9	0.50	ug/L	40		102	83-118			
1,2,3-Trichlorobenzene	51.7	0.50	ug/L	40		129	77-134			
1,2,4-Trichlorobenzene	49.9	0.50	ug/L	40		125	84-128			
1,1,1-Trichloroethane	36.5	0.50	ug/L	40		91.2	66-158			
1,1,2-Trichloroethane	48.2	0.50	ug/L	40		120	75-115			QL-04
Trichloroethylene (TCE)	41.1	0.50	ug/L	40		103	82-128			
Trichlorofluoromethane (R11)	30.3	0.50	ug/L	40		75.8	65-137			
1,2,3-Trichloropropane	46.8	0.50	ug/L	40		117	68-123			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	25.8	0.50	ug/L	40		64.4	62-130			
1,3,5-Trimethylbenzene	43.8	0.50	ug/L	40		109	70-130			
1,2,4-Trimethylbenzene	44.3	0.50	ug/L	40		111	70-130			
Vinyl chloride	19.9	0.50	ug/L	40		49.8	51-151			QL-02
o-Xylene	44.2	0.50	ug/L	40		111	70-130			
m,p-Xylenes	85.8	1.0	ug/L	80		107	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>91.4</i>		<i>ug/L</i>	<i>100</i>		<i>91.4</i>	<i>80-129</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>87.7</i>		<i>ug/L</i>	<i>100</i>		<i>87.7</i>	<i>68-137</i>			
<i>Surrogate: Toluene-d8</i>	<i>88.7</i>		<i>ug/L</i>	<i>100</i>		<i>88.7</i>	<i>83-134</i>			
LCS Dup (B9K1921-BSD1)					Prepared & Analyzed: 11/19/19					
Acetone	36.1	10	ug/L	40		90.2	27-123	8.32	30	
tert-Amyl-Methyl Ether (TAME)	42.8	2.0	ug/L	40		107	58-133	5.12	30	
Benzene	39.2	0.50	ug/L	40		98.0	60-134	4.96	30	
Bromobenzene	48.3	0.50	ug/L	40		121	70-130	5.80	30	
Bromochloromethane	49.0	0.50	ug/L	40		122	78-121	12.3	30	QL-03
Bromodichloromethane	47.3	0.50	ug/L	40		118	74-135	5.07	30	
Bromoform	49.4	0.50	ug/L	40		124	68-132	5.15	30	
Bromomethane	45.8	0.50	ug/L	40		115	58-142	16.0	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1921 - EPA 5030B</i>										
LCS Dup (B9K1921-BSD1) Continued										
Prepared & Analyzed: 11/19/19										
2-Butanone (MEK)	37.2	10	ug/L	40		93.0	62-138	0.376	30	
tert-Butyl Alcohol (TBA)	210	10	ug/L	200		105	65-148	0.909	30	
sec-Butylbenzene	47.2	0.50	ug/L	40		118	84-142	5.04	30	
tert-Butylbenzene	47.2	0.50	ug/L	40		118	70-130	6.78	30	
n-Butylbenzene	46.3	0.50	ug/L	40		116	70-130	5.18	30	
Carbon Disulfide	30.7	0.50	ug/L	40		76.8	17-177	5.14	30	
Carbon Tetrachloride	37.3	0.50	ug/L	40		93.2	66-155	2.67	30	
Chlorobenzene	47.3	0.50	ug/L	40		118	70-130	5.60	30	
Chloroethane	38.8	0.50	ug/L	40		97.0	45-166	28.7	30	
Chloroform	40.1	0.50	ug/L	40		100	71-131	7.35	30	
Chloromethane	14.4	0.50	ug/L	40		36.1	48-152	14.3	30	QL-07
2-Chlorotoluene	46.2	0.50	ug/L	40		116	70-130	7.35	30	
4-Chlorotoluene	46.7	0.50	ug/L	40		117	70-130	7.18	30	
1,2-Dibromo-3-chloropropane	54.6	1.0	ug/L	40		137	53-145	2.93	30	
Dibromochloromethane	52.8	0.50	ug/L	40		132	72-133	7.26	30	
1,2-Dibromoethane (EDB)	52.6	0.50	ug/L	40		132	79-120	5.75	30	QL-04
Dibromomethane	43.9	0.50	ug/L	40		110	68-124	4.47	30	
1,3-Dichlorobenzene	48.3	0.50	ug/L	40		121	70-130	4.19	30	
1,2-Dichlorobenzene	50.3	0.50	ug/L	40		126	70-130	4.39	30	
1,4-Dichlorobenzene	48.1	0.50	ug/L	40		120	70-130	5.33	30	
Dichlorodifluoromethane (R12)	15.2	0.50	ug/L	40		38.0	16-148	66.1	30	QR-02
1,1-Dichloroethane	37.2	0.50	ug/L	40		93.0	67-120	9.70	30	
1,2-Dichloroethane (EDC)	41.5	0.50	ug/L	40		104	57-156	6.78	30	
1,1-Dichloroethylene	32.3	0.50	ug/L	40		80.6	50-149	2.03	30	
trans-1,2-Dichloroethylene	32.8	0.50	ug/L	40		82.0	66-126	1.35	30	
cis-1,2-Dichloroethylene	36.2	0.50	ug/L	40		90.6	70-124	5.33	30	
1,2-Dichloropropane	44.2	0.50	ug/L	40		110	53-139	4.06	30	
2,2-Dichloropropane	23.1	0.50	ug/L	40		57.8	44-162	1.03	30	
1,3-Dichloropropane	51.6	0.50	ug/L	40		129	79-113	9.03	30	QL-04
cis-1,3-Dichloropropylene	44.5	0.50	ug/L	40		111	67-127	1.22	30	
trans-1,3-Dichloropropylene	46.7	0.50	ug/L	40		117	76-121	6.95	30	
1,1-Dichloropropylene	38.1	0.50	ug/L	40		95.2	84-124	6.06	30	

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1921 - EPA 5030B</i>										
LCS Dup (B9K1921-BSD1) Continued					Prepared & Analyzed: 11/19/19					
Diisopropyl ether (DIPE)	38.7	2.0	ug/L	40		96.8	51-136	11.9	30	
Ethylbenzene	46.9	0.50	ug/L	40		117	86-124	7.48	30	
Ethyl-tert-Butyl Ether (ETBE)	40.9	2.0	ug/L	40		102	62-136	11.9	30	
Hexachlorobutadiene	45.9	1.0	ug/L	40		115	76-140	5.93	30	
2-Hexanone (MBK)	44.9	10	ug/L	40		112	52-123	2.99	30	
Isopropylbenzene	47.0	0.50	ug/L	40		118	70-130	7.87	30	
4-Isopropyltoluene	46.8	1.0	ug/L	40		117	70-130	4.99	30	
Methyl-tert-Butyl Ether (MTBE)	76.1	1.2	ug/L	80		95.2	58-144	8.55	30	
Methylene Chloride	35.4	5.0	ug/L	40		88.4	50-135	8.37	30	
4-Methyl-2-pentanone (MIBK)	43.4	10	ug/L	40		108	49-139	8.31	30	
Naphthalene	49.9	2.0	ug/L	40		125	74-128	2.06	30	
n-Propylbenzene	46.5	0.50	ug/L	40		116	70-130	6.21	30	
Styrene	44.9	0.50	ug/L	40		112	84-123	7.11	30	
1,1,1,2-Tetrachloroethane	48.1	0.50	ug/L	40		120	70-130	9.45	30	
1,1,2,2-Tetrachloroethane	50.9	0.50	ug/L	40		127	58-126	0.275	30	QL-04
Tetrachloroethylene (PCE)	46.8	0.50	ug/L	40		117	70-130	5.04	30	
Toluene	44.5	0.50	ug/L	40		111	83-118	8.38	30	
1,2,3-Trichlorobenzene	52.1	0.50	ug/L	40		130	77-134	0.809	30	
1,2,4-Trichlorobenzene	51.9	0.50	ug/L	40		130	84-128	3.89	30	QL-03
1,1,1-Trichloroethane	39.3	0.50	ug/L	40		98.2	66-158	7.45	30	
1,1,2-Trichloroethane	52.8	0.50	ug/L	40		132	75-115	9.19	30	QL-04
Trichloroethylene (TCE)	42.0	0.50	ug/L	40		105	82-128	2.16	30	
Trichlorofluoromethane (R11)	39.6	0.50	ug/L	40		99.0	65-137	26.6	30	
1,2,3-Trichloropropane	49.6	0.50	ug/L	40		124	68-123	5.93	30	QL-03
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	28.7	0.50	ug/L	40		71.7	62-130	10.7	30	
1,3,5-Trimethylbenzene	47.7	0.50	ug/L	40		119	70-130	8.62	30	
1,2,4-Trimethylbenzene	48.7	0.50	ug/L	40		122	70-130	9.41	30	
Vinyl chloride	20.5	0.50	ug/L	40		51.3	51-151	2.97	30	
o-Xylene	47.4	0.50	ug/L	40		119	70-130	6.94	30	
m,p-Xylenes	93.1	1.0	ug/L	80		116	70-130	8.14	30	

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K1921 - EPA 5030B</i>										
LCS Dup (B9K1921-BSD1) Continued										
Prepared & Analyzed: 11/19/19										
<i>Surrogate: 4-Bromofluorobenzene</i>	94.4		ug/L	100		94.4	80-129			
<i>Surrogate: Dibromofluoromethane</i>	89.2		ug/L	100		89.2	68-137			
<i>Surrogate: Toluene-d8</i>	93.2		ug/L	100		93.2	83-134			
<i>Batch B9K2039 - EPA 5030B</i>										
Blank (B9K2039-BLK1)										
Prepared & Analyzed: 11/20/19										
Acetone	<10	10	ug/L							
tert-Amyl-Methyl Ether (TAME)	<2.0	2.0	ug/L							
Benzene	<0.50	0.50	ug/L							
Bromobenzene	<0.50	0.50	ug/L							
Bromochloromethane	<0.50	0.50	ug/L							
Bromodichloromethane	<0.50	0.50	ug/L							
Bromoform	<0.50	0.50	ug/L							
Bromomethane	<0.50	0.50	ug/L							
2-Butanone (MEK)	<10	10	ug/L							
tert-Butyl Alcohol (TBA)	<10	10	ug/L							
sec-Butylbenzene	<0.50	0.50	ug/L							
tert-Butylbenzene	<0.50	0.50	ug/L							
n-Butylbenzene	<0.50	0.50	ug/L							
Carbon Disulfide	<0.50	0.50	ug/L							
Carbon Tetrachloride	<0.50	0.50	ug/L							
Chlorobenzene	<0.50	0.50	ug/L							
Chloroethane	<0.50	0.50	ug/L							
Chloroform	<0.50	0.50	ug/L							
Chloromethane	<0.50	0.50	ug/L							
2-Chlorotoluene	<0.50	0.50	ug/L							
4-Chlorotoluene	<0.50	0.50	ug/L							
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L							
Dibromochloromethane	<0.50	0.50	ug/L							
1,2-Dibromoethane (EDB)	<0.50	0.50	ug/L							
Dibromomethane	<0.50	0.50	ug/L							
1,3-Dichlorobenzene	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K2039 - EPA 5030B</i>										
Blank (B9K2039-BLK1) Continued										
Prepared & Analyzed: 11/20/19										
1,2-Dichlorobenzene	<0.50	0.50	ug/L							
1,4-Dichlorobenzene	<0.50	0.50	ug/L							
Dichlorodifluoromethane (R12)	<0.50	0.50	ug/L							
1,1-Dichloroethane	<0.50	0.50	ug/L							
1,2-Dichloroethane (EDC)	<0.50	0.50	ug/L							
1,1-Dichloroethylene	<0.50	0.50	ug/L							
trans-1,2-Dichloroethylene	<0.50	0.50	ug/L							
cis-1,2-Dichloroethylene	<0.50	0.50	ug/L							
1,2-Dichloropropane	<0.50	0.50	ug/L							
2,2-Dichloropropane	<0.50	0.50	ug/L							
1,3-Dichloropropane	<0.50	0.50	ug/L							
cis-1,3-Dichloropropylene	<0.50	0.50	ug/L							
trans-1,3-Dichloropropylene	<0.50	0.50	ug/L							
1,1-Dichloropropylene	<0.50	0.50	ug/L							
Diisopropyl ether (DIPE)	<2.0	2.0	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Ethyl-tert-Butyl Ether (ETBE)	<2.0	2.0	ug/L							
Hexachlorobutadiene	<1.0	1.0	ug/L							
2-Hexanone (MBK)	<10	10	ug/L							
Isopropylbenzene	<0.50	0.50	ug/L							
4-Isopropyltoluene	<1.0	1.0	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<1.2	1.2	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
4-Methyl-2-pentanone (MIBK)	<10	10	ug/L							
Naphthalene	<2.0	2.0	ug/L							
n-Propylbenzene	<0.50	0.50	ug/L							
Styrene	<0.50	0.50	ug/L							
1,1,1,2-Tetrachloroethane	<0.50	0.50	ug/L							
1,1,2,2-Tetrachloroethane	<0.50	0.50	ug/L							
Tetrachloroethylene (PCE)	<0.50	0.50	ug/L							
Toluene	<0.50	0.50	ug/L							
1,2,3-Trichlorobenzene	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K2039 - EPA 5030B</i>										
Blank (B9K2039-BLK1) Continued										
Prepared & Analyzed: 11/20/19										
1,2,4-Trichlorobenzene	<0.50	0.50	ug/L							
1,1,1-Trichloroethane	<0.50	0.50	ug/L							
1,1,2-Trichloroethane	<0.50	0.50	ug/L							
Trichloroethylene (TCE)	<0.50	0.50	ug/L							
Trichlorofluoromethane (R11)	<0.50	0.50	ug/L							
1,2,3-Trichloropropane	<0.50	0.50	ug/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	0.50	ug/L							
1,3,5-Trimethylbenzene	<0.50	0.50	ug/L							
1,2,4-Trimethylbenzene	<0.50	0.50	ug/L							
Vinyl chloride	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>50.6</i>		<i>ug/L</i>	<i>50</i>		<i>101</i>	<i>80-129</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>41.5</i>		<i>ug/L</i>	<i>50</i>		<i>83.1</i>	<i>68-137</i>			
<i>Surrogate: Toluene-d8</i>	<i>46.8</i>		<i>ug/L</i>	<i>50</i>		<i>93.5</i>	<i>83-134</i>			
LCS (B9K2039-BS1)										
Prepared & Analyzed: 11/20/19										
Acetone	16.5	10	ug/L	20		82.6	27-123			
tert-Amyl-Methyl Ether (TAME)	19.1	2.0	ug/L	20		95.6	58-133			
Benzene	18.8	0.50	ug/L	20		93.8	60-134			
Bromobenzene	23.0	0.50	ug/L	20		115	70-130			
Bromochloromethane	20.8	0.50	ug/L	20		104	78-121			
Bromodichloromethane	21.8	0.50	ug/L	20		109	74-135			
Bromoform	22.5	0.50	ug/L	20		113	68-132			
Bromomethane	20.3	0.50	ug/L	20		102	58-142			
2-Butanone (MEK)	17.4	10	ug/L	20		87.1	62-138			
tert-Butyl Alcohol (TBA)	90.9	10	ug/L	100		90.9	65-148			
sec-Butylbenzene	23.3	0.50	ug/L	20		116	84-142			
tert-Butylbenzene	22.9	0.50	ug/L	20		114	70-130			
n-Butylbenzene	22.7	0.50	ug/L	20		114	70-130			
Carbon Disulfide	15.1	0.50	ug/L	20		75.6	17-177			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K2039 - EPA 5030B</i>										
LCS (B9K2039-BS1) Continued										
Prepared & Analyzed: 11/20/19										
Carbon Tetrachloride	18.8	0.50	ug/L	20		94.1	66-155			
Chlorobenzene	22.6	0.50	ug/L	20		113	70-130			
Chloroethane	15.9	0.50	ug/L	20		79.6	45-166			
Chloroform	18.3	0.50	ug/L	20		91.4	71-131			
Chloromethane	4.80	0.50	ug/L	20		24.0	48-152			QL-07
2-Chlorotoluene	22.0	0.50	ug/L	20		110	70-130			
4-Chlorotoluene	22.2	0.50	ug/L	20		111	70-130			
1,2-Dibromo-3-chloropropane	24.1	1.0	ug/L	20		120	53-145			
Dibromochloromethane	23.8	0.50	ug/L	20		119	72-133			
1,2-Dibromoethane (EDB)	23.4	0.50	ug/L	20		117	79-120			
Dibromomethane	19.0	0.50	ug/L	20		95.0	68-124			
1,3-Dichlorobenzene	23.0	0.50	ug/L	20		115	70-130			
1,2-Dichlorobenzene	23.4	0.50	ug/L	20		117	70-130			
1,4-Dichlorobenzene	22.7	0.50	ug/L	20		113	70-130			
Dichlorodifluoromethane (R12)	1.67	0.50	ug/L	20		8.35	16-148			QL-02
1,1-Dichloroethane	17.4	0.50	ug/L	20		87.0	67-120			
1,2-Dichloroethane (EDC)	18.9	0.50	ug/L	20		94.7	57-156			
1,1-Dichloroethylene	15.5	0.50	ug/L	20		77.4	50-149			
trans-1,2-Dichloroethylene	16.0	0.50	ug/L	20		80.1	66-126			
cis-1,2-Dichloroethylene	16.4	0.50	ug/L	20		81.8	70-124			
1,2-Dichloropropane	20.2	0.50	ug/L	20		101	53-139			
2,2-Dichloropropane	10.4	0.50	ug/L	20		51.8	44-162			
1,3-Dichloropropane	23.1	0.50	ug/L	20		116	79-113			
cis-1,3-Dichloropropylene	20.8	0.50	ug/L	20		104	67-127			
trans-1,3-Dichloropropylene	21.9	0.50	ug/L	20		110	76-121			
1,1-Dichloropropylene	18.8	0.50	ug/L	20		94.2	84-124			
Diisopropyl ether (DIPE)	18.1	2.0	ug/L	20		90.5	51-136			
Ethylbenzene	22.3	0.50	ug/L	20		112	86-124			
Ethyl-tert-Butyl Ether (ETBE)	18.0	2.0	ug/L	20		90.2	62-136			
Hexachlorobutadiene	22.1	1.0	ug/L	20		110	76-140			
2-Hexanone (MBK)	20.6	10	ug/L	20		103	52-123			
Isopropylbenzene	22.8	0.50	ug/L	20		114	70-130			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K2039 - EPA 5030B</i>										
LCS (B9K2039-BS1) Continued						Prepared & Analyzed: 11/20/19				
4-Isopropyltoluene	23.0	1.0	ug/L	20		115	70-130			
Methyl-tert-Butyl Ether (MTBE)	33.4	1.2	ug/L	40		83.6	58-144			
Methylene Chloride	16.0	5.0	ug/L	20		79.8	50-135			
4-Methyl-2-pentanone (MIBK)	20.0	10	ug/L	20		99.8	49-139			
Naphthalene	21.2	2.0	ug/L	20		106	74-128			
n-Propylbenzene	22.5	0.50	ug/L	20		112	70-130			
Styrene	21.3	0.50	ug/L	20		107	84-123			
1,1,1,2-Tetrachloroethane	22.1	0.50	ug/L	20		111	70-130			
1,1,2,2-Tetrachloroethane	22.7	0.50	ug/L	20		114	58-126			
Tetrachloroethylene (PCE)	23.1	0.50	ug/L	20		115	70-130			
Toluene	21.3	0.50	ug/L	20		106	83-118			
1,2,3-Trichlorobenzene	23.6	0.50	ug/L	20		118	77-134			
1,2,4-Trichlorobenzene	23.9	0.50	ug/L	20		119	84-128			
1,1,1-Trichloroethane	19.0	0.50	ug/L	20		94.8	66-158			
1,1,2-Trichloroethane	23.1	0.50	ug/L	20		116	75-115			QL-02
Trichloroethylene (TCE)	19.9	0.50	ug/L	20		99.6	82-128			
Trichlorofluoromethane (R11)	17.8	0.50	ug/L	20		88.9	65-137			
1,2,3-Trichloropropane	22.2	0.50	ug/L	20		111	68-123			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	18.8	0.50	ug/L	20		94.2	62-130			
1,3,5-Trimethylbenzene	22.9	0.50	ug/L	20		114	70-130			
1,2,4-Trimethylbenzene	23.2	0.50	ug/L	20		116	70-130			
Vinyl chloride	12.0	0.50	ug/L	20		59.8	51-151			
o-Xylene	22.6	0.50	ug/L	20		113	70-130			
m,p-Xylenes	36.0	1.0	ug/L	40		90.0	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>47.0</i>		<i>ug/L</i>	<i>50</i>		<i>94.0</i>	<i>80-129</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>43.1</i>		<i>ug/L</i>	<i>50</i>		<i>86.2</i>	<i>68-137</i>			
<i>Surrogate: Toluene-d8</i>	<i>46.9</i>		<i>ug/L</i>	<i>50</i>		<i>93.7</i>	<i>83-134</i>			
LCS Dup (B9K2039-BSD1)						Prepared: 11/20/19 Analyzed: 11/21/19				
Acetone	13.9	10	ug/L	20		69.6	27-123	17.1	30	
tert-Amyl-Methyl Ether (TAME)	17.4	2.0	ug/L	20		87.0	58-133	9.47	30	

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K2039 - EPA 5030B</i>										
LCS Dup (B9K2039-BSD1) Continued										
Prepared: 11/20/19 Analyzed: 11/21/19										
Benzene	17.8	0.50	ug/L	20		89.2	60-134	5.02	30	
Bromobenzene	23.6	0.50	ug/L	20		118	70-130	2.36	30	
Bromochloromethane	19.3	0.50	ug/L	20		96.6	78-121	7.19	30	
Bromodichloromethane	21.3	0.50	ug/L	20		107	74-135	2.09	30	
Bromoform	21.1	0.50	ug/L	20		106	68-132	6.42	30	
Bromomethane	20.5	0.50	ug/L	20		102	58-142	0.735	30	
2-Butanone (MEK)	14.4	10	ug/L	20		72.2	62-138	18.6	30	
tert-Butyl Alcohol (TBA)	92.4	10	ug/L	100		92.4	65-148	1.62	30	
sec-Butylbenzene	23.7	0.50	ug/L	20		118	84-142	1.87	30	
tert-Butylbenzene	23.4	0.50	ug/L	20		117	70-130	2.07	30	
n-Butylbenzene	22.7	0.50	ug/L	20		114	70-130	0.132	30	
Carbon Disulfide	13.9	0.50	ug/L	20		69.4	17-177	8.62	30	
Carbon Tetrachloride	18.9	0.50	ug/L	20		94.3	66-155	0.212	30	
Chlorobenzene	22.7	0.50	ug/L	20		113	70-130	0.531	30	
Chloroethane	21.3	0.50	ug/L	20		106	45-166	28.9	30	
Chloroform	17.6	0.50	ug/L	20		87.8	71-131	4.02	30	
Chloromethane	8.99	0.50	ug/L	20		45.0	48-152	60.8	30	QL-07
2-Chlorotoluene	22.6	0.50	ug/L	20		113	70-130	2.96	30	
4-Chlorotoluene	22.9	0.50	ug/L	20		114	70-130	2.88	30	
1,2-Dibromo-3-chloropropane	21.0	1.0	ug/L	20		105	53-145	13.8	30	
Dibromochloromethane	22.8	0.50	ug/L	20		114	72-133	4.03	30	
1,2-Dibromoethane (EDB)	21.9	0.50	ug/L	20		110	79-120	6.58	30	
Dibromomethane	17.6	0.50	ug/L	20		87.8	68-124	7.99	30	
1,3-Dichlorobenzene	23.3	0.50	ug/L	20		117	70-130	1.56	30	
1,2-Dichlorobenzene	23.6	0.50	ug/L	20		118	70-130	0.978	30	
1,4-Dichlorobenzene	23.2	0.50	ug/L	20		116	70-130	2.01	30	
Dichlorodifluoromethane (R12)	19.9	0.50	ug/L	20		99.4	16-148	169	30	
1,1-Dichloroethane	16.3	0.50	ug/L	20		81.3	67-120	6.72	30	
1,2-Dichloroethane (EDC)	17.5	0.50	ug/L	20		87.4	57-156	7.96	30	
1,1-Dichloroethylene	15.9	0.50	ug/L	20		79.5	50-149	2.74	30	
trans-1,2-Dichloroethylene	14.8	0.50	ug/L	20		73.8	66-126	8.25	30	
cis-1,2-Dichloroethylene	15.6	0.50	ug/L	20		78.2	70-124	4.50	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
<i>Batch B9K2039 - EPA 5030B</i>										
LCS Dup (B9K2039-BSD1) Continued										
					Prepared: 11/20/19 Analyzed: 11/21/19					
1,2-Dichloropropane	19.5	0.50	ug/L	20		97.5	53-139	3.43	30	
2,2-Dichloropropane	9.17	0.50	ug/L	20		45.8	44-162	12.2	30	
1,3-Dichloropropane	22.1	0.50	ug/L	20		111	79-113	4.42	30	
cis-1,3-Dichloropropylene	20.3	0.50	ug/L	20		101	67-127	2.82	30	
trans-1,3-Dichloropropylene	21.5	0.50	ug/L	20		108	76-121	1.84	30	
1,1-Dichloropropylene	17.7	0.50	ug/L	20		88.6	84-124	6.02	30	
Diisopropyl ether (DIPE)	16.7	2.0	ug/L	20		83.3	51-136	8.29	30	
Ethylbenzene	22.6	0.50	ug/L	20		113	86-124	1.34	30	
Ethyl-tert-Butyl Ether (ETBE)	16.5	2.0	ug/L	20		82.4	62-136	8.98	30	
Hexachlorobutadiene	21.8	1.0	ug/L	20		109	76-140	1.55	30	
2-Hexanone (MBK)	17.4	10	ug/L	20		86.8	52-123	17.2	30	
Isopropylbenzene	23.5	0.50	ug/L	20		118	70-130	3.11	30	
4-Isopropyltoluene	23.3	1.0	ug/L	20		116	70-130	1.25	30	
Methyl-tert-Butyl Ether (MTBE)	28.8	1.2	ug/L	40		71.9	58-144	15.0	30	
Methylene Chloride	15.1	5.0	ug/L	20		75.6	50-135	5.47	30	
4-Methyl-2-pentanone (MIBK)	16.8	10	ug/L	20		83.8	49-139	17.3	30	
Naphthalene	20.8	2.0	ug/L	20		104	74-128	2.05	30	
n-Propylbenzene	23.0	0.50	ug/L	20		115	70-130	2.11	30	
Styrene	21.5	0.50	ug/L	20		108	84-123	0.980	30	
1,1,1,2-Tetrachloroethane	22.0	0.50	ug/L	20		110	70-130	0.589	30	
1,1,2,2-Tetrachloroethane	19.8	0.50	ug/L	20		98.8	58-126	13.8	30	
Tetrachloroethylene (PCE)	22.9	0.50	ug/L	20		115	70-130	0.609	30	
Toluene	21.0	0.50	ug/L	20		105	83-118	0.993	30	
1,2,3-Trichlorobenzene	23.1	0.50	ug/L	20		115	77-134	2.40	30	
1,2,4-Trichlorobenzene	23.5	0.50	ug/L	20		118	84-128	1.56	30	
1,1,1-Trichloroethane	18.2	0.50	ug/L	20		91.2	66-158	3.76	30	
1,1,2-Trichloroethane	21.8	0.50	ug/L	20		109	75-115	5.74	30	
Trichloroethylene (TCE)	20.0	0.50	ug/L	20		100	82-128	0.351	30	
Trichlorofluoromethane (R11)	21.2	0.50	ug/L	20		106	65-137	17.5	30	
1,2,3-Trichloropropane	20.5	0.50	ug/L	20		102	68-123	8.16	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	19.7	0.50	ug/L	20		98.4	62-130	4.31	30	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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VOCs & OXYGENATES by GC/MS - Quality Control

Batch B9K2039 - EPA 5030B

LCS Dup (B9K2039-BSD1) Continued

Prepared: 11/20/19 Analyzed: 11/21/19

1,3,5-Trimethylbenzene	23.3	0.50	ug/L	20		117	70-130	1.86	30	
1,2,4-Trimethylbenzene	23.6	0.50	ug/L	20		118	70-130	2.01	30	
Vinyl chloride	21.4	0.50	ug/L	20		107	51-151	56.8	30	QR-02
o-Xylene	23.2	0.50	ug/L	20		116	70-130	2.31	30	
m,p-Xylenes	40.0	1.0	ug/L	40		100	70-130	10.6	30	
Surrogate: 4-Bromofluorobenzene	47.3		ug/L	50		94.6	80-129			
Surrogate: Dibromofluoromethane	41.6		ug/L	50		83.2	68-137			
Surrogate: Toluene-d8	46.0		ug/L	50		92.0	83-134			

Diesel Range Organics by GC/FID - Quality Control

Batch B9K1110 - EPA 3510C

Blank (B9K1110-BLK1)

Prepared: 11/11/19 Analyzed: 11/14/19

Diesel Range Organics as Diesel	<0.10	0.10	mg/L							
Surrogate: o-Terphenyl	0.0602		mg/L	0.040		150	50-150			

LCS (B9K1110-BS1)

Prepared: 11/11/19 Analyzed: 11/14/19

Diesel Range Organics as Diesel	0.613	0.10	mg/L	0.80		76.6	36-132			
Surrogate: o-Terphenyl	0.0477		mg/L	0.040		119	50-150			

LCS Dup (B9K1110-BSD1)

Prepared: 11/11/19 Analyzed: 11/14/19

Diesel Range Organics as Diesel	0.746	0.10	mg/L	0.80		93.3	36-132	19.6	30	
Surrogate: o-Terphenyl	0.0570		mg/L	0.040		143	50-150			

Gasoline Range Organics by GC/FID - Quality Control

Batch B9K1815 - *** DEFAULT PREP ***

Blank (B9K1815-BLK1)

Prepared & Analyzed: 11/18/19

Gasoline Range Organics (GRO)	<100	100	ug/L							
Surrogate: a,a,a-Trifluorotoluene	49.5		ug/L	50		99.0	80-120			

LCS (B9K1815-BS1)

Prepared & Analyzed: 11/18/19

Gasoline Range Organics (GRO)	482	100	ug/L	500		96.5	75-125		30	
Surrogate: a,a,a-Trifluorotoluene	54.3		ug/L	50		109	80-120			

LCS Dup (B9K1815-BSD1)

Prepared & Analyzed: 11/18/19

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Gasoline Range Organics by GC/FID - Quality Control										
<i>Batch B9K1815 - *** DEFAULT PREP ***</i>										
LCS Dup (B9K1815-BSD1) Continued Prepared & Analyzed: 11/18/19										
Gasoline Range Organics (GRO)	493	100	ug/L	500		98.6	75-125	2.22	30	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	56.1		ug/L	50		112	80-120			
Matrix Spike (B9K1815-MS1) Source: 9K11012-06 Prepared & Analyzed: 11/18/19										
Gasoline Range Organics (GRO)	602	100	ug/L	500	232	74.0	70-130		30	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	52.3		ug/L	50		105	80-120			
Matrix Spike Dup (B9K1815-MSD1) Source: 9K11012-06 Prepared & Analyzed: 11/18/19										
Gasoline Range Organics (GRO)	665	100	ug/L	500	232	86.6	70-130	9.95	30	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	49.7		ug/L	50		99.3	80-120			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5333205
Date Received: 11/11/19
Date Reported: 11/26/19

Special Notes

- [1] = **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.
- [2] = **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.
- [3] = **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.
- [4] = **QL-07** : The recovery for this analyte in the LCS and LCSD is marginally below the lower control limit, therefore the reported concentration for this analyte may be biased low.
- [5] = **QM-07** : The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS or LCSD recovery.
- [6] = **QR-02** : The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

A handwritten signature in black ink, appearing to read 'Viorel Vasile'.

Viorel Vasile
Operations Manager



AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

9765 ETON AVE., CHATSWORTH, CA 91311
 Tel: 818-998-5547 FAX: 818-998-7258

A.A. COC No.: 19216
 70056498
 Page 1 of 1

Client: APEX-SGI Project Name / No.: DFSP Norwalk Sampler's Name: DAVID COBBIN
 Project Manager: DAVID SWEETSON Site Address: 15306 Norwalk Blvd. Sampler's Signature: [Signature]
 Phone: 562-597-1055 City: Norwalk P.O. No.: ---
 Fax: 562-597-1070 State & Zip: Ca 90650 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)

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																		
QCTB-1	9K11012 -01	11-7-19	6 ⁰⁰	GW	2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
QCEB-1	-02	11-7-19	7 ⁵⁰	GW	2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
TF-24	-03	11-6-19	1 ¹⁵	GW	6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
GMW-21	-04	11-6-19	1 ¹⁵	GW	6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
GMW-19	-05	11-6-19	2 ³⁵	GW	6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
GMW-7	-06	11-6-19	3 ⁰⁰	GW	6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
GMW-45	-07	11-7-19	8 ²⁸	GW	6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
MW-25	-08	11-7-19	9 ²⁰	GW	6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
PW-1	-09	11-7-19	10 ¹⁵	GW	6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
TF-1B	-10	11-7-19	11 ⁰⁵	GW	6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
DF-7	-11	11-7-19	11 ⁰⁵	GW	6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
GMW-58	-12	11-7-19	11 ⁵⁰	GW	6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

For Laboratory Use

REVIEWED
 Date: 11/12/19 Time: 09:00
 TAT: 10 Days Sign: [Signature]

Relinquished by <u>[Signature]</u>	Date <u>11-11-19</u>	Time <u>14:30</u>	Received by <u>[Signature]</u>
Relinquished by <u>[Signature]</u>	Date <u>11-11-19</u>	Time <u>17:24</u>	Received by <u>[Signature]</u>
Relinquished by	Date	Time	Received by

A.A. Project No.: AS333205/9K11012

Note: By relinquishing samples to American Analytics, client agrees to pay for the services requested on this chain of custody form and any additional client-requested analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 45 days following the submittal of the sample(s) to American Analytics.



Alpha Analytical, Inc.
255 Glendale Ave, #21
Sparks, Nevada 89431
TEL: (775) 355-1044 FAX: (775) 355-0406
Website: www.alpha-analytical.com

November 12, 2019

Eric Davis

1000 Wilshire Boulevard
Los Angeles, CA 90017
TEL:
FAX

RE: DFSP Norwalk
The result of this report apply to the sample(s) as received.

Dear Eric Davis:

Order No.: CHH1911009

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 black ink that reads "Roger Scholl". The signature is written in a cursive, flowing style.

Roger Scholl
Laboratory Director
255 Glendale Ave, #21
Sparks, Nevada 89431



Alpha Analytical, Inc.

(775) 355-1044 / (775) 355-0406 FAX / 1-800-283-1183
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Analytical Report

WO#: CHH1911009

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/29/2019 7:00:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911009-01**Matrix:** AQUEOUS**Client Sample ID** TB-1

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	11/1/2019	TPH-E by EPA 8015C
Surr: Nonane	88	63-125		%Rec	11/1/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/4/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	94	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	103	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	97	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/4/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/4/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911009

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/29/2019 7:00:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911009-01**Matrix:** AQUEOUS**Client Sample ID** TB-1

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	94	70-130		%Rec	11/4/2019	VOCs by EPA 8260C
Surr: Toluene-d8	103	70-130		%Rec	11/4/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	97	70-130		%Rec	11/4/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911009

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/29/2019 10:51:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911009-02**Matrix:** AQUEOUS**Client Sample ID** EXP-2

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	0.056	0.050		mg/L	11/1/2019	TPH-E by EPA 8015C
Surr: Nonane	104	63-125		%Rec	11/1/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/4/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	98	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	103	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	96	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/4/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/4/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911009

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/29/2019 10:51:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911009-02**Matrix:** AQUEOUS**Client Sample ID** EXP-2

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	98	70-130		%Rec	11/4/2019	VOCs by EPA 8260C
Surr: Toluene-d8	103	70-130		%Rec	11/4/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	96	70-130		%Rec	11/4/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911009

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/29/2019 11:34:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911009-03**Matrix:** AQUEOUS**Client Sample ID** MW-20(MID)

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	0.052	0.050		mg/L	11/1/2019	TPH-E by EPA 8015C
Surr: Nonane	89	63-125		%Rec	11/1/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/4/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	99	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	103	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	94	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	16	10		µg/L	11/4/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/4/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	8.9	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/4/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	4.9	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichloroethane	7.6	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911009

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/29/2019 11:34:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911009-03**Matrix:** AQUEOUS**Client Sample ID** MW-20(MID)

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	99	70-130		%Rec	11/4/2019	VOCs by EPA 8260C
Surr: Toluene-d8	103	70-130		%Rec	11/4/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	94	70-130		%Rec	11/4/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911009

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/29/2019 12:09:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911009-04**Matrix:** AQUEOUS**Client Sample ID** MW-6

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	0.067	0.050		mg/L	11/1/2019	TPH-E by EPA 8015C
Surr: Nonane	97	63-125		%Rec	11/1/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/4/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	101	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	95	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/4/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	0.76	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/4/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichloroethane	2.7	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911009

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/29/2019 12:09:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911009-04**Matrix:** AQUEOUS**Client Sample ID** MW-6

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	11/4/2019	VOCs by EPA 8260C
Surr: Toluene-d8	101	70-130		%Rec	11/4/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	95	70-130		%Rec	11/4/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911009

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/29/2019 12:59:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911009-05**Matrix:** AQUEOUS**Client Sample ID** GMW-8

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	0.12	0.050	L	mg/L	11/2/2019	TPH-E by EPA 8015C
Surr: Nonane	100	63-125		%Rec	11/2/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/4/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	105	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	98	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/4/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/4/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911009

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/29/2019 12:59:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911009-05**Matrix:** AQUEOUS**Client Sample ID** GMW-8

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	11/4/2019	VOCs by EPA 8260C
Surr: Toluene-d8	105	70-130		%Rec	11/4/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	98	70-130		%Rec	11/4/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911009

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/29/2019 1:40:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911009-06**Matrix:** AQUEOUS**Client Sample ID** MW-12

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	0.12	0.050		mg/L	11/2/2019	TPH-E by EPA 8015C
Surr: Nonane	93	63-125		%Rec	11/2/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/4/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	106	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	99	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/4/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/4/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911009

Report Date: 11/12/2019

CLIENT:

Collection Date: 10/29/2019 1:40:00 PM

Project: DFSP Norwalk

Lab ID: 1911009-06

Matrix: AQUEOUS

Client Sample ID MW-12

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	11/4/2019	VOCs by EPA 8260C
Surr: Toluene-d8	106	70-130		%Rec	11/4/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	99	70-130		%Rec	11/4/2019	VOCs by EPA 8260C



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Analytical Report

WO#: **CHH1911009**

Report Date: **11/12/2019**

CLIENT:

Collection Date: 10/29/2019 2:26:00 PM

Project: DFSP Norwalk

Lab ID: 1911009-07

Matrix: AQUEOUS

Client Sample ID MW-19(MID)

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	0.058	0.050		mg/L	11/2/2019	TPH-E by EPA 8015C
Surr: Nonane	97	63-125		%Rec	11/2/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/4/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	106	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	100	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	96	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	11	10		µg/L	11/4/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/4/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/4/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	1.6	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichloroethane	1.1	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911009

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/29/2019 2:26:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911009-07**Matrix:** AQUEOUS**Client Sample ID** MW-19(MID)

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	106	70-130		%Rec	11/4/2019	VOCs by EPA 8260C
Surr: Toluene-d8	100	70-130		%Rec	11/4/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	96	70-130		%Rec	11/4/2019	VOCs by EPA 8260C



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Analytical Report

WO#: **CHH1911009**

Report Date: **11/12/2019**

CLIENT:

Collection Date: 10/29/2019 3:03:00 PM

Project: DFSP Norwalk

Lab ID: 1911009-08

Matrix: AQUEOUS

Client Sample ID MW-7

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	11/2/2019	TPH-E by EPA 8015C
Surr: Nonane	85	63-125		%Rec	11/2/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/4/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	106	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	104	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	98	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/4/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/4/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C



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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911009

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/29/2019 3:03:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911009-08**Matrix:** AQUEOUS**Client Sample ID** MW-7

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	106	70-130		%Rec	11/4/2019	VOCs by EPA 8260C
Surr: Toluene-d8	104	70-130		%Rec	11/4/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	98	70-130		%Rec	11/4/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

(775) 355-1044 / (775) 355-0406 FAX / 1-800-283-1183
255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911009

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/29/2019 3:17:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911009-09**Matrix:** AQUEOUS**Client Sample ID** EB-1

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	11/2/2019	TPH-E by EPA 8015C
Surr: Nonane	105	63-125		%Rec	11/2/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/4/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	106	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	101	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/4/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/4/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911009

Report Date: 11/12/2019

CLIENT:

Collection Date: 10/29/2019 3:17:00 PM

Project: DFSP Norwalk

Lab ID: 1911009-09

Matrix: AQUEOUS

Client Sample ID EB-1

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	106	70-130		%Rec	11/4/2019	VOCs by EPA 8260C
Surr: Toluene-d8	101	70-130		%Rec	11/4/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	11/4/2019	VOCs by EPA 8260C



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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911009

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/29/2019 3:30:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911009-10**Matrix:** AQUEOUS**Client Sample ID** EB-2

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	11/2/2019	TPH-E by EPA 8015C
Surr: Nonane	97	63-125		%Rec	11/2/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/4/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	105	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	103	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/4/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/4/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

(775) 355-1044 / (775) 355-0406 FAX / 1-800-283-1183
255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911009

Report Date: 11/12/2019

CLIENT:

Collection Date: 10/29/2019 3:30:00 PM

Project: DFSP Norwalk

Lab ID: 1911009-10

Matrix: AQUEOUS

Client Sample ID EB-2

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	105	70-130		%Rec	11/4/2019	VOCs by EPA 8260C
Surr: Toluene-d8	103	70-130		%Rec	11/4/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	11/4/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

(775) 355-1044 / (775) 355-0406 FAX / 1-800-283-1183
255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911009

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/29/2019 10:40:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911009-11**Matrix:** AQUEOUS**Client Sample ID** EXP-1

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	11/2/2019	TPH-E by EPA 8015C
Surr: Nonane	97	63-125		%Rec	11/2/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/4/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	100	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	104	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	96	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/4/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/4/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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Analytical Report

WO#: CHH1911009

Report Date: 11/12/2019

CLIENT:

Collection Date: 10/29/2019 10:40:00 AM

Project: DFSP Norwalk

Lab ID: 1911009-11

Matrix: AQUEOUS

Client Sample ID EXP-1

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	100	70-130		%Rec	11/4/2019	VOCs by EPA 8260C
Surr: Toluene-d8	104	70-130		%Rec	11/4/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	96	70-130		%Rec	11/4/2019	VOCs by EPA 8260C



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Analytical Report

WO#: **CHH1911009**

Report Date: **11/12/2019**

CLIENT:

Collection Date: 10/29/2019 1:35:00 PM

Project: DFSP Norwalk

Lab ID: 1911009-12

Matrix: AQUEOUS

Client Sample ID EXP-3

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	11/2/2019	TPH-E by EPA 8015C
Surr: Nonane	104	63-125		%Rec	11/2/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/4/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	102	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	98	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/4/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/4/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911009

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/29/2019 1:35:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911009-12**Matrix:** AQUEOUS**Client Sample ID** EXP-3

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	11/4/2019	VOCs by EPA 8260C
Surr: Toluene-d8	102	70-130		%Rec	11/4/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	98	70-130		%Rec	11/4/2019	VOCs by EPA 8260C



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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: **CHH1911009**

Report Date: **11/12/2019**

CLIENT:

Collection Date: 10/29/2019 11:55:00 AM

Project: DFSP Norwalk

Lab ID: 1911009-13

Matrix: AQUEOUS

Client Sample ID GMW-SF-7

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	11/2/2019	TPH-E by EPA 8015C
Surr: Nonane	101	63-125		%Rec	11/2/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/4/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	103	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/4/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/4/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911009

Report Date: 11/12/2019

CLIENT:

Collection Date: 10/29/2019 11:55:00 AM

Project: DFSP Norwalk

Lab ID: 1911009-13

Matrix: AQUEOUS

Client Sample ID GMW-SF-7

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	11/4/2019	VOCs by EPA 8260C
Surr: Toluene-d8	103	70-130		%Rec	11/4/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	11/4/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

(775) 355-1044 / (775) 355-0406 FAX / 1-800-283-1183
255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911009

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/29/2019 12:35:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911009-14**Matrix:** AQUEOUS**Client Sample ID** GMW-SF-8

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	11/2/2019	TPH-E by EPA 8015C
Surr: Nonane	101	63-125		%Rec	11/2/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/4/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	106	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	103	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	99	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/4/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/4/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C



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Analytical Report

WO#: **CHH1911009**

Report Date: **11/12/2019**

CLIENT:

Collection Date: 10/29/2019 12:35:00 PM

Project: DFSP Norwalk

Lab ID: 1911009-14

Matrix: AQUEOUS

Client Sample ID GMW-SF-8

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	106	70-130		%Rec	11/4/2019	VOCs by EPA 8260C
Surr: Toluene-d8	103	70-130		%Rec	11/4/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	99	70-130		%Rec	11/4/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911009

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/29/2019 2:38:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911009-15**Matrix:** AQUEOUS**Client Sample ID** GMW-37

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	11/2/2019	TPH-E by EPA 8015C
Surr: Nonane	101	63-125		%Rec	11/2/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/4/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	107	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	104	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/4/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/4/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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Analytical Report

WO#: CHH1911009

Report Date: 11/12/2019

CLIENT:

Collection Date: 10/29/2019 2:38:00 PM

Project: DFSP Norwalk

Lab ID: 1911009-15

Matrix: AQUEOUS

Client Sample ID GMW-37

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	107	70-130		%Rec	11/4/2019	VOCs by EPA 8260C
Surr: Toluene-d8	104	70-130		%Rec	11/4/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	11/4/2019	VOCs by EPA 8260C



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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911009

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/29/2019 3:15:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911009-16**Matrix:** AQUEOUS**Client Sample ID** GMW-38

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	11/2/2019	TPH-E by EPA 8015C
Surr: Nonane	99	63-125		%Rec	11/2/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/4/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	108	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	103	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	99	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/4/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/4/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911009

Report Date: 11/12/2019

CLIENT:

Collection Date: 10/29/2019 3:15:00 PM

Project: DFSP Norwalk

Lab ID: 1911009-16

Matrix: AQUEOUS

Client Sample ID GMW-38

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	108	70-130		%Rec	11/4/2019	VOCs by EPA 8260C
Surr: Toluene-d8	103	70-130		%Rec	11/4/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	99	70-130		%Rec	11/4/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: **CHH1911009**

Report Date: **11/12/2019**

CLIENT:

Collection Date: 10/29/2019 11:10:00 AM

Project: DFSP Norwalk

Lab ID: 1911009-17

Matrix: AQUEOUS

Client Sample ID GMW-39

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	11/2/2019	TPH-E by EPA 8015C
Surr: Nonane	93	63-125		%Rec	11/2/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/4/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	115	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	93	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	97	70-130		%Rec	11/4/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/4/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/4/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911009

Report Date: 11/12/2019

CLIENT:

Collection Date: 10/29/2019 11:10:00 AM

Project: DFSP Norwalk

Lab ID: 1911009-17

Matrix: AQUEOUS

Client Sample ID GMW-39

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/4/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/4/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/4/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	115	70-130		%Rec	11/4/2019	VOCs by EPA 8260C
Surr: Toluene-d8	93	70-130		%Rec	11/4/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	97	70-130		%Rec	11/4/2019	VOCs by EPA 8260C



Client:

Project: DFSP Norwalk

TestCode: TPH/E_W

Sample ID: MB-9718	SampType: MBLK	TestCode: TPH/E_W	Units: mg/L
Client ID: PBW	Batch ID: 9718	TestNo: SW8015	SW8015
Prep Date: 11/1/2019	RunNo: 8203	SeqNo: 247160	
Analysis Date: 11/1/2019			

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	0.12		0.15		83.3	63	125				

Sample ID: LCS-9718	SampType: LCS	TestCode: TPH/E_W	Units: mg/L
Client ID: LCSW	Batch ID: 9718	TestNo: SW8015	SW8015
Prep Date: 11/1/2019	RunNo: 8203	SeqNo: 247162	
Analysis Date: 11/1/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-E (DRO)	2.72	0.05	2.5	0	109	89.6	123				
Surr: Nonane	0.123		0.15		82.0	60	129				

Sample ID: 1911009-02AMSD	SampType: MSD	TestCode: TPH/E_W	Units: mg/L
Client ID: EXP-2MSD	Batch ID: 9718	TestNo: SW8015	SW8015
Prep Date: 11/1/2019	RunNo: 8203	SeqNo: 247168	
Analysis Date: 11/1/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-E (DRO)	2.74	0.1	2.5	0.056	107	79	140	2.71	0.84	8	
Surr: Nonane	0.28		0.3		93.3	68.8	128	0.268	0	0	

Sample ID: 1911009-02AMS	SampType: MS	TestCode: TPH/E_W	Units: mg/L
Client ID: EXP-2MS	Batch ID: 9718	TestNo: SW8015	SW8015
Prep Date: 11/1/2019	RunNo: 8203	SeqNo: 247167	
Analysis Date: 11/1/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-E (DRO)	2.71	0.1	2.5	0.056	106	79	140				
Surr: Nonane	0.268		0.3		89.3	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



Alpha Analytical, Inc.
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Website: www.alpha-analytical.com

QC SUMMARY REPORT

WO#: 1911009

12-Nov-19

Client:

Project: DFSP Norwalk

TestCode: TPH/P_W

Sample ID: MB-9727	SampType: MBLK	TestCode: TPH/P_W	Units: mg/L
Client ID: PBW	Batch ID: A9727B	TestNo: SW8015	
Prep Date: 11/4/2019	RunNo: 8204	SeqNo: 247209	
Analysis Date: 11/4/2019			

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	0.0098		0.01		98.5	69.51	130.49				
Surr: Toluene-d8	0.01		0.01		101	69.51	130.49				
Surr: 4-Bromofluorobenzene	0.0095		0.01		94.6	69.51	130.49				

Sample ID: GLCS-9727	SampType: GLCSD	TestCode: TPH/P_W	Units: mg/L
Client ID: BatchQC	Batch ID: A9727B	TestNo: SW8015	
Prep Date: 11/4/2019	RunNo: 8204	SeqNo: 247208	
Analysis Date: 11/4/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-P (GRO)	0.419	0.05	0.4	0	105	73.9	126				
Surr: 1,2-Dichloroethane-d4	0.00962		0.01		96.2	69.51	130.49				
Surr: Toluene-d8	0.0101		0.01		101	69.51	130.49				
Surr: 4-Bromofluorobenzene	0.00967		0.01		96.7	69.51	130.49				

Sample ID: 1911009-09AGSD	SampType: GSD	TestCode: TPH/P_W	Units: mg/L
Client ID: EB-1	Batch ID: A9727B	TestNo: SW8015	
Prep Date: 11/4/2019	RunNo: 8204	SeqNo: 247230	
Analysis Date: 11/4/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-P (GRO)	2.1	0.25	2	0	105	60	125	1.99	5.2	28	
Surr: 1,2-Dichloroethane-d4	0.0475		0.05		95.1	69.51	130.49	0.047	0	0	
Surr: Toluene-d8	0.0506		0.05		101	69.51	130.49	0.0512	0	0	
Surr: 4-Bromofluorobenzene	0.0485		0.05		96.9	69.51	130.49	0.0481	0	0	

Sample ID: 1911009-09AGS	SampType: GS	TestCode: TPH/P_W	Units: mg/L
Client ID: EB-1	Batch ID: A9727B	TestNo: SW8015	
Prep Date: 11/4/2019	RunNo: 8204	SeqNo: 247229	
Analysis Date: 11/4/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-P (GRO)	1.99	0.25	2	0	99.7	60	125				
Surr: 1,2-Dichloroethane-d4	0.047		0.05		93.9	69.51	130.49				
Surr: Toluene-d8	0.0512		0.05		102	69.51	130.49				
Surr: 4-Bromofluorobenzene	0.0481		0.05		96.2	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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 Website: www.alpha-analytical.com

QC SUMMARY REPORT

WO#: 1911009

12-Nov-19

Client:

Project: DFSP Norwalk

TestCode: TPH/P_W

Sample ID: 1911009-09AGS	SampType: GS	TestCode: TPH/P_W	Units: mg/L								
Client ID: EB-1	Batch ID: A9727B	TestNo: SW8015									
Prep Date: 11/4/2019	RunNo: 8204	SeqNo: 247229									
Analysis Date: 11/4/2019											
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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Sparks, Nevada 89431

TEL: (775) 355-1044 FAX: (775) 355-0406
Website: www.alpha-analytical.com

QC SUMMARY REPORT

WO#: 1911009

12-Nov-19

Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: MB-9727	SampType: MBLK	TestCode: VOC_W	Units: µg/L
Client ID: PBW	Batch ID: A9727	TestNo: SW8260C	
Prep Date: 11/4/2019	RunNo: 8204	SeqNo: 247206	
Analysis Date: 11/4/2019			

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#: 1911009

12-Nov-19

Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: MB-9727	SampType: MBLK	TestCode: VOC_W	Units: µg/L
Client ID: PBW	Batch ID: A9727	TestNo: SW8260C	
Prep Date: 11/4/2019	RunNo: 8204	SeqNo: 247206	
Analysis Date: 11/4/2019			

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	9.8		10		98.5	69.51	130.49				
Surr: Toluene-d8	10		10		101	69.51	130.49				
Surr: 4-Bromofluorobenzene	9.5		10		94.6	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#: 1911009

12-Nov-19

Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: LCS-9727	SampType: LCS	TestCode: VOC_W	Units: µg/L
Client ID: LCSW	Batch ID: A9727	TestNo: SW8260C	
Prep Date: 11/4/2019	RunNo: 8204	SeqNo: 247205	
Analysis Date: 11/4/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	4.66	1	10	0	46.6	5.02	179				
Chloromethane	6.19	2	10	0	61.9	30.3	130				
Vinyl chloride	6.2	1	10	0	62.0	60.1	134				
Chloroethane	7.56	1	10	0	75.6	62.3	168				
Bromomethane	8.32	2	10	0	83.2	7.3	151				
Trichlorofluoromethane	10.1	1	10	0	101	76.5	148				
Acetone	171	10	200	0	85.7	63.6	118				
1,1-Dichloroethene	9.46	1	10	0	94.6	28.8	209				
Tertiary Butyl Alcohol (TBA)	85.7	10	100	0	85.7	49.5	128.49				
Dichloromethane	8.38	2	10	0	83.8	77	120				
Freon-113	9.9	1	10	0	99.0	64.1	165				
trans-1,2-Dichloroethene	9.26	1	10	0	92.6	79.5	127				
Methyl tert-butyl ether (MTBE)	9.65	0.5	10	0	96.5	69	125				
1,1-Dichloroethane	8.84	1	10	0	88.4	78.6	131				
2-Butanone (MEK)	175	10	200	0	87.6	74.6	126				
Di-isopropyl Ether (DIPE)	8.9	1	10	0	89.0	79.5	121				
cis-1,2-Dichloroethene	8.8	1	10	0	88.0	79.5	122				
Bromochloromethane	9.72	1	10	0	97.2	75.9	125				
Chloroform	9.66	1	10	0	96.6	75	122				
Ethyl Tertiary Butyl Ether (ETBE)	9.1	1	10	0	91.0	75	123				
2,2-Dichloropropane	10.6	1	10	0	106	79.5	142				
1,2-Dichloroethane	10.3	1	10	0	103	74.2	130				
1,1,1-Trichloroethane	10.1	1	10	0	101	79.2	128				
1,1-Dichloropropene	9.78	1	10	0	97.8	78	142				
Carbon tetrachloride	10.7	1	10	0	107	79.5	125				
Benzene	9.03	0.5	10	0	90.3	79.5	126				
Tertiary Amyl Methyl Ether (TAME)	9.58	1	10	0	95.8	69.5	128.49				
Dibromomethane	9.77	1	10	0	97.7	79.5	128				
1,2-Dichloropropane	8.99	1	10	0	89.9	78.1	131				
Trichloroethene	9.8	1	10	0	98.0	79.3	121				
Bromodichloromethane	10.2	1	10	0	102	79.5	122				
4-Methyl-2-pentanone (MIBK)	24.1	2.5	25	0	96.3	60.8	126				
cis-1,3-Dichloropropene	9.99	1	10	0	99.9	79.5	123				
trans-1,3-Dichloropropene	10.2	1	10	0	102	77.3	128				
1,1,2-Trichloroethane	8.93	1	10	0	89.3	75.1	122				
Toluene	9.01	0.5	10	0	90.1	79.7	121				
1,3-Dichloropropane	8.99	1	10	0	89.9	70.6	126				
2-Hexanone	90.4	5	100	0	90.4	58.1	131				
Dibromochloromethane	10	1	10	0	100	79.2	127				
1,2-Dibromoethane (EDB)	18.6	2	20	0	92.8	75.2	126				

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#: 1911009

12-Nov-19

Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: LCS-9727	SampType: LCS	TestCode: VOC_W	Units: µg/L
Client ID: LCSW	Batch ID: A9727	TestNo: SW8260C	
Prep Date: 11/4/2019	RunNo: 8204	SeqNo: 247205	
Analysis Date: 11/4/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	10.7	1	10	0	107	74.9	121				
1,1,1,2-Tetrachloroethane	9.69	1	10	0	96.9	79.5	123				
Chlorobenzene	9.79	1	10	0	97.9	79.5	119				
Ethylbenzene	9.6	0.5	10	0	96.0	79.5	120				
m,p-Xylene	9.78	0.5	10	0	97.8	79.5	122				
Bromoform	11.1	1	10	0	110	68.8	129				
Xylenes, Total	19.6	0.5	20	0	97.8	79.5	122				
Styrene	9.9	1	10	0	99.0	79.5	129				
o-Xylene	9.78	0.5	10	0	97.8	79.1	123				
1,1,2,2-Tetrachloroethane	9.17	1	10	0	91.7	73.8	135				
1,2,3-Trichloropropane	19.5	2	20	0	97.5	74.3	133				
Isopropylbenzene	9.03	1	10	0	90.3	72.1	133				
Bromobenzene	10.3	1	10	0	103	73.4	120				
n-Propylbenzene	9.37	1	10	0	93.7	76.3	129				
4-Chlorotoluene	8.87	1	10	0	88.7	79.5	124				
2-Chlorotoluene	9.43	1	10	0	94.3	79.5	123				
1,3,5-Trimethylbenzene	9.6	1	10	0	96.0	79.4	136				
tert-Butylbenzene	9.22	1	10	0	92.2	71.5	131				
1,2,4-Trimethylbenzene	9.29	1	10	0	92.9	79.5	132				
sec-Butylbenzene	9.33	1	10	0	93.3	65.7	135				
1,3-Dichlorobenzene	9.65	1	10	0	96.5	79.5	120				
1,4-Dichlorobenzene	9.87	1	10	0	98.7	79.5	119				
4-Isopropyltoluene	9.72	1	10	0	97.2	69.5	141				
1,2-Dichlorobenzene	9.58	1	10	0	95.8	75.7	121				
n-Butylbenzene	9.63	1	10	0	96.3	60.6	150				
1,2-Dibromo-3-chloropropane (DBCP)	44.4	3	50	0	88.9	60	130				
1,2,4-Trichlorobenzene	10.5	2	10	0	105	42.2	141				
Naphthalene	9.04	2	10	0	90.4	22.7	139				
1,2,3-Trichlorobenzene	9.98	2	10	0	99.8	17.8	156				
Surr: 1,2-Dichloroethane-d4	9.94		10		99.4	69.51	130.49				
Surr: Toluene-d8	10		10		100	69.51	130.49				
Surr: 4-Bromofluorobenzene	9.45		10		94.5	69.51	130.49				

Sample ID: 1911009-09AMSD	SampType: MSD	TestCode: VOC_W	Units: µg/L
Client ID: EB-1MSD	Batch ID: A9727	TestNo: SW8260C	
Prep Date: 11/4/2019	RunNo: 8204	SeqNo: 247204	
Analysis Date: 11/4/2019			

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#: 1911009

12-Nov-19

Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: 1911009-09AMSD	SampType: MSD	TestCode: VOC_W	Units: µg/L
Client ID: EB-1MSD	Batch ID: A9727	TestNo: SW8260C	
Prep Date: 11/4/2019	RunNo: 8204	SeqNo: 247204	
Analysis Date: 11/4/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	24.6	5	50	0	49.2	5.1	155	22.9	7.1	38	
Chloromethane	35	10	50	0	70.0	37.7	121	36.4	3.9	22.5	
Vinyl chloride	35.8	5	50	0	71.5	60.4	140	37.7	5.1	23.9	
Chloroethane	46.6	5	50	0	93.1	43.1	206	42.6	8.9	22.9	
Bromomethane	42.7	10	50	0	85.4	12.6	168	42.8	0.14	48	
Trichlorofluoromethane	55.7	5	50	0	111	58.6	163	53.3	4.2	33.3	
Acetone	915	50	1000	0	91.5	37.3	152	889	3	50	
1,1-Dichloroethene	50.4	5	50	0	101	69.8	158	49.7	1.4	21.7	
Tertiary Butyl Alcohol (TBA)	465	50	500	0	92.9	60.4	158	435	6.6	26.8	
Dichloromethane	46.1	10	50	0	92.2	71.7	132	46.6	1	20	
Freon-113	52.5	5	50	0	105	52.1	166	52	0.86	25.9	
trans-1,2-Dichloroethene	48.8	5	50	0	97.6	72	136	47.2	3.3	19.2	
Methyl tert-butyl ether (MTBE)	47.1	2.5	50	0	94.3	54.8	155	45.1	4.5	21.4	
1,1-Dichloroethane	47.8	5	50	0	95.7	76.9	140	47	1.8	18	
2-Butanone (MEK)	927	50	1000	0	92.7	73.7	142	873	5.9	20.9	
Di-isopropyl Ether (DIPE)	45	5	50	0	90.0	74.8	136	43.5	3.5	18.2	
cis-1,2-Dichloroethene	47.3	5	50	0	94.5	73.9	133	45.1	4.6	20.1	
Bromochloromethane	51	5	50	0	102	75.8	132	49.7	2.6	23.5	
Chloroform	52	5	50	0	104	74.3	130	51.2	1.4	18	
Ethyl Tertiary Butyl Ether (ETBE)	44.4	5	50	0	88.8	74.8	138	42	5.6	20.3	
2,2-Dichloropropane	47.3	5	50	0	94.5	53.9	146	46.7	1.2	52.3	
1,2-Dichloroethane	53.2	5	50	0	106	72.6	144	52.9	0.68	17.1	
1,1,1-Trichloroethane	53.6	5	50	0	107	70.2	138	52.6	2	22.2	
1,1-Dichloropropene	51.4	5	50	0	103	69.7	146	51.8	0.7	29.6	
Carbon tetrachloride	56.8	5	50	0	114	58.2	141	56.8	0.07	31.9	
Benzene	48.8	2.5	50	0	97.7	67.8	140	47.4	3.1	18.1	
Tertiary Amyl Methyl Ether (TAME)	49.8	5	50	0	99.6	72.3	144	48.1	3.3	20.6	
Dibromomethane	49.8	5	50	0	99.6	75.2	144	48.7	2.4	19.5	
1,2-Dichloropropane	48	5	50	0	96.0	75.3	144	46.4	3.4	19.7	
Trichloroethene	52.6	5	50	0	105	65.7	131	51.8	1.5	25.3	
Bromodichloromethane	53.2	5	50	0	106	70.2	141	53.2	0.038	20.5	
4-Methyl-2-pentanone (MIBK)	122	12.5	125	0	97.3	57.9	143	118	3.1	21.3	
cis-1,3-Dichloropropene	47.3	5	50	0	94.6	56.9	132	46.7	1.2	25.8	
trans-1,3-Dichloropropene	52.3	5	50	0	105	72	131	49.5	5.5	26.4	
1,1,2-Trichloroethane	47.7	5	50	0	95.3	74	130	46.2	3	21.9	
Toluene	48.5	2.5	50	0	97.0	67.2	131	47	3.2	18.3	
1,3-Dichloropropane	48	5	50	0	96.0	74.2	124	46.6	2.9	21.7	
2-Hexanone	477	25	500	0	95.4	66.7	135	475	0.35	20.9	
Dibromochloromethane	52.5	5	50	0	105	71.5	134	52.8	0.57	24.1	
1,2-Dibromoethane (EDB)	95.2	10	100	0	95.2	74.7	129	95.6	0.39	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#: 1911009

12-Nov-19

Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: 1911009-09AMSD	SampType: MSD	TestCode: VOC_W	Units: µg/L
Client ID: EB-1MSD	Batch ID: A9727	TestNo: SW8260C	
Prep Date: 11/4/2019	RunNo: 8204	SeqNo: 247204	
Analysis Date: 11/4/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	58.1	5	50	0	116	45.9	138	56.2	3.4	30.9	
1,1,1,2-Tetrachloroethane	51.2	5	50	0	102	75.7	125	51.7	1	22.6	
Chlorobenzene	52.2	5	50	0	104	73.7	120	51.4	1.4	23.1	
Ethylbenzene	51.9	2.5	50	0	104	70.3	122	50	3.7	25.3	
m,p-Xylene	51.7	2.5	50	0	103	52.9	136	50.2	2.9	26.6	
Bromoform	56.1	5	50	0	112	61.5	141	57.4	2.2	25	
Xylenes, Total	104	2.5	100	0	104	61	131	101	3.4	25.6	
Styrene	51.6	5	50	0	103	74	130	50	3.2	26	
o-Xylene	52.3	2.5	50	0	105	67.3	129	50.3	3.9	25	
1,1,2,2-Tetrachloroethane	48.2	5	50	0	96.3	62.4	153	46.8	2.9	24.6	
1,2,3-Trichloropropane	102	10	100	0	102	37.4	171	97.5	4.3	50	
Isopropylbenzene	50.2	5	50	0	100	63	132	46.6	7.5	33.1	
Bromobenzene	55.2	5	50	0	110	65.1	120	52	5.9	23.6	
n-Propylbenzene	51.8	5	50	0	104	58.2	128	49.3	5	32.4	
4-Chlorotoluene	48.6	5	50	0	97.2	63.9	127	45.9	5.7	29.1	
2-Chlorotoluene	51.6	5	50	0	103	63.2	126	49.1	4.9	28.9	
1,3,5-Trimethylbenzene	51.7	5	50	0	103	63.8	138	49.4	4.6	31.9	
tert-Butylbenzene	50.5	5	50	0	101	59.7	128	46.3	8.6	36.2	
1,2,4-Trimethylbenzene	49.1	5	50	0	98.3	65.1	135	47.4	3.6	28.8	
sec-Butylbenzene	51.3	5	50	0	103	55.5	128	47.1	8.4	40.9	
1,3-Dichlorobenzene	51.3	5	50	0	103	64.5	122	48.8	5.2	28.6	
1,4-Dichlorobenzene	52	5	50	0	104	63.7	121	49.2	5.4	27.7	
4-Isopropyltoluene	50.7	5	50	0	101	58	135	46.6	8.5	40.4	
1,2-Dichlorobenzene	50.8	5	50	0	102	66.7	122	48	5.6	24.5	
n-Butylbenzene	49	5	50	0	97.9	52.7	139	44.3	10	43.5	
1,2-Dibromo-3-chloropropane (DBCP)	231	15	250	0	92.3	59.1	143	226	2.3	24.9	
1,2,4-Trichlorobenzene	53.6	10	50	0	107	47.1	139	49.4	8	35	
Naphthalene	47.9	10	50	0	95.8	31.6	164	43.1	11	50	
1,2,3-Trichlorobenzene	52.8	10	50	0	106	17.7	171	48.2	9	57	
Surr: 1,2-Dichloroethane-d4	48.8		50		97.6	69.51	130.49	49.9	0	0	
Surr: Toluene-d8	51.4		50		103	69.51	130.49	51.2	0	0	
Surr: 4-Bromofluorobenzene	48.3		50		96.6	69.51	130.49	46.9	0	0	

Sample ID: 1911009-09AMS	SampType: MS	TestCode: VOC_W	Units: µg/L
Client ID: EB-1MS	Batch ID: A9727	TestNo: SW8260C	
Prep Date: 11/4/2019	RunNo: 8204	SeqNo: 247203	
Analysis Date: 11/4/2019			

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#: 1911009

12-Nov-19

Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: 1911009-09AMS	SampType: MS	TestCode: VOC_W	Units: µg/L
Client ID: EB-1MS	Batch ID: A9727	TestNo: SW8260C	
Prep Date: 11/4/2019	RunNo: 8204	SeqNo: 247203	
Analysis Date: 11/4/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	22.9	5	50	0	45.9	5.1	155				
Chloromethane	36.4	10	50	0	72.7	37.7	121				
Vinyl chloride	37.7	5	50	0	75.3	60.4	140				
Chloroethane	42.6	5	50	0	85.2	43.1	206				
Bromomethane	42.8	10	50	0	85.6	12.6	168				
Trichlorofluoromethane	53.3	5	50	0	107	58.6	163				
Acetone	889	50	1000	0	88.9	37.3	152				
1,1-Dichloroethene	49.7	5	50	0	99.4	69.8	158				
Tertiary Butyl Alcohol (TBA)	435	50	500	0	87.0	60.4	158				
Dichloromethane	46.6	10	50	0	93.2	71.7	132				
Freon-113	52	5	50	0	104	52.1	166				
trans-1,2-Dichloroethene	47.2	5	50	0	94.5	72	136				
Methyl tert-butyl ether (MTBE)	45.1	2.5	50	0	90.1	54.8	155				
1,1-Dichloroethane	47	5	50	0	94.0	76.9	140				
2-Butanone (MEK)	873	50	1000	0	87.3	73.7	142				
Di-isopropyl Ether (DIPE)	43.5	5	50	0	86.9	74.8	136				
cis-1,2-Dichloroethene	45.1	5	50	0	90.3	73.9	133				
Bromochloromethane	49.7	5	50	0	99.4	75.8	132				
Chloroform	51.2	5	50	0	102	74.3	130				
Ethyl Tertiary Butyl Ether (ETBE)	42	5	50	0	83.9	74.8	138				
2,2-Dichloropropane	46.7	5	50	0	93.4	53.9	146				
1,2-Dichloroethane	52.9	5	50	0	106	72.6	144				
1,1,1-Trichloroethane	52.6	5	50	0	105	70.2	138				
1,1-Dichloropropene	51.8	5	50	0	104	69.7	146				
Carbon tetrachloride	56.8	5	50	0	114	58.2	141				
Benzene	47.4	2.5	50	0	94.7	67.8	140				
Tertiary Amyl Methyl Ether (TAME)	48.1	5	50	0	96.3	72.3	144				
Dibromomethane	48.7	5	50	0	97.3	75.2	144				
1,2-Dichloropropane	46.4	5	50	0	92.8	75.3	144				
Trichloroethene	51.8	5	50	0	104	65.7	131				
Bromodichloromethane	53.2	5	50	0	106	70.2	141				
4-Methyl-2-pentanone (MIBK)	118	12.5	125	0	94.3	57.9	143				
cis-1,3-Dichloropropene	46.7	5	50	0	93.4	56.9	132				
trans-1,3-Dichloropropene	49.5	5	50	0	99.0	72	131				
1,1,2-Trichloroethane	46.2	5	50	0	92.5	74	130				
Toluene	47	2.5	50	0	94.0	67.2	131				
1,3-Dichloropropane	46.6	5	50	0	93.3	74.2	124				
2-Hexanone	475	25	500	0	95.0	66.7	135				
Dibromochloromethane	52.8	5	50	0	106	71.5	134				
1,2-Dibromoethane (EDB)	95.6	10	100	0	95.6	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#: 1911009

12-Nov-19

Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: 1911009-09AMS	SampType: MS	TestCode: VOC_W	Units: µg/L
Client ID: EB-1MS	Batch ID: A9727	TestNo: SW8260C	
Prep Date: 11/4/2019	RunNo: 8204	SeqNo: 247203	
Analysis Date: 11/4/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	56.2	5	50	0	112	45.9	138				
1,1,1,2-Tetrachloroethane	51.7	5	50	0	103	75.7	125				
Chlorobenzene	51.4	5	50	0	103	73.7	120				
Ethylbenzene	50	2.5	50	0	100	70.3	122				
m,p-Xylene	50.2	2.5	50	0	100	52.9	136				
Bromoform	57.4	5	50	0	115	61.5	141				
Xylenes, Total	101	2.5	100	0	101	61	131				
Styrene	50	5	50	0	100	74	130				
o-Xylene	50.3	2.5	50	0	101	67.3	129				
1,1,2,2-Tetrachloroethane	46.8	5	50	0	93.6	62.4	153				
1,2,3-Trichloropropane	97.5	10	100	0	97.5	37.4	171				
Isopropylbenzene	46.6	5	50	0	93.3	63	132				
Bromobenzene	52	5	50	0	104	65.1	120				
n-Propylbenzene	49.3	5	50	0	98.6	58.2	128				
4-Chlorotoluene	45.9	5	50	0	91.8	63.9	127				
2-Chlorotoluene	49.1	5	50	0	98.3	63.2	126				
1,3,5-Trimethylbenzene	49.4	5	50	0	98.7	63.8	138				
tert-Butylbenzene	46.3	5	50	0	92.7	59.7	128				
1,2,4-Trimethylbenzene	47.4	5	50	0	94.8	65.1	135				
sec-Butylbenzene	47.1	5	50	0	94.3	55.5	128				
1,3-Dichlorobenzene	48.8	5	50	0	97.5	64.5	122				
1,4-Dichlorobenzene	49.2	5	50	0	98.5	63.7	121				
4-Isopropyltoluene	46.6	5	50	0	93.1	58	135				
1,2-Dichlorobenzene	48	5	50	0	96.1	66.7	122				
n-Butylbenzene	44.3	5	50	0	88.5	52.7	139				
1,2-Dibromo-3-chloropropane (DBCP)	226	15	250	0	90.2	59.1	143				
1,2,4-Trichlorobenzene	49.4	10	50	0	98.8	47.1	139				
Naphthalene	43.1	10	50	0	86.1	31.6	164				
1,2,3-Trichlorobenzene	48.2	10	50	0	96.4	17.7	171				
Surr: 1,2-Dichloroethane-d4	49.9		50		99.8	69.51	130.49				
Surr: Toluene-d8	51.2		50		102	69.51	130.49				
Surr: 4-Bromofluorobenzene	46.9		50		93.7	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#: 1911009

Date:

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
 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: CHH1911009
 Report Due By: 12-Nov-19
 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: 01-Nov-19

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles		Requested Tests	Sample Remarks
				Alpha	Sub TAT		
CHH1911009-01	TB-1	AQ	10/29/2019 7:00:00 AM	2	0	7	
CHH1911009-02	EXP-2	AQ	10/29/2019 10:51:00 AM	6	0	7	Client provided TBs.
CHH1911009-03	MW-20(MID)	AQ	10/29/2019 11:34:00 AM	6	0	7	
CHH1911009-04	MW-6	AQ	10/29/2019 12:09:00 PM	6	0	7	
CHH1911009-05	GMW-8	AQ	10/29/2019 12:59:00 PM	6	0	7	
CHH1911009-06	MW-12	AQ	10/29/2019 1:40:00 PM	6	0	7	
CHH1911009-07	MW-19(MID)	AQ	10/29/2019 2:26:00 PM	6	0	7	
CHH1911009-08	MW-7	AQ	10/29/2019 3:03:00 PM	6	0	7	
CHH1911009-09	EB-1	AQ	10/29/2019 3:17:00 PM	6	0	7	
CHH1911009-10	EB-2	AQ	10/29/2019 3:30:00 PM	6	0	7	

Comments: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Amended 11/11/19 to place sample -18 on hold, per Cody.EH

Logged in by: E Hernandez Signature E Hernandez Print Name Alpha Analytical, Inc. Company Alpha Analytical, Inc. Date/Time 11-19 15:28

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

AMENDED

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles			Requested Tests				Sample Remarks
				Alpha	Sub	TAT	HOLD	TPHE_W	TPHP_W	VOC_W	
CHH1911009-11	EXP-1	AQ	10/29/2019 10:40:00 AM	6	0	7		A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911009-12	EXP-3	AQ	10/29/2019 1:35:00 PM	6	0	7		A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911009-13	GMW-SF-7	AQ	10/29/2019 11:55:00 AM	6	0	7		A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911009-14	GMW-SF-8	AQ	10/29/2019 12:35:00 PM	6	0	7		A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911009-15	GMW-37	AQ	10/29/2019 2:38:00 PM	6	0	7		A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911009-16	GMW-38	AQ	10/29/2019 3:15:00 PM	6	0	7		A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911009-17	GMW-39	AQ	10/29/2019 11:10:00 AM	6	0	7		A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911009-18	EXP-2	AQ	10/29/2019 8:20:00 AM	6	0	7	A - Hold				

Comments: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Amended 11/11/19 to place sample - 18 on hold. per Cody.EH

Logged in by: Eduard Signature: E Hernandez Print Name: E Hernandez Company: Alpha Analytical, Inc. Date/Time: 11.11.19 15:28

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
Eric Davis
Vladimir Carino

WORKORDER SUMMARY

CA

WorkOrder: CHH1911009
Report Due By: 12-Nov-19
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: 01-Nov-19

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	
CHH1911009-01	TB-1	AQ	10/29/2019 7:00:00 AM	2	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	Client provided TBs.
CHH1911009-02	EXP-2	AQ	10/29/2019 10:51:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911009-03	MW-20(MID)	AQ	10/29/2019 11:34:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911009-04	MW-6	AQ	10/29/2019 12:09:00 PM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911009-05	GMW-8	AQ	10/29/2019 12:59:00 PM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911009-06	MW-12	AQ	10/29/2019 1:40:00 PM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911009-07	MW-19(MID)	AQ	10/29/2019 2:26:00 PM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911009-08	MW-7	AQ	10/29/2019 3:03:00 PM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911009-09	EB-1	AQ	10/29/2019 3:17:00 PM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911009-10	EB-2	AQ	10/29/2019 3:30:00 PM	6	0	7	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: Edmunds Signature: Edmunds Print Name: Edmunds Company: Alpha Analytical, Inc. Date/Time: 11-19 10:19

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	TPHE_W	TPHP_W	VOC_W		
CHH1911009-11	EXP-1	AQ	10/29/2019 10:40:00 AM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911009-12	EXP-3	AQ	10/29/2019 1:35:00 PM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911009-13	GMW-SF-7	AQ	10/29/2019 11:55:00 AM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911009-14	GMW-SF-8	AQ	10/29/2019 12:35:00 PM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911009-15	GMW-37	AQ	10/29/2019 2:38:00 PM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911009-16	GMW-38	AQ	10/29/2019 3:15:00 PM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911009-17	GMW-39	AQ	10/29/2019 11:10:00 AM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911009-18	EXP-2	AQ	10/29/2019 8:20:00 AM	6	0	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:		Print Name	E Hernandez	Company	Alpha Analytical, Inc.	Date/Time	11.19.19 10:19
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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 ANALYTICAL

LAB ~~FestAmerica~~ COC 1 of 2

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

BLAINE
TECH SERVICES, INC.

Billing Information:
Kinder Morgan
1100 Town and Country Rd.
Orange CA 95112

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

CONDUCT ANALYSIS TO DETECT		ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
TPHg, TPHd (EPA 8015M)	X				CHH191009-01
VOC's & Oxygenates (EPA 8260B)	X				02
	X				03
	X				04
	X				05
	X				06
	X				07
	X				08
	X				09
	X				10

SAMPLE I.D.	DATE	TIME	MATRIX	#	Preservation	Type	CONTAINERS	RESULTS NEEDED NO LATER THAN	DATE	TIME
TS-1	10/29/19	0700	AQ	2		Wet		Standard	10/30/19	1710
Exp-2	10/29/19	1051	AQ	6	HCL	Wet			10/31/19	1500
MW-20 (MID)	10/29/19	1134	AQ	6	HCL	VOA			11/19	10:19
MW-6	10/29/19	1204	AQ	6	HCL	VOA				
GMW-8	10/29/19	1259	AQ	6	HCL	VOA				
MW-12	10/29/19	1340	AQ	6	HCL	VOA				
MW-19 (MID)	10/29/19	1426	AQ	6	HCL	VOA				
MW-7	10/29/19	1503	AQ	6	HCL	VOA				
EB-1	10/29/19	1517	AQ	6	HCL	VOA				
EB-2	10/29/19	1530	AB	6	HCL	VOA				
RELEASED BY	DATE		TIME	SAMPLING PERFORMED BY	RECEIVED BY	TIME	DATE	TIME	DATE	TIME
Released by <i>Nicole</i>	10/29/19		1710	Brian Martinez, Gemma Francis	Nicole	1710	10/30/19	1710		
RELEASED BY	DATE		TIME	SAMPLING PERFORMED BY	RECEIVED BY	TIME	DATE	TIME	DATE	TIME
Released by <i>Nicole</i>	10/29/19		1710	Brian Martinez, Gemma Francis	FEDEx	1500	10/31/19	1500		
RELEASED BY	DATE		TIME	SAMPLING PERFORMED BY	RECEIVED BY	TIME	DATE	TIME	DATE	TIME
Released by <i>Nicole</i>	10/29/19		1710	Brian Martinez, Gemma Francis	FEDEx	1500	11/19	10:19		
SHIPPED VIA	DATE		TIME	SAMPLING PERFORMED BY	RECEIVED BY	TIME	DATE	TIME	DATE	TIME
	10/29/19		1710	Brian Martinez, Gemma Francis	FEDEx	1500	11/19	10:19		

ALPHA ANALYTICAL

LAB **TestAmerica** COC 2 of 2

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

BLAINE
TECH SERVICES, INC.

Billing Information:
Kinder Morgan
1100 Town and Country Rd.
Orange CA 95112

Report to:
Kinder Morgan Norwalk
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	
				#	Preservation Type
EXP-1	10-29-19	1040	AQ	6	HEL VOA
EXP-3	10-29-19	1335	AQ	6	
GMW-SF-7	10-29-19	1155	AQ	6	
GMW-SF-8	10-29-19	1235	AQ	6	
GMW-37	10-29-19	1438	AQ	6	
GMW-38	10-29-19	1515	AQ	6	
GMW-39	10-29-19	1110	AQ	6	
EXP-2	10-29-19	0820	AQ	6	HCC VOA

CONDUCT ANALYSIS TO DETECT		ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
TPHg, TPHd (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)				
X	X				CHH1911009-11
X	X				12
X	X				13
X	X				14
X	X				15
X	X				16
X	X				17
X	X				18

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN	DATE	TIME
RELEASED BY	10-29-19	1710	Brian Martinez	Standard	10/30/19	1710
RELEASED BY		1500		NIcole	10/31/19	1500
RELEASED BY				FEDEX	11.19.19	10:19
SHIPPED VIA						



Alpha Analytical, Inc.
255 Glendale Ave, #21
Sparks, Nevada 89431
TEL: (775) 355-1044 FAX: (775) 355-0406
Website: www.alpha-analytical.com

November 12, 2019

Eric Davis

1000 Wilshire Boulevard
Los Angeles, CA 90017
TEL:
FAX

RE: DFSP Norwalk
The result of this report apply to the sample(s) as received.

Dear Eric Davis:

Order No.: CHH1911011

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 black ink that reads "Roger Scholl". The signature is written in a cursive, flowing style.

Roger Scholl
Laboratory Director
255 Glendale Ave, #21
Sparks, Nevada 89431



Alpha Analytical, Inc.

(775) 355-1044 / (775) 355-0406 FAX / 1-800-283-1183
255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/30/2019 8:06:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911011-01**Matrix:** AQUEOUS**Client Sample ID** MW-15R

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	11/7/2019	TPH-E by EPA 8015C
Surr: Nonane	103	63-125		%Rec	11/7/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/6/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	11/6/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	100	70-130		%Rec	11/6/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	97	70-130		%Rec	11/6/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/6/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/6/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/6/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/6/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:

Collection Date: 10/30/2019 8:06:00 AM

Project: DFSP Norwalk

Lab ID: 1911011-01

Matrix: AQUEOUS

Client Sample ID MW-15R

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	11/6/2019	VOCs by EPA 8260C
Surr: Toluene-d8	100	70-130		%Rec	11/6/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	97	70-130		%Rec	11/6/2019	VOCs by EPA 8260C



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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/30/2019 8:40:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911011-02**Matrix:** AQUEOUS**Client Sample ID** GMW-14R

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	11/7/2019	TPH-E by EPA 8015C
Surr: Nonane	103	63-125		%Rec	11/7/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/6/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	11/6/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	104	70-130		%Rec	11/6/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	96	70-130		%Rec	11/6/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/6/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/6/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/6/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/6/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:

Collection Date: 10/30/2019 8:40:00 AM

Project: DFSP Norwalk

Lab ID: 1911011-02

Matrix: AQUEOUS

Client Sample ID GMW-14R

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	11/6/2019	VOCs by EPA 8260C
Surr: Toluene-d8	104	70-130		%Rec	11/6/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	96	70-130		%Rec	11/6/2019	VOCs by EPA 8260C



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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/30/2019 9:35:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911011-03**Matrix:** AQUEOUS**Client Sample ID** GMW-13

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	11/7/2019	TPH-E by EPA 8015C
Surr: Nonane	104	63-125		%Rec	11/7/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/6/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	11/6/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	107	70-130		%Rec	11/6/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	98	70-130		%Rec	11/6/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/6/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/6/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/6/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/6/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C



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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:

Collection Date: 10/30/2019 9:35:00 AM

Project: DFSP Norwalk

Lab ID: 1911011-03

Matrix: AQUEOUS

Client Sample ID GMW-13

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	11/6/2019	VOCs by EPA 8260C
Surr: Toluene-d8	107	70-130		%Rec	11/6/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	98	70-130		%Rec	11/6/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

(775) 355-1044 / (775) 355-0406 FAX / 1-800-283-1183
255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/30/2019 10:06:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911011-04**Matrix:** AQUEOUS**Client Sample ID** GMW-4R

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	11/7/2019	TPH-E by EPA 8015C
Surr: Nonane	101	63-125		%Rec	11/7/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/6/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	11/6/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	100	70-130		%Rec	11/6/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	96	70-130		%Rec	11/6/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/6/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/6/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/6/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/6/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C



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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/30/2019 10:06:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911011-04**Matrix:** AQUEOUS**Client Sample ID** GMW-4R

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	11/6/2019	VOCs by EPA 8260C
Surr: Toluene-d8	100	70-130		%Rec	11/6/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	96	70-130		%Rec	11/6/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/30/2019 10:35:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911011-05**Matrix:** AQUEOUS**Client Sample ID** MW-9

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	0.28	0.050		mg/L	11/7/2019	TPH-E by EPA 8015C
Surr: Nonane	88	63-125		%Rec	11/7/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/6/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	11/6/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	101	70-130		%Rec	11/6/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	92	70-130		%Rec	11/6/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/6/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/6/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/6/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/6/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

(775) 355-1044 / (775) 355-0406 FAX / 1-800-283-1183
255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:

Collection Date: 10/30/2019 10:35:00 AM

Project: DFSP Norwalk

Lab ID: 1911011-05

Matrix: AQUEOUS

Client Sample ID MW-9

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	11/6/2019	VOCs by EPA 8260C
Surr: Toluene-d8	101	70-130		%Rec	11/6/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	92	70-130		%Rec	11/6/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/30/2019 11:18:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911011-06**Matrix:** AQUEOUS**Client Sample ID** EXP-5

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	11/7/2019	TPH-E by EPA 8015C
Surr: Nonane	103	63-125		%Rec	11/7/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/6/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	99	70-130		%Rec	11/6/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	104	70-130		%Rec	11/6/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	11/6/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/6/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/6/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/6/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/6/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:

Collection Date: 10/30/2019 11:18:00 AM

Project: DFSP Norwalk

Lab ID: 1911011-06

Matrix: AQUEOUS

Client Sample ID EXP-5

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	99	70-130		%Rec	11/6/2019	VOCs by EPA 8260C
Surr: Toluene-d8	104	70-130		%Rec	11/6/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	11/6/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/30/2019 3:35:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911011-07**Matrix:** AQUEOUS**Client Sample ID** GMW-O-2

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	11/7/2019	TPH-E by EPA 8015C
Surr: Nonane	102	63-125		%Rec	11/7/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/6/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	100	70-130		%Rec	11/6/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	102	70-130		%Rec	11/6/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	97	70-130		%Rec	11/6/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/6/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/6/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/6/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/6/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:

Collection Date: 10/30/2019 3:35:00 PM

Project: DFSP Norwalk

Lab ID: 1911011-07

Matrix: AQUEOUS

Client Sample ID GMW-O-2

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	100	70-130		%Rec	11/6/2019	VOCs by EPA 8260C
Surr: Toluene-d8	102	70-130		%Rec	11/6/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	97	70-130		%Rec	11/6/2019	VOCs by EPA 8260C



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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/30/2019 3:05:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911011-08**Matrix:** AQUEOUS**Client Sample ID** GMW-O-3

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	11/7/2019	TPH-E by EPA 8015C
Surr: Nonane	105	63-125		%Rec	11/7/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/6/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	11/6/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	100	70-130		%Rec	11/6/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	91	70-130		%Rec	11/6/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/6/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/6/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/6/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/6/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/30/2019 3:05:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911011-08**Matrix:** AQUEOUS**Client Sample ID** GMW-O-3

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	11/6/2019	VOCs by EPA 8260C
Surr: Toluene-d8	100	70-130		%Rec	11/6/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	91	70-130		%Rec	11/6/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

(775) 355-1044 / (775) 355-0406 FAX / 1-800-283-1183
255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/30/2019 2:05:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911011-09**Matrix:** AQUEOUS**Client Sample ID** GMW-O-4

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	11/7/2019	TPH-E by EPA 8015C
Surr: Nonane	106	63-125		%Rec	11/7/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/6/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	98	70-130		%Rec	11/6/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	104	70-130		%Rec	11/6/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	95	70-130		%Rec	11/6/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/6/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/6/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/6/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/6/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C



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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:

Collection Date: 10/30/2019 2:05:00 PM

Project: DFSP Norwalk

Lab ID: 1911011-09

Matrix: AQUEOUS

Client Sample ID GMW-O-4

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	98	70-130		%Rec	11/6/2019	VOCs by EPA 8260C
Surr: Toluene-d8	104	70-130		%Rec	11/6/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	95	70-130		%Rec	11/6/2019	VOCs by EPA 8260C



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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/30/2019 1:20:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911011-10**Matrix:** AQUEOUS**Client Sample ID** GMW-O-5

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	11/7/2019	TPH-E by EPA 8015C
Surr: Nonane	101	63-125		%Rec	11/7/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/6/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	11/6/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	105	70-130		%Rec	11/6/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	98	70-130		%Rec	11/6/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/6/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/6/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/6/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/6/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/30/2019 1:20:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911011-10**Matrix:** AQUEOUS**Client Sample ID** GMW-O-5

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	11/6/2019	VOCs by EPA 8260C
Surr: Toluene-d8	105	70-130		%Rec	11/6/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	98	70-130		%Rec	11/6/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/30/2019 12:45:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911011-11**Matrix:** AQUEOUS**Client Sample ID** GMW-O-17

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	0.093	0.050	LC	mg/L	11/7/2019	TPH-E by EPA 8015C
Surr: Nonane	106	63-125		%Rec	11/7/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/6/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	11/6/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	103	70-130		%Rec	11/6/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	98	70-130		%Rec	11/6/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/6/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/6/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/6/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/6/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:

Collection Date: 10/30/2019 12:45:00 PM

Project: DFSP Norwalk

Lab ID: 1911011-11

Matrix: AQUEOUS

Client Sample ID GMW-O-17

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	11/6/2019	VOCs by EPA 8260C
Surr: Toluene-d8	103	70-130		%Rec	11/6/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	98	70-130		%Rec	11/6/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/30/2019 7:55:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911011-12**Matrix:** AQUEOUS**Client Sample ID** MW-21(MID)

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	0.099	0.050	C	mg/L	11/7/2019	TPH-E by EPA 8015C
Surr: Nonane	101	63-125		%Rec	11/7/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/6/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	11/6/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	102	70-130		%Rec	11/6/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	97	70-130		%Rec	11/6/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/6/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/6/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	0.58	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/6/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dichloroethane	1.2	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/6/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/30/2019 7:55:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911011-12**Matrix:** AQUEOUS**Client Sample ID** MW-21(MID)

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	11/6/2019	VOCs by EPA 8260C
Surr: Toluene-d8	102	70-130		%Rec	11/6/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	97	70-130		%Rec	11/6/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/30/2019 8:33:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911011-13**Matrix:** AQUEOUS**Client Sample ID** HL-3

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	11/7/2019	TPH-E by EPA 8015C
Surr: Nonane	105	63-125		%Rec	11/7/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/6/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	11/6/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	105	70-130		%Rec	11/6/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	11/6/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/6/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/6/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/6/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/6/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/30/2019 8:33:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911011-13**Matrix:** AQUEOUS**Client Sample ID** HL-3

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	11/6/2019	VOCs by EPA 8260C
Surr: Toluene-d8	105	70-130		%Rec	11/6/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	11/6/2019	VOCs by EPA 8260C



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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/30/2019 9:20:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911011-14**Matrix:** AQUEOUS**Client Sample ID** EXP-4

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	11/7/2019	TPH-E by EPA 8015C
Surr: Nonane	106	63-125		%Rec	11/7/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/6/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	112	70-130		%Rec	11/6/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	99	70-130		%Rec	11/6/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	11/6/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/6/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/6/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/6/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/6/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/30/2019 9:20:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911011-14**Matrix:** AQUEOUS**Client Sample ID** EXP-4

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/6/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/6/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/6/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	112	70-130		%Rec	11/6/2019	VOCs by EPA 8260C
Surr: Toluene-d8	99	70-130		%Rec	11/6/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	11/6/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/30/2019 10:00:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911011-15**Matrix:** AQUEOUS**Client Sample ID** WCW-13

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	11/7/2019	TPH-E by EPA 8015C
Surr: Nonane	100	63-125		%Rec	11/7/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/7/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	105	70-130		%Rec	11/7/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	102	70-130		%Rec	11/7/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	11/7/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/7/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/7/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/7/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/7/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:

Collection Date: 10/30/2019 10:00:00 AM

Project: DFSP Norwalk

Lab ID: 1911011-15

Matrix: AQUEOUS

Client Sample ID WCW-13

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	105	70-130		%Rec	11/7/2019	VOCs by EPA 8260C
Surr: Toluene-d8	102	70-130		%Rec	11/7/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	11/7/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/30/2019 10:38:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911011-16**Matrix:** AQUEOUS**Client Sample ID** WCW-12

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	11/7/2019	TPH-E by EPA 8015C
Surr: Nonane	97	63-125		%Rec	11/7/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/7/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	11/7/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	98	70-130		%Rec	11/7/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	94	70-130		%Rec	11/7/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/7/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/7/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/7/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/7/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:

Collection Date: 10/30/2019 10:38:00 AM

Project: DFSP Norwalk

Lab ID: 1911011-16

Matrix: AQUEOUS

Client Sample ID WCW-12

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	11/7/2019	VOCs by EPA 8260C
Surr: Toluene-d8	98	70-130		%Rec	11/7/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	94	70-130		%Rec	11/7/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/30/2019 11:25:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911011-17**Matrix:** AQUEOUS**Client Sample ID** WCW-14

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	11/7/2019	TPH-E by EPA 8015C
Surr: Nonane	109	63-125		%Rec	11/7/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/7/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	139	70-130		%Rec	11/7/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	93	70-130		%Rec	11/7/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	96	70-130		%Rec	11/7/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/7/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/7/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/7/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/7/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/30/2019 11:25:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911011-17**Matrix:** AQUEOUS**Client Sample ID** WCW-14

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	139	70-130		%Rec	11/7/2019	VOCs by EPA 8260C
Surr: Toluene-d8	93	70-130		%Rec	11/7/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	96	70-130		%Rec	11/7/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/30/2019 12:45:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911011-18**Matrix:** AQUEOUS**Client Sample ID** WCW-4

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	11/7/2019	TPH-E by EPA 8015C
Surr: Nonane	97	63-125		%Rec	11/7/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/7/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	11/7/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	104	70-130		%Rec	11/7/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	97	70-130		%Rec	11/7/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/7/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/7/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/7/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/7/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:

Collection Date: 10/30/2019 12:45:00 PM

Project: DFSP Norwalk

Lab ID: 1911011-18

Matrix: AQUEOUS

Client Sample ID WCW-4

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	11/7/2019	VOCs by EPA 8260C
Surr: Toluene-d8	104	70-130		%Rec	11/7/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	97	70-130		%Rec	11/7/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/30/2019 1:26:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911011-19**Matrix:** AQUEOUS**Client Sample ID** WCW-3

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	11/8/2019	TPH-E by EPA 8015C
Surr: Nonane	101	63-125		%Rec	11/8/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/7/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	11/7/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	104	70-130		%Rec	11/7/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	98	70-130		%Rec	11/7/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/7/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/7/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/7/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/7/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/30/2019 1:26:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911011-19**Matrix:** AQUEOUS**Client Sample ID** WCW-3

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	11/7/2019	VOCs by EPA 8260C
Surr: Toluene-d8	104	70-130		%Rec	11/7/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	98	70-130		%Rec	11/7/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/30/2019 2:05:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911011-20**Matrix:** AQUEOUS**Client Sample ID** WCW-2

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	11/8/2019	TPH-E by EPA 8015C
Surr: Nonane	105	63-125		%Rec	11/8/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/7/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	100	70-130		%Rec	11/7/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	102	70-130		%Rec	11/7/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	96	70-130		%Rec	11/7/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/7/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/7/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/7/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/7/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:

Collection Date: 10/30/2019 2:05:00 PM

Project: DFSP Norwalk

Lab ID: 1911011-20

Matrix: AQUEOUS

Client Sample ID WCW-2

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	100	70-130		%Rec	11/7/2019	VOCs by EPA 8260C
Surr: Toluene-d8	102	70-130		%Rec	11/7/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	96	70-130		%Rec	11/7/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/30/2019 2:49:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911011-21**Matrix:** AQUEOUS**Client Sample ID** WCW-6

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	11/6/2019	TPH-E by EPA 8015C
Surr: Nonane	107	63-125		%Rec	11/6/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/7/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	106	70-130		%Rec	11/7/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	103	70-130		%Rec	11/7/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	98	70-130		%Rec	11/7/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/7/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/7/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/7/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dichloroethane	1.4	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/7/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/30/2019 2:49:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911011-21**Matrix:** AQUEOUS**Client Sample ID** WCW-6

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	106	70-130		%Rec	11/7/2019	VOCs by EPA 8260C
Surr: Toluene-d8	103	70-130		%Rec	11/7/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	98	70-130		%Rec	11/7/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:

Collection Date: 10/30/2019 3:32:00 PM

Project: DFSP Norwalk

Lab ID: 1911011-22

Matrix: AQUEOUS

Client Sample ID PZ-2

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	0.41	0.050		mg/L	11/6/2019	TPH-E by EPA 8015C
Surr: Nonane	77	63-125		%Rec	11/6/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/7/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	11/7/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	100	70-130		%Rec	11/7/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	92	70-130		%Rec	11/7/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/7/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/7/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/7/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/7/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:

Collection Date: 10/30/2019 3:32:00 PM

Project: DFSP Norwalk

Lab ID: 1911011-22

Matrix: AQUEOUS

Client Sample ID PZ-2

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	11/7/2019	VOCs by EPA 8260C
Surr: Toluene-d8	100	70-130		%Rec	11/7/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	92	70-130		%Rec	11/7/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/30/2019**Project:** DFSP Norwalk**Lab ID:** 1911011-23**Matrix:** AQUEOUS**Client Sample ID** DUP-1

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	0.071	0.050		mg/L	11/6/2019	TPH-E by EPA 8015C
Surr: Nonane	108	63-125		%Rec	11/6/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/7/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	106	70-130		%Rec	11/7/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	102	70-130		%Rec	11/7/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	96	70-130		%Rec	11/7/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/7/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/7/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	0.62	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/7/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dichloroethane	1.3	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/7/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:

Collection Date: 10/30/2019

Project: DFSP Norwalk

Lab ID: 1911011-23

Matrix: AQUEOUS

Client Sample ID DUP-1

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	106	70-130		%Rec	11/7/2019	VOCs by EPA 8260C
Surr: Toluene-d8	102	70-130		%Rec	11/7/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	96	70-130		%Rec	11/7/2019	VOCs by EPA 8260C



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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/30/2019**Project:** DFSP Norwalk**Lab ID:** 1911011-24**Matrix:** AQUEOUS**Client Sample ID** DUP-6

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	0.43	0.050		mg/L	11/6/2019	TPH-E by EPA 8015C
Surr: Nonane	110	63-125		%Rec	11/6/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/7/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	11/7/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	100	70-130		%Rec	11/7/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	94	70-130		%Rec	11/7/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/7/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/7/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/7/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/7/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:

Collection Date: 10/30/2019

Project: DFSP Norwalk

Lab ID: 1911011-24

Matrix: AQUEOUS

Client Sample ID DUP-6

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	11/7/2019	VOCs by EPA 8260C
Surr: Toluene-d8	100	70-130		%Rec	11/7/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	94	70-130		%Rec	11/7/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/30/2019 3:45:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911011-25**Matrix:** AQUEOUS**Client Sample ID** EB-3

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	11/6/2019	TPH-E by EPA 8015C
Surr: Nonane	107	63-125		%Rec	11/6/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/7/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	96	70-130		%Rec	11/7/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	104	70-130		%Rec	11/7/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	98	70-130		%Rec	11/7/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/7/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/7/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/7/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/7/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:

Collection Date: 10/30/2019 3:45:00 PM

Project: DFSP Norwalk

Lab ID: 1911011-25

Matrix: AQUEOUS

Client Sample ID EB-3

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	96	70-130		%Rec	11/7/2019	VOCs by EPA 8260C
Surr: Toluene-d8	104	70-130		%Rec	11/7/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	98	70-130		%Rec	11/7/2019	VOCs by EPA 8260C



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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:**Collection Date:** 10/30/2019 3:45:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911011-26**Matrix:** AQUEOUS**Client Sample ID** EB-4

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	11/6/2019	TPH-E by EPA 8015C
Surr: Nonane	100	63-125		%Rec	11/6/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/7/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	98	70-130		%Rec	11/7/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	103	70-130		%Rec	11/7/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	99	70-130		%Rec	11/7/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/7/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/7/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/7/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/7/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911011

Report Date: 11/12/2019

CLIENT:

Collection Date: 10/30/2019 3:45:00 PM

Project: DFSP Norwalk

Lab ID: 1911011-26

Matrix: AQUEOUS

Client Sample ID EB-4

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/7/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/7/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/7/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	98	70-130		%Rec	11/7/2019	VOCs by EPA 8260C
Surr: Toluene-d8	103	70-130		%Rec	11/7/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	99	70-130		%Rec	11/7/2019	VOCs by EPA 8260C



Client:

Project: DFSP Norwalk

TestCode: TPH/E_W

Sample ID: MB-9731	SampType: MBLK	TestCode: TPH/E_W	Units: mg/L
Client ID: PBW	Batch ID: 9731	TestNo: SW8015	SW8015
Prep Date: 11/4/2019	RunNo: 8220	SeqNo: 247622	
Analysis Date: 11/7/2019			

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	0.15		0.15		98.0	63	125				

Sample ID: LCS-9731	SampType: LCS	TestCode: TPH/E_W	Units: mg/L
Client ID: LCSW	Batch ID: 9731	TestNo: SW8015	SW8015
Prep Date: 11/4/2019	RunNo: 8220	SeqNo: 247623	
Analysis Date: 11/7/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-E (DRO)	2.7	0.05	2.5	0	108	89.6	123				
Surr: Nonane	0.13		0.15		86.7	60	129				

Sample ID: 1911011-02AMSD	SampType: MSD	TestCode: TPH/E_W	Units: mg/L
Client ID: GMW-14RMSD	Batch ID: 9731	TestNo: SW8015	SW8015
Prep Date: 11/4/2019	RunNo: 8220	SeqNo: 247627	
Analysis Date: 11/7/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-E (DRO)	3.14	0.1	2.5	0	126	79	140	3	4.5	8	
Surr: Nonane	0.321		0.3		107	68.8	128	0.307	0	0	

Sample ID: 1911011-02AMS	SampType: MS	TestCode: TPH/E_W	Units: mg/L
Client ID: GMW-14RMS	Batch ID: 9731	TestNo: SW8015	SW8015
Prep Date: 11/4/2019	RunNo: 8220	SeqNo: 247626	
Analysis Date: 11/7/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-E (DRO)	3	0.1	2.5	0	120	79	140				
Surr: Nonane	0.307		0.3		102	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



QC SUMMARY REPORT

WO#: 1911011
 12-Nov-19

Client:
Project: DFSP Norwalk

TestCode: TPH/E_W

Sample ID: MB-9735	SampType: MBLK	TestCode: TPH/E_W	Units: mg/L
Client ID: PBW	Batch ID: 9735	TestNo: SW8015	SW8015
Prep Date: 11/5/2019	RunNo: 8220	SeqNo: 247636	
Analysis Date: 11/6/2019			

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	0.15		0.15		100	63	125				

Sample ID: LCS-9735	SampType: LCS	TestCode: TPH/E_W	Units: mg/L
Client ID: LCSW	Batch ID: 9735	TestNo: SW8015	SW8015
Prep Date: 11/5/2019	RunNo: 8220	SeqNo: 247604	
Analysis Date: 11/6/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-E (DRO)	2.78	0.05	2.5	0	111	89.6	123				
Surr: Nonane	0.168		0.15		112	60	129				

Sample ID: 1911011-21AMSD	SampType: MSD	TestCode: TPH/E_W	Units: mg/L
Client ID: WCW-6MSD	Batch ID: 9735	TestNo: SW8015	SW8015
Prep Date: 11/5/2019	RunNo: 8220	SeqNo: 247607	
Analysis Date: 11/6/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-E (DRO)	3.01	0.1	2.5	0	120	79	140	2.99	0.8	8	
Surr: Nonane	0.328		0.3		109	68.8	128	0.323	0	0	

Sample ID: 1911011-21AMS	SampType: MS	TestCode: TPH/E_W	Units: mg/L
Client ID: WCW-6MS	Batch ID: 9735	TestNo: SW8015	SW8015
Prep Date: 11/5/2019	RunNo: 8220	SeqNo: 247606	
Analysis Date: 11/6/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-E (DRO)	2.99	0.1	2.5	0	119	79	140				
Surr: Nonane	0.323		0.3		108	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



Client:

Project: DFSP Norwalk

TestCode: TPH/P_W

Sample ID: MB-9742	SampType: MBLK	TestCode: TPH/P_W	Units: mg/L								
Client ID: PBW	Batch ID: A9742B	TestNo: SW8015									
Prep Date: 11/6/2019	RunNo: 8214	SeqNo: 247423									
Analysis Date: 11/6/2019											
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	0.01		0.01		101	69.51	130.49				
Surr: Toluene-d8	0.01		0.01		100	69.51	130.49				
Surr: 4-Bromofluorobenzene	0.0088		0.01		88.3	69.51	130.49				

Sample ID: GLCS-9742	SampType: GLCS	TestCode: TPH/P_W	Units: mg/L								
Client ID: BatchQC	Batch ID: A9742B	TestNo: SW8015									
Prep Date: 11/6/2019	RunNo: 8214	SeqNo: 247422									
Analysis Date: 11/6/2019											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-P (GRO)	0.387	0.05	0.4	0	96.8	73.9	126				
Surr: 1,2-Dichloroethane-d4	0.0107		0.01		107	69.51	130.49				
Surr: Toluene-d8	0.00939		0.01		93.9	69.51	130.49				
Surr: 4-Bromofluorobenzene	0.00961		0.01		96.1	69.51	130.49				

Sample ID: 1911011-02AGSD	SampType: GSD	TestCode: TPH/P_W	Units: mg/L								
Client ID: GMW-14R	Batch ID: A9742B	TestNo: SW8015									
Prep Date: 11/6/2019	RunNo: 8214	SeqNo: 247439									
Analysis Date: 11/6/2019											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-P (GRO)	2.08	0.25	2	0	104	60	125	2.04	1.6	28	
Surr: 1,2-Dichloroethane-d4	0.0474		0.05		94.8	69.51	130.49	0.049	0	0	
Surr: Toluene-d8	0.0502		0.05		100	69.51	130.49	0.0495	0	0	
Surr: 4-Bromofluorobenzene	0.049		0.05		98.0	69.51	130.49	0.0473	0	0	

Sample ID: 1911011-02AGS	SampType: GS	TestCode: TPH/P_W	Units: mg/L								
Client ID: GMW-14R	Batch ID: A9742B	TestNo: SW8015									
Prep Date: 11/6/2019	RunNo: 8214	SeqNo: 247438									
Analysis Date: 11/6/2019											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-P (GRO)	2.04	0.25	2	0	102	60	125				
Surr: 1,2-Dichloroethane-d4	0.049		0.05		97.9	69.51	130.49				
Surr: Toluene-d8	0.0495		0.05		98.9	69.51	130.49				
Surr: 4-Bromofluorobenzene	0.0473		0.05		94.6	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



Client:

Project: DFSP Norwalk

TestCode: TPH/P_W

Sample ID: 1911011-02AGS	SampType: GS	TestCode: TPH/P_W	Units: mg/L								
Client ID: GMW-14R	Batch ID: A9742B	TestNo: SW8015									
Prep Date: 11/6/2019	RunNo: 8214	SeqNo: 247438									
Analysis Date: 11/6/2019											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: MB-9754	SampType: MBLK	TestCode: TPH/P_W	Units: mg/L								
Client ID: PBW	Batch ID: A9754B	TestNo: SW8015									
Prep Date: 11/7/2019	RunNo: 8221	SeqNo: 247685									
Analysis Date: 11/7/2019											
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	0.012		0.01		120	69.51	130.49				
Surr: Toluene-d8	0.0093		0.01		93.0	69.51	130.49				
Surr: 4-Bromofluorobenzene	0.011		0.01		109	69.51	130.49				

Sample ID: GLCS-9754	SampType: GLCS	TestCode: TPH/P_W	Units: mg/L								
Client ID: BatchQC	Batch ID: A9754B	TestNo: SW8015									
Prep Date: 11/7/2019	RunNo: 8221	SeqNo: 247713									
Analysis Date: 11/7/2019											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-P (GRO)	0.372	0.05	0.4	0	93.0	73.9	126				
Surr: 1,2-Dichloroethane-d4	0.0102		0.01		102	69.51	130.49				
Surr: Toluene-d8	0.00926		0.01		92.6	69.51	130.49				
Surr: 4-Bromofluorobenzene	0.00901		0.01		90.1	69.51	130.49				

Sample ID: 1911011-15AGSD	SampType: GSD	TestCode: TPH/P_W	Units: mg/L								
Client ID: WCW-13	Batch ID: A9754B	TestNo: SW8015									
Prep Date: 11/8/2019	RunNo: 8221	SeqNo: 247712									
Analysis Date: 11/8/2019											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-P (GRO)	1.88	0.25	2	0	93.8	60	125	1.81	3.8	28	
Surr: 1,2-Dichloroethane-d4	0.0491		0.05		98.2	69.51	130.49	0.0481	0	0	
Surr: Toluene-d8	0.0489		0.05		97.9	69.51	130.49	0.0497	0	0	
Surr: 4-Bromofluorobenzene	0.0458		0.05		91.6	69.51	130.49	0.046	0	0	

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.
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 Website: www.alpha-analytical.com

QC SUMMARY REPORT

WO#: 1911011
 12-Nov-19

Client:

Project: DFSP Norwalk

TestCode: TPH/P_W

Sample ID: 1911011-15AGS	SampType: GS	TestCode: TPH/P_W	Units: mg/L
Client ID: WCW-13	Batch ID: A9754B	TestNo: SW8015	
Prep Date: 11/7/2019	RunNo: 8221	SeqNo: 247711	
Analysis Date: 11/7/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-P (GRO)	1.81	0.25	2	0	90.3	60	125				
Surr: 1,2-Dichloroethane-d4	0.0481		0.05		96.2	69.51	130.49				
Surr: Toluene-d8	0.0497		0.05		99.4	69.51	130.49				
Surr: 4-Bromofluorobenzene	0.046		0.05		91.9	69.51	130.49				

Qualifiers:

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QC SUMMARY REPORT

WO#: 1911011

12-Nov-19

Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: MB-9742	SampType: MBLK	TestCode: VOC_W	Units: µg/L
Client ID: PBW	Batch ID: A9742	TestNo: SW8260C	
Prep Date: 11/6/2019	RunNo: 8214	SeqNo: 247404	
Analysis Date: 11/6/2019			

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
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QC SUMMARY REPORT

WO#: 1911011

12-Nov-19

Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: MB-9742	SampType: MBLK	TestCode: VOC_W	Units: µg/L
Client ID: PBW	Batch ID: A9742	TestNo: SW8260C	
Prep Date: 11/6/2019	RunNo: 8214	SeqNo: 247404	
Analysis Date: 11/6/2019			

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	10		10		101	69.51	130.49				
Surr: Toluene-d8	10		10		100	69.51	130.49				
Surr: 4-Bromofluorobenzene	8.8		10		88.3	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#: 1911011

12-Nov-19

Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: LCS-9742	SampType: LCS D	TestCode: VOC_W	Units: µg/L
Client ID: LCSS02	Batch ID: A9742	TestNo: SW8260C	
Prep Date: 11/6/2019	RunNo: 8214	SeqNo: 247403	
Analysis Date: 11/6/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	4.66	1	10	0	46.6	5.02	179				
Chloromethane	6.52	2	10	0	65.2	30.3	130				
Vinyl chloride	6.19	1	10	0	61.9	60.1	134				
Chloroethane	7.21	1	10	0	72.1	62.3	168				
Bromomethane	7.95	2	10	0	79.5	7.3	151				
Trichlorofluoromethane	9.49	1	10	0	94.9	76.5	148				
Acetone	173	10	200	0	86.4	63.6	118				
1,1-Dichloroethene	8.84	1	10	0	88.4	28.8	209				
Tertiary Butyl Alcohol (TBA)	94.9	10	100	0	94.9	49.5	128.49				
Dichloromethane	8.4	2	10	0	84.0	77	120				
Freon-113	9.15	1	10	0	91.5	64.1	165				
trans-1,2-Dichloroethene	8.74	1	10	0	87.4	79.5	127				
Methyl tert-butyl ether (MTBE)	9.32	0.5	10	0	93.2	69	125				
1,1-Dichloroethane	8.45	1	10	0	84.5	78.6	131				
2-Butanone (MEK)	187	10	200	0	93.3	74.6	126				
Di-isopropyl Ether (DIPE)	8.29	1	10	0	82.9	79.5	121				
cis-1,2-Dichloroethene	8.45	1	10	0	84.5	79.5	122				
Bromochloromethane	9.38	1	10	0	93.8	75.9	125				
Chloroform	9.11	1	10	0	91.1	75	122				
Ethyl Tertiary Butyl Ether (ETBE)	8.65	1	10	0	86.5	75	123				
2,2-Dichloropropane	9.78	1	10	0	97.8	79.5	142				
1,2-Dichloroethane	9.64	1	10	0	96.4	74.2	130				
1,1,1-Trichloroethane	9.24	1	10	0	92.4	79.2	128				
1,1-Dichloropropene	9.3	1	10	0	93.0	78	142				
Carbon tetrachloride	9.81	1	10	0	98.1	79.5	125				
Benzene	8.63	0.5	10	0	86.3	79.5	126				
Tertiary Amyl Methyl Ether (TAME)	9.37	1	10	0	93.7	69.5	128.49				
Dibromomethane	9.39	1	10	0	93.9	79.5	128				
1,2-Dichloropropane	8.72	1	10	0	87.2	78.1	131				
Trichloroethene	9.51	1	10	0	95.1	79.3	121				
Bromodichloromethane	9.57	1	10	0	95.7	79.5	122				
4-Methyl-2-pentanone (MIBK)	24.8	2.5	25	0	99.0	60.8	126				
cis-1,3-Dichloropropene	9.7	1	10	0	97.0	79.5	123				
trans-1,3-Dichloropropene	9.75	1	10	0	97.5	77.3	128				
1,1,2-Trichloroethane	9.11	1	10	0	91.1	75.1	122				
Toluene	8.95	0.5	10	0	89.5	79.7	121				
1,3-Dichloropropane	9.22	1	10	0	92.2	70.6	126				
2-Hexanone	99.3	5	100	0	99.2	58.1	131				
Dibromochloromethane	9.96	1	10	0	99.6	79.2	127				
1,2-Dibromoethane (EDB)	19	2	20	0	94.8	75.2	126				

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#: 1911011

12-Nov-19

Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: LCS-9742	SampType: LCSD	TestCode: VOC_W	Units: µg/L
Client ID: LCSS02	Batch ID: A9742	TestNo: SW8260C	
Prep Date: 11/6/2019	RunNo: 8214	SeqNo: 247403	
Analysis Date: 11/6/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	10.6	1	10	0	106	74.9	121				
1,1,1,2-Tetrachloroethane	9.68	1	10	0	96.8	79.5	123				
Chlorobenzene	9.68	1	10	0	96.8	79.5	119				
Ethylbenzene	9.59	0.5	10	0	95.9	79.5	120				
m,p-Xylene	9.73	0.5	10	0	97.3	79.5	122				
Bromoform	11.2	1	10	0	112	68.8	129				
Xylenes, Total	19.6	0.5	20	0	98.2	79.5	122				
Styrene	9.97	1	10	0	99.7	79.5	129				
o-Xylene	9.92	0.5	10	0	99.2	79.1	123				
1,1,2,2-Tetrachloroethane	9.42	1	10	0	94.2	73.8	135				
1,2,3-Trichloropropane	19.2	2	20	0	95.8	74.3	133				
Isopropylbenzene	8.88	1	10	0	88.8	72.1	133				
Bromobenzene	9.91	1	10	0	99.1	73.4	120				
n-Propylbenzene	9.3	1	10	0	93.0	76.3	129				
4-Chlorotoluene	8.88	1	10	0	88.8	79.5	124				
2-Chlorotoluene	9.37	1	10	0	93.7	79.5	123				
1,3,5-Trimethylbenzene	9.45	1	10	0	94.5	79.4	136				
tert-Butylbenzene	8.92	1	10	0	89.2	71.5	131				
1,2,4-Trimethylbenzene	9.07	1	10	0	90.7	79.5	132				
sec-Butylbenzene	9.47	1	10	0	94.7	65.7	135				
1,3-Dichlorobenzene	9.6	1	10	0	96.0	79.5	120				
1,4-Dichlorobenzene	9.64	1	10	0	96.4	79.5	119				
4-Isopropyltoluene	9.48	1	10	0	94.8	69.5	141				
1,2-Dichlorobenzene	9.6	1	10	0	96.0	75.7	121				
n-Butylbenzene	9.6	1	10	0	96.0	60.6	150				
1,2-Dibromo-3-chloropropane (DBCP)	46.4	3	50	0	92.8	60	130				
1,2,4-Trichlorobenzene	10.2	2	10	0	102	42.2	141				
Naphthalene	8.97	2	10	0	89.7	22.7	139				
1,2,3-Trichlorobenzene	9.47	2	10	0	94.7	17.8	156				
Surr: 1,2-Dichloroethane-d4	9.4		10		94.0	69.51	130.49				
Surr: Toluene-d8	10.4		10		104	69.51	130.49				
Surr: 4-Bromofluorobenzene	9.61		10		96.1	69.51	130.49				

Sample ID: 1911011-02AMSD	SampType: MSD	TestCode: VOC_W	Units: µg/L
Client ID: GMW-14RMSD	Batch ID: A9742	TestNo: SW8260C	
Prep Date: 11/6/2019	RunNo: 8214	SeqNo: 247421	
Analysis Date: 11/6/2019			

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#: 1911011

12-Nov-19

Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: 1911011-02AMSD	SampType: MSD	TestCode: VOC_W	Units: µg/L
Client ID: GMW-14RMSD	Batch ID: A9742	TestNo: SW8260C	
Prep Date: 11/6/2019	RunNo: 8214	SeqNo: 247421	
Analysis Date: 11/6/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	17.6	5	50	0	35.2	5.1	155	18.7	6.3	38	
Chloromethane	26.4	10	50	0	52.8	37.7	121	27.7	4.7	22.5	
Vinyl chloride	31.9	5	50	0	63.9	60.4	140	27.2	16	23.9	
Chloroethane	34.4	5	50	0	68.9	43.1	206	39.7	14	22.9	
Bromomethane	41.8	10	50	0	83.7	12.6	168	34.9	18	48	
Trichlorofluoromethane	44.8	5	50	0	89.6	58.6	163	50.9	13	33.3	
Acetone	811	50	1000	0	81.1	37.3	152	843	3.9	50	
1,1-Dichloroethene	41.9	5	50	0	83.7	69.8	158	45.9	9.2	21.7	
Tertiary Butyl Alcohol (TBA)	400	50	500	0	79.9	60.4	158	408	2.1	26.8	
Dichloromethane	39	10	50	0	78.0	71.7	132	43.1	10	20	
Freon-113	44.2	5	50	0	88.4	52.1	166	48.1	8.4	25.9	
trans-1,2-Dichloroethene	40.8	5	50	0	81.6	72	136	45.5	11	19.2	
Methyl tert-butyl ether (MTBE)	42	2.5	50	0	84.0	54.8	155	45.9	8.9	21.4	
1,1-Dichloroethane	39.7	5	50	0	79.4	76.9	140	44.4	11	18	
2-Butanone (MEK)	831	50	1000	0	83.1	73.7	142	904	8.4	20.9	
Di-isopropyl Ether (DIPE)	38	5	50	0	75.9	74.8	136	41.2	8.1	18.2	
cis-1,2-Dichloroethene	39.8	5	50	0	79.6	73.9	133	44.2	10	20.1	
Bromochloromethane	44.8	5	50	0	89.6	75.8	132	49.5	9.9	23.5	
Chloroform	43.7	5	50	0	87.4	74.3	130	49.3	12	18	
Ethyl Tertiary Butyl Ether (ETBE)	39.3	5	50	0	78.5	74.8	138	43.1	9.2	20.3	
2,2-Dichloropropane	42	5	50	0	83.9	53.9	146	46.5	10	52.3	
1,2-Dichloroethane	47.1	5	50	0	94.2	72.6	144	51.8	9.5	17.1	
1,1,1-Trichloroethane	44.9	5	50	0	89.7	70.2	138	51	13	22.2	
1,1-Dichloropropene	43.9	5	50	0	87.7	69.7	146	49.3	12	29.6	
Carbon tetrachloride	48.4	5	50	0	96.7	58.2	141	54	11	31.9	
Benzene	41.7	2.5	50	0	83.3	67.8	140	46.1	10	18.1	
Tertiary Amyl Methyl Ether (TAME)	45.6	5	50	0	91.3	72.3	144	50.7	11	20.6	
Dibromomethane	44.5	5	50	0	89.1	75.2	144	47.9	7.3	19.5	
1,2-Dichloropropane	40.9	5	50	0	81.9	75.3	144	44.9	9.3	19.7	
Trichloroethene	45.4	5	50	0	90.7	65.7	131	50.6	11	25.3	
Bromodichloromethane	46.1	5	50	0	92.3	70.2	141	51.6	11	20.5	
4-Methyl-2-pentanone (MIBK)	110	12.5	125	0	87.8	57.9	143	119	8	21.3	
cis-1,3-Dichloropropene	42.4	5	50	0	84.7	56.9	132	45.1	6.2	25.8	
trans-1,3-Dichloropropene	45.8	5	50	0	91.6	72	131	49.8	8.3	26.4	
1,1,2-Trichloroethane	43.4	5	50	0	86.8	74	130	46.6	7	21.9	
Toluene	41.1	2.5	50	0	82.3	67.2	131	46.5	12	18.3	
1,3-Dichloropropane	41.6	5	50	0	83.2	74.2	124	46.5	11	21.7	
2-Hexanone	404	25	500	0	80.8	66.7	135	470	15	20.9	
Dibromochloromethane	46	5	50	0	92.0	71.5	134	51.1	11	24.1	
1,2-Dibromoethane (EDB)	85.4	10	100	0	85.4	74.7	129	95.3	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



Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: 1911011-02AMSD	SampType: MSD	TestCode: VOC_W	Units: µg/L
Client ID: GMW-14RMSD	Batch ID: A9742	TestNo: SW8260C	
Prep Date: 11/6/2019	RunNo: 8214	SeqNo: 247421	
Analysis Date: 11/6/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	48.9	5	50	0	97.8	45.9	138	55	12	30.9	
1,1,1,2-Tetrachloroethane	45.1	5	50	0	90.1	75.7	125	49.2	8.7	22.6	
Chlorobenzene	45.6	5	50	0	91.2	73.7	120	50.4	10	23.1	
Ethylbenzene	44.7	2.5	50	0	89.4	70.3	122	49.4	10	25.3	
m,p-Xylene	44.2	2.5	50	0	88.4	52.9	136	49.2	11	26.6	
Bromoform	50.5	5	50	0	101	61.5	141	54.4	7.6	25	
Xylenes, Total	89	2.5	100	0	89.0	61	131	98.8	10	25.6	
Styrene	44.6	5	50	0	89.2	74	130	49.8	11	26	
o-Xylene	44.8	2.5	50	0	89.6	67.3	129	49.6	10	25	
1,1,2,2-Tetrachloroethane	42.3	5	50	0	84.7	62.4	153	46.6	9.6	24.6	
1,2,3-Trichloropropane	87.9	10	100	0	87.9	37.4	171	96.6	9.4	50	
Isopropylbenzene	43.3	5	50	0	86.6	63	132	44.8	3.4	33.1	
Bromobenzene	48.5	5	50	0	97.1	65.1	120	49.9	2.7	23.6	
n-Propylbenzene	46	5	50	0	92.0	58.2	128	47.7	3.6	32.4	
4-Chlorotoluene	42.9	5	50	0	85.8	63.9	127	45.2	5.1	29.1	
2-Chlorotoluene	45.3	5	50	0	90.7	63.2	126	48	5.6	28.9	
1,3,5-Trimethylbenzene	47.1	5	50	0	94.1	63.8	138	47.9	1.8	31.9	
tert-Butylbenzene	44.5	5	50	0	89.1	59.7	128	46.4	4.1	36.2	
1,2,4-Trimethylbenzene	45	5	50	0	90.1	65.1	135	46.6	3.3	28.8	
sec-Butylbenzene	46.6	5	50	0	93.1	55.5	128	48.3	3.7	40.9	
1,3-Dichlorobenzene	46.1	5	50	0	92.2	64.5	122	49.1	6.2	28.6	
1,4-Dichlorobenzene	46.8	5	50	0	93.5	63.7	121	49.3	5.2	27.7	
4-Isopropyltoluene	46.5	5	50	0	93.1	58	135	49	5.1	40.4	
1,2-Dichlorobenzene	46.6	5	50	0	93.3	66.7	122	49.7	6.3	24.5	
n-Butylbenzene	46.3	5	50	0	92.6	52.7	139	50.5	8.8	43.5	
1,2-Dibromo-3-chloropropane (DBCP)	200	15	250	0	79.8	59.1	143	221	10	24.9	
1,2,4-Trichlorobenzene	47.1	10	50	0	94.3	47.1	139	49.5	4.8	35	
Naphthalene	38.1	10	50	0	76.2	31.6	164	39.9	4.5	50	
1,2,3-Trichlorobenzene	44.9	10	50	0	89.7	17.7	171	46.4	3.5	57	
Surr: 1,2-Dichloroethane-d4	49.6		50		99.2	69.51	130.49	50	0	0	
Surr: Toluene-d8	50.5		50		101	69.51	130.49	51.4	0	0	
Surr: 4-Bromofluorobenzene	47.5		50		95.0	69.51	130.49	46.1	0	0	

Sample ID: 1911011-02AMS	SampType: MS	TestCode: VOC_W	Units: µg/L
Client ID: GMW-14RMS	Batch ID: A9742	TestNo: SW8260C	
Prep Date: 11/6/2019	RunNo: 8214	SeqNo: 247420	
Analysis Date: 11/6/2019			

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#: 1911011

12-Nov-19

Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: 1911011-02AMS	SampType: MS	TestCode: VOC_W	Units: µg/L
Client ID: GMW-14RMS	Batch ID: A9742	TestNo: SW8260C	
Prep Date: 11/6/2019	RunNo: 8214	SeqNo: 247420	
Analysis Date: 11/6/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	18.7	5	50	0	37.5	5.1	155				
Chloromethane	27.7	10	50	0	55.3	37.7	121				
Vinyl chloride	31.3	5	50	0	62.5	60.4	140				
Chloroethane	39.7	5	50	0	79.4	43.1	206				
Bromomethane	34.9	10	50	0	69.7	12.6	168				
Trichlorofluoromethane	50.9	5	50	0	102	58.6	163				
Acetone	843	50	1000	0	84.3	37.3	152				
1,1-Dichloroethene	45.9	5	50	0	91.8	69.8	158				
Tertiary Butyl Alcohol (TBA)	408	50	500	0	81.6	60.4	158				
Dichloromethane	43.1	10	50	0	86.2	71.7	132				
Freon-113	48.1	5	50	0	96.2	52.1	166				
trans-1,2-Dichloroethene	45.5	5	50	0	90.9	72	136				
Methyl tert-butyl ether (MTBE)	45.9	2.5	50	0	91.8	54.8	155				
1,1-Dichloroethane	44.4	5	50	0	88.8	76.9	140				
2-Butanone (MEK)	904	50	1000	0	90.4	73.7	142				
Di-isopropyl Ether (DIPE)	41.2	5	50	0	82.4	74.8	136				
cis-1,2-Dichloroethene	44.2	5	50	0	88.4	73.9	133				
Bromochloromethane	49.5	5	50	0	99.0	75.8	132				
Chloroform	49.3	5	50	0	98.5	74.3	130				
Ethyl Tertiary Butyl Ether (ETBE)	43.1	5	50	0	86.1	74.8	138				
2,2-Dichloropropane	46.5	5	50	0	93.1	53.9	146				
1,2-Dichloroethane	51.8	5	50	0	104	72.6	144				
1,1,1-Trichloroethane	51	5	50	0	102	70.2	138				
1,1-Dichloropropene	49.3	5	50	0	98.6	69.7	146				
Carbon tetrachloride	54	5	50	0	108	58.2	141				
Benzene	46.1	2.5	50	0	92.1	67.8	140				
Tertiary Amyl Methyl Ether (TAME)	50.7	5	50	0	101	72.3	144				
Dibromomethane	47.9	5	50	0	95.9	75.2	144				
1,2-Dichloropropane	44.9	5	50	0	89.9	75.3	144				
Trichloroethene	50.6	5	50	0	101	65.7	131				
Bromodichloromethane	51.6	5	50	0	103	70.2	141				
4-Methyl-2-pentanone (MIBK)	119	12.5	125	0	95.1	57.9	143				
cis-1,3-Dichloropropene	45.1	5	50	0	90.2	56.9	132				
trans-1,3-Dichloropropene	49.8	5	50	0	99.6	72	131				
1,1,2-Trichloroethane	46.6	5	50	0	93.1	74	130				
Toluene	46.5	2.5	50	0	92.9	67.2	131				
1,3-Dichloropropane	46.5	5	50	0	93.0	74.2	124				
2-Hexanone	470	25	500	0	94.0	66.7	135				
Dibromochloromethane	51.1	5	50	0	102	71.5	134				
1,2-Dibromoethane (EDB)	95.3	10	100	0	95.3	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



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QC SUMMARY REPORT

WO#: 1911011

12-Nov-19

Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: 1911011-02AMS	SampType: MS	TestCode: VOC_W	Units: µg/L
Client ID: GMW-14RMS	Batch ID: A9742	TestNo: SW8260C	
Prep Date: 11/6/2019	RunNo: 8214	SeqNo: 247420	
Analysis Date: 11/6/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	55	5	50	0	110	45.9	138				
1,1,1,2-Tetrachloroethane	49.2	5	50	0	98.4	75.7	125				
Chlorobenzene	50.4	5	50	0	101	73.7	120				
Ethylbenzene	49.4	2.5	50	0	98.8	70.3	122				
m,p-Xylene	49.2	2.5	50	0	98.4	52.9	136				
Bromoform	54.4	5	50	0	109	61.5	141				
Xylenes, Total	98.8	2.5	100	0	98.8	61	131				
Styrene	49.8	5	50	0	99.5	74	130				
o-Xylene	49.6	2.5	50	0	99.3	67.3	129				
1,1,2,2-Tetrachloroethane	46.6	5	50	0	93.2	62.4	153				
1,2,3-Trichloropropane	96.6	10	100	0	96.6	37.4	171				
Isopropylbenzene	44.8	5	50	0	89.6	63	132				
Bromobenzene	49.9	5	50	0	99.8	65.1	120				
n-Propylbenzene	47.7	5	50	0	95.4	58.2	128				
4-Chlorotoluene	45.2	5	50	0	90.3	63.9	127				
2-Chlorotoluene	48	5	50	0	95.9	63.2	126				
1,3,5-Trimethylbenzene	47.9	5	50	0	95.9	63.8	138				
tert-Butylbenzene	46.4	5	50	0	92.8	59.7	128				
1,2,4-Trimethylbenzene	46.6	5	50	0	93.2	65.1	135				
sec-Butylbenzene	48.3	5	50	0	96.7	55.5	128				
1,3-Dichlorobenzene	49.1	5	50	0	98.1	64.5	122				
1,4-Dichlorobenzene	49.3	5	50	0	98.5	63.7	121				
4-Isopropyltoluene	49	5	50	0	97.9	58	135				
1,2-Dichlorobenzene	49.7	5	50	0	99.4	66.7	122				
n-Butylbenzene	50.5	5	50	0	101	52.7	139				
1,2-Dibromo-3-chloropropane (DBCP)	221	15	250	0	88.3	59.1	143				
1,2,4-Trichlorobenzene	49.5	10	50	0	98.9	47.1	139				
Naphthalene	39.9	10	50	0	79.7	31.6	164				
1,2,3-Trichlorobenzene	46.4	10	50	0	92.9	17.7	171				
Surr: 1,2-Dichloroethane-d4	50		50		99.9	69.51	130.49				
Surr: Toluene-d8	51.4		50		103	69.51	130.49				
Surr: 4-Bromofluorobenzene	46.1		50		92.2	69.51	130.49				

Sample ID: MB-9754	SampType: MBLK	TestCode: VOC_W	Units: µg/L
Client ID: PBW	Batch ID: A9754	TestNo: SW8260C	
Prep Date: 11/7/2019	RunNo: 8221	SeqNo: 247684	
Analysis Date: 11/7/2019			

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#: 1911011

12-Nov-19

Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: MB-9754	SampType: MBLK	TestCode: VOC_W	Units: µg/L
Client ID: PBW	Batch ID: A9754	TestNo: SW8260C	
Prep Date: 11/7/2019	RunNo: 8221	SeqNo: 247684	
Analysis Date: 11/7/2019			

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#: 1911011
 12-Nov-19

Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: MB-9754	SampType: MBLK	TestCode: VOC_W	Units: µg/L
Client ID: PBW	Batch ID: A9754	TestNo: SW8260C	
Prep Date: 11/7/2019	RunNo: 8221	SeqNo: 247684	
Analysis Date: 11/7/2019			

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	12		10		120	69.51	130.49				
Surr: Toluene-d8	9.3		10		93.0	69.51	130.49				
Surr: 4-Bromofluorobenzene	11		10		109	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#: 1911011

12-Nov-19

Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: LCS-9754	SampType: LCSD	TestCode: VOC_W	Units: µg/L
Client ID: LCSS02	Batch ID: A9754	TestNo: SW8260C	
Prep Date: 11/7/2019	RunNo: 8221	SeqNo: 247686	
Analysis Date: 11/7/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	4.84	1	10	0	48.4	5.02	179				
Chloromethane	3.89	2	10	0	38.9	30.3	130				
Vinyl chloride	6.09	1	10	0	60.9	60.1	134				
Chloroethane	7.34	1	10	0	73.4	62.3	168				
Bromomethane	7.39	2	10	0	73.9	7.3	151				
Trichlorofluoromethane	9.89	1	10	0	98.9	76.5	148				
Acetone	185	10	200	0	92.3	63.6	118				
1,1-Dichloroethene	9.14	1	10	0	91.4	28.8	209				
Tertiary Butyl Alcohol (TBA)	94.8	10	100	0	94.8	49.5	128.49				
Dichloromethane	8.65	2	10	0	86.5	77	120				
Freon-113	9.82	1	10	0	98.2	64.1	165				
trans-1,2-Dichloroethene	9.15	1	10	0	91.5	79.5	127				
Methyl tert-butyl ether (MTBE)	9.51	0.5	10	0	95.1	69	125				
1,1-Dichloroethane	8.81	1	10	0	88.1	78.6	131				
2-Butanone (MEK)	187	10	200	0	93.7	74.6	126				
Di-isopropyl Ether (DIPE)	8.45	1	10	0	84.5	79.5	121				
cis-1,2-Dichloroethene	8.82	1	10	0	88.2	79.5	122				
Bromochloromethane	9.84	1	10	0	98.4	75.9	125				
Chloroform	9.59	1	10	0	95.9	75	122				
Ethyl Tertiary Butyl Ether (ETBE)	8.84	1	10	0	88.4	75	123				
2,2-Dichloropropane	10.1	1	10	0	101	79.5	142				
1,2-Dichloroethane	10.2	1	10	0	102	74.2	130				
1,1,1-Trichloroethane	9.75	1	10	0	97.5	79.2	128				
1,1-Dichloropropene	9.81	1	10	0	98.1	78	142				
Carbon tetrachloride	10.3	1	10	0	103	79.5	125				
Benzene	9.05	0.5	10	0	90.5	79.5	126				
Tertiary Amyl Methyl Ether (TAME)	9.69	1	10	0	96.9	69.5	128.49				
Dibromomethane	9.76	1	10	0	97.6	79.5	128				
1,2-Dichloropropane	9.08	1	10	0	90.8	78.1	131				
Trichloroethene	10.1	1	10	0	101	79.3	121				
Bromodichloromethane	10.1	1	10	0	101	79.5	122				
4-Methyl-2-pentanone (MIBK)	25.1	2.5	25	0	100	60.8	126				
cis-1,3-Dichloropropene	10.1	1	10	0	101	79.5	123				
trans-1,3-Dichloropropene	10.1	1	10	0	101	77.3	128				
1,1,2-Trichloroethane	9.45	1	10	0	94.5	75.1	122				
Toluene	9	0.5	10	0	90.0	79.7	121				
1,3-Dichloropropane	9.33	1	10	0	93.3	70.6	126				
2-Hexanone	99.5	5	100	0	99.5	58.1	131				
Dibromochloromethane	10.3	1	10	0	103	79.2	127				
1,2-Dibromoethane (EDB)	19.4	2	20	0	96.9	75.2	126				

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#: 1911011

12-Nov-19

Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: LCS-9754	SampType: LCSD	TestCode: VOC_W	Units: µg/L
Client ID: LCSS02	Batch ID: A9754	TestNo: SW8260C	
Prep Date: 11/7/2019	RunNo: 8221	SeqNo: 247686	
Analysis Date: 11/7/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	10.8	1	10	0	108	74.9	121				
1,1,1,2-Tetrachloroethane	9.78	1	10	0	97.8	79.5	123				
Chlorobenzene	9.95	1	10	0	99.5	79.5	119				
Ethylbenzene	9.84	0.5	10	0	98.4	79.5	120				
m,p-Xylene	9.77	0.5	10	0	97.7	79.5	122				
Bromoform	11.2	1	10	0	112	68.8	129				
Xylenes, Total	19.7	0.5	20	0	98.6	79.5	122				
Styrene	10.1	1	10	0	101	79.5	129				
o-Xylene	9.95	0.5	10	0	99.5	79.1	123				
1,1,2,2-Tetrachloroethane	9.65	1	10	0	96.5	73.8	135				
1,2,3-Trichloropropane	20.1	2	20	0	101	74.3	133				
Isopropylbenzene	9	1	10	0	90.0	72.1	133				
Bromobenzene	10.1	1	10	0	101	73.4	120				
n-Propylbenzene	9.4	1	10	0	94.0	76.3	129				
4-Chlorotoluene	9.01	1	10	0	90.1	79.5	124				
2-Chlorotoluene	9.42	1	10	0	94.2	79.5	123				
1,3,5-Trimethylbenzene	9.54	1	10	0	95.4	79.4	136				
tert-Butylbenzene	9.31	1	10	0	93.1	71.5	131				
1,2,4-Trimethylbenzene	9.3	1	10	0	93.0	79.5	132				
sec-Butylbenzene	9.68	1	10	0	96.8	65.7	135				
1,3-Dichlorobenzene	9.7	1	10	0	97.0	79.5	120				
1,4-Dichlorobenzene	9.91	1	10	0	99.1	79.5	119				
4-Isopropyltoluene	9.78	1	10	0	97.8	69.5	141				
1,2-Dichlorobenzene	9.92	1	10	0	99.2	75.7	121				
n-Butylbenzene	10.1	1	10	0	101	60.6	150				
1,2-Dibromo-3-chloropropane (DBCP)	45.7	3	50	0	91.3	60	130				
1,2,4-Trichlorobenzene	10.4	2	10	0	104	42.2	141				
Naphthalene	8.8	2	10	0	88.0	22.7	139				
1,2,3-Trichlorobenzene	9.88	2	10	0	98.8	17.8	156				
Surr: 1,2-Dichloroethane-d4	9.85		10		98.5	69.51	130.49				
Surr: Toluene-d8	10.2		10		102	69.51	130.49				
Surr: 4-Bromofluorobenzene	9.41		10		94.1	69.51	130.49				

Sample ID: 1911011-15AMSD	SampType: MSD	TestCode: VOC_W	Units: µg/L
Client ID: WCW-13MSD	Batch ID: A9754	TestNo: SW8260C	
Prep Date: 11/7/2019	RunNo: 8221	SeqNo: 247709	
Analysis Date: 11/7/2019			

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#: 1911011

12-Nov-19

Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: 1911011-15AMSD	SampType: MSD	TestCode: VOC_W	Units: µg/L
Client ID: WCW-13MSD	Batch ID: A9754	TestNo: SW8260C	
Prep Date: 11/7/2019	RunNo: 8221	SeqNo: 247709	
Analysis Date: 11/7/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	30.7	5	50	0	61.3	5.1	155	21.3	36	38	
Chloromethane	37.4	10	50	0	74.7	37.7	121	33.1	12	22.5	
Vinyl chloride	39.1	5	50	0	78.2	60.4	140	34.5	13	23.9	
Chloroethane	36.2	5	50	0	72.4	43.1	206	38.5	6	22.9	
Bromomethane	48.8	10	50	0	97.7	12.6	168	34.7	34	48	
Trichlorofluoromethane	53.3	5	50	0	107	58.6	163	50.5	5.3	33.3	
Acetone	877	50	1000	5.6	87.2	37.3	152	833	5.1	50	
1,1-Dichloroethene	47.8	5	50	0	95.5	69.8	158	45.2	5.5	21.7	
Tertiary Butyl Alcohol (TBA)	429	50	500	0	85.8	60.4	158	377	13	26.8	
Dichloromethane	43	10	50	0	86.1	71.7	132	41.3	4.1	20	
Freon-113	50.5	5	50	0	101	52.1	166	48.3	4.5	25.9	
trans-1,2-Dichloroethene	45.9	5	50	0	91.7	72	136	43.2	6	19.2	
Methyl tert-butyl ether (MTBE)	43.8	2.5	50	0	87.6	54.8	155	41.4	5.5	21.4	
1,1-Dichloroethane	45.5	5	50	0	91.1	76.9	140	42.9	5.9	18	
2-Butanone (MEK)	874	50	1000	0	87.4	73.7	142	850	2.8	20.9	
Di-isopropyl Ether (DIPE)	42.6	5	50	0	85.1	74.8	136	40.1	5.8	18.2	
cis-1,2-Dichloroethene	43.9	5	50	0	87.9	73.9	133	42	4.4	20.1	
Bromochloromethane	49.4	5	50	0	98.9	75.8	132	47.5	4	23.5	
Chloroform	49.3	5	50	0	98.6	74.3	130	47.8	3.2	18	
Ethyl Tertiary Butyl Ether (ETBE)	42.9	5	50	0	85.7	74.8	138	40.2	6.5	20.3	
2,2-Dichloropropane	44.2	5	50	0	88.4	53.9	146	41.9	5.3	52.3	
1,2-Dichloroethane	50.5	5	50	0	101	72.6	144	49.2	2.6	17.1	
1,1,1-Trichloroethane	51.1	5	50	0	102	70.2	138	49.2	3.8	22.2	
1,1-Dichloropropene	49.8	5	50	0	99.6	69.7	146	48.1	3.4	29.6	
Carbon tetrachloride	55.2	5	50	0	110	58.2	141	52.4	5.4	31.9	
Benzene	47.2	2.5	50	0	94.4	67.8	140	44.8	5.3	18.1	
Tertiary Amyl Methyl Ether (TAME)	49.9	5	50	0	99.9	72.3	144	48.2	3.6	20.6	
Dibromomethane	48.6	5	50	0	97.3	75.2	144	45.7	6.2	19.5	
1,2-Dichloropropane	46.3	5	50	0	92.5	75.3	144	43.9	5.2	19.7	
Trichloroethene	50	5	50	0	99.9	65.7	131	48	4.1	25.3	
Bromodichloromethane	51.6	5	50	0	103	70.2	141	49.9	3.3	20.5	
4-Methyl-2-pentanone (MIBK)	121	12.5	125	0	97.0	57.9	143	111	8.9	21.3	
cis-1,3-Dichloropropene	45.3	5	50	0	90.6	56.9	132	42.8	5.8	25.8	
trans-1,3-Dichloropropene	48.9	5	50	0	97.8	72	131	47.7	2.5	26.4	
1,1,2-Trichloroethane	45.2	5	50	0	90.4	74	130	44.6	1.4	21.9	
Toluene	45.7	2.5	50	0	91.3	67.2	131	45.9	0.61	18.3	
1,3-Dichloropropane	43.1	5	50	0	86.2	74.2	124	42.6	1.1	21.7	
2-Hexanone	447	25	500	0	89.4	66.7	135	442	1	20.9	
Dibromochloromethane	48.6	5	50	0	97.1	71.5	134	48.7	0.23	24.1	
1,2-Dibromoethane (EDB)	87.8	10	100	0	87.8	74.7	129	88.6	0.94	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#: 1911011

12-Nov-19

Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: 1911011-15AMSD	SampType: MSD	TestCode: VOC_W	Units: µg/L
Client ID: WCW-13MSD	Batch ID: A9754	TestNo: SW8260C	
Prep Date: 11/7/2019	RunNo: 8221	SeqNo: 247709	
Analysis Date: 11/7/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	52.8	5	50	0	106	45.9	138	53.5	1.3	30.9	
1,1,1,2-Tetrachloroethane	49.1	5	50	0	98.2	75.7	125	49.4	0.67	22.6	
Chlorobenzene	49.8	5	50	0	99.6	73.7	120	49.9	0.28	23.1	
Ethylbenzene	49.6	2.5	50	0	99.2	70.3	122	48.6	2.1	25.3	
m,p-Xylene	49.1	2.5	50	0	98.3	52.9	136	49.2	0.14	26.6	
Bromoform	51.2	5	50	0	102	61.5	141	51.4	0.27	25	
Xylenes, Total	99.5	2.5	100	0	99.5	61	131	98.6	0.86	25.6	
Styrene	49	5	50	0	98.0	74	130	47.9	2.3	26	
o-Xylene	50.3	2.5	50	0	101	67.3	129	49.4	1.8	25	
1,1,2,2-Tetrachloroethane	45.3	5	50	0	90.7	62.4	153	45.1	0.42	24.6	
1,2,3-Trichloropropane	96	10	100	0	96.0	37.4	171	94.5	1.5	50	
Isopropylbenzene	45.3	5	50	0	90.5	63	132	42.8	5.5	33.1	
Bromobenzene	51.8	5	50	0	104	65.1	120	49.8	4	23.6	
n-Propylbenzene	47	5	50	0	94.0	58.2	128	44.6	5.3	32.4	
4-Chlorotoluene	45.9	5	50	0	91.8	63.9	127	44.6	2.8	29.1	
2-Chlorotoluene	48	5	50	0	96.1	63.2	126	46.7	2.8	28.9	
1,3,5-Trimethylbenzene	47.7	5	50	0	95.5	63.8	138	45.8	4.1	31.9	
tert-Butylbenzene	43.9	5	50	0	87.7	59.7	128	42.5	3.1	36.2	
1,2,4-Trimethylbenzene	45.5	5	50	0	91.1	65.1	135	43.7	4.2	28.8	
sec-Butylbenzene	43.5	5	50	0	87.0	55.5	128	41.2	5.4	40.9	
1,3-Dichlorobenzene	49	5	50	0	98.1	64.5	122	46.9	4.4	28.6	
1,4-Dichlorobenzene	49.6	5	50	0	99.1	63.7	121	46.9	5.6	27.7	
4-Isopropyltoluene	44.3	5	50	0	88.7	58	135	42	5.4	40.4	
1,2-Dichlorobenzene	48.9	5	50	0	97.8	66.7	122	47.4	3.2	24.5	
n-Butylbenzene	42.7	5	50	0	85.3	52.7	139	40.4	5.6	43.5	
1,2-Dibromo-3-chloropropane (DBCP)	213	15	250	0	85.3	59.1	143	225	5.2	24.9	
1,2,4-Trichlorobenzene	46.8	10	50	0	93.6	47.1	139	44.5	5	35	
Naphthalene	39.8	10	50	0	79.7	31.6	164	38.1	4.5	50	
1,2,3-Trichlorobenzene	45.3	10	50	0	90.7	17.7	171	44	3	57	
Surr: 1,2-Dichloroethane-d4	48.7		50		97.5	69.51	130.49	49.1	0	0	
Surr: Toluene-d8	50		50		99.9	69.51	130.49	52.1	0	0	
Surr: 4-Bromofluorobenzene	47.3		50		94.5	69.51	130.49	45.2	0	0	

Sample ID: 1911011-15AMS	SampType: MS	TestCode: VOC_W	Units: µg/L
Client ID: WCW-13MS	Batch ID: A9754	TestNo: SW8260C	
Prep Date: 11/7/2019	RunNo: 8221	SeqNo: 247708	
Analysis Date: 11/7/2019			

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#: 1911011

12-Nov-19

Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: 1911011-15AMS	SampType: MS	TestCode: VOC_W	Units: µg/L
Client ID: WCW-13MS	Batch ID: A9754	TestNo: SW8260C	
Prep Date: 11/7/2019	RunNo: 8221	SeqNo: 247708	
Analysis Date: 11/7/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	21.3	5	50	0	42.7	5.1	155				
Chloromethane	33.1	10	50	0	66.2	37.7	121				
Vinyl chloride	34.5	5	50	0	68.9	60.4	140				
Chloroethane	38.5	5	50	0	76.9	43.1	206				
Bromomethane	34.7	10	50	0	69.3	12.6	168				
Trichlorofluoromethane	50.5	5	50	0	101	58.6	163				
Acetone	833	50	1000	5.6	82.8	37.3	152				
1,1-Dichloroethene	45.2	5	50	0	90.4	69.8	158				
Tertiary Butyl Alcohol (TBA)	377	50	500	0	75.3	60.4	158				
Dichloromethane	41.3	10	50	0	82.6	71.7	132				
Freon-113	48.3	5	50	0	96.6	52.1	166				
trans-1,2-Dichloroethene	43.2	5	50	0	86.3	72	136				
Methyl tert-butyl ether (MTBE)	41.4	2.5	50	0	82.9	54.8	155				
1,1-Dichloroethane	42.9	5	50	0	85.8	76.9	140				
2-Butanone (MEK)	850	50	1000	0	85.0	73.7	142				
Di-isopropyl Ether (DIPE)	40.1	5	50	0	80.3	74.8	136				
cis-1,2-Dichloroethene	42	5	50	0	84.1	73.9	133				
Bromochloromethane	47.5	5	50	0	95.0	75.8	132				
Chloroform	47.8	5	50	0	95.5	74.3	130				
Ethyl Tertiary Butyl Ether (ETBE)	40.2	5	50	0	80.3	74.8	138				
2,2-Dichloropropane	41.9	5	50	0	83.8	53.9	146				
1,2-Dichloroethane	49.2	5	50	0	98.3	72.6	144				
1,1,1-Trichloroethane	49.2	5	50	0	98.3	70.2	138				
1,1-Dichloropropene	48.1	5	50	0	96.3	69.7	146				
Carbon tetrachloride	52.4	5	50	0	105	58.2	141				
Benzene	44.8	2.5	50	0	89.5	67.8	140				
Tertiary Amyl Methyl Ether (TAME)	48.2	5	50	0	96.3	72.3	144				
Dibromomethane	45.7	5	50	0	91.4	75.2	144				
1,2-Dichloropropane	43.9	5	50	0	87.8	75.3	144				
Trichloroethene	48	5	50	0	95.9	65.7	131				
Bromodichloromethane	49.9	5	50	0	99.8	70.2	141				
4-Methyl-2-pentanone (MIBK)	111	12.5	125	0	88.7	57.9	143				
cis-1,3-Dichloropropene	42.8	5	50	0	85.6	56.9	132				
trans-1,3-Dichloropropene	47.7	5	50	0	95.4	72	131				
1,1,2-Trichloroethane	44.6	5	50	0	89.1	74	130				
Toluene	45.9	2.5	50	0	91.9	67.2	131				
1,3-Dichloropropane	42.6	5	50	0	85.3	74.2	124				
2-Hexanone	442	25	500	0	88.5	66.7	135				
Dibromochloromethane	48.7	5	50	0	97.3	71.5	134				
1,2-Dibromoethane (EDB)	88.6	10	100	0	88.6	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#: 1911011

12-Nov-19

Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: 1911011-15AMS	SampType: MS	TestCode: VOC_W	Units: µg/L
Client ID: WCW-13MS	Batch ID: A9754	TestNo: SW8260C	
Prep Date: 11/7/2019	RunNo: 8221	SeqNo: 247708	
Analysis Date: 11/7/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	53.5	5	50	0	107	45.9	138				
1,1,1,2-Tetrachloroethane	49.4	5	50	0	98.9	75.7	125				
Chlorobenzene	49.9	5	50	0	99.8	73.7	120				
Ethylbenzene	48.6	2.5	50	0	97.2	70.3	122				
m,p-Xylene	49.2	2.5	50	0	98.4	52.9	136				
Bromoform	51.4	5	50	0	103	61.5	141				
Xylenes, Total	98.6	2.5	100	0	98.6	61	131				
Styrene	47.9	5	50	0	95.8	74	130				
o-Xylene	49.4	2.5	50	0	98.8	67.3	129				
1,1,2,2-Tetrachloroethane	45.1	5	50	0	90.3	62.4	153				
1,2,3-Trichloropropane	94.5	10	100	0	94.5	37.4	171				
Isopropylbenzene	42.8	5	50	0	85.7	63	132				
Bromobenzene	49.8	5	50	0	99.5	65.1	120				
n-Propylbenzene	44.6	5	50	0	89.1	58.2	128				
4-Chlorotoluene	44.6	5	50	0	89.3	63.9	127				
2-Chlorotoluene	46.7	5	50	0	93.4	63.2	126				
1,3,5-Trimethylbenzene	45.8	5	50	0	91.6	63.8	138				
tert-Butylbenzene	42.5	5	50	0	85.0	59.7	128				
1,2,4-Trimethylbenzene	43.7	5	50	0	87.3	65.1	135				
sec-Butylbenzene	41.2	5	50	0	82.4	55.5	128				
1,3-Dichlorobenzene	46.9	5	50	0	93.9	64.5	122				
1,4-Dichlorobenzene	46.9	5	50	0	93.8	63.7	121				
4-Isopropyltoluene	42	5	50	0	84.0	58	135				
1,2-Dichlorobenzene	47.4	5	50	0	94.7	66.7	122				
n-Butylbenzene	40.4	5	50	0	80.7	52.7	139				
1,2-Dibromo-3-chloropropane (DBCP)	225	15	250	0	89.8	59.1	143				
1,2,4-Trichlorobenzene	44.5	10	50	0	89.1	47.1	139				
Naphthalene	38.1	10	50	0	76.1	31.6	164				
1,2,3-Trichlorobenzene	44	10	50	0	88.0	17.7	171				
Surr: 1,2-Dichloroethane-d4	49.1		50		98.2	69.51	130.49				
Surr: Toluene-d8	52.1		50		104	69.51	130.49				
Surr: 4-Bromofluorobenzene	45.2		50		90.3	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#: 1911011
Date: 11/12/2019

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
Eric Davis
Vladimir Carino

WORKORDER SUMMARY

CA

WorkOrder: CHH1911011
Report Due By: 12-Nov-19
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: 01-Nov-19

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		
CHH1911011-01	MW-15R	AQ	10/30/2019 8:06:00 AM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911011-02	GMW-14R	AQ	10/30/2019 8:40:00 AM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911011-03	GMW-13	AQ	10/30/2019 9:35:00 AM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911011-04	GMW-4R	AQ	10/30/2019 10:06:00 AM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911011-05	MW-9	AQ	10/30/2019 11:16:00 AM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911011-06	EXP-5	AQ	10/30/2019 11:16:00 AM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911011-07	GMW-O-2	AQ	10/30/2019 3:35:00 PM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911011-08	GMW-O-3	AQ	10/30/2019 3:05:00 PM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911011-09	GMW-O-4	AQ	10/30/2019 2:05:00 PM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911011-10	GMW-O-5	AQ	10/30/2019 1:20:00 PM	6	0	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] Signature EHenandez Print Name EHenandez Company Alpha Analytical, Inc. Date/Time 11.19.19 10:32

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		
CHH1911011-11	GMW-O-17	AQ	10/30/2019 12:45:00 PM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911011-12	MW-21(MID)	AQ	10/30/2019 7:55:00 AM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911011-13	HL-3	AQ	10/30/2019 8:33:00 AM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911011-14	EXP-4	AQ	10/30/2019 9:20:00 AM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911011-15	WCW-13	AQ	10/30/2019 10:00:00 AM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911011-16	WCW-12	AQ	10/30/2019 10:38:00 AM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911011-17	WCW-14	AQ	10/30/2019 11:25:00 AM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911011-18	WCW-4	AQ	10/30/2019 12:45:00 PM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911011-19	WCW-3	AQ	10/30/2019 1:26:00 PM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911011-20	WCW-2	AQ	10/30/2019 2:05:00 PM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911011-21	WCW-6	AQ	10/30/2019 2:49:00 PM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911011-22	PZ-2	AQ	10/30/2019 3:32:00 PM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911011-23	DUP-1	AQ	10/30/2019	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911011-24	DUP-6	AQ	10/30/2019	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911011-25	EB-3	AQ	10/30/2019 3:45:00 PM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911011-26	EB-4	AQ	10/30/2019 3:45:00 PM	6	0	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: Edwanda **Signature** Edwanda **Print Name** Edwanda **Company** Alpha Analytical, Inc. **Date/Time** 11.19.10:32

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 **West America** COC 1 of 3

Billing Information:
Kinder Morgan
1100 Town and Country Rd.
Orange CA 95112.

CHAIN OF CUSTODY

CLIENT Kinder Morgan

SITE DFSP Norwalk

15306 Norwalk Blvd, Norwalk

Report to:
Eric Davis
Jacobs
2600 Michelson Drive
Suite 500
Irvine, CA 92612

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS		TPHg, TPHd (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)	CONDUCT ANALYSIS TO DETECT	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
				#	Preservation Type							
MW-15h	10-30-19	0806	AQ	6	HCL	NOA	X				CH1911011-01	01
GMW-14h		0840	AQ	6			X					02
GMW-13		0935	AQ	6			X					03
GMW-11h		1006	AQ	6			X					04
MW-9		1035	AQ	6			X					05
EXP-5		1118	AQ	6			X					06
GMW-0-2		1535	AQ	6			X					07
GMW-0-3		1505	AQ	6			X					08
GMW-0-4		1405	AQ	6			X					09
GMW-0-5		1320	AQ	6			X					10

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN	RECEIVED BY	TIME	DATE	TIME
RELEASED BY	10-30-19	16:00	Christine Grant	Standard	Nicole	1630	10/30/19	1630
RELEASED BY					FEDEX	1500	10/31/19	1500
RELEASED BY					FEDEX		11-1-19	10:32
SHIPPED VIA								

BLAINE
 TECH SERVICES, INC.
 1680 ROGERS AVENUE
 SAN JOSE, CALIFORNIA 95112-1105
 FAX (408) 573-7771
 PHONE (408) 573-0555

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
 Kinder Morgan Norwalk
 Report to:
 Eric Davis
 Jacobs
 2600 Michelson Drive
 Suite 500
 Irvine, CA 92612

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS		TPHg, TPHd (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
				#	Preservation Type						
GMW-017	10/30/19	1245	AQ	6	HCL	X	X				CH1911011
MW-21 (MSP)	10/30/19	0755	AQ	6	HCL	X	X				12
HC-3	10/30/19	0833	AQ	6	HCL	X	X				13
EXP-4	10/30/19	0920	AQ	6	HCL	X	X				14
WCW-13	10/30/19	1000	AQ	6	HCL	X	X				15
WCW-12	10/30/19	1038	AQ	6	HCL	X	X				16
WCW-14	10/30/19	1125	AQ	6	HCL	X	X				17
WCW-4	10/30/19	1245	AQ	6	HCL	X	X				18
WCW-3	10/30/19	1326	AQ	6	HCL	X	X				19
WCW-2	10/30/19	1405	AQ	6	HCL	X	X				20

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RECEIVED BY	TIME	DATE	TIME
RELEASED BY:	10/30/19	1630	Stamett Corning, Brian Norwine	Nicole	1630	10/30/19	1630
RELEASED BY:		1500		FEDEx	1500	10/31/19	1500
RELEASED BY:				Expenditure		11.19	10:30
SHIPPED VIA							

1680 ROGERS AVENUE
 SAN JOSE, CALIFORNIA 95112-1105
 FAX (408) 573-7771
 PHONE (408) 573-0555

BLAINE
 TECH SERVICES, INC.

LAB **TestAmerica** COC 3 of 3
 Billing Information:
 Kinder Morgan
 1100 Town and Country Rd.
 Orange CA 95112

CHAIN OF CUSTODY
 CLIENT **Kinder Morgan**
 SITE **DFSP Norwalk**
 15306 Norwalk Blvd, Norwalk

Kindergarten Norwalk
 Report to:
 Eric Davis
 Jacobs
 2600 Michelson Drive
 Suite 500
 Irvine, CA 92612

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS		TPHg, TPHd (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)	CONDUCT ANALYSIS TO DETECT	LAB	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
				#	Preservation								
wcw-6	10/30/19	1449	AQ	6	HCL	VOA	X						CHH1911011-21
P2-2	10/30/19	1532	AQ	6	HCL	VOA	X						22
DUP-1	10/30/19		AQ	6	HCL	VOA	X						23
DUP-6	10/30/19		AQ	6	HCL	VOA	X						24
EB-3	10/30/19	1545	AQ	6	HCL	VOA	X						25
EB-4	10/30/19	1545	AQ	6	HCL	VOA	X						26

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN	RECEIVED BY	TIME	DATE	TIME
	10/30/19	1620	Jessie Gaur	Standard	Brian Martinez	1630	10/30/19	1630
RELEASED BY								
RELEASED BY								
RELEASED BY								
SHIPPED VIA								



Alpha Analytical, Inc.
255 Glendale Ave, #21
Sparks, Nevada 89431
TEL: (775) 355-1044 FAX: (775) 355-0406
Website: www.alpha-analytical.com

November 13, 2019

Eric Davis

1000 Wilshire Boulevard
Los Angeles, CA 90017
TEL:
FAX

RE: DFSP Norwalk
The result of this report apply to the sample(s) as received.

Dear Eric Davis:

Order No.: CHH1911038

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 black ink that reads "Roger Scholl". The signature is written in a cursive, flowing style.

Roger Scholl
Laboratory Director
255 Glendale Ave, #21
Sparks, Nevada 89431



Alpha Analytical, Inc.

(775) 355-1044 / (775) 355-0406 FAX / 1-800-283-1183
255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911038

Report Date: 11/13/2019

CLIENT:**Collection Date:** 10/31/2019 8:20:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911038-01**Matrix:** AQUEOUS**Client Sample ID** MW-8

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	11/11/2019	TPH-E by EPA 8015C
Surr: Nonane	101	63-125		%Rec	11/11/2019	TPH-E by EPA 8015C
TPH-P (GRO)	1.2	0.050		mg/L	11/11/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	94	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	92	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	128	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Acetone	160	10		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/11/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/11/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/11/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/11/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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Analytical Report

WO#: CHH1911038

Report Date: 11/13/2019

CLIENT:**Collection Date:** 10/31/2019 8:20:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911038-01**Matrix:** AQUEOUS**Client Sample ID** MW-8

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	94	70-130		%Rec	11/11/2019	VOCs by EPA 8260C
Surr: Toluene-d8	92	70-130		%Rec	11/11/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	128	70-130		%Rec	11/11/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911038

Report Date: 11/13/2019

CLIENT:**Collection Date:** 10/31/2019 9:20:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911038-02**Matrix:** AQUEOUS**Client Sample ID** GMW-O-19

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	0.11	0.050	LC	mg/L	11/11/2019	TPH-E by EPA 8015C
Surr: Nonane	105	63-125		%Rec	11/11/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/11/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	89	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	96	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/11/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/11/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/11/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/11/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911038

Report Date: 11/13/2019

CLIENT:**Collection Date:** 10/31/2019 9:20:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911038-02**Matrix:** AQUEOUS**Client Sample ID** GMW-O-19

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	89	70-130		%Rec	11/11/2019	VOCs by EPA 8260C
Surr: Toluene-d8	96	70-130		%Rec	11/11/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	11/11/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911038

Report Date: 11/13/2019

CLIENT:**Collection Date:** 10/31/2019 10:20:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911038-03**Matrix:** AQUEOUS**Client Sample ID** GMW-O-16

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	11/11/2019	TPH-E by EPA 8015C
Surr: Nonane	108	63-125		%Rec	11/11/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/11/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	89	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	102	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	112	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/11/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/11/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	1.0	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/11/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/11/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911038

Report Date: 11/13/2019

CLIENT:

Collection Date: 10/31/2019 10:20:00 AM

Project: DFSP Norwalk

Lab ID: 1911038-03

Matrix: AQUEOUS

Client Sample ID GMW-O-16

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	89	70-130		%Rec	11/11/2019	VOCs by EPA 8260C
Surr: Toluene-d8	102	70-130		%Rec	11/11/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	112	70-130		%Rec	11/11/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911038

Report Date: 11/13/2019

CLIENT:**Collection Date:** 10/31/2019 11:07:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911038-04**Matrix:** AQUEOUS**Client Sample ID** GMW-O-15

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	6.7	0.050	K	mg/L	11/11/2019	TPH-E by EPA 8015C
Surr: Nonane	125	63-125		%Rec	11/11/2019	TPH-E by EPA 8015C
TPH-P (GRO)	4.4	0.80		mg/L	11/11/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	89	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	99	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chloromethane	ND	32		µg/L	11/11/2019	VOCs by EPA 8260C
Vinyl chloride	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chloroethane	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromomethane	ND	32		µg/L	11/11/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Acetone	ND	160		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	5,900	80		µg/L	11/11/2019	VOCs by EPA 8260C
Dichloromethane	ND	32		µg/L	11/11/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Carbon disulfide	ND	40		µg/L	11/11/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	530	4.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
Vinyl acetate	ND	800		µg/L	11/11/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	160		µg/L	11/11/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromochloromethane	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chloroform	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
Benzene	470	4.0		µg/L	11/11/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	18	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
Dibromomethane	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
Trichloroethene	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	40		µg/L	11/11/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
Toluene	5.0	4.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
2-Hexanone	ND	80		µg/L	11/11/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	32		µg/L	11/11/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911038

Report Date: 11/13/2019

CLIENT:**Collection Date:** 10/31/2019 11:07:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911038-04**Matrix:** AQUEOUS**Client Sample ID** GMW-O-15

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chlorobenzene	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
Ethylbenzene	35	4.0		µg/L	11/11/2019	VOCs by EPA 8260C
m,p-Xylene	340	4.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromoform	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
Xylenes, Total	470	4.0		µg/L	11/11/2019	VOCs by EPA 8260C
Styrene	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
o-Xylene	130	4.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	32		µg/L	11/11/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromobenzene	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	90	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	150	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	48		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	32		µg/L	11/11/2019	VOCs by EPA 8260C
Naphthalene	47	32		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	32		µg/L	11/11/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	89	70-130		%Rec	11/11/2019	VOCs by EPA 8260C
Surr: Toluene-d8	99	70-130		%Rec	11/11/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	11/11/2019	VOCs by EPA 8260C

NOTES:

Reporting Limits were increased due to high concentrations of target analytes.



Alpha Analytical, Inc.

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Analytical Report

WO#: CHH1911038

Report Date: 11/13/2019

CLIENT:**Collection Date:** 10/31/2019 1:50:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911038-05**Matrix:** AQUEOUS**Client Sample ID** GMW-O-18

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	10	0.050	K	mg/L	11/11/2019	TPH-E by EPA 8015C
Surr: Nonane	123	63-125		%Rec	11/11/2019	TPH-E by EPA 8015C
TPH-P (GRO)	5.9	0.50		mg/L	11/13/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	86	70-130		%Rec	11/13/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	99	70-130		%Rec	11/13/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	11/13/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
Chloromethane	ND	20		µg/L	11/13/2019	VOCs by EPA 8260C
Vinyl chloride	ND	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
Chloroethane	ND	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
Bromomethane	ND	20		µg/L	11/13/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/13/2019	VOCs by EPA 8260C
Acetone	110	100		µg/L	11/13/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	3,400	50		µg/L	11/13/2019	VOCs by EPA 8260C
Dichloromethane	ND	20		µg/L	11/13/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/13/2019	VOCs by EPA 8260C
Carbon disulfide	ND	25		µg/L	11/13/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	12	2.5		µg/L	11/13/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
Vinyl acetate	ND	500		µg/L	11/13/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
Bromochloromethane	ND	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
Chloroform	ND	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
Benzene	39	2.5		µg/L	11/13/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
Dibromomethane	ND	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
Trichloroethene	ND	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	25		µg/L	11/13/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
Toluene	ND	2.5		µg/L	11/13/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
2-Hexanone	ND	50		µg/L	11/13/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	20		µg/L	11/13/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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Analytical Report

WO#: CHH1911038

Report Date: 11/13/2019

CLIENT:**Collection Date:** 10/31/2019 1:50:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911038-05**Matrix:** AQUEOUS**Client Sample ID** GMW-O-18

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
Chlorobenzene	ND	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
Ethylbenzene	300	2.5		µg/L	11/13/2019	VOCs by EPA 8260C
m,p-Xylene	21	2.5		µg/L	11/13/2019	VOCs by EPA 8260C
Bromoform	ND	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
Xylenes, Total	26	2.5		µg/L	11/13/2019	VOCs by EPA 8260C
Styrene	ND	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
o-Xylene	5.2	2.5		µg/L	11/13/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	20		µg/L	11/13/2019	VOCs by EPA 8260C
Isopropylbenzene	20	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
Bromobenzene	ND	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
n-Propylbenzene	50	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	8.4	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	800	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
sec-Butylbenzene	10	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
4-Isopropyltoluene	5.9	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
n-Butylbenzene	10	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	30		µg/L	11/13/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	20		µg/L	11/13/2019	VOCs by EPA 8260C
Naphthalene	68	20		µg/L	11/13/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	20		µg/L	11/13/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	86	70-130		%Rec	11/13/2019	VOCs by EPA 8260C
Surr: Toluene-d8	99	70-130		%Rec	11/13/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	11/13/2019	VOCs by EPA 8260C

NOTES:

Reporting Limits were increased due to high concentrations of target analytes.



Alpha Analytical, Inc.

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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911038

Report Date: 11/13/2019

CLIENT:**Collection Date:** 10/31/2019 2:33:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911038-06**Matrix:** AQUEOUS**Client Sample ID** PZ-5

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	0.42	0.050		mg/L	11/11/2019	TPH-E by EPA 8015C
Surr: Nonane	101	63-125		%Rec	11/11/2019	TPH-E by EPA 8015C
TPH-P (GRO)	1.2	0.10		mg/L	11/11/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	88	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	101	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	120	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chloromethane	ND	4.0		µg/L	11/11/2019	VOCs by EPA 8260C
Vinyl chloride	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromomethane	ND	4.0		µg/L	11/11/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Acetone	ND	20		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	47,000	400	*	µg/L	11/11/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/11/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Carbon disulfide	ND	5.0		µg/L	11/11/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	3.4	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Vinyl acetate	ND	100		µg/L	11/11/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	20		µg/L	11/11/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	2.5	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
2-Hexanone	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	4.0		µg/L	11/11/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911038

Report Date: 11/13/2019

CLIENT:**Collection Date:** 10/31/2019 2:33:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911038-06**Matrix:** AQUEOUS**Client Sample ID** PZ-5

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	4.0		µg/L	11/11/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	1.1	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	6.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	4.0		µg/L	11/11/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	4.0		µg/L	11/11/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	88	70-130		%Rec	11/11/2019	VOCs by EPA 8260C
Surr: Toluene-d8	101	70-130		%Rec	11/11/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	120	70-130		%Rec	11/11/2019	VOCs by EPA 8260C

NOTES:

*Sample was analyzed a second time in order to achieve better reporting limits for the other analytes.
Some Reporting Limits were increased due to sample foaming.



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Analytical Report

WO#: CHH1911038

Report Date: 11/13/2019

CLIENT:**Collection Date:** 10/31/2019**Project:** DFSP Norwalk**Lab ID:** 1911038-07**Matrix:** AQUEOUS**Client Sample ID** DUP-5

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	0.19	0.050		mg/L	11/11/2019	TPH-E by EPA 8015C
Surr: Nonane	96	63-125		%Rec	11/11/2019	TPH-E by EPA 8015C
TPH-P (GRO)	1.2	0.10		mg/L	11/12/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	89	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	102	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Chloromethane	ND	4.0		µg/L	11/12/2019	VOCs by EPA 8260C
Vinyl chloride	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromomethane	ND	4.0		µg/L	11/12/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Acetone	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	54,000	400	*	µg/L	11/11/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/12/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Carbon disulfide	ND	5.0		µg/L	11/12/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	3.3	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Vinyl acetate	ND	100		µg/L	11/12/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	2.3	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Benzene	0.52	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
2-Hexanone	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	4.0		µg/L	11/12/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911038

Report Date: 11/13/2019

CLIENT:

Collection Date: 10/31/2019

Project: DFSP Norwalk

Lab ID: 1911038-07

Matrix: AQUEOUS

Client Sample ID DUP-5

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	4.0		µg/L	11/12/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	6.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	4.0		µg/L	11/12/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	4.0		µg/L	11/12/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	89	70-130		%Rec	11/12/2019	VOCs by EPA 8260C
Surr: Toluene-d8	102	70-130		%Rec	11/12/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	11/12/2019	VOCs by EPA 8260C

NOTES:

*Sample was analyzed a second time in order to achieve better reporting limits for the other analytes.
 Some Reporting Limits were increased due to sample foaming.



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Analytical Report

WO#: CHH1911038

Report Date: 11/13/2019

CLIENT:**Collection Date:** 10/31/2019 8:58:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911038-08**Matrix:** AQUEOUS**Client Sample ID** MW-SF-4

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	0.64	0.050		mg/L	11/11/2019	TPH-E by EPA 8015C
Surr: Nonane	97	63-125		%Rec	11/11/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/11/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	90	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	105	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	112	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/11/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/11/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/11/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/11/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911038

Report Date: 11/13/2019

CLIENT:**Collection Date:** 10/31/2019 8:58:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911038-08**Matrix:** AQUEOUS**Client Sample ID** MW-SF-4

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	90	70-130		%Rec	11/11/2019	VOCs by EPA 8260C
Surr: Toluene-d8	105	70-130		%Rec	11/11/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	112	70-130		%Rec	11/11/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911038

Report Date: 11/13/2019

CLIENT:**Collection Date:** 10/31/2019 3:04:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911038-09**Matrix:** AQUEOUS**Client Sample ID** PW-3

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	11/12/2019	TPH-E by EPA 8015C
Surr: Nonane	100	63-125		%Rec	11/12/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/11/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	89	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	102	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	112	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/11/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/11/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/11/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/11/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911038

Report Date: 11/13/2019

CLIENT:**Collection Date:** 10/31/2019 3:04:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911038-09**Matrix:** AQUEOUS**Client Sample ID** PW-3

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	89	70-130		%Rec	11/11/2019	VOCs by EPA 8260C
Surr: Toluene-d8	102	70-130		%Rec	11/11/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	112	70-130		%Rec	11/11/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911038

Report Date: 11/13/2019

CLIENT:**Collection Date:** 10/31/2019 2:20:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911038-10**Matrix:** AQUEOUS**Client Sample ID** WCW-5

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	11/12/2019	TPH-E by EPA 8015C
Surr: Nonane	90	63-125		%Rec	11/12/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/11/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	90	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	104	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/11/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/11/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/11/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/11/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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Analytical Report

WO#: CHH1911038

Report Date: 11/13/2019

CLIENT:

Collection Date: 10/31/2019 2:20:00 PM

Project: DFSP Norwalk

Lab ID: 1911038-10

Matrix: AQUEOUS

Client Sample ID WCW-5

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	90	70-130		%Rec	11/11/2019	VOCs by EPA 8260C
Surr: Toluene-d8	104	70-130		%Rec	11/11/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	11/11/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911038

Report Date: 11/13/2019

CLIENT:**Collection Date:** 10/31/2019 1:32:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911038-11**Matrix:** AQUEOUS**Client Sample ID** WCW-7

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	0.12	0.050	LC	mg/L	11/12/2019	TPH-E by EPA 8015C
Surr: Nonane	89	63-125		%Rec	11/12/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/11/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	92	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	104	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Acetone	15	10		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/11/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/11/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	0.57	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/11/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	1.3	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichloroethane	4.2	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/11/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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Analytical Report

WO#: CHH1911038

Report Date: 11/13/2019

CLIENT:

Collection Date: 10/31/2019 1:32:00 PM

Project: DFSP Norwalk

Lab ID: 1911038-11

Matrix: AQUEOUS

Client Sample ID WCW-7

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	92	70-130		%Rec	11/11/2019	VOCs by EPA 8260C
Surr: Toluene-d8	104	70-130		%Rec	11/11/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	11/11/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911038

Report Date: 11/13/2019

CLIENT:**Collection Date:** 10/31/2019 12:49:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911038-12**Matrix:** AQUEOUS**Client Sample ID** WCW-8

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	11/12/2019	TPH-E by EPA 8015C
Surr: Nonane	93	63-125		%Rec	11/12/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/11/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	89	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	102	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	114	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/11/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/11/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/11/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/11/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911038

Report Date: 11/13/2019

CLIENT:

Collection Date: 10/31/2019 12:49:00 PM

Project: DFSP Norwalk

Lab ID: 1911038-12

Matrix: AQUEOUS

Client Sample ID WCW-8

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	89	70-130		%Rec	11/11/2019	VOCs by EPA 8260C
Surr: Toluene-d8	102	70-130		%Rec	11/11/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	114	70-130		%Rec	11/11/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911038

Report Date: 11/13/2019

CLIENT:**Collection Date:** 10/31/2019 11:28:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911038-13**Matrix:** AQUEOUS**Client Sample ID** MW-18(MID)

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	0.098	0.050		mg/L	11/12/2019	TPH-E by EPA 8015C
Surr: Nonane	97	63-125		%Rec	11/12/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/11/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	89	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	102	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	112	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	11	10		µg/L	11/11/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/11/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/11/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	1.4	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/11/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/11/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911038

Report Date: 11/13/2019

CLIENT:**Collection Date:** 10/31/2019 11:28:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911038-13**Matrix:** AQUEOUS**Client Sample ID** MW-18(MID)

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	89	70-130		%Rec	11/11/2019	VOCs by EPA 8260C
Surr: Toluene-d8	102	70-130		%Rec	11/11/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	112	70-130		%Rec	11/11/2019	VOCs by EPA 8260C



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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911038

Report Date: 11/13/2019

CLIENT:**Collection Date:** 10/31/2019 10:41:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911038-14**Matrix:** AQUEOUS**Client Sample ID** MW-SF-6

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	13	0.050		mg/L	11/12/2019	TPH-E by EPA 8015C
Surr: Nonane	103	63-125		%Rec	11/12/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.20	O	mg/L	11/11/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	86	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	101	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chloromethane	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
Vinyl chloride	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chloroethane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromomethane	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Acetone	ND	40		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	60	20		µg/L	11/11/2019	VOCs by EPA 8260C
Dichloromethane	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Carbon disulfide	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	1.0	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Vinyl acetate	ND	200		µg/L	11/11/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	40		µg/L	11/11/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	6.6	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromochloromethane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chloroform	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Benzene	2.8	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Dibromomethane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Trichloroethene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Toluene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
2-Hexanone	ND	20		µg/L	11/11/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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Analytical Report

WO#: CHH1911038

Report Date: 11/13/2019

CLIENT:**Collection Date:** 10/31/2019 10:41:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911038-14**Matrix:** AQUEOUS**Client Sample ID** MW-SF-6

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chlorobenzene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Ethylbenzene	1.8	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
m,p-Xylene	1.6	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromoform	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Xylenes, Total	1.6	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Styrene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
o-Xylene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromobenzene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	2.1	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	12		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	86	70-130		%Rec	11/11/2019	VOCs by EPA 8260C
Surr: Toluene-d8	101	70-130		%Rec	11/11/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	11/11/2019	VOCs by EPA 8260C

NOTES:

Reporting Limits were increased due to sample foaming.



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Analytical Report

WO#: CHH1911038

Report Date: 11/13/2019

CLIENT:**Collection Date:** 10/31/2019 9:50:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911038-15**Matrix:** AQUEOUS**Client Sample ID** MW-SF-15

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	0.60	0.050		mg/L	11/12/2019	TPH-E by EPA 8015C
Surr: Nonane	103	63-125		%Rec	11/12/2019	TPH-E by EPA 8015C
TPH-P (GRO)	0.13	0.10		mg/L	11/11/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	89	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	102	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	114	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chloromethane	ND	4.0		µg/L	11/11/2019	VOCs by EPA 8260C
Vinyl chloride	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromomethane	ND	4.0		µg/L	11/11/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Acetone	ND	20		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	83	10		µg/L	11/11/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/11/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Carbon disulfide	ND	5.0		µg/L	11/11/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	3.5	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Vinyl acetate	ND	100		µg/L	11/11/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	20		µg/L	11/11/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	69	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Benzene	0.55	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
2-Hexanone	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	4.0		µg/L	11/11/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911038

Report Date: 11/13/2019

CLIENT:**Collection Date:** 10/31/2019 9:50:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911038-15**Matrix:** AQUEOUS**Client Sample ID** MW-SF-15

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	4.0		µg/L	11/11/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	6.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	4.0		µg/L	11/11/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	4.0		µg/L	11/11/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	89	70-130		%Rec	11/11/2019	VOCs by EPA 8260C
Surr: Toluene-d8	102	70-130		%Rec	11/11/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	114	70-130		%Rec	11/11/2019	VOCs by EPA 8260C

NOTES:

Some Reporting Limits were increased due to sample foaming.



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Analytical Report

WO#: CHH1911038

Report Date: 11/13/2019

CLIENT:**Collection Date:** 10/31/2019 8:45:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911038-16**Matrix:** AQUEOUS**Client Sample ID** MW-SF-1

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	0.58	0.050		mg/L	11/12/2019	TPH-E by EPA 8015C
Surr: Nonane	92	63-125		%Rec	11/12/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.20	O	mg/L	11/11/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	86	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	102	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	112	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chloromethane	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
Vinyl chloride	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chloroethane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromomethane	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Acetone	ND	40		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	20		µg/L	11/11/2019	VOCs by EPA 8260C
Dichloromethane	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Carbon disulfide	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Vinyl acetate	ND	200		µg/L	11/11/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	40		µg/L	11/11/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromochloromethane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chloroform	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Benzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Dibromomethane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Trichloroethene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Toluene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
2-Hexanone	ND	20		µg/L	11/11/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911038

Report Date: 11/13/2019

CLIENT:

Collection Date: 10/31/2019 8:45:00 AM

Project: DFSP Norwalk

Lab ID: 1911038-16

Matrix: AQUEOUS

Client Sample ID MW-SF-1

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chlorobenzene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Ethylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
m,p-Xylene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromoform	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Xylenes, Total	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Styrene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
o-Xylene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromobenzene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	12		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	8.0		µg/L	11/11/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	86	70-130		%Rec	11/11/2019	VOCs by EPA 8260C
Surr: Toluene-d8	102	70-130		%Rec	11/11/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	112	70-130		%Rec	11/11/2019	VOCs by EPA 8260C

NOTES:

Reporting Limits were increased due to sample foaming.



Alpha Analytical, Inc.

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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911038

Report Date: 11/13/2019

CLIENT:**Collection Date:** 10/31/2019 3:15:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911038-17**Matrix:** AQUEOUS**Client Sample ID** EB-5

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	11/12/2019	TPH-E by EPA 8015C
Surr: Nonane	96	63-125		%Rec	11/12/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/11/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	90	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	113	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	110	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/11/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/11/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/11/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/11/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911038

Report Date: 11/13/2019

CLIENT:**Collection Date:** 10/31/2019 3:15:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911038-17**Matrix:** AQUEOUS**Client Sample ID** EB-5

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	90	70-130		%Rec	11/11/2019	VOCs by EPA 8260C
Surr: Toluene-d8	113	70-130		%Rec	11/11/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	110	70-130		%Rec	11/11/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911038

Report Date: 11/13/2019

CLIENT:**Collection Date:** 10/31/2019 1:00:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911038-18**Matrix:** AQUEOUS**Client Sample ID** EB-6

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	11/12/2019	TPH-E by EPA 8015C
Surr: Nonane	105	63-125		%Rec	11/12/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/11/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	88	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	104	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	11/11/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/11/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/11/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/11/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/11/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911038

Report Date: 11/13/2019

CLIENT:

Collection Date: 10/31/2019 1:00:00 PM

Project: DFSP Norwalk

Lab ID: 1911038-18

Matrix: AQUEOUS

Client Sample ID EB-6

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/11/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/11/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/11/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	88	70-130		%Rec	11/11/2019	VOCs by EPA 8260C
Surr: Toluene-d8	104	70-130		%Rec	11/11/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	11/11/2019	VOCs by EPA 8260C



QC SUMMARY REPORT

WO#: 1911038

13-Nov-19

Client:

Project: DFSP Norwalk

TestCode: TPH/E_W

Sample ID: MB-9771	SampType: MBLK	TestCode: TPH/E_W	Units: mg/L
Client ID: PBW	Batch ID: 9771	TestNo: SW8015	SW8015
Prep Date: 11/11/2019	RunNo: 8248	SeqNo: 248346	
Analysis Date: 11/11/2019			

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		88.0	63	125				

Sample ID: LCS-9771	SampType: LCS	TestCode: TPH/E_W	Units: mg/L
Client ID: LCSW	Batch ID: 9771	TestNo: SW8015	SW8015
Prep Date: 11/11/2019	RunNo: 8248	SeqNo: 248347	
Analysis Date: 11/11/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-E (DRO)	2.73	0.05	2.5	0	109	89.6	123				
Surr: Nonane	0.129		0.15		86.0	60	129				

Sample ID: 1911038-01AMSD	SampType: MSD	TestCode: TPH/E_W	Units: mg/L
Client ID: MW-8MSD	Batch ID: 9771	TestNo: SW8015	SW8015
Prep Date: 11/11/2019	RunNo: 8248	SeqNo: 248350	
Analysis Date: 11/11/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-E (DRO)	2.95	0.1	2.5	0	118	79	140	2.98	0.94	8	
Surr: Nonane	0.31		0.3		103	68.8	128	0.323	0	0	

Sample ID: 1911038-01AMS	SampType: MS	TestCode: TPH/E_W	Units: mg/L
Client ID: MW-8MS	Batch ID: 9771	TestNo: SW8015	SW8015
Prep Date: 11/11/2019	RunNo: 8248	SeqNo: 248349	
Analysis Date: 11/11/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-E (DRO)	2.98	0.1	2.5	0	119	79	140				
Surr: Nonane	0.323		0.3		108	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



Client:

Project: DFSP Norwalk

TestCode: TPH/P_W

Sample ID: MB-9773	SampType: MBLK	TestCode: TPH/P_W	Units: mg/L
Client ID: PBW	Batch ID: A9773B	TestNo: SW8015	
Prep Date: 11/11/2019	RunNo: 8252	SeqNo: 248595	
Analysis Date: 11/11/2019			

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	0.009		0.01		89.9	69.51	130.49				
Surr: Toluene-d8	0.01		0.01		101	69.51	130.49				
Surr: 4-Bromofluorobenzene	0.011		0.01		113	69.51	130.49				

Sample ID: GLCS-9773	SampType: GLCS	TestCode: TPH/P_W	Units: mg/L
Client ID: BatchQC	Batch ID: A9773B	TestNo: SW8015	
Prep Date: 11/11/2019	RunNo: 8252	SeqNo: 248594	
Analysis Date: 11/11/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-P (GRO)	0.392	0.05	0.4	0	97.9	73.9	126				
Surr: 1,2-Dichloroethane-d4	0.00902		0.01		90.2	69.51	130.49				
Surr: Toluene-d8	0.0112		0.01		112	69.51	130.49				
Surr: 4-Bromofluorobenzene	0.0111		0.01		111	69.51	130.49				

Sample ID: 1911038-01AGSD	SampType: GSD	TestCode: TPH/P_W	Units: mg/L
Client ID: MW-8	Batch ID: A9773B	TestNo: SW8015	
Prep Date: 11/12/2019	RunNo: 8252	SeqNo: 248593	
Analysis Date: 11/12/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-P (GRO)	5.13	0.25	2	1.16	198	60	125	5.16	0.45	28	S
Surr: 1,2-Dichloroethane-d4	0.0426		0.05		85.1	69.51	130.49	0.0456	0	0	
Surr: Toluene-d8	0.049		0.05		98.0	69.51	130.49	0.0498	0	0	
Surr: 4-Bromofluorobenzene	0.0604		0.05		121	69.51	130.49	0.0581	0	0	

Sample ID: 1911038-01AGS	SampType: GS	TestCode: TPH/P_W	Units: mg/L
Client ID: MW-8	Batch ID: A9773B	TestNo: SW8015	
Prep Date: 11/12/2019	RunNo: 8252	SeqNo: 248592	
Analysis Date: 11/12/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-P (GRO)	5.16	0.25	2	1.16	200	60	125				S
Surr: 1,2-Dichloroethane-d4	0.0456		0.05		91.1	69.51	130.49				
Surr: Toluene-d8	0.0498		0.05		99.5	69.51	130.49				
Surr: 4-Bromofluorobenzene	0.0581		0.05		116	69.51	130.49				

Qualifiers: B Analyte detected in the associated Method Blank
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 S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1911038
 13-Nov-19

Client:

Project: DFSP Norwalk

TestCode: TPH/P_W

Sample ID: 1911038-01AGS	SampType: GS	TestCode: TPH/P_W	Units: mg/L								
Client ID: MW-8	Batch ID: A9773B	TestNo: SW8015									
Prep Date: 11/12/2019	RunNo: 8252	SeqNo: 248592									
Analysis Date: 11/12/2019											
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#: 1911038

13-Nov-19

Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: MB-9773	SampType: MBLK	TestCode: VOC_W	Units: µg/L
Client ID: PBW	Batch ID: A9773	TestNo: SW8260C	
Prep Date: 11/11/2019	RunNo: 8252	SeqNo: 248559	
Analysis Date: 11/11/2019			

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#: 1911038
 13-Nov-19

Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: MB-9773	SampType: MBLK	TestCode: VOC_W	Units: µg/L
Client ID: PBW	Batch ID: A9773	TestNo: SW8260C	
Prep Date: 11/11/2019	RunNo: 8252	SeqNo: 248559	
Analysis Date: 11/11/2019			

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		10		89.9	69.51	130.49				
Surr: Toluene-d8	10		10		101	69.51	130.49				
Surr: 4-Bromofluorobenzene	11		10		113	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#: 1911038

13-Nov-19

Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: LCS-9773	SampType: LCS	TestCode: VOC_W	Units: µg/L
Client ID: LCSW	Batch ID: A9773	TestNo: SW8260C	
Prep Date: 11/11/2019	RunNo: 8252	SeqNo: 248558	
Analysis Date: 11/11/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	8.85	1	10	0	88.5	5.02	179				
Chloromethane	9.99	2	10	0	99.9	30.3	130				
Vinyl chloride	9.16	1	10	0	91.6	60.1	134				
Chloroethane	6.73	1	10	0	67.3	62.3	168				
Bromomethane	6.2	2	10	0	62.0	7.3	151				
Trichlorofluoromethane	6.89	1	10	0	68.9	76.5	148				S
Acetone	198	10	200	0	98.9	63.6	118				
1,1-Dichloroethene	9.66	1	10	0	96.6	28.8	209				
Tertiary Butyl Alcohol (TBA)	80.9	10	100	0	80.9	49.5	128.49				
Dichloromethane	9.8	2	10	0	98.0	77	120				
Freon-113	9.54	1	10	0	95.4	64.1	165				
trans-1,2-Dichloroethene	9.84	1	10	0	98.4	79.5	127				
Methyl tert-butyl ether (MTBE)	8.81	0.5	10	0	88.1	69	125				
1,1-Dichloroethane	9.88	1	10	0	98.8	78.6	131				
2-Butanone (MEK)	158	10	200	0	79.0	74.6	126				
Di-isopropyl Ether (DIPE)	10.3	1	10	0	103	79.5	121				
cis-1,2-Dichloroethene	9.12	1	10	0	91.2	79.5	122				
Bromochloromethane	8.01	1	10	0	80.1	75.9	125				
Chloroform	9.04	1	10	0	90.4	75	122				
Ethyl Tertiary Butyl Ether (ETBE)	9.45	1	10	0	94.5	75	123				
2,2-Dichloropropane	9.83	1	10	0	98.3	79.5	142				
1,2-Dichloroethane	8.96	1	10	0	89.6	74.2	130				
1,1,1-Trichloroethane	8.62	1	10	0	86.2	79.2	128				
1,1-Dichloropropene	10.9	1	10	0	109	78	142				
Carbon tetrachloride	8.42	1	10	0	84.2	79.5	125				
Benzene	9.63	0.5	10	0	96.3	79.5	126				
Tertiary Amyl Methyl Ether (TAME)	10.2	1	10	0	102	69.5	128.49				
Dibromomethane	8.91	1	10	0	89.1	79.5	128				
1,2-Dichloropropane	10.4	1	10	0	104	78.1	131				
Trichloroethene	8.49	1	10	0	84.9	79.3	121				
Bromodichloromethane	8.91	1	10	0	89.1	79.5	122				
4-Methyl-2-pentanone (MIBK)	22.8	2.5	25	0	91.1	60.8	126				
cis-1,3-Dichloropropene	9.61	1	10	0	96.1	79.5	123				
trans-1,3-Dichloropropene	9.03	1	10	0	90.3	77.3	128				
1,1,2-Trichloroethane	9.07	1	10	0	90.7	75.1	122				
Toluene	10.8	0.5	10	0	108	79.7	121				
1,3-Dichloropropane	10.8	1	10	0	108	70.6	126				
2-Hexanone	103	5	100	0	103	58.1	131				
Dibromochloromethane	9.22	1	10	0	92.2	79.2	127				
1,2-Dibromoethane (EDB)	18.7	2	20	0	93.6	75.2	126				

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#: 1911038

13-Nov-19

Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: LCS-9773	SampType: LCS	TestCode: VOC_W	Units: µg/L
Client ID: LCSW	Batch ID: A9773	TestNo: SW8260C	
Prep Date: 11/11/2019	RunNo: 8252	SeqNo: 248558	
Analysis Date: 11/11/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	8.88	1	10	0	88.8	74.9	121				
1,1,1,2-Tetrachloroethane	8.8	1	10	0	88.0	79.5	123				
Chlorobenzene	8.55	1	10	0	85.5	79.5	119				
Ethylbenzene	8.98	0.5	10	0	89.8	79.5	120				
m,p-Xylene	8.74	0.5	10	0	87.4	79.5	122				
Bromoform	7.84	1	10	0	78.4	68.8	129				
Xylenes, Total	18	0.5	20	0	90.0	79.5	122				
Styrene	8.92	1	10	0	89.2	79.5	129				
o-Xylene	9.26	0.5	10	0	92.6	79.1	123				
1,1,2,2-Tetrachloroethane	10	1	10	0	100	73.8	135				
1,2,3-Trichloropropane	18	2	20	0	90.2	74.3	133				
Isopropylbenzene	10.9	1	10	0	109	72.1	133				
Bromobenzene	9.28	1	10	0	92.8	73.4	120				
n-Propylbenzene	9.83	1	10	0	98.3	76.3	129				
4-Chlorotoluene	10.3	1	10	0	103	79.5	124				
2-Chlorotoluene	10	1	10	0	100	79.5	123				
1,3,5-Trimethylbenzene	10.1	1	10	0	101	79.4	136				
tert-Butylbenzene	10.2	1	10	0	102	71.5	131				
1,2,4-Trimethylbenzene	10.4	1	10	0	104	79.5	132				
sec-Butylbenzene	9.89	1	10	0	98.9	65.7	135				
1,3-Dichlorobenzene	9.8	1	10	0	98.0	79.5	120				
1,4-Dichlorobenzene	9.77	1	10	0	97.7	79.5	119				
4-Isopropyltoluene	10.4	1	10	0	104	69.5	141				
1,2-Dichlorobenzene	9.99	1	10	0	99.9	75.7	121				
n-Butylbenzene	11.3	1	10	0	113	60.6	150				
1,2-Dibromo-3-chloropropane (DBCP)	53	3	50	0	106	60	130				
1,2,4-Trichlorobenzene	10.3	2	10	0	103	42.2	141				
Naphthalene	10.9	2	10	0	109	22.7	139				
1,2,3-Trichlorobenzene	11.2	2	10	0	112	17.8	156				
Surr: 1,2-Dichloroethane-d4	8.83		10		88.3	69.51	130.49				
Surr: Toluene-d8	10.5		10		105	69.51	130.49				
Surr: 4-Bromofluorobenzene	10.4		10		104	69.51	130.49				

Sample ID: 1911038-02AMSD	SampType: MSD	TestCode: VOC_W	Units: µg/L
Client ID: GMW-O-19MSD	Batch ID: A9773	TestNo: SW8260C	
Prep Date: 11/13/2019	RunNo: 8252	SeqNo: 248735	
Analysis Date: 11/13/2019			

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#: 1911038

13-Nov-19

Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: 1911038-02AMSD	SampType: MSD	TestCode: VOC_W	Units: µg/L
Client ID: GMW-O-19MSD	Batch ID: A9773	TestNo: SW8260C	
Prep Date: 11/13/2019	RunNo: 8252	SeqNo: 248735	
Analysis Date: 11/13/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	34.1	5	50	0	68.2	5.1	155	30.8	10	38	
Chloromethane	41.3	10	50	0	82.6	37.7	121	37.1	11	22.5	
Vinyl chloride	41.5	5	50	0	83.0	60.4	140	38.4	7.8	23.9	
Chloroethane	32.5	5	50	0	64.9	43.1	206	28.3	14	22.9	
Bromomethane	18.1	10	50	0	36.2	12.6	168	14.1	25	48	
Trichlorofluoromethane	30.1	5	50	0	60.1	58.6	163	26.7	12	33.3	
Acetone	907	50	1000	9.85	89.7	37.3	152	834	8.4	50	
1,1-Dichloroethene	47.3	5	50	0	94.6	69.8	158	42.8	9.9	21.7	
Tertiary Butyl Alcohol (TBA)	408	50	500	0	81.6	60.4	158	381	6.8	26.8	
Dichloromethane	47.4	10	50	0	94.8	71.7	132	44	7.5	20	
Freon-113	44.7	5	50	0	89.3	52.1	166	40.9	8.7	25.9	
trans-1,2-Dichloroethene	48.2	5	50	0	96.4	72	136	44.3	8.5	19.2	
Methyl tert-butyl ether (MTBE)	43	2.5	50	0	86.0	54.8	155	39.6	8.3	21.4	
1,1-Dichloroethane	46.6	5	50	0	93.1	76.9	140	42.4	9.3	18	
2-Butanone (MEK)	743	50	1000	0	74.3	73.7	142	683	8.4	20.9	
Di-isopropyl Ether (DIPE)	46.9	5	50	0	93.9	74.8	136	43.3	8.1	18.2	
cis-1,2-Dichloroethene	45.7	5	50	0	91.5	73.9	133	42.1	8.3	20.1	
Bromochloromethane	43.3	5	50	0	86.6	75.8	132	39.4	9.3	23.5	
Chloroform	44.2	5	50	0	88.4	74.3	130	41	7.5	18	
Ethyl Tertiary Butyl Ether (ETBE)	45.1	5	50	0	90.2	74.8	138	42	7.1	20.3	
2,2-Dichloropropane	45	5	50	0	90.0	53.9	146	41.2	8.9	52.3	
1,2-Dichloroethane	42.4	5	50	0	84.8	72.6	144	37.2	13	17.1	
1,1,1-Trichloroethane	42	5	50	0	84.0	70.2	138	38.3	9.2	22.2	
1,1-Dichloropropene	52.1	5	50	0	104	69.7	146	47.7	9	29.6	
Carbon tetrachloride	41.7	5	50	0	83.5	58.2	141	37.6	10	31.9	
Benzene	46.6	2.5	50	0	93.2	67.8	140	42.9	8.3	18.1	
Tertiary Amyl Methyl Ether (TAME)	46.3	5	50	0	92.5	72.3	144	42.6	8.2	20.6	
Dibromomethane	43.9	5	50	0	87.8	75.2	144	39	12	19.5	
1,2-Dichloropropane	50	5	50	0	100	75.3	144	43.9	13	19.7	
Trichloroethene	44.5	5	50	0	89.1	65.7	131	40.1	10	25.3	
Bromodichloromethane	43.9	5	50	0	87.9	70.2	141	38.8	12	20.5	
4-Methyl-2-pentanone (MIBK)	106	12.5	125	0	84.9	57.9	143	91.3	15	21.3	
cis-1,3-Dichloropropene	45.8	5	50	0	91.6	56.9	132	40.3	13	25.8	
trans-1,3-Dichloropropene	42.9	5	50	0	85.8	72	131	37.9	12	26.4	
1,1,2-Trichloroethane	44.9	5	50	0	89.8	74	130	39.6	12	21.9	
Toluene	52.8	2.5	50	0	106	67.2	131	47	12	18.3	
1,3-Dichloropropane	51.8	5	50	0	104	74.2	124	45.8	12	21.7	
2-Hexanone	488	25	500	0	97.5	66.7	135	420	15	20.9	
Dibromochloromethane	47.6	5	50	0	95.2	71.5	134	43	10	24.1	
1,2-Dibromoethane (EDB)	94.3	10	100	0	94.3	74.7	129	85	10	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



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#: 1911038

13-Nov-19

Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: 1911038-02AMSD	SampType: MSD	TestCode: VOC_W	Units: µg/L
Client ID: GMW-O-19MSD	Batch ID: A9773	TestNo: SW8260C	
Prep Date: 11/13/2019	RunNo: 8252	SeqNo: 248735	
Analysis Date: 11/13/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	47.1	5	50	0	94.1	45.9	138	42.6	9.9	30.9	
1,1,1,2-Tetrachloroethane	46.1	5	50	0	92.2	75.7	125	42.1	8.9	22.6	
Chlorobenzene	44.7	5	50	0	89.4	73.7	120	40.3	10	23.1	
Ethylbenzene	45.4	2.5	50	0	90.8	70.3	122	41.1	9.9	25.3	
m,p-Xylene	46	2.5	50	0	92.0	52.9	136	41.7	9.8	26.6	
Bromoform	42.1	5	50	0	84.2	61.5	141	38.4	9.3	25	
Xylenes, Total	93.9	2.5	100	0	93.9	61	131	85.5	9.3	25.6	
Styrene	45.6	5	50	0	91.2	74	130	41.1	10	26	
o-Xylene	47.9	2.5	50	0	95.9	67.3	129	43.8	8.9	25	
1,1,2,2-Tetrachloroethane	51.6	5	50	0	103	62.4	153	45.5	13	24.6	
1,2,3-Trichloropropane	92.9	10	100	0	92.9	37.4	171	83.6	11	50	
Isopropylbenzene	54.4	5	50	0	109	63	132	48.2	12	33.1	
Bromobenzene	47.7	5	50	0	95.4	65.1	120	42.4	12	23.6	
n-Propylbenzene	49.8	5	50	0	99.6	58.2	128	44.4	11	32.4	
4-Chlorotoluene	52.7	5	50	0	105	63.9	127	46.8	12	29.1	
2-Chlorotoluene	50.1	5	50	0	100	63.2	126	44.7	11	28.9	
1,3,5-Trimethylbenzene	49.6	5	50	0	99.2	63.8	138	44	12	31.9	
tert-Butylbenzene	50.7	5	50	0	101	59.7	128	46.3	9	36.2	
1,2,4-Trimethylbenzene	51.4	5	50	0	103	65.1	135	51.2	0.49	28.8	
sec-Butylbenzene	49.6	5	50	0	99.2	55.5	128	45.1	9.5	40.9	
1,3-Dichlorobenzene	49.8	5	50	0	99.5	64.5	122	44.2	12	28.6	
1,4-Dichlorobenzene	49.5	5	50	0	99.1	63.7	121	44.1	12	27.7	
4-Isopropyltoluene	51.8	5	50	0	104	58	135	46.6	10	40.4	
1,2-Dichlorobenzene	49.1	5	50	0	98.2	66.7	122	43.7	12	24.5	
n-Butylbenzene	53.4	5	50	0	107	52.7	139	47.6	11	43.5	
1,2-Dibromo-3-chloropropane (DBCP)	245	15	250	0	97.9	59.1	143	212	14	24.9	
1,2,4-Trichlorobenzene	53.9	10	50	0	108	47.1	139	49.3	8.9	35	
Naphthalene	57.8	10	50	0	116	31.6	164	53.2	8.3	50	
1,2,3-Trichlorobenzene	59.7	10	50	0	119	17.7	171	53.8	10	57	
Surr: 1,2-Dichloroethane-d4	45.9		50		91.9	69.51	130.49	45.6	0	0	
Surr: Toluene-d8	52.1		50		104	69.51	130.49	52.5	0	0	
Surr: 4-Bromofluorobenzene	52.5		50		105	69.51	130.49	51.8	0	0	

Sample ID: 1911038-02AMS	SampType: MS	TestCode: VOC_W	Units: µg/L
Client ID: GMW-O-19MS	Batch ID: A9773	TestNo: SW8260C	
Prep Date: 11/13/2019	RunNo: 8252	SeqNo: 248734	
Analysis Date: 11/13/2019			

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

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Website: www.alpha-analytical.com

QC SUMMARY REPORT

WO#: 1911038

13-Nov-19

Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: 1911038-02AMS	SampType: MS	TestCode: VOC_W	Units: µg/L
Client ID: GMW-O-19MS	Batch ID: A9773	TestNo: SW8260C	
Prep Date: 11/13/2019	RunNo: 8252	SeqNo: 248734	
Analysis Date: 11/13/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	30.8	5	50	0	61.6	5.1	155				
Chloromethane	37.1	10	50	0	74.2	37.7	121				
Vinyl chloride	38.4	5	50	0	76.8	60.4	140				
Chloroethane	28.3	5	50	0	56.6	43.1	206				
Bromomethane	14.1	10	50	0	28.1	12.6	168				
Trichlorofluoromethane	26.7	5	50	0	53.3	58.6	163				S
Acetone	834	50	1000	9.85	82.4	37.3	152				
1,1-Dichloroethene	42.8	5	50	0	85.7	69.8	158				
Tertiary Butyl Alcohol (TBA)	381	50	500	0	76.2	60.4	158				
Dichloromethane	44	10	50	0	87.9	71.7	132				
Freon-113	40.9	5	50	0	81.9	52.1	166				
trans-1,2-Dichloroethene	44.3	5	50	0	88.5	72	136				
Methyl tert-butyl ether (MTBE)	39.6	2.5	50	0	79.2	54.8	155				
1,1-Dichloroethane	42.4	5	50	0	84.8	76.9	140				
2-Butanone (MEK)	683	50	1000	0	68.3	73.7	142				S
Di-isopropyl Ether (DIPE)	43.3	5	50	0	86.6	74.8	136				
cis-1,2-Dichloroethene	42.1	5	50	0	84.2	73.9	133				
Bromochloromethane	39.4	5	50	0	78.9	75.8	132				
Chloroform	41	5	50	0	82.0	74.3	130				
Ethyl Tertiary Butyl Ether (ETBE)	42	5	50	0	84.0	74.8	138				
2,2-Dichloropropane	41.2	5	50	0	82.4	53.9	146				
1,2-Dichloroethane	37.2	5	50	0	74.4	72.6	144				
1,1,1-Trichloroethane	38.3	5	50	0	76.6	70.2	138				
1,1-Dichloropropene	47.7	5	50	0	95.3	69.7	146				
Carbon tetrachloride	37.6	5	50	0	75.2	58.2	141				
Benzene	42.9	2.5	50	0	85.8	67.8	140				
Tertiary Amyl Methyl Ether (TAME)	42.6	5	50	0	85.2	72.3	144				
Dibromomethane	39	5	50	0	77.9	75.2	144				
1,2-Dichloropropane	43.9	5	50	0	87.8	75.3	144				
Trichloroethene	40.1	5	50	0	80.3	65.7	131				
Bromodichloromethane	38.8	5	50	0	77.6	70.2	141				
4-Methyl-2-pentanone (MIBK)	91.3	12.5	125	0	73.0	57.9	143				
cis-1,3-Dichloropropene	40.3	5	50	0	80.7	56.9	132				
trans-1,3-Dichloropropene	37.9	5	50	0	75.9	72	131				
1,1,2-Trichloroethane	39.6	5	50	0	79.3	74	130				
Toluene	47	2.5	50	0	94.1	67.2	131				
1,3-Dichloropropane	45.8	5	50	0	91.5	74.2	124				
2-Hexanone	420	25	500	0	84.1	66.7	135				
Dibromochloromethane	43	5	50	0	86.0	71.5	134				
1,2-Dibromoethane (EDB)	85	10	100	0	85.0	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.
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TEL: (775) 355-1044 FAX: (775) 355-0406
Website: www.alpha-analytical.com

QC SUMMARY REPORT

WO#: 1911038

13-Nov-19

Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: 1911038-02AMS	SampType: MS	TestCode: VOC_W	Units: µg/L
Client ID: GMW-O-19MS	Batch ID: A9773	TestNo: SW8260C	
Prep Date: 11/13/2019	RunNo: 8252	SeqNo: 248734	
Analysis Date: 11/13/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	42.6	5	50	0	85.3	45.9	138				
1,1,1,2-Tetrachloroethane	42.1	5	50	0	84.3	75.7	125				
Chlorobenzene	40.3	5	50	0	80.5	73.7	120				
Ethylbenzene	41.1	2.5	50	0	82.2	70.3	122				
m,p-Xylene	41.7	2.5	50	0	83.4	52.9	136				
Bromoform	38.4	5	50	0	76.7	61.5	141				
Xylenes, Total	85.5	2.5	100	0	85.5	61	131				
Styrene	41.1	5	50	0	82.2	74	130				
o-Xylene	43.8	2.5	50	0	87.7	67.3	129				
1,1,2,2-Tetrachloroethane	45.5	5	50	0	91.0	62.4	153				
1,2,3-Trichloropropane	83.6	10	100	0	83.6	37.4	171				
Isopropylbenzene	48.2	5	50	0	96.5	63	132				
Bromobenzene	42.4	5	50	0	84.7	65.1	120				
n-Propylbenzene	44.4	5	50	0	88.8	58.2	128				
4-Chlorotoluene	46.8	5	50	0	93.6	63.9	127				
2-Chlorotoluene	44.7	5	50	0	89.4	63.2	126				
1,3,5-Trimethylbenzene	44	5	50	0	87.9	63.8	138				
tert-Butylbenzene	46.3	5	50	0	92.7	59.7	128				
1,2,4-Trimethylbenzene	51.2	5	50	0	102	65.1	135				
sec-Butylbenzene	45.1	5	50	0	90.2	55.5	128				
1,3-Dichlorobenzene	44.2	5	50	0	88.3	64.5	122				
1,4-Dichlorobenzene	44.1	5	50	0	88.1	63.7	121				
4-Isopropyltoluene	46.6	5	50	0	93.3	58	135				
1,2-Dichlorobenzene	43.7	5	50	0	87.3	66.7	122				
n-Butylbenzene	47.6	5	50	0	95.2	52.7	139				
1,2-Dibromo-3-chloropropane (DBCP)	212	15	250	0	84.9	59.1	143				
1,2,4-Trichlorobenzene	49.3	10	50	0	98.7	47.1	139				
Naphthalene	53.2	10	50	0	106	31.6	164				
1,2,3-Trichlorobenzene	53.8	10	50	0	108	17.7	171				
Surr: 1,2-Dichloroethane-d4	45.6		50		91.3	69.51	130.49				
Surr: Toluene-d8	52.5		50		105	69.51	130.49				
Surr: 4-Bromofluorobenzene	51.8		50		104	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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255 Glendale Ave, #21
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TEL: (775) 355-1044 FAX: (775) 355-0406
Website: www.alpha-analytical.com

Definition Only

WO#: 1911038

Date:

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
 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: CHH1911038
 Report Due By: 13-Nov-19
 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: 02-Nov-19

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles		HOLD	Requested Tests			Sample Remarks
				Alpha	Sub TAT		TPHE_W	TPHIP_W	VOC_W	
CHH1911038-01	MW-8	AQ	10/31/2019 8:20:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911038-02	GMW-O-19	AQ	10/31/2019 9:20:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911038-03	GMW-O-16	AQ	10/31/2019 10:20:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911038-04	GMW-O-15	AQ	10/31/2019 11:07:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911038-05	GMW-O-18	AQ	10/31/2019 1:50:00 PM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911038-06	PZ-5	AQ	10/31/2019 2:33:00 PM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911038-07	DUP-5	AQ	10/31/2019	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911038-08	MW-SF-4	AQ	10/31/2019 8:56:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911038-09	PW-3	AQ	10/31/2019 3:04:00 PM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911038-10	WCW-5	AQ	10/31/2019 2:20:00 PM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	

Comments: Saturday delivery. Samples kept cold and secure until login on 11/4/19. Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. No voas received for TB-2. Amended 11/11/19 to place samples -19 & -20 on hold, per Cody.EH

Logged in by: Edmundut E Hernandez Alpha Analytical, Inc. 11.11.19 15:35
 Signature Print Name Company Date/Time

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

AMENDED

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles			Requested Tests				Sample Remarks
				Alpha	Sub	TAT	HOLD	TPHE_W	TPHP_W	VOC_W	
CHH1911038-11	WCW-7	AQ	10/31/2019 1:32:00 PM	6	0	7		A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911038-12	WCW-8	AQ	10/31/2019 12:49:00 PM	6	0	7		A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911038-13	MW-18(MID)	AQ	10/31/2019 11:28:00 AM	6	0	7		A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911038-14	MW-SF-6	AQ	10/31/2019 10:41:00 AM	6	0	7		A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911038-15	MW-SF-15	AQ	10/31/2019 9:50:00 AM	6	0	7		A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911038-16	MW-SF-1	AQ	10/31/2019 8:45:00 AM	6	0	7		A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911038-17	EB-5	AQ	10/31/2019 3:15:00 PM	6	0	7		A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911038-18	EB-6	AQ	10/31/2019 1:00:00 PM	6	0	7		A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911038-19	EXP-1	AQ	10/30/2019 9:40:00 AM	6	0	7	A - Hold				
CHH1911038-20	EXP-3	AQ	10/31/2019 8:40:00 AM	6	0	7	A - Hold				

Comments: Saturday delivery. Samples kept cold and secure until login on 11/4/19. Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. No voas received for TB-2. Amended 11/11/19 to place samples -19 & -20 on hold per Cody.EH

Logged in by: 
Print Name E Hernandez
Company Alpha Analytical, Inc.
Date/Time 11-11-19 15:35

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
 Nils Orliczky

WORKORDER SUMMARY

CA

WorkOrder: CHH1911038
 Report Due By: 13-Nov-19
 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: 02-Nov-19

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	
CHH1911038-01	MW-8	AQ	10/31/2019 8:20:00 AM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911038-02	GMW-O-19	AQ	10/31/2019 9:20:00 AM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911038-03	GMW-O-16	AQ	10/31/2019 10:20:00 AM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911038-04	GMW-O-15	AQ	10/31/2019 11:07:00 AM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911038-05	GMW-O-18	AQ	10/31/2019 1:50:00 PM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911038-06	PZ-5	AQ	10/31/2019 2:33:00 PM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911038-07	DUP-5	AQ	10/31/2019	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911038-08	MW-SF-4	AQ	10/31/2019 8:58:00 AM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911038-09	PW-3	AQ	10/31/2019 3:04:00 PM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911038-10	WCW-5	AQ	10/31/2019 2:20:00 PM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	

Comments: Saturday delivery. Samples kept cold and secure until login on 11/4/19. Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. No voas received for TB-2.

Logged in by: Edmund Signature: Edmund Print Name: Edmund Company: Alpha Analytical, Inc. Date/Time: 11.4.19 13:35

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	TPHE_W	TPHP_W	VOC_W		
CHH1911038-11	WCW-7	AQ	10/31/2019 1:32:00 PM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911038-12	WCW-8	AQ	10/31/2019 12:49:00 PM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911038-13	MW-18(MID)	AQ	10/31/2019 11:28:00 AM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911038-14	MW-SF-6	AQ	10/31/2019 10:41:00 AM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911038-15	MW-SF-15	AQ	10/31/2019 9:50:00 AM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911038-16	MW-SF-1	AQ	10/31/2019 8:45:00 AM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911038-17	EB-5	AQ	10/31/2019 3:15:00 PM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911038-18	EB-6	AQ	10/31/2019 1:00:00 PM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911038-19	EXP-1	AQ	10/30/2019 9:40:00 AM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911038-20	EXP-3	AQ	10/31/2019 8:40:00 AM	6	0	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		

Comments: Saturday delivery. Samples kept cold and secure until login on 11/4/19. Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. No voas received for TB-2.

Logged in by: Edmundz Signature: Edmundz Print Name: Edmundz Company: Alpha Analytical, Inc. Date/Time: 11.4.19 13:35

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

1680 ROGERS AVENUE
 SAN JOSE, CALIFORNIA 95112-1105
 FAX (408) 573-7771
 PHONE (408) 573-0555

BLAINE
 TECH SERVICES, INC.

LAB **Test America** COC 1 of 3

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 #
				#	Preservation Type						
MIW-8	10-31-19	0820	AQ	6	HCL	✓	✓				CAH1911038.61
GMW-0-19	10-31-19	0920	AQ	6	HCL	✓	✓				02
GMW-0-16	10-31-19	1020	AQ	6	HCL	✓	✓				03
GMW-0-15	10-31-19	1107	AQ	6	HCL	✓	✓				04
GMW-0-18	10-31-19	1350	AQ	6	HCL	✓	✓				05
P7-5	10-31-19	1433	AQ	6	HCL	✓	✓				06
DUP-5	10-31-19		AQ	6	HCL	✓	✓				07
MIW-8-1	10-31-19	0858	AQ	6	HCL	✓	✓				08
96-3	10/31/19	1504	AQ	6	HCL	✓	✓				09
WVW-5	10/31/19	1420	AQ	6	HCL	✓	✓				10

RESULTS NEEDED NO LATER THAN Standard

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RECEIVED BY	TIME	DATE	TIME
RELEASED BY	10-31-19	1800	Garnett Brant, Brian Martine	Nicole	1700	10/31/19	1700
RELEASED BY				Fedex	1600	11/1/19	1600
RELEASED BY				Fedex	13:38	11.4.19	13:38
SHIPPED VIA				7768 7707 1959			

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

BLAINE
TECH SERVICES, INC.

CHAIN OF CUSTODY
Client: Kinder Morgan
Site: DFSP Norwalk
15306 Norwalk Blvd, Norwalk

LAB
Billing Information:
Kinder Morgan
1100 Town and Country Rd.
Orange CA 95112

Report to:
Eric Davis
Jacobs
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)				
Ww-7	10/31/19	1332	AQ	6	HCL	VOA	X				CH# P11038-11
Ww-8	10/31/19	1229	AQ	6	HCL	VOA	X				12
Mw-16 (nfd)	10/31/19	1128	AQ	6	HCL	VOA	X				13
Mw-5F-6	10/31/19	1041	AQ	6	HCL	VOA	X				14
Mw-5F-15	10/31/19	0950	AQ	6	HCL	VOA	X				15
Mw-5F-1	10/31/19	0845	AQ	6	HCL	VOA	X				14
EB-5	10/31/19	1515	AQ	6	HCL	VOA	X				17
EB-6	10/31/19	1300	AQ	6	HCL	VOA	X				18
EXP-1	10/30/19	0940	AQ	6	HCL	VOA	X				19
EXP-3	10/31/19	0840	AQ	6	HCL	VOA	X				20

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN	RECEIVED BY	DATE	TIME
	10/31/19	1600	Brian Martinez + Margaret Graves	Standard	Nicole	10/31/19	1700
RELEASED BY	Brian M Garrett				RECEIVED BY	11/1/19	1600
RELEASED BY	Nicole				RECEIVED BY	11/4/19	13:35
RELEASED BY					RECEIVED BY		
SHIPPED VIA					COOLER #		

ALPHA

LAB West America COC 3 of 3

Billing Information:
 Kinder Morgan
 1100 Town and Country Rd.
 Orange CA 95112

Kindert Morgan Norwalk
 Report to:
 Eric Davis
 Jacobs
 2600 Michelson Drive
 Suite 500
 Irvine, CA 92612

1680 ROGERS AVENUE
 SAN JOSE, CALIFORNIA 95112-1105
 FAX (408) 573-7771
 PHONE (408) 573-0555

BLAINE

TECH SERVICES, INC.

CHAIN OF CUSTODY

CLIENT Kinder Morgan

SITE DFSP Norwalk

15306 Norwalk Blvd, Norwalk

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS		ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
				#	Type				
TB-2	10/31/19	1700	AG	17CL	60A				

CONDUCT ANALYSIS TO DETECT	RESULTS NEEDED	NO LATER THAN	DATE	TIME	RECEIVED BY	DATE	TIME
TPHg, TPHd (EPA 8015M) VOC's & Oxygenates (EPA 8260B)	Standard	Nicole	10/31/19	1700	Nicole	10/31/19	1700
		Fedex	11/1/19	1600	Fedex	11/1/19	1600
		Edmunds	11/4/19	13:35	Edmunds	11/4/19	13:35



Alpha Analytical, Inc.
255 Glendale Ave, #21
Sparks, Nevada 89431
TEL: (775) 355-1044 FAX: (775) 355-0406
Website: www.alpha-analytical.com

December 02, 2019

Eric Davis

1000 Wilshire Boulevard
Los Angeles, CA 90017
TEL:
FAX

RE: DFSP Norwalk

Dear Eric Davis:

Order No.: CHH1911050

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 black ink that reads "Roger Scholl". The signature is written in a cursive, flowing style.

Roger Scholl
Laboratory Director
255 Glendale Ave, #21
Sparks, Nevada 89431



Alpha Analytical, Inc.

(775) 355-1044 / (775) 355-0406 FAX / 1-800-283-1183
255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911050

Report Date: 12/2/2019

CLIENT:**Collection Date:** 11/1/2019 12:30:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911050-01**Matrix:** AQUEOUS**Client Sample ID** GMW-O-14

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	1.3	0.050	K	mg/L	11/12/2019	TPH-E by EPA 8015C
Surr: Nonane	107	63-125		%Rec	11/12/2019	TPH-E by EPA 8015C
TPH-P (GRO)	28	10		mg/L	11/13/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	87	70-130		%Rec	11/13/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	93	70-130		%Rec	11/13/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	111	70-130		%Rec	11/13/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
Chloromethane	ND	400		µg/L	11/13/2019	VOCs by EPA 8260C
Vinyl chloride	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
Chloroethane	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
Bromomethane	ND	400		µg/L	11/13/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
Acetone	ND	2,000		µg/L	11/13/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	1,000		µg/L	11/13/2019	VOCs by EPA 8260C
Dichloromethane	ND	400		µg/L	11/13/2019	VOCs by EPA 8260C
Freon-113	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
Carbon disulfide	ND	500		µg/L	11/13/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	50		µg/L	11/13/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
Vinyl acetate	ND	10,000		µg/L	11/13/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	2,000		µg/L	11/13/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	190	100		µg/L	11/13/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
Bromochloromethane	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
Chloroform	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
Benzene	13,000	50		µg/L	11/13/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
Dibromomethane	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
Trichloroethene	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	500		µg/L	11/13/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
Toluene	88	50		µg/L	11/13/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
2-Hexanone	ND	1,000		µg/L	11/13/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	400		µg/L	11/13/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911050

Report Date: 12/2/2019

CLIENT:**Collection Date:** 11/1/2019 12:30:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911050-01**Matrix:** AQUEOUS**Client Sample ID** GMW-O-14

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
Chlorobenzene	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
Ethylbenzene	520	50		µg/L	11/13/2019	VOCs by EPA 8260C
m,p-Xylene	500	50		µg/L	11/13/2019	VOCs by EPA 8260C
Bromoform	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
Xylenes, Total	500	50		µg/L	11/13/2019	VOCs by EPA 8260C
Styrene	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
o-Xylene	ND	50		µg/L	11/13/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	400		µg/L	11/13/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
Bromobenzene	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
n-Propylbenzene	150	100		µg/L	11/13/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	170	100		µg/L	11/13/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	710	100		µg/L	11/13/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	600		µg/L	11/13/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	400		µg/L	11/13/2019	VOCs by EPA 8260C
Naphthalene	410	400		µg/L	11/13/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	400		µg/L	11/13/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	87	70-130		%Rec	11/13/2019	VOCs by EPA 8260C
Surr: Toluene-d8	93	70-130		%Rec	11/13/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	111	70-130		%Rec	11/13/2019	VOCs by EPA 8260C

NOTES:

Reporting Limits were increased due to high concentrations of target analytes.



Alpha Analytical, Inc.

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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911050

Report Date: 12/2/2019

CLIENT:**Collection Date:** 11/1/2019**Project:** DFSP Norwalk**Lab ID:** 1911050-02**Matrix:** AQUEOUS**Client Sample ID** DUP-7

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	1.2	0.050	K	mg/L	11/12/2019	TPH-E by EPA 8015C
Surr: Nonane	109	63-125		%Rec	11/12/2019	TPH-E by EPA 8015C
TPH-P (GRO)	28	10		mg/L	11/13/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	89	70-130		%Rec	11/13/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	98	70-130		%Rec	11/13/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	111	70-130		%Rec	11/13/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
Chloromethane	ND	400		µg/L	11/13/2019	VOCs by EPA 8260C
Vinyl chloride	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
Chloroethane	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
Bromomethane	ND	400		µg/L	11/13/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
Acetone	ND	2,000		µg/L	11/13/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	1,000		µg/L	11/13/2019	VOCs by EPA 8260C
Dichloromethane	ND	400		µg/L	11/13/2019	VOCs by EPA 8260C
Freon-113	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
Carbon disulfide	ND	500		µg/L	11/13/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	50		µg/L	11/13/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
Vinyl acetate	ND	10,000		µg/L	11/13/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	2,000		µg/L	11/13/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	190	100		µg/L	11/13/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
Bromochloromethane	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
Chloroform	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
Benzene	13,000	50		µg/L	11/13/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
Dibromomethane	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
Trichloroethene	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	500		µg/L	11/13/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
Toluene	97	50		µg/L	11/13/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
2-Hexanone	ND	1,000		µg/L	11/13/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	400		µg/L	11/13/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911050

Report Date: 12/2/2019

CLIENT:

Collection Date: 11/1/2019

Project: DFSP Norwalk

Lab ID: 1911050-02

Matrix: AQUEOUS

Client Sample ID DUP-7

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
Chlorobenzene	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
Ethylbenzene	560	50		µg/L	11/13/2019	VOCs by EPA 8260C
m,p-Xylene	500	50		µg/L	11/13/2019	VOCs by EPA 8260C
Bromoform	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
Xylenes, Total	500	50		µg/L	11/13/2019	VOCs by EPA 8260C
Styrene	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
o-Xylene	ND	50		µg/L	11/13/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	400		µg/L	11/13/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
Bromobenzene	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
n-Propylbenzene	150	100		µg/L	11/13/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	180	100		µg/L	11/13/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	720	100		µg/L	11/13/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	100		µg/L	11/13/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	600		µg/L	11/13/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	400		µg/L	11/13/2019	VOCs by EPA 8260C
Naphthalene	430	400		µg/L	11/13/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	400		µg/L	11/13/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	89	70-130		%Rec	11/13/2019	VOCs by EPA 8260C
Surr: Toluene-d8	98	70-130		%Rec	11/13/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	111	70-130		%Rec	11/13/2019	VOCs by EPA 8260C

NOTES:

Reporting Limits were increased due to high concentrations of target analytes.



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Analytical Report

WO#: CHH1911050

Report Date: 12/2/2019

CLIENT:**Collection Date:** 11/1/2019 11:15:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911050-03**Matrix:** AQUEOUS**Client Sample ID** GMW-O-1

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	11/12/2019	TPH-E by EPA 8015C
Surr: Nonane	105	63-125		%Rec	11/12/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/13/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	89	70-130		%Rec	11/13/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	109	70-130		%Rec	11/13/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	111	70-130		%Rec	11/13/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/13/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/13/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/13/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/13/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/13/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/13/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/13/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/13/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/13/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/13/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/13/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/13/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/13/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/13/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/13/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/13/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/13/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/13/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911050

Report Date: 12/2/2019

CLIENT:

Collection Date: 11/1/2019 11:15:00 AM

Project: DFSP Norwalk

Lab ID: 1911050-03

Matrix: AQUEOUS

Client Sample ID GMW-O-1

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/13/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/13/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/13/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/13/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/13/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/13/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/13/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/13/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	89	70-130		%Rec	11/13/2019	VOCs by EPA 8260C
Surr: Toluene-d8	109	70-130		%Rec	11/13/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	111	70-130		%Rec	11/13/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911050

Report Date: 12/2/2019

CLIENT:**Collection Date:** 11/1/2019 10:30:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911050-04**Matrix:** AQUEOUS**Client Sample ID** HL-2

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	11/12/2019	TPH-E by EPA 8015C
Surr: Nonane	99	63-125		%Rec	11/12/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/12/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	86	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	105	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/12/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/12/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/12/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/12/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911050

Report Date: 12/2/2019

CLIENT:**Collection Date:** 11/1/2019 10:30:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911050-04**Matrix:** AQUEOUS**Client Sample ID** HL-2

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	86	70-130		%Rec	11/12/2019	VOCs by EPA 8260C
Surr: Toluene-d8	105	70-130		%Rec	11/12/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	11/12/2019	VOCs by EPA 8260C



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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911050

Report Date: 12/2/2019

CLIENT:**Collection Date:** 11/1/2019 9:17:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911050-05**Matrix:** AQUEOUS**Client Sample ID** GMW-26

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	11/12/2019	TPH-E by EPA 8015C
Surr: Nonane	104	63-125		%Rec	11/12/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/12/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	86	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	105	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/12/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/12/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/12/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/12/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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Analytical Report

WO#: CHH1911050

Report Date: 12/2/2019

CLIENT:**Collection Date:** 11/1/2019 9:17:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911050-05**Matrix:** AQUEOUS**Client Sample ID** GMW-26

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	86	70-130		%Rec	11/12/2019	VOCs by EPA 8260C
Surr: Toluene-d8	105	70-130		%Rec	11/12/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	11/12/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911050

Report Date: 12/2/2019

CLIENT:**Collection Date:** 11/1/2019 8:42:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911050-06**Matrix:** AQUEOUS**Client Sample ID** GWR-1R

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	11/12/2019	TPH-E by EPA 8015C
Surr: Nonane	105	63-125		%Rec	11/12/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/12/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	86	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	104	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/12/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/12/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/12/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichloroethane	1.2	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/12/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911050

Report Date: 12/2/2019

CLIENT:**Collection Date:** 11/1/2019 8:42:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911050-06**Matrix:** AQUEOUS**Client Sample ID** GWR-1R

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	86	70-130		%Rec	11/12/2019	VOCs by EPA 8260C
Surr: Toluene-d8	104	70-130		%Rec	11/12/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	11/12/2019	VOCs by EPA 8260C



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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911050

Report Date: 12/2/2019

CLIENT:**Collection Date:** 11/1/2019**Project:** DFSP Norwalk**Lab ID:** 1911050-07**Matrix:** AQUEOUS**Client Sample ID** DUP-2

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	11/12/2019	TPH-E by EPA 8015C
Surr: Nonane	107	63-125		%Rec	11/12/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/12/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	87	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	106	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/12/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/12/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/12/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichloroethane	1.2	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/12/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911050

Report Date: 12/2/2019

CLIENT:

Collection Date: 11/1/2019

Project: DFSP Norwalk

Lab ID: 1911050-07

Matrix: AQUEOUS

Client Sample ID DUP-2

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	87	70-130		%Rec	11/12/2019	VOCs by EPA 8260C
Surr: Toluene-d8	106	70-130		%Rec	11/12/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	11/12/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

(775) 355-1044 / (775) 355-0406 FAX / 1-800-283-1183
255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911050

Report Date: 12/2/2019

CLIENT:**Collection Date:** 11/1/2019 8:10:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911050-08**Matrix:** AQUEOUS**Client Sample ID** GMW-25

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	2.6	0.050		mg/L	11/12/2019	TPH-E by EPA 8015C
Surr: Nonane	113	63-125		%Rec	11/12/2019	TPH-E by EPA 8015C
TPH-P (GRO)	0.098	0.050		mg/L	11/12/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	84	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	105	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/12/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/12/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/12/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/12/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911050

Report Date: 12/2/2019

CLIENT:**Collection Date:** 11/1/2019 8:10:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911050-08**Matrix:** AQUEOUS**Client Sample ID** GMW-25

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	84	70-130		%Rec	11/12/2019	VOCs by EPA 8260C
Surr: Toluene-d8	105	70-130		%Rec	11/12/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	11/12/2019	VOCs by EPA 8260C



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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911050

Report Date: 12/2/2019

CLIENT:**Collection Date:** 11/1/2019 3:30:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911050-09**Matrix:** AQUEOUS**Client Sample ID** EB-7

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	11/12/2019	TPH-E by EPA 8015C
Surr: Nonane	107	63-125		%Rec	11/12/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/12/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	86	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	103	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/12/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/12/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/12/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/12/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911050

Report Date: 12/2/2019

CLIENT:**Collection Date:** 11/1/2019 3:30:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911050-09**Matrix:** AQUEOUS**Client Sample ID** EB-7

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	86	70-130		%Rec	11/12/2019	VOCs by EPA 8260C
Surr: Toluene-d8	103	70-130		%Rec	11/12/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	11/12/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911050

Report Date: 12/2/2019

CLIENT:**Collection Date:** 11/1/2019 1:00:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911050-10**Matrix:** AQUEOUS**Client Sample ID** EB-8

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	11/12/2019	TPH-E by EPA 8015C
Surr: Nonane	105	63-125		%Rec	11/12/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/12/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	87	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	104	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/12/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/12/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/12/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/12/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911050

Report Date: 12/2/2019

CLIENT:**Collection Date:** 11/1/2019 1:00:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911050-10**Matrix:** AQUEOUS**Client Sample ID** EB-8

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	87	70-130		%Rec	11/12/2019	VOCs by EPA 8260C
Surr: Toluene-d8	104	70-130		%Rec	11/12/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	11/12/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911050

Report Date: 12/2/2019

CLIENT:**Collection Date:** 11/1/2019 8:07:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911050-11**Matrix:** AQUEOUS**Client Sample ID** MW-SF-13

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	1.0	0.050		mg/L	11/13/2019	TPH-E by EPA 8015C
Surr: Nonane	103	63-125		%Rec	11/13/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.20	O	mg/L	11/12/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	86	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	103	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	109	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Chloromethane	ND	8.0		µg/L	11/12/2019	VOCs by EPA 8260C
Vinyl chloride	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Chloroethane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromomethane	ND	8.0		µg/L	11/12/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Acetone	ND	40		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
Dichloromethane	ND	8.0		µg/L	11/12/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Carbon disulfide	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Vinyl acetate	ND	200		µg/L	11/12/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	40		µg/L	11/12/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromochloromethane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Chloroform	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Benzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Dibromomethane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Trichloroethene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Toluene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
2-Hexanone	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	8.0		µg/L	11/12/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911050

Report Date: 12/2/2019

CLIENT:**Collection Date:** 11/1/2019 8:07:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911050-11**Matrix:** AQUEOUS**Client Sample ID** MW-SF-13

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Chlorobenzene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Ethylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
m,p-Xylene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromoform	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Xylenes, Total	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Styrene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
o-Xylene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	8.0		µg/L	11/12/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromobenzene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	12		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	8.0		µg/L	11/12/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	8.0		µg/L	11/12/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	86	70-130		%Rec	11/12/2019	VOCs by EPA 8260C
Surr: Toluene-d8	103	70-130		%Rec	11/12/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	109	70-130		%Rec	11/12/2019	VOCs by EPA 8260C

NOTES:

Reporting Limits were increased due to sample foaming.



Alpha Analytical, Inc.

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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: **CHH1911050**

Report Date: **12/2/2019**

CLIENT:

Collection Date: 11/1/2019 8:51:00 AM

Project: DFSP Norwalk

Lab ID: 1911050-12

Matrix: AQUEOUS

Client Sample ID GMW-9

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	0.34	0.050		mg/L	11/13/2019	TPH-E by EPA 8015C
Surr: Nonane	95	63-125		%Rec	11/13/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/12/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	86	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	104	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/12/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/12/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	0.67	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/12/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/12/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C



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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911050

Report Date: 12/2/2019

CLIENT:**Collection Date:** 11/1/2019 8:51:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911050-12**Matrix:** AQUEOUS**Client Sample ID** GMW-9

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	86	70-130		%Rec	11/12/2019	VOCs by EPA 8260C
Surr: Toluene-d8	104	70-130		%Rec	11/12/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	11/12/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911050

Report Date: 12/2/2019

CLIENT:**Collection Date:** 11/1/2019 9:39:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911050-13**Matrix:** AQUEOUS**Client Sample ID** GMW-23

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	47	0.50		mg/L	11/13/2019	TPH-E by EPA 8015C
Surr: Nonane	114	63-125		%Rec	11/13/2019	TPH-E by EPA 8015C
TPH-P (GRO)	0.13	0.050		mg/L	11/12/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	86	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	103	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	320	10		µg/L	11/12/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/12/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/12/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	0.64	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/12/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	32	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/12/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911050

Report Date: 12/2/2019

CLIENT:**Collection Date:** 11/1/2019 9:39:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911050-13**Matrix:** AQUEOUS**Client Sample ID** GMW-23

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	86	70-130		%Rec	11/12/2019	VOCs by EPA 8260C
Surr: Toluene-d8	103	70-130		%Rec	11/12/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	11/12/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911050

Report Date: 12/2/2019

CLIENT:**Collection Date:** 11/1/2019 10:25:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911050-14**Matrix:** AQUEOUS**Client Sample ID** GMW-28

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	0.39	0.050		mg/L	11/13/2019	TPH-E by EPA 8015C
Surr: Nonane	101	63-125		%Rec	11/13/2019	TPH-E by EPA 8015C
TPH-P (GRO)	0.087	0.050		mg/L	11/12/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	86	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	104	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	500	10		µg/L	11/12/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/12/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/12/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	1.0	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/12/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	41	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/12/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911050

Report Date: 12/2/2019

CLIENT:

Collection Date: 11/1/2019 10:25:00 AM

Project: DFSP Norwalk

Lab ID: 1911050-14

Matrix: AQUEOUS

Client Sample ID GMW-28

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	86	70-130		%Rec	11/12/2019	VOCs by EPA 8260C
Surr: Toluene-d8	104	70-130		%Rec	11/12/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	11/12/2019	VOCs by EPA 8260C



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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911050

Report Date: 12/2/2019

CLIENT:**Collection Date:** 11/1/2019 11:07:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911050-15**Matrix:** AQUEOUS**Client Sample ID** GMW-30

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	1.3	0.050		mg/L	11/13/2019	TPH-E by EPA 8015C
Surr: Nonane	103	63-125		%Rec	11/13/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/12/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	87	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	103	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	20	10		µg/L	11/12/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/12/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/12/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	1.1	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloroethane	1.1	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/12/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	6.2	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/12/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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Analytical Report

WO#: CHH1911050

Report Date: 12/2/2019

CLIENT:**Collection Date:** 11/1/2019 11:07:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911050-15**Matrix:** AQUEOUS**Client Sample ID** GMW-30

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	87	70-130		%Rec	11/12/2019	VOCs by EPA 8260C
Surr: Toluene-d8	103	70-130		%Rec	11/12/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	11/12/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911050

Report Date: 12/2/2019

CLIENT:**Collection Date:** 11/1/2019 12:05:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911050-16**Matrix:** AQUEOUS**Client Sample ID** GMW-O-10

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	11/13/2019	TPH-E by EPA 8015C
Surr: Nonane	100	63-125		%Rec	11/13/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/12/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	97	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	108	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/12/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/12/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloroethane	2.6	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/12/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	1.2	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichloroethane	11	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/12/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C



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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911050

Report Date: 12/2/2019

CLIENT:**Collection Date:** 11/1/2019 12:05:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911050-16**Matrix:** AQUEOUS**Client Sample ID** GMW-O-10

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	97	70-130		%Rec	11/12/2019	VOCs by EPA 8260C
Surr: Toluene-d8	108	70-130		%Rec	11/12/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	11/12/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911050

Report Date: 12/2/2019

CLIENT:**Collection Date:** 11/1/2019 1:10:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911050-17**Matrix:** AQUEOUS**Client Sample ID** GMW-O-9

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	11/13/2019	TPH-E by EPA 8015C
Surr: Nonane	106	63-125		%Rec	11/13/2019	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	11/12/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	91	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	98	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/12/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/12/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/12/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/12/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C



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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911050

Report Date: 12/2/2019

CLIENT:**Collection Date:** 11/1/2019 1:10:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911050-17**Matrix:** AQUEOUS**Client Sample ID** GMW-O-9

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Chlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/12/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	91	70-130		%Rec	11/12/2019	VOCs by EPA 8260C
Surr: Toluene-d8	98	70-130		%Rec	11/12/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	11/12/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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Analytical Report

WO#: CHH1911050

Report Date: 12/2/2019

CLIENT:**Collection Date:** 11/1/2019 2:06:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911050-18**Matrix:** AQUEOUS**Client Sample ID** GMW-O-21

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	1.1	0.050	K	mg/L	11/13/2019	TPH-E by EPA 8015C
Surr: Nonane	97	63-125		%Rec	11/13/2019	TPH-E by EPA 8015C
TPH-P (GRO)	7.6	2.0		mg/L	11/12/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	90	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	104	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	112	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
Chloromethane	ND	80		µg/L	11/12/2019	VOCs by EPA 8260C
Vinyl chloride	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
Chloroethane	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
Bromomethane	ND	80		µg/L	11/12/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
Acetone	ND	400		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	200		µg/L	11/12/2019	VOCs by EPA 8260C
Dichloromethane	ND	80		µg/L	11/12/2019	VOCs by EPA 8260C
Freon-113	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
Carbon disulfide	ND	100		µg/L	11/12/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
Vinyl acetate	ND	2,000		µg/L	11/12/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	400		µg/L	11/12/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	32	20		µg/L	11/12/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
Bromochloromethane	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
Chloroform	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
Benzene	3,900	10		µg/L	11/12/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
Dibromomethane	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
Trichloroethene	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	100		µg/L	11/12/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
Toluene	12	10		µg/L	11/12/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
2-Hexanone	ND	200		µg/L	11/12/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	80		µg/L	11/12/2019	VOCs by EPA 8260C



Alpha Analytical, Inc.

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Analytical Report

WO#: CHH1911050

Report Date: 12/2/2019

CLIENT:**Collection Date:** 11/1/2019 2:06:00 PM**Project:** DFSP Norwalk**Lab ID:** 1911050-18**Matrix:** AQUEOUS**Client Sample ID** GMW-O-21

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
Chlorobenzene	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
Ethylbenzene	120	10		µg/L	11/12/2019	VOCs by EPA 8260C
m,p-Xylene	79	10		µg/L	11/12/2019	VOCs by EPA 8260C
Bromoform	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
Xylenes, Total	79	10		µg/L	11/12/2019	VOCs by EPA 8260C
Styrene	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
o-Xylene	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	80		µg/L	11/12/2019	VOCs by EPA 8260C
Isopropylbenzene	27	20		µg/L	11/12/2019	VOCs by EPA 8260C
Bromobenzene	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
n-Propylbenzene	59	20		µg/L	11/12/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	51	20		µg/L	11/12/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	38	20		µg/L	11/12/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	120		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	80		µg/L	11/12/2019	VOCs by EPA 8260C
Naphthalene	210	80		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	80		µg/L	11/12/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	90	70-130		%Rec	11/12/2019	VOCs by EPA 8260C
Surr: Toluene-d8	104	70-130		%Rec	11/12/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	112	70-130		%Rec	11/12/2019	VOCs by EPA 8260C

NOTES:

Reporting Limits were increased due to high concentrations of target analytes.



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Analytical Report

WO#: CHH1911050

Report Date: 12/2/2019

CLIENT:**Collection Date:** 11/1/2019**Project:** DFSP Norwalk**Lab ID:** 1911050-20**Matrix:** AQUEOUS**Client Sample ID** DUP-4

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	1.2	0.050	K	mg/L	11/13/2019	TPH-E by EPA 8015C
Surr: Nonane	111	63-125		%Rec	11/13/2019	TPH-E by EPA 8015C
TPH-P (GRO)	7.0	2.0		mg/L	11/12/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	84	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	103	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	11/12/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
Chloromethane	ND	80		µg/L	11/12/2019	VOCs by EPA 8260C
Vinyl chloride	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
Chloroethane	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
Bromomethane	ND	80		µg/L	11/12/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
Acetone	ND	400		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	200		µg/L	11/12/2019	VOCs by EPA 8260C
Dichloromethane	ND	80		µg/L	11/12/2019	VOCs by EPA 8260C
Freon-113	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
Carbon disulfide	ND	100		µg/L	11/12/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
Vinyl acetate	ND	2,000		µg/L	11/12/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	400		µg/L	11/12/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	29	20		µg/L	11/12/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
Bromochloromethane	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
Chloroform	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
Benzene	3,500	10		µg/L	11/12/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
Dibromomethane	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
Trichloroethene	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	100		µg/L	11/12/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
Toluene	11	10		µg/L	11/12/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
2-Hexanone	ND	200		µg/L	11/12/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	80		µg/L	11/12/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911050

Report Date: 12/2/2019

CLIENT:**Collection Date:** 11/1/2019**Project:** DFSP Norwalk**Lab ID:** 1911050-20**Matrix:** AQUEOUS**Client Sample ID** DUP-4

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Tetrachloroethene	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
Chlorobenzene	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
Ethylbenzene	120	10		µg/L	11/12/2019	VOCs by EPA 8260C
m,p-Xylene	83	10		µg/L	11/12/2019	VOCs by EPA 8260C
Bromoform	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
Xylenes, Total	83	10		µg/L	11/12/2019	VOCs by EPA 8260C
Styrene	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
o-Xylene	ND	10		µg/L	11/12/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	80		µg/L	11/12/2019	VOCs by EPA 8260C
Isopropylbenzene	24	20		µg/L	11/12/2019	VOCs by EPA 8260C
Bromobenzene	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
n-Propylbenzene	53	20		µg/L	11/12/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	47	20		µg/L	11/12/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	31	20		µg/L	11/12/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	20		µg/L	11/12/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	120		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	80		µg/L	11/12/2019	VOCs by EPA 8260C
Naphthalene	180	80		µg/L	11/12/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	80		µg/L	11/12/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	84	70-130		%Rec	11/12/2019	VOCs by EPA 8260C
Surr: Toluene-d8	103	70-130		%Rec	11/12/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	11/12/2019	VOCs by EPA 8260C

NOTES:

Reporting Limits were increased due to high concentrations of target analytes.



Alpha Analytical, Inc.

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255 Glendale Ave. - Suite 21 - Sparks, Nevada 89431-5578

Analytical Report

WO#: CHH1911050

Report Date: 12/2/2019

CLIENT:**Collection Date:** 11/1/2019 7:00:00 AM**Project:** DFSP Norwalk**Lab ID:** 1911050-21**Matrix:** AQUEOUS**Client Sample ID** TB-3

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-P (GRO)	ND	0.050		mg/L	11/13/2019	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	90	70-130		%Rec	11/13/2019	TPH-P by EPA 8015C
Surr: Toluene-d8	96	70-130		%Rec	11/13/2019	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	111	70-130		%Rec	11/13/2019	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
Chloromethane	ND	2.0		µg/L	11/13/2019	VOCs by EPA 8260C
Vinyl chloride	ND	0.50		µg/L	11/13/2019	VOCs by EPA 8260C
Chloroethane	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
Bromomethane	ND	2.0		µg/L	11/13/2019	VOCs by EPA 8260C
Trichlorofluoromethane	ND	10		µg/L	11/13/2019	VOCs by EPA 8260C
Acetone	ND	10		µg/L	11/13/2019	VOCs by EPA 8260C
1,1-Dichloroethene	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	11/13/2019	VOCs by EPA 8260C
Dichloromethane	ND	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
Freon-113	ND	10		µg/L	11/13/2019	VOCs by EPA 8260C
Carbon disulfide	ND	2.5		µg/L	11/13/2019	VOCs by EPA 8260C
trans-1,2-Dichloroethene	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	11/13/2019	VOCs by EPA 8260C
1,1-Dichloroethane	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
Vinyl acetate	ND	50		µg/L	11/13/2019	VOCs by EPA 8260C
2-Butanone (MEK)	ND	10		µg/L	11/13/2019	VOCs by EPA 8260C
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
cis-1,2-Dichloroethene	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
Bromochloromethane	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
Chloroform	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
2,2-Dichloropropane	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
1,2-Dichloroethane	ND	0.50		µg/L	11/13/2019	VOCs by EPA 8260C
1,1,1-Trichloroethane	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
1,1-Dichloropropene	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
Carbon tetrachloride	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
Benzene	ND	0.50		µg/L	11/13/2019	VOCs by EPA 8260C
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
Dibromomethane	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
1,2-Dichloropropane	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
Trichloroethene	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
Bromodichloromethane	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	11/13/2019	VOCs by EPA 8260C
cis-1,3-Dichloropropene	ND	0.50		µg/L	11/13/2019	VOCs by EPA 8260C
trans-1,3-Dichloropropene	ND	0.50		µg/L	11/13/2019	VOCs by EPA 8260C
1,1,2-Trichloroethane	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
Toluene	ND	0.50		µg/L	11/13/2019	VOCs by EPA 8260C
1,3-Dichloropropane	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
2-Hexanone	ND	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
Dibromochloromethane	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	11/13/2019	VOCs by EPA 8260C
Tetrachloroethene	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C



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Analytical Report

WO#: CHH1911050

Report Date: 12/2/2019

CLIENT:

Collection Date: 11/1/2019 7:00:00 AM

Project: DFSP Norwalk

Lab ID: 1911050-21

Matrix: AQUEOUS

Client Sample ID TB-3

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Chlorobenzene	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
Ethylbenzene	ND	0.50		µg/L	11/13/2019	VOCs by EPA 8260C
m,p-Xylene	ND	0.50		µg/L	11/13/2019	VOCs by EPA 8260C
Bromoform	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
Xylenes, Total	ND	0.50		µg/L	11/13/2019	VOCs by EPA 8260C
Styrene	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
o-Xylene	ND	0.50		µg/L	11/13/2019	VOCs by EPA 8260C
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
1,2,3-Trichloropropane	ND	2.0		µg/L	11/13/2019	VOCs by EPA 8260C
Isopropylbenzene	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
Bromobenzene	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
n-Propylbenzene	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
4-Chlorotoluene	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
2-Chlorotoluene	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
1,3,5-Trimethylbenzene	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
tert-Butylbenzene	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
1,2,4-Trimethylbenzene	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
sec-Butylbenzene	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
1,3-Dichlorobenzene	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
1,4-Dichlorobenzene	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
4-Isopropyltoluene	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
1,2-Dichlorobenzene	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
n-Butylbenzene	ND	1.0		µg/L	11/13/2019	VOCs by EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	11/13/2019	VOCs by EPA 8260C
1,2,4-Trichlorobenzene	ND	2.0		µg/L	11/13/2019	VOCs by EPA 8260C
Naphthalene	ND	10		µg/L	11/13/2019	VOCs by EPA 8260C
1,2,3-Trichlorobenzene	ND	2.0		µg/L	11/13/2019	VOCs by EPA 8260C
Surr: 1,2-Dichloroethane-d4	90	70-130		%Rec	11/13/2019	VOCs by EPA 8260C
Surr: Toluene-d8	96	70-130		%Rec	11/13/2019	VOCs by EPA 8260C
Surr: 4-Bromofluorobenzene	111	70-130		%Rec	11/13/2019	VOCs by EPA 8260C



Client:

Project: DFSP Norwalk

TestCode: TPH/E_W

Sample ID: MB-9778	SampType: MBLK	TestCode: TPH/E_W	Units: mg/L
Client ID: PBW	Batch ID: 9778	TestNo: SW8015	SW8015
Prep Date: 11/12/2019	RunNo: 8258	SeqNo: 248711	
Analysis Date: 11/12/2019			

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	0.15		0.15		97.3	63	125				

Sample ID: LCS-9778	SampType: LCS	TestCode: TPH/E_W	Units: mg/L
Client ID: LCSW	Batch ID: 9778	TestNo: SW8015	SW8015
Prep Date: 11/12/2019	RunNo: 8258	SeqNo: 248712	
Analysis Date: 11/12/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-E (DRO)	2.85	0.05	2.5	0	114	89.6	123				
Surr: Nonane	0.128		0.15		85.3	60	129				

Sample ID: 1911050-03AMSD	SampType: MSD	TestCode: TPH/E_W	Units: mg/L
Client ID: GMW-O-1MSD	Batch ID: 9778	TestNo: SW8015	SW8015
Prep Date: 11/12/2019	RunNo: 8258	SeqNo: 248717	
Analysis Date: 11/12/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-E (DRO)	2.82	0.1	2.5	0	113	79	140	2.96	4.9	8	
Surr: Nonane	0.319		0.3		106	68.8	128	0.321	0	0	

Sample ID: 1911050-03AMS	SampType: MS	TestCode: TPH/E_W	Units: mg/L
Client ID: GMW-O-1MS	Batch ID: 9778	TestNo: SW8015	SW8015
Prep Date: 11/12/2019	RunNo: 8258	SeqNo: 248716	
Analysis Date: 11/12/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-E (DRO)	2.96	0.1	2.5	0	118	79	140				
Surr: Nonane	0.321		0.3		107	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#: 1911050

02-Dec-19

Client:

Project: DFSP Norwalk

TestCode: TPH/P_W

Sample ID: MB-9779	SampType: MBLK	TestCode: TPH/P_W	Units: mg/L
Client ID: PBW	Batch ID: A9779B	TestNo: SW8015	
Prep Date: 11/12/2019	RunNo: 8264	SeqNo: 248834	
Analysis Date: 11/12/2019			

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	0.0086		0.01		86.1	69.51	130.49				
Surr: Toluene-d8	0.01		0.01		102	69.51	130.49				
Surr: 4-Bromofluorobenzene	0.01		0.01		104	69.51	130.49				

Sample ID: GLCS-9779	SampType: GLCS	TestCode: TPH/P_W	Units: mg/L
Client ID: BatchQC	Batch ID: A9779B	TestNo: SW8015	
Prep Date: 11/12/2019	RunNo: 8264	SeqNo: 248833	
Analysis Date: 11/12/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-P (GRO)	0.389	0.05	0.4	0	97.3	73.9	126				
Surr: 1,2-Dichloroethane-d4	0.00876		0.01		87.6	69.51	130.49				
Surr: Toluene-d8	0.0101		0.01		101	69.51	130.49				
Surr: 4-Bromofluorobenzene	0.0112		0.01		112	69.51	130.49				

Sample ID: 1911050-03AGSD	SampType: GSD	TestCode: TPH/P_W	Units: mg/L
Client ID: GMW-O-1	Batch ID: A9779B	TestNo: SW8015	
Prep Date: 11/12/2019	RunNo: 8264	SeqNo: 248853	
Analysis Date: 11/12/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-P (GRO)	1.7	0.25	2	0	85.2	60	125	1.63	4.4	28	
Surr: 1,2-Dichloroethane-d4	0.0452		0.05		90.5	69.51	130.49	0.0454	0	0	
Surr: Toluene-d8	0.0505		0.05		101	69.51	130.49	0.0505	0	0	
Surr: 4-Bromofluorobenzene	0.0544		0.05		109	69.51	130.49	0.0564	0	0	

Sample ID: 1911050-03AGS	SampType: GS	TestCode: TPH/P_W	Units: mg/L
Client ID: GMW-O-1	Batch ID: A9779B	TestNo: SW8015	
Prep Date: 11/12/2019	RunNo: 8264	SeqNo: 248852	
Analysis Date: 11/12/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-P (GRO)	1.63	0.25	2	0	81.6	60	125				
Surr: 1,2-Dichloroethane-d4	0.0454		0.05		90.8	69.51	130.49				
Surr: Toluene-d8	0.0505		0.05		101	69.51	130.49				
Surr: 4-Bromofluorobenzene	0.0564		0.05		113	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



QC SUMMARY REPORT

WO#: 1911050
 02-Dec-19

Client:

Project: DFSP Norwalk

TestCode: TPH/P_W

Sample ID: 1911050-03AGS	SampType: GS	TestCode: TPH/P_W	Units: mg/L								
Client ID: GMW-O-1	Batch ID: A9779B	TestNo: SW8015									
Prep Date: 11/12/2019	RunNo: 8264	SeqNo: 248852									
Analysis Date: 11/12/2019											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: MB-9782	SampType: MBLK	TestCode: TPH/P_W	Units: mg/L								
Client ID: PBW	Batch ID: A9782B	TestNo: SW8015									
Prep Date: 11/13/2019	RunNo: 8270	SeqNo: 248989									
Analysis Date: 11/13/2019											
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	0.0086		0.01		85.6	69.51	130.49				
Surr: Toluene-d8	0.01		0.01		103	69.51	130.49				
Surr: 4-Bromofluorobenzene	0.011		0.01		105	69.51	130.49				

Sample ID: GLCS-9782	SampType: GLCS	TestCode: TPH/P_W	Units: mg/L								
Client ID: BatchQC	Batch ID: A9782B	TestNo: SW8015									
Prep Date: 11/13/2019	RunNo: 8270	SeqNo: 248988									
Analysis Date: 11/13/2019											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH-P (GRO)	0.397	0.05	0.4	0	99.3	73.9	126				
Surr: 1,2-Dichloroethane-d4	0.00856		0.01		85.6	69.51	130.49				
Surr: Toluene-d8	0.0102		0.01		102	69.51	130.49				
Surr: 4-Bromofluorobenzene	0.0107		0.01		107	69.51	130.49				

Sample ID: 1911114-01AGSD	SampType: GSD	TestCode: TPH/P_W	Units: mg/L								
Client ID: BatchQC	Batch ID: A9782B	TestNo: SW8015									
Prep Date: 11/13/2019	RunNo: 8270	SeqNo: 248991									
Analysis Date: 11/13/2019											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH-P (GRO)	2.34	0.25	2	0	117	60	125	1.92	20	28	
Surr: 1,2-Dichloroethane-d4	0.042		0.05		84.0	69.51	130.49	0.0417	0	0	
Surr: Toluene-d8	0.0528		0.05		106	69.51	130.49	0.052	0	0	
Surr: 4-Bromofluorobenzene	0.0513		0.05		103	69.51	130.49	0.0545	0	0	

Qualifiers:
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 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#: 1911050
 02-Dec-19

Client:

Project: DFSP Norwalk

TestCode: TPH/P_W

Sample ID: 1911114-01AGS	SampType: GS	TestCode: TPH/P_W	Units: mg/L
Client ID: BatchQC	Batch ID: A9782B	TestNo: SW8015	
Prep Date: 11/13/2019	RunNo: 8270	SeqNo: 248990	
Analysis Date: 11/13/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-P (GRO)	1.92	0.25	2	0	95.9	60	125				
Surr: 1,2-Dichloroethane-d4	0.0417		0.05		83.5	69.51	130.49				
Surr: Toluene-d8	0.052		0.05		104	69.51	130.49				
Surr: 4-Bromofluorobenzene	0.0545		0.05		109	69.51	130.49				

Qualifiers:

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QC SUMMARY REPORT

WO#: 1911050
 02-Dec-19

Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: MB-9779	SampType: MBLK	TestCode: VOC_W	Units: µg/L
Client ID: PBW	Batch ID: A9779	TestNo: SW8260C	
Prep Date: 11/12/2019	RunNo: 8264	SeqNo: 248815	
Analysis Date: 11/12/2019			

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
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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#: 1911050
 02-Dec-19

Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: MB-9779	SampType: MBLK	TestCode: VOC_W	Units: µg/L
Client ID: PBW	Batch ID: A9779	TestNo: SW8260C	
Prep Date: 11/12/2019	RunNo: 8264	SeqNo: 248815	
Analysis Date: 11/12/2019			

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	8.6		10		86.1	69.51	130.49				
Surr: Toluene-d8	10		10		102	69.51	130.49				
Surr: 4-Bromofluorobenzene	10		10		104	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#: 1911050

02-Dec-19

Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: LCS-9779	SampType: LCS	TestCode: VOC_W	Units: µg/L
Client ID: LCSW	Batch ID: A9779	TestNo: SW8260C	
Prep Date: 11/12/2019	RunNo: 8264	SeqNo: 248814	
Analysis Date: 11/12/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	8.43	1	10	0	84.3	5.02	179				
Chloromethane	9.74	2	10	0	97.4	30.3	130				
Vinyl chloride	9.31	1	10	0	93.1	60.1	134				
Chloroethane	6.21	1	10	0	62.1	62.3	168				S
Bromomethane	7.8	2	10	0	78.0	7.3	151				
Trichlorofluoromethane	5.88	1	10	0	58.8	76.5	148				S
Acetone	174	10	200	0	86.8	63.6	118				
1,1-Dichloroethene	8.78	1	10	0	87.8	28.8	209				
Tertiary Butyl Alcohol (TBA)	74	10	100	0	74.0	49.5	128.49				
Dichloromethane	9.11	2	10	0	91.1	77	120				
Freon-113	8.74	1	10	0	87.4	64.1	165				
trans-1,2-Dichloroethene	9.04	1	10	0	90.4	79.5	127				
Methyl tert-butyl ether (MTBE)	8.17	0.5	10	0	81.7	69	125				
1,1-Dichloroethane	8.82	1	10	0	88.2	78.6	131				
2-Butanone (MEK)	144	10	200	0	72.2	74.6	126				S
Di-isopropyl Ether (DIPE)	9.11	1	10	0	91.1	79.5	121				
cis-1,2-Dichloroethene	8.51	1	10	0	85.1	79.5	122				
Bromochloromethane	8.02	1	10	0	80.2	75.9	125				
Chloroform	8.38	1	10	0	83.8	75	122				
Ethyl Tertiary Butyl Ether (ETBE)	8.61	1	10	0	86.1	75	123				
2,2-Dichloropropane	8.85	1	10	0	88.5	79.5	142				
1,2-Dichloroethane	8.23	1	10	0	82.3	74.2	130				
1,1,1-Trichloroethane	7.9	1	10	0	79.0	79.2	128				S
1,1-Dichloropropene	9.97	1	10	0	99.7	78	142				
Carbon tetrachloride	8.01	1	10	0	80.1	79.5	125				
Benzene	8.84	0.5	10	0	88.4	79.5	126				
Tertiary Amyl Methyl Ether (TAME)	9.22	1	10	0	92.2	69.5	128.49				
Dibromomethane	8.37	1	10	0	83.7	79.5	128				
1,2-Dichloropropane	9.54	1	10	0	95.4	78.1	131				
Trichloroethene	8.12	1	10	0	81.2	79.3	121				
Bromodichloromethane	8.32	1	10	0	83.2	79.5	122				
4-Methyl-2-pentanone (MIBK)	20.8	2.5	25	0	83.3	60.8	126				
cis-1,3-Dichloropropene	8.96	1	10	0	89.6	79.5	123				
trans-1,3-Dichloropropene	8.35	1	10	0	83.5	77.3	128				
1,1,2-Trichloroethane	8.62	1	10	0	86.2	75.1	122				
Toluene	9.95	0.5	10	0	99.5	79.7	121				
1,3-Dichloropropane	9.84	1	10	0	98.4	70.6	126				
2-Hexanone	94.4	5	100	0	94.4	58.1	131				
Dibromochloromethane	8.87	1	10	0	88.7	79.2	127				
1,2-Dibromoethane (EDB)	17.8	2	20	0	88.8	75.2	126				

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#: 1911050

02-Dec-19

Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: LCS-9779	SampType: LCS	TestCode: VOC_W	Units: µg/L
Client ID: LCSW	Batch ID: A9779	TestNo: SW8260C	
Prep Date: 11/12/2019	RunNo: 8264	SeqNo: 248814	
Analysis Date: 11/12/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	8.63	1	10	0	86.3	74.9	121				
1,1,1,2-Tetrachloroethane	8.57	1	10	0	85.7	79.5	123				
Chlorobenzene	8.2	1	10	0	82.0	79.5	119				
Ethylbenzene	8.42	0.5	10	0	84.2	79.5	120				
m,p-Xylene	8.43	0.5	10	0	84.3	79.5	122				
Bromoform	7.87	1	10	0	78.7	68.8	129				
Xylenes, Total	17.3	0.5	20	0	86.6	79.5	122				
Styrene	8.5	1	10	0	85.0	79.5	129				
o-Xylene	8.89	0.5	10	0	88.9	79.1	123				
1,1,2,2-Tetrachloroethane	9.79	1	10	0	97.9	73.8	135				
1,2,3-Trichloropropane	17.7	2	20	0	88.4	74.3	133				
Isopropylbenzene	10.2	1	10	0	102	72.1	133				
Bromobenzene	9.05	1	10	0	90.5	73.4	120				
n-Propylbenzene	9.37	1	10	0	93.7	76.3	129				
4-Chlorotoluene	9.9	1	10	0	99.0	79.5	124				
2-Chlorotoluene	9.4	1	10	0	94.0	79.5	123				
1,3,5-Trimethylbenzene	9.42	1	10	0	94.2	79.4	136				
tert-Butylbenzene	9.81	1	10	0	98.1	71.5	131				
1,2,4-Trimethylbenzene	9.84	1	10	0	98.4	79.5	132				
sec-Butylbenzene	9.41	1	10	0	94.1	65.7	135				
1,3-Dichlorobenzene	9.4	1	10	0	94.0	79.5	120				
1,4-Dichlorobenzene	9.44	1	10	0	94.4	79.5	119				
4-Isopropyltoluene	9.88	1	10	0	98.8	69.5	141				
1,2-Dichlorobenzene	9.49	1	10	0	94.9	75.7	121				
n-Butylbenzene	10.3	1	10	0	103	60.6	150				
1,2-Dibromo-3-chloropropane (DBCP)	48.1	3	50	0	96.2	60	130				
1,2,4-Trichlorobenzene	9.68	2	10	0	96.8	42.2	141				
Naphthalene	9.59	2	10	0	95.9	22.7	139				
1,2,3-Trichlorobenzene	10.1	2	10	0	101	17.8	156				
Surr: 1,2-Dichloroethane-d4	9.44		10		94.4	69.51	130.49				
Surr: Toluene-d8	10.4		10		104	69.51	130.49				
Surr: 4-Bromofluorobenzene	10.6		10		106	69.51	130.49				

Sample ID: 1911050-04AMSD	SampType: MSD	TestCode: VOC_W	Units: µg/L
Client ID: HL-2MSD	Batch ID: A9779	TestNo: SW8260C	
Prep Date: 11/13/2019	RunNo: 8264	SeqNo: 248918	
Analysis Date: 11/13/2019			

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#: 1911050

02-Dec-19

Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: 1911050-04AMSD	SampType: MSD	TestCode: VOC_W	Units: µg/L
Client ID: HL-2MSD	Batch ID: A9779	TestNo: SW8260C	
Prep Date: 11/13/2019	RunNo: 8264	SeqNo: 248918	
Analysis Date: 11/13/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	30.3	5	50	0	60.7	5.1	155	30.6	0.98	38	
Chloromethane	42.8	10	50	0	85.6	37.7	121	42	1.9	22.5	
Vinyl chloride	41.9	5	50	0	83.7	60.4	140	41.8	0.12	23.9	
Chloroethane	29.1	5	50	0	58.1	43.1	206	33.5	14	22.9	
Bromomethane	26.6	10	50	0	53.2	12.6	168	23.4	13	48	
Trichlorofluoromethane	28.5	5	50	0	57.1	58.6	163	28.3	0.77	33.3	S
Acetone	1050	50	1000	7.84	104	37.3	152	974	7.3	50	
1,1-Dichloroethene	46.1	5	50	0	92.1	69.8	158	45.9	0.26	21.7	
Tertiary Butyl Alcohol (TBA)	457	50	500	0	91.4	60.4	158	427	6.8	26.8	
Dichloromethane	50.8	10	50	0	102	71.7	132	48.2	5.2	20	
Freon-113	43.3	5	50	0	86.7	52.1	166	43.9	1.2	25.9	
trans-1,2-Dichloroethene	49.2	5	50	0	98.5	72	136	47.6	3.3	19.2	
Methyl tert-butyl ether (MTBE)	46.4	2.5	50	0	92.8	54.8	155	44.6	4	21.4	
1,1-Dichloroethane	51	5	50	0	102	76.9	140	47.6	7	18	
2-Butanone (MEK)	783	50	1000	5.22	77.8	73.7	142	781	0.26	20.9	
Di-isopropyl Ether (DIPE)	53.7	5	50	0	107	74.8	136	49.4	8.4	18.2	
cis-1,2-Dichloroethene	46.2	5	50	0	92.3	73.9	133	46.1	0.24	20.1	
Bromochloromethane	41.9	5	50	0	83.8	75.8	132	43	2.5	23.5	
Chloroform	44.6	5	50	0	89.3	74.3	130	44.9	0.63	18	
Ethyl Tertiary Butyl Ether (ETBE)	47.6	5	50	0	95.3	74.8	138	46.5	2.3	20.3	
2,2-Dichloropropane	46.2	5	50	0	92.5	53.9	146	46.5	0.54	52.3	
1,2-Dichloroethane	47.1	5	50	0	94.3	72.6	144	43.2	8.8	17.1	
1,1,1-Trichloroethane	41.6	5	50	0	83.2	70.2	138	41.7	0.26	22.2	
1,1-Dichloropropene	52	5	50	0	104	69.7	146	51.7	0.52	29.6	
Carbon tetrachloride	40.2	5	50	0	80.4	58.2	141	40.6	0.99	31.9	
Benzene	48.4	2.5	50	0	96.7	67.8	140	46.8	3.3	18.1	
Tertiary Amyl Methyl Ether (TAME)	51.6	5	50	0	103	72.3	144	48	7.4	20.6	
Dibromomethane	46.8	5	50	0	93.5	75.2	144	44.1	5.9	19.5	
1,2-Dichloropropane	54.3	5	50	0	109	75.3	144	51.2	6	19.7	
Trichloroethene	43	5	50	0	86.0	65.7	131	43.2	0.39	25.3	
Bromodichloromethane	47.1	5	50	0	94.2	70.2	141	44.3	6.1	20.5	
4-Methyl-2-pentanone (MIBK)	122	12.5	125	0	97.8	57.9	143	112	9.1	21.3	
cis-1,3-Dichloropropene	49.3	5	50	0	98.6	56.9	132	46.9	4.9	25.8	
trans-1,3-Dichloropropene	46.6	5	50	0	93.1	72	131	44.3	5	26.4	
1,1,2-Trichloroethane	46.1	5	50	0	92.2	74	130	45.4	1.6	21.9	
Toluene	58.6	2.5	50	0	117	67.2	131	51.5	13	18.3	
1,3-Dichloropropane	53.9	5	50	0	108	74.2	124	52.2	3.3	21.7	
2-Hexanone	529	25	500	0	106	66.7	135	511	3.5	20.9	
Dibromochloromethane	47.6	5	50	0	95.2	71.5	134	46.3	2.8	24.1	
1,2-Dibromoethane (EDB)	97.1	10	100	0	97.1	74.7	129	93.8	3.5	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#: 1911050

02-Dec-19

Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: 1911050-04AMSD	SampType: MSD	TestCode: VOC_W	Units: µg/L
Client ID: HL-2MSD	Batch ID: A9779	TestNo: SW8260C	
Prep Date: 11/13/2019	RunNo: 8264	SeqNo: 248918	
Analysis Date: 11/13/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	46.9	5	50	0	93.8	45.9	138	44	6.2	30.9	
1,1,1,2-Tetrachloroethane	46.5	5	50	0	92.9	75.7	125	44.6	4	22.6	
Chlorobenzene	44.7	5	50	0	89.5	73.7	120	42.9	4.1	23.1	
Ethylbenzene	46.1	2.5	50	0	92.1	70.3	122	44	4.5	25.3	
m,p-Xylene	46.2	2.5	50	0	92.4	52.9	136	44.3	4.2	26.6	
Bromoform	42.8	5	50	0	85.5	61.5	141	41.2	3.6	25	
Xylenes, Total	95	2.5	100	0	95.0	61	131	90.9	4.4	25.6	
Styrene	46.4	5	50	0	92.8	74	130	44.3	4.7	26	
o-Xylene	48.8	2.5	50	0	97.6	67.3	129	46.6	4.5	25	
1,1,2,2-Tetrachloroethane	54.1	5	50	0	108	62.4	153	51.4	5	24.6	
1,2,3-Trichloropropane	96.8	10	100	0	96.8	37.4	171	92.3	4.8	50	
Isopropylbenzene	54.4	5	50	0	109	63	132	55.2	1.5	33.1	
Bromobenzene	47.2	5	50	0	94.4	65.1	120	48.2	2.2	23.6	
n-Propylbenzene	49.4	5	50	0	98.9	58.2	128	49.9	0.85	32.4	
4-Chlorotoluene	52.5	5	50	0	105	63.9	127	53	0.93	29.1	
2-Chlorotoluene	50	5	50	0	99.9	63.2	126	50.4	0.86	28.9	
1,3,5-Trimethylbenzene	50.2	5	50	0	100	63.8	138	50.7	0.99	31.9	
tert-Butylbenzene	52.2	5	50	0	104	59.7	128	52	0.44	36.2	
1,2,4-Trimethylbenzene	52.9	5	50	0	106	65.1	135	52.9	0	28.8	
sec-Butylbenzene	49.4	5	50	0	98.8	55.5	128	48	2.8	40.9	
1,3-Dichlorobenzene	50	5	50	0	99.9	64.5	122	48.7	2.5	28.6	
1,4-Dichlorobenzene	49.8	5	50	0	99.5	63.7	121	48.5	2.5	27.7	
4-Isopropyltoluene	52.2	5	50	0	104	58	135	50.3	3.8	40.4	
1,2-Dichlorobenzene	51.2	5	50	0	102	66.7	122	48.7	5	24.5	
n-Butylbenzene	57	5	50	0	114	52.7	139	51.9	9.4	43.5	
1,2-Dibromo-3-chloropropane (DBCP)	291	15	250	0	117	59.1	143	259	12	24.9	
1,2,4-Trichlorobenzene	53.4	10	50	0	107	47.1	139	52.9	0.98	35	
Naphthalene	62.5	10	50	0	125	31.6	164	59.9	4.3	50	
1,2,3-Trichlorobenzene	59.5	10	50	0	119	17.7	171	58.8	1.1	57	
Surr: 1,2-Dichloroethane-d4	49.2		50		98.3	69.51	130.49	46.4	0	0	
Surr: Toluene-d8	54.8		50		110	69.51	130.49	51.2	0	0	
Surr: 4-Bromofluorobenzene	52.1		50		104	69.51	130.49	55.2	0	0	

Sample ID: 1911050-04AMS	SampType: MS	TestCode: VOC_W	Units: µg/L
Client ID: HL-2MS	Batch ID: A9779	TestNo: SW8260C	
Prep Date: 11/13/2019	RunNo: 8264	SeqNo: 248917	
Analysis Date: 11/13/2019			

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#: 1911050

02-Dec-19

Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: 1911050-04AMS	SampType: MS	TestCode: VOC_W	Units: µg/L
Client ID: HL-2MS	Batch ID: A9779	TestNo: SW8260C	
Prep Date: 11/13/2019	RunNo: 8264	SeqNo: 248917	
Analysis Date: 11/13/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	30.6	5	50	0	61.3	5.1	155				
Chloromethane	42	10	50	0	84.0	37.7	121				
Vinyl chloride	41.8	5	50	0	83.6	60.4	140				
Chloroethane	33.5	5	50	0	66.9	43.1	206				
Bromomethane	23.4	10	50	0	46.9	12.6	168				
Trichlorofluoromethane	28.3	5	50	0	56.6	58.6	163				S
Acetone	974	50	1000	7.84	96.6	37.3	152				
1,1-Dichloroethene	45.9	5	50	0	91.9	69.8	158				
Tertiary Butyl Alcohol (TBA)	427	50	500	0	85.4	60.4	158				
Dichloromethane	48.2	10	50	0	96.4	71.7	132				
Freon-113	43.9	5	50	0	87.8	52.1	166				
trans-1,2-Dichloroethene	47.6	5	50	0	95.3	72	136				
Methyl tert-butyl ether (MTBE)	44.6	2.5	50	0	89.1	54.8	155				
1,1-Dichloroethane	47.6	5	50	0	95.1	76.9	140				
2-Butanone (MEK)	781	50	1000	5.22	77.6	73.7	142				
Di-isopropyl Ether (DIPE)	49.4	5	50	0	98.8	74.8	136				
cis-1,2-Dichloroethene	46.1	5	50	0	92.1	73.9	133				
Bromochloromethane	43	5	50	0	85.9	75.8	132				
Chloroform	44.9	5	50	0	89.9	74.3	130				
Ethyl Tertiary Butyl Ether (ETBE)	46.5	5	50	0	93.1	74.8	138				
2,2-Dichloropropane	46.5	5	50	0	93.0	53.9	146				
1,2-Dichloroethane	43.2	5	50	0	86.4	72.6	144				
1,1,1-Trichloroethane	41.7	5	50	0	83.4	70.2	138				
1,1-Dichloropropene	51.7	5	50	0	103	69.7	146				
Carbon tetrachloride	40.6	5	50	0	81.2	58.2	141				
Benzene	46.8	2.5	50	0	93.6	67.8	140				
Tertiary Amyl Methyl Ether (TAME)	48	5	50	0	95.9	72.3	144				
Dibromomethane	44.1	5	50	0	88.2	75.2	144				
1,2-Dichloropropane	51.2	5	50	0	102	75.3	144				
Trichloroethene	43.2	5	50	0	86.3	65.7	131				
Bromodichloromethane	44.3	5	50	0	88.7	70.2	141				
4-Methyl-2-pentanone (MIBK)	112	12.5	125	0	89.3	57.9	143				
cis-1,3-Dichloropropene	46.9	5	50	0	93.9	56.9	132				
trans-1,3-Dichloropropene	44.3	5	50	0	88.6	72	131				
1,1,2-Trichloroethane	45.4	5	50	0	90.8	74	130				
Toluene	51.5	2.5	50	0	103	67.2	131				
1,3-Dichloropropane	52.2	5	50	0	104	74.2	124				
2-Hexanone	511	25	500	0	102	66.7	135				
Dibromochloromethane	46.3	5	50	0	92.6	71.5	134				
1,2-Dibromoethane (EDB)	93.8	10	100	0	93.8	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



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QC SUMMARY REPORT

WO#: 1911050

02-Dec-19

Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: 1911050-04AMS	SampType: MS	TestCode: VOC_W	Units: µg/L
Client ID: HL-2MS	Batch ID: A9779	TestNo: SW8260C	
Prep Date: 11/13/2019	RunNo: 8264	SeqNo: 248917	
Analysis Date: 11/13/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	44	5	50	0	88.1	45.9	138				
1,1,1,2-Tetrachloroethane	44.6	5	50	0	89.2	75.7	125				
Chlorobenzene	42.9	5	50	0	85.9	73.7	120				
Ethylbenzene	44	2.5	50	0	88.1	70.3	122				
m,p-Xylene	44.3	2.5	50	0	88.6	52.9	136				
Bromoform	41.2	5	50	0	82.5	61.5	141				
Xylenes, Total	90.9	2.5	100	0	90.9	61	131				
Styrene	44.3	5	50	0	88.5	74	130				
o-Xylene	46.6	2.5	50	0	93.3	67.3	129				
1,1,2,2-Tetrachloroethane	51.4	5	50	0	103	62.4	153				
1,2,3-Trichloropropane	92.3	10	100	0	92.3	37.4	171				
Isopropylbenzene	55.2	5	50	0	110	63	132				
Bromobenzene	48.2	5	50	0	96.5	65.1	120				
n-Propylbenzene	49.9	5	50	0	99.7	58.2	128				
4-Chlorotoluene	53	5	50	0	106	63.9	127				
2-Chlorotoluene	50.4	5	50	0	101	63.2	126				
1,3,5-Trimethylbenzene	50.7	5	50	0	101	63.8	138				
tert-Butylbenzene	52	5	50	0	104	59.7	128				
1,2,4-Trimethylbenzene	52.9	5	50	0	106	65.1	135				
sec-Butylbenzene	48	5	50	0	96.1	55.5	128				
1,3-Dichlorobenzene	48.7	5	50	0	97.4	64.5	122				
1,4-Dichlorobenzene	48.5	5	50	0	97.1	63.7	121				
4-Isopropyltoluene	50.3	5	50	0	101	58	135				
1,2-Dichlorobenzene	48.7	5	50	0	97.4	66.7	122				
n-Butylbenzene	51.9	5	50	0	104	52.7	139				
1,2-Dibromo-3-chloropropane (DBCP)	259	15	250	0	103	59.1	143				
1,2,4-Trichlorobenzene	52.9	10	50	0	106	47.1	139				
Naphthalene	59.9	10	50	0	120	31.6	164				
1,2,3-Trichlorobenzene	58.8	10	50	0	118	17.7	171				
Surr: 1,2-Dichloroethane-d4	46.4		50		92.8	69.51	130.49				
Surr: Toluene-d8	51.2		50		102	69.51	130.49				
Surr: 4-Bromofluorobenzene	55.2		50		110	69.51	130.49				

Sample ID: MB-9782	SampType: MBLK	TestCode: VOC_W	Units: µg/L
Client ID: PBW	Batch ID: A9782	TestNo: SW8260C	
Prep Date: 11/13/2019	RunNo: 8270	SeqNo: 248976	
Analysis Date: 11/13/2019			

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#: 1911050
02-Dec-19

Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: MB-9782	SampType: MBLK	TestCode: VOC_W	Units: µg/L
Client ID: PBW	Batch ID: A9782	TestNo: SW8260C	
Prep Date: 11/13/2019	RunNo: 8270	SeqNo: 248976	
Analysis Date: 11/13/2019			

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#: 1911050
 02-Dec-19

Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: MB-9782	SampType: MBLK	TestCode: VOC_W	Units: µg/L
Client ID: PBW	Batch ID: A9782	TestNo: SW8260C	
Prep Date: 11/13/2019	RunNo: 8270	SeqNo: 248976	
Analysis Date: 11/13/2019			

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	8.6		10		85.6	69.51	130.49				
Surr: Toluene-d8	10		10		103	69.51	130.49				
Surr: 4-Bromofluorobenzene	11		10		105	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#: 1911050

02-Dec-19

Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: LCS-9782	SampType: LCS	TestCode: VOC_W	Units: µg/L
Client ID: LCSW	Batch ID: A9782	TestNo: SW8260C	
Prep Date: 11/13/2019	RunNo: 8270	SeqNo: 248975	
Analysis Date: 11/13/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	8.21	1	10	0	82.1	5.02	179				
Chloromethane	9.32	2	10	0	93.2	30.3	130				
Vinyl chloride	9.01	1	10	0	90.1	60.1	134				
Chloroethane	10.2	1	10	0	102	62.3	168				
Bromomethane	5.91	2	10	0	59.1	7.3	151				
Trichlorofluoromethane	6.11	1	10	0	61.1	76.5	148				S
Acetone	187	10	200	0	93.5	63.6	118				
1,1-Dichloroethene	9.68	1	10	0	96.8	28.8	209				
Tertiary Butyl Alcohol (TBA)	79.6	10	100	0	79.6	49.5	128.49				
Dichloromethane	10	2	10	0	100	77	120				
Freon-113	9.06	1	10	0	90.6	64.1	165				
trans-1,2-Dichloroethene	9.96	1	10	0	99.6	79.5	127				
Methyl tert-butyl ether (MTBE)	9.05	0.5	10	0	90.5	69	125				
1,1-Dichloroethane	9.66	1	10	0	96.6	78.6	131				
2-Butanone (MEK)	156	10	200	0	78.0	74.6	126				
Di-isopropyl Ether (DIPE)	9.98	1	10	0	99.8	79.5	121				
cis-1,2-Dichloroethene	9.18	1	10	0	91.8	79.5	122				
Bromochloromethane	9.06	1	10	0	90.6	75.9	125				
Chloroform	9.05	1	10	0	90.5	75	122				
Ethyl Tertiary Butyl Ether (ETBE)	9.59	1	10	0	95.9	75	123				
2,2-Dichloropropane	9.35	1	10	0	93.5	79.5	142				
1,2-Dichloroethane	8.74	1	10	0	87.4	74.2	130				
1,1,1-Trichloroethane	8.58	1	10	0	85.8	79.2	128				
1,1-Dichloropropene	10.7	1	10	0	107	78	142				
Carbon tetrachloride	8.51	1	10	0	85.1	79.5	125				
Benzene	9.56	0.5	10	0	95.6	79.5	126				
Tertiary Amyl Methyl Ether (TAME)	9.75	1	10	0	97.5	69.5	128.49				
Dibromomethane	9.15	1	10	0	91.5	79.5	128				
1,2-Dichloropropane	10.3	1	10	0	103	78.1	131				
Trichloroethene	9.05	1	10	0	90.5	79.3	121				
Bromodichloromethane	9.01	1	10	0	90.1	79.5	122				
4-Methyl-2-pentanone (MIBK)	22.3	2.5	25	0	89.4	60.8	126				
cis-1,3-Dichloropropene	9.68	1	10	0	96.8	79.5	123				
trans-1,3-Dichloropropene	9.17	1	10	0	91.7	77.3	128				
1,1,2-Trichloroethane	9.48	1	10	0	94.8	75.1	122				
Toluene	10.8	0.5	10	0	108	79.7	121				
1,3-Dichloropropane	10.9	1	10	0	109	70.6	126				
2-Hexanone	102	5	100	0	102	58.1	131				
Dibromochloromethane	10.2	1	10	0	102	79.2	127				
1,2-Dibromoethane (EDB)	20.1	2	20	0	100	75.2	126				

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#: 1911050

02-Dec-19

Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: LCS-9782	SampType: LCS	TestCode: VOC_W	Units: µg/L
Client ID: LCSW	Batch ID: A9782	TestNo: SW8260C	
Prep Date: 11/13/2019	RunNo: 8270	SeqNo: 248975	
Analysis Date: 11/13/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	9.43	1	10	0	94.3	74.9	121				
1,1,1,2-Tetrachloroethane	9.58	1	10	0	95.8	79.5	123				
Chlorobenzene	9.15	1	10	0	91.5	79.5	119				
Ethylbenzene	9.24	0.5	10	0	92.4	79.5	120				
m,p-Xylene	9.49	0.5	10	0	94.9	79.5	122				
Bromoform	9	1	10	0	90.0	68.8	129				
Xylenes, Total	19.4	0.5	20	0	97.0	79.5	122				
Styrene	9.57	1	10	0	95.7	79.5	129				
o-Xylene	9.92	0.5	10	0	99.2	79.1	123				
1,1,2,2-Tetrachloroethane	10.7	1	10	0	107	73.8	135				
1,2,3-Trichloropropane	19	2	20	0	94.9	74.3	133				
Isopropylbenzene	11.4	1	10	0	114	72.1	133				
Bromobenzene	10.4	1	10	0	104	73.4	120				
n-Propylbenzene	10.5	1	10	0	105	76.3	129				
4-Chlorotoluene	11	1	10	0	110	79.5	124				
2-Chlorotoluene	10.5	1	10	0	105	79.5	123				
1,3,5-Trimethylbenzene	10.1	1	10	0	101	79.4	136				
tert-Butylbenzene	10.5	1	10	0	105	71.5	131				
1,2,4-Trimethylbenzene	10.7	1	10	0	107	79.5	132				
sec-Butylbenzene	9.97	1	10	0	99.7	65.7	135				
1,3-Dichlorobenzene	10.2	1	10	0	102	79.5	120				
1,4-Dichlorobenzene	10.2	1	10	0	102	79.5	119				
4-Isopropyltoluene	10.3	1	10	0	103	69.5	141				
1,2-Dichlorobenzene	10.1	1	10	0	101	75.7	121				
n-Butylbenzene	10.2	1	10	0	102	60.6	150				
1,2-Dibromo-3-chloropropane (DBCP)	51.5	3	50	0	103	60	130				
1,2,4-Trichlorobenzene	9.63	2	10	0	96.3	42.2	141				
Naphthalene	10.1	2	10	0	101	22.7	139				
1,2,3-Trichlorobenzene	9.84	2	10	0	98.4	17.8	156				
Surr: 1,2-Dichloroethane-d4	9.21		10		92.1	69.51	130.49				
Surr: Toluene-d8	10.4		10		104	69.51	130.49				
Surr: 4-Bromofluorobenzene	11		10		110	69.51	130.49				

Sample ID: 1911114-01AMSD	SampType: MSD	TestCode: VOC_W	Units: µg/L
Client ID: BatchQC	Batch ID: A9782	TestNo: SW8260C	
Prep Date: 11/13/2019	RunNo: 8270	SeqNo: 248978	
Analysis Date: 11/13/2019			

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



Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: 1911114-01AMSD	SampType: MSD	TestCode: VOC_W	Units: µg/L
Client ID: BatchQC	Batch ID: A9782	TestNo: SW8260C	
Prep Date: 11/13/2019	RunNo: 8270	SeqNo: 248978	
Analysis Date: 11/13/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	34.5	5	50	0	69.1	5.1	155	33.7	2.4	38	
Chloromethane	48.3	10	50	0	96.6	37.7	121	50.2	3.8	22.5	
Vinyl chloride	46.7	5	50	0	93.4	60.4	140	48.7	4	23.9	
Chloroethane	31.5	5	50	0	63.0	43.1	206	31.7	0.7	22.9	
Bromomethane	40	10	50	0	80.0	12.6	168	31.2	25	48	
Trichlorofluoromethane	33.8	5	50	0	67.5	58.6	163	36.6	8.1	33.3	
Acetone	1190	50	1000	6.76	118	37.3	152	1180	0.57	50	
1,1-Dichloroethene	54	5	50	0	108	69.8	158	55.1	2	21.7	
Tertiary Butyl Alcohol (TBA)	533	50	500	16.1	103	60.4	158	532	0.062	26.8	
Dichloromethane	58.2	10	50	0	116	71.7	132	58	0.22	20	
Freon-113	48.7	5	50	0	97.4	52.1	166	47.8	1.9	25.9	
trans-1,2-Dichloroethene	56.1	5	50	0	112	72	136	56.9	1.4	19.2	
Methyl tert-butyl ether (MTBE)	53.6	2.5	50	0	107	54.8	155	53	1.1	21.4	
1,1-Dichloroethane	58	5	50	0	116	76.9	140	59.5	2.6	18	
2-Butanone (MEK)	854	50	1000	0	85.4	73.7	142	945	10	20.9	
Di-isopropyl Ether (DIPE)	67.7	5	50	5.16	125	74.8	136	67.4	0.5	18.2	
cis-1,2-Dichloroethene	49.8	5	50	0	99.5	73.9	133	54.3	8.7	20.1	
Bromochloromethane	47.8	5	50	0	95.6	75.8	132	48.8	2.1	23.5	
Chloroform	49	5	50	0	98.0	74.3	130	54.5	11	18	
Ethyl Tertiary Butyl Ether (ETBE)	57.3	5	50	0	115	74.8	138	57.1	0.24	20.3	
2,2-Dichloropropane	46.5	5	50	0	92.9	53.9	146	53.6	14	52.3	
1,2-Dichloroethane	50	5	50	0	100	72.6	144	53.3	6.3	17.1	
1,1,1-Trichloroethane	45.7	5	50	0	91.5	70.2	138	50.4	9.7	22.2	
1,1-Dichloropropene	55.8	5	50	0	112	69.7	146	62.8	12	29.6	
Carbon tetrachloride	44.6	5	50	0	89.3	58.2	141	48.4	8	31.9	
Benzene	53	2.5	50	0	106	67.8	140	57.9	8.8	18.1	
Tertiary Amyl Methyl Ether (TAME)	54.6	5	50	0	109	72.3	144	59.5	8.5	20.6	
Dibromomethane	54.5	5	50	0	109	75.2	144	52.8	3.2	19.5	
1,2-Dichloropropane	63.8	5	50	0	128	75.3	144	62.7	1.9	19.7	
Trichloroethene	49.3	5	50	0	98.6	65.7	131	49.5	0.45	25.3	
Bromodichloromethane	55.1	5	50	0	110	70.2	141	53.6	2.9	20.5	
4-Methyl-2-pentanone (MIBK)	145	12.5	125	0	116	57.9	143	140	3.3	21.3	
cis-1,3-Dichloropropene	55.8	5	50	0	112	56.9	132	54.4	2.5	25.8	
trans-1,3-Dichloropropene	53.1	5	50	0	106	72	131	51.5	3.1	26.4	
1,1,2-Trichloroethane	56.5	5	50	0	113	74	130	54.2	4.1	21.9	
Toluene	59.4	2.5	50	0	119	67.2	131	63.2	6.1	18.3	
1,3-Dichloropropane	61.1	5	50	0	122	74.2	124	61.6	0.95	21.7	
2-Hexanone	627	25	500	0	125	66.7	135	631	0.59	20.9	
Dibromochloromethane	52	5	50	0	104	71.5	134	52.2	0.25	24.1	
1,2-Dibromoethane (EDB)	106	10	100	0	106	74.7	129	107	1.4	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#: 1911050

02-Dec-19

Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: 1911114-01AMSD	SampType: MSD	TestCode: VOC_W	Units: µg/L
Client ID: BatchQC	Batch ID: A9782	TestNo: SW8260C	
Prep Date: 11/13/2019	RunNo: 8270	SeqNo: 248978	
Analysis Date: 11/13/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	44.8	5	50	0	89.6	45.9	138	47.2	5.2	30.9	
1,1,1,2-Tetrachloroethane	50.4	5	50	0	101	75.7	125	51.3	1.7	22.6	
Chlorobenzene	48.3	5	50	0	96.6	73.7	120	49.4	2.3	23.1	
Ethylbenzene	50.4	2.5	50	0	101	70.3	122	52.5	4.1	25.3	
m,p-Xylene	49.3	2.5	50	0	98.7	52.9	136	50	1.4	26.6	
Bromoform	44.8	5	50	0	89.6	61.5	141	44	1.9	25	
Xylenes, Total	102	2.5	100	0	102	61	131	102	0.049	25.6	
Styrene	49.8	5	50	0	99.6	74	130	48.3	3	26	
o-Xylene	52.5	2.5	50	0	105	67.3	129	51.7	1.5	25	
1,1,2,2-Tetrachloroethane	59.6	5	50	0	119	62.4	153	53.1	12	24.6	
1,2,3-Trichloropropane	105	10	100	0	105	37.4	171	97.6	7.4	50	
Isopropylbenzene	67.8	5	50	0	136	63	132	59.7	13	33.1	S
Bromobenzene	58.5	5	50	0	117	65.1	120	53	9.8	23.6	
n-Propylbenzene	58.9	5	50	0	118	58.2	128	53	11	32.4	
4-Chlorotoluene	61.9	5	50	0	124	63.9	127	56.2	9.7	29.1	
2-Chlorotoluene	61.4	5	50	0	123	63.2	126	54.8	11	28.9	
1,3,5-Trimethylbenzene	61.5	5	50	0	123	63.8	138	54.1	13	31.9	
tert-Butylbenzene	62.4	5	50	0	125	59.7	128	54.9	13	36.2	
1,2,4-Trimethylbenzene	60.4	5	50	0	121	65.1	135	55.5	8.5	28.8	
sec-Butylbenzene	54.5	5	50	0	109	55.5	128	49.8	9	40.9	
1,3-Dichlorobenzene	55.1	5	50	0	110	64.5	122	51.4	7	28.6	
1,4-Dichlorobenzene	53.8	5	50	0	108	63.7	121	51.3	4.7	27.7	
4-Isopropyltoluene	56.9	5	50	0	114	58	135	51.6	9.7	40.4	
1,2-Dichlorobenzene	54.6	5	50	0	109	66.7	122	52.6	3.7	24.5	
n-Butylbenzene	51.8	5	50	0	104	52.7	139	51.8	0.077	43.5	
1,2-Dibromo-3-chloropropane (DBCP)	290	15	250	0	116	59.1	143	317	8.7	24.9	
1,2,4-Trichlorobenzene	53.1	10	50	0	106	47.1	139	47.1	12	35	
Naphthalene	62.8	10	50	0	126	31.6	164	59.4	5.4	50	
1,2,3-Trichlorobenzene	59	10	50	0	118	17.7	171	51.2	14	57	
Surr: 1,2-Dichloroethane-d4	41.5		50		83.0	69.51	130.49	44.3	0	0	
Surr: Toluene-d8	49.6		50		99.2	69.51	130.49	49.6	0	0	
Surr: 4-Bromofluorobenzene	60.9		50		122	69.51	130.49	52.5	0	0	

Sample ID: 1911114-01AMS	SampType: MS	TestCode: VOC_W	Units: µg/L
Client ID: BatchQC	Batch ID: A9782	TestNo: SW8260C	
Prep Date: 11/13/2019	RunNo: 8270	SeqNo: 248977	
Analysis Date: 11/13/2019			

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#: 1911050

02-Dec-19

Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: 1911114-01AMS	SampType: MS	TestCode: VOC_W	Units: µg/L
Client ID: BatchQC	Batch ID: A9782	TestNo: SW8260C	
Prep Date: 11/13/2019	RunNo: 8270	SeqNo: 248977	
Analysis Date: 11/13/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	33.7	5	50	0	67.5	5.1	155				
Chloromethane	50.2	10	50	0	100	37.7	121				
Vinyl chloride	48.7	5	50	0	97.3	60.4	140				
Chloroethane	31.7	5	50	0	63.5	43.1	206				
Bromomethane	31.2	10	50	0	62.3	12.6	168				
Trichlorofluoromethane	36.6	5	50	0	73.2	58.6	163				
Acetone	1180	50	1000	6.76	118	37.3	152				
1,1-Dichloroethene	55.1	5	50	0	110	69.8	158				
Tertiary Butyl Alcohol (TBA)	532	50	500	16.1	103	60.4	158				
Dichloromethane	58	10	50	0	116	71.7	132				
Freon-113	47.8	5	50	0	95.6	52.1	166				
trans-1,2-Dichloroethene	56.9	5	50	0	114	72	136				
Methyl tert-butyl ether (MTBE)	53	2.5	50	0	106	54.8	155				
1,1-Dichloroethane	59.5	5	50	0	119	76.9	140				
2-Butanone (MEK)	945	50	1000	0	94.5	73.7	142				
Di-isopropyl Ether (DIPE)	67.4	5	50	5.16	124	74.8	136				
cis-1,2-Dichloroethene	54.3	5	50	0	109	73.9	133				
Bromochloromethane	48.8	5	50	0	97.6	75.8	132				
Chloroform	54.5	5	50	0	109	74.3	130				
Ethyl Tertiary Butyl Ether (ETBE)	57.1	5	50	0	114	74.8	138				
2,2-Dichloropropane	53.6	5	50	0	107	53.9	146				
1,2-Dichloroethane	53.3	5	50	0	107	72.6	144				
1,1,1-Trichloroethane	50.4	5	50	0	101	70.2	138				
1,1-Dichloropropene	62.8	5	50	0	126	69.7	146				
Carbon tetrachloride	48.4	5	50	0	96.7	58.2	141				
Benzene	57.9	2.5	50	0	116	67.8	140				
Tertiary Amyl Methyl Ether (TAME)	59.5	5	50	0	119	72.3	144				
Dibromomethane	52.8	5	50	0	106	75.2	144				
1,2-Dichloropropane	62.7	5	50	0	125	75.3	144				
Trichloroethene	49.5	5	50	0	99.1	65.7	131				
Bromodichloromethane	53.6	5	50	0	107	70.2	141				
4-Methyl-2-pentanone (MIBK)	140	12.5	125	0	112	57.9	143				
cis-1,3-Dichloropropene	54.4	5	50	0	109	56.9	132				
trans-1,3-Dichloropropene	51.5	5	50	0	103	72	131				
1,1,2-Trichloroethane	54.2	5	50	0	108	74	130				
Toluene	63.2	2.5	50	0	126	67.2	131				
1,3-Dichloropropane	61.6	5	50	0	123	74.2	124				
2-Hexanone	631	25	500	0	126	66.7	135				
Dibromochloromethane	52.2	5	50	0	104	71.5	134				
1,2-Dibromoethane (EDB)	107	10	100	0	107	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#: 1911050

02-Dec-19

Client:

Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: 1911114-01AMS	SampType: MS	TestCode: VOC_W	Units: µg/L
Client ID: BatchQC	Batch ID: A9782	TestNo: SW8260C	
Prep Date: 11/13/2019	RunNo: 8270	SeqNo: 248977	
Analysis Date: 11/13/2019			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	47.2	5	50	0	94.4	45.9	138				
1,1,1,2-Tetrachloroethane	51.3	5	50	0	103	75.7	125				
Chlorobenzene	49.4	5	50	0	98.8	73.7	120				
Ethylbenzene	52.5	2.5	50	0	105	70.3	122				
m,p-Xylene	50	2.5	50	0	100	52.9	136				
Bromoform	44	5	50	0	87.9	61.5	141				
Xylenes, Total	102	2.5	100	0	102	61	131				
Styrene	48.3	5	50	0	96.7	74	130				
o-Xylene	51.7	2.5	50	0	103	67.3	129				
1,1,2,2-Tetrachloroethane	53.1	5	50	0	106	62.4	153				
1,2,3-Trichloropropane	97.6	10	100	0	97.6	37.4	171				
Isopropylbenzene	59.7	5	50	0	119	63	132				
Bromobenzene	53	5	50	0	106	65.1	120				
n-Propylbenzene	53	5	50	0	106	58.2	128				
4-Chlorotoluene	56.2	5	50	0	112	63.9	127				
2-Chlorotoluene	54.8	5	50	0	110	63.2	126				
1,3,5-Trimethylbenzene	54.1	5	50	0	108	63.8	138				
tert-Butylbenzene	54.9	5	50	0	110	59.7	128				
1,2,4-Trimethylbenzene	55.5	5	50	0	111	65.1	135				
sec-Butylbenzene	49.8	5	50	0	99.5	55.5	128				
1,3-Dichlorobenzene	51.4	5	50	0	103	64.5	122				
1,4-Dichlorobenzene	51.3	5	50	0	103	63.7	121				
4-Isopropyltoluene	51.6	5	50	0	103	58	135				
1,2-Dichlorobenzene	52.6	5	50	0	105	66.7	122				
n-Butylbenzene	51.8	5	50	0	104	52.7	139				
1,2-Dibromo-3-chloropropane (DBCP)	317	15	250	0	127	59.1	143				
1,2,4-Trichlorobenzene	47.1	10	50	0	94.3	47.1	139				
Naphthalene	59.4	10	50	0	119	31.6	164				
1,2,3-Trichlorobenzene	51.2	10	50	0	102	17.7	171				
Surr: 1,2-Dichloroethane-d4	44.3		50		88.7	69.51	130.49				
Surr: Toluene-d8	49.6		50		99.3	69.51	130.49				
Surr: 4-Bromofluorobenzene	52.5		50		105	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#: 1911050
Date: 11/14/2019

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.

AMENDED #2

CA

WORKORDER SUMMARY

Report CC's Benny Pataray
 Danny Hill
 Eric Davis
 Nils Orliczky

WorkOrder: CHH1911050
 Report Due By: 14-Nov-19
 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: 05-Nov-19

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha Sub	TAT	HOLD	Requested Tests			Sample Remarks
							TPHE_W	TPHP_W	VOC_W	
CHH1911050-01	GMW-O-14	AQ	11/1/2019 12:30:00 PM	5	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911050-02	DUP-7	AQ	11/1/2019	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911050-03	GMW-O-1	AQ	11/1/2019 11:15:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911050-04	HL-2	AQ	11/1/2019 10:30:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911050-05	GMW-26	AQ	11/1/2019 9:17:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911050-06	GWR-1R	AQ	11/1/2019 8:42:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911050-07	DUP-2	AQ	11/1/2019	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911050-08	GMW-25	AQ	11/1/2019 8:10:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911050-09	EB-7	AQ	11/1/2019 3:30:00 PM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911050-10	EB-8	AQ	11/1/2019 1:00:00 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 11/11/19 to place sample -19 on hold. per Cody.EH Amended 12/2/19 to correct sample id -11. due to login error.EH

Logged in by: Edmund Signature E Hernandez Print Name E Hernandez Company Alpha Analytical, Inc. Date/Time 12-2-19 10:50

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

AMENDED #2

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles		HOLD	Requested Tests			Sample Remarks
				Alpha	Sub TAT		TPHE_W	TPHP_W	VOC_W	
CHH1911050-11	MM-SF-13	AQ	11/1/2019 8:07:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911050-12	GMW-9	AQ	11/1/2019 8:51:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911050-13	GMW-23	AQ	11/1/2019 9:39:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911050-14	GMW-28	AQ	11/1/2019 10:25:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911050-15	GMW-30	AQ	11/1/2019 11:07:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911050-16	GMW-O-10	AQ	11/1/2019 12:05:00 PM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911050-17	GMW-O-9	AQ	11/1/2019 1:10:00 PM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911050-18	GMW-O-21	AQ	11/1/2019 2:06:00 PM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911050-19	GMW-O-2	AQ	11/1/2019 3:14:00 PM	6	0	7	A - Hold			
CHH1911050-20	DUP-4	AQ	11/1/2019	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911050-21	TB-3	AQ	11/1/2019 7:00:00 AM	2	0	7		A - Partial	A - Partial	Client provided TBs.

Comments: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Amended 11/11/19 to place sample -19 on hold. per Cody.EH Amended 12/2/19 to correct sample id -11. due to login error.EH

Logged in by: Edmund Signature Edmund Print Name Edmund Company Alpha Analytical, Inc. Date/Time 12.2.19 10:50

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
 Nils Orliczky

WORKORDER SUMMARY

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: 05-Nov-19

CA
AMENDED

WorkOrder: CHH1911050
 Report Due By: 14-Nov-19
 EDD Required: YES

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles	Alpha Sub	TAT	HOLD	Requested Tests			Sample Remarks
								TPHE_W	TPHP_W	VOC_W	
CHH1911050-01	GMW-O-14	AQ	11/1/2019 12:30:00 PM	5	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911050-02	DUP-7	AQ	11/1/2019	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911050-03	GMW-O-1	AQ	11/1/2019 11:15:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911050-04	HL-2	AQ	11/1/2019 10:30:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911050-05	GMW-26	AQ	11/1/2019 9:17:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911050-06	GWR-1R	AQ	11/1/2019 8:42:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911050-07	DUP-2	AQ	11/1/2019	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911050-08	GMW-25	AQ	11/1/2019 8:10:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911050-09	EB-7	AQ	11/1/2019 3:30:00 PM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911050-10	EB-8	AQ	11/1/2019 1:00:00 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 11/11/19 to place sample -19 on hold. per Cody.EH

Logged in by: Ethenandit Signature: Ethenandit Print Name: Ethenandit Company: Alpha Analytical, Inc. Date/Time: 11.11.19 15:40

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

AMENDED

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles		HOLD	Requested Tests			Sample Remarks
				Alpha	Sub TAT		TPHE_W	TPHP_W	VOC_W	
CHH1911050-11	MW-SF-3	AQ	11/1/2019 8:07:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911050-12	GMW-9	AQ	11/1/2019 8:51:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911050-13	GMW-23	AQ	11/1/2019 9:39:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911050-14	GMW-28	AQ	11/1/2019 10:25:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911050-15	GMW-30	AQ	11/1/2019 11:07:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911050-16	GMW-O-10	AQ	11/1/2019 12:05:00 PM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911050-17	GMW-O-9	AQ	11/1/2019 1:10:00 PM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911050-18	GMW-O-21	AQ	11/1/2019 2:06:00 PM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911050-19	GMW-O-2	AQ	11/1/2019 3:14:00 PM	6	0	7	A - Hold			
CHH1911050-20	DUP-4	AQ	11/1/2019	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911050-21	TB-3	AQ	11/1/2019 7:00:00 AM	2	0	7		A - Partial	A - Partial	Client provided TBs.

Comments: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Amended 11/11/19 to place sample -19 on hold. per Cody.EH

Logged in by:		Print Name	Date/Time
	Ebnendur	Ebnendur	11-11-19 15:40
		Company	
		Alpha Analytical, Inc.	

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
 Nils Orliczky

WORKORDER SUMMARY

CA

WorkOrder: CHH1911050
 Report Due By: 14-Nov-19
 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: 05-Nov-19

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	
CHH1911050-01	GMW-O-14	AQ	11/1/2019 12:30:00 PM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911050-02	DUP-7	AQ	11/1/2019	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911050-03	GMW-O-1	AQ	11/1/2019 11:15:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911050-04	HL-2	AQ	11/1/2019 10:30:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911050-05	GMW-26	AQ	11/1/2019 9:17:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911050-06	GWR-1R	AQ	11/1/2019 8:42:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911050-07	DUP-2	AQ	11/1/2019	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911050-08	GMW-25	AQ	11/1/2019 8:10:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911050-09	EB-7	AQ	11/1/2019 3:30:00 PM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH1911050-10	EB-8	AQ	11/1/2019 1:00:00 PM	6	0	7	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: E Hernandez Signature E Hernandez Print Name E Hernandez Company Alpha Analytical, Inc. Date/Time 11.5.19 10:40

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		
CHH1911050-11	MM-SF-3	AQ	11/1/2019 8:07:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911050-12	GMW-9	AQ	11/1/2019 8:51:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911050-13	GMW-23	AQ	11/1/2019 9:39:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911050-14	GMW-28	AQ	11/1/2019 10:25:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911050-15	GMW-30	AQ	11/1/2019 11:07:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911050-16	GMW-O-10	AQ	11/1/2019 12:05:00 PM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911050-17	GMW-O-9	AQ	11/1/2019 1:10:00 PM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911050-18	GMW-O-21	AQ	11/1/2019 2:06:00 PM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911050-19	GMW-O-2	AQ	11/1/2019 3:14:00 PM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911050-20	DUP-4	AQ	11/1/2019	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate		
CHH1911050-21	TB-3	AQ	11/1/2019 7:00:00 AM	2	0	7	A - Partial	A - Partial		Client provided TBs.

Comments: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values.

Logged in by: Edmunduz Signature: Edmunduz Print Name: Edmunduz Company: Alpha Analytical, Inc. Date/Time: 11.5.19 10:40

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

LAB ~~TestAmerica~~ COC 1 of 3

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

BLAINE
TECH SERVICES, INC.

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
Jacobs
2600 Michelson Drive
Suite 500
Irvine, CA 92612

CONDUCT ANALYSIS TO DETECT		ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
TPHg, TPHd (EPA 8015M)	X				CH1911050-01
VOC's & Oxygenates (EPA 8260B)	X				02
	X				03
	X				04
	X				05
	X				06
	X				07
	X				08
	X				09
	X				10

SAMPLE I.D.	DATE	TIME	MATRIX	#	Preservation	Type	CONTAINERS	RESULTS NEEDED NO LATER THAN	RECEIVED BY	TIME	DATE	TIME	
GMW-0-14	11-1-19	1230	AQ	6	HCL	VOA		Standard			11/24/19	0900	
DUP-7	11-1-19		AQ	6	HCL	VOA					11/24/19	1600	
GMW-0-1	11-1-19	1115	AQ	6	HCL	VOA					11-5-19	10:40	
HL-2	11-1-19	1030	AQ	6	HCL	VOA							
GMW-26	11-1-19	0917	AQ	6	HCL	VOA							
GMW-14	11-1-19	0812	AQ	6	HCL	VOA							
DUP-2	11-1-19		AQ	6	HCL	VOA							
GMW-25	11-1-19	0810	AQ	6	HCL	VOA							
EB-7	11/1/19	1530	AQ	6	HCC	VOA							
EB-8	11/1/19	1300	AQ	6	HCC	VOA							
SAMPLING COMPLETED	11/1/19	1600	PERFORMED BY Garrett Gravel					RECEIVED BY	0900				
RELEASED BY	Bryan Martinez												
RELEASED BY	1600												
RELEASED BY	FedEx												
RELEASED BY	Dmandak												
SHIPPED VIA	COOLER #												

ALPHA

TestAmerica COC 2 of 3

BLAINE
 TECH SERVICES, INC.
 1680 ROGERS AVENUE
 SAN JOSE, CALIFORNIA 95112-1105
 FAX (408) 573-7771
 PHONE (408) 573-0555

CHAIN OF CUSTODY
 CLIENT Kinder Morgan
 SITE DFSP Norwalk
 15306 Norwalk Blvd, Norwalk

LAB
 Billing Information:
 Kinder Morgan
 1100 Town and Country Rd.
 Orange CA 95112

Report to:
 Eric Davis
 Jacobs
 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-0-13	11/11/19	0807	AQ	6	HCL	VoA	X				CH1911050.11
GMW-0-9	11/11/19	0851	AQ	6	HCL	VoA	X				12
GMW-23	11/11/19	0939	AQ	6	HCL	VoA	X				13
GMW-28	11/11/19	1025	AQ	6	HCL	VoA	X				14
GMW-30	11/11/19	1107	AQ	6	HCL	VoA	X				15
GMW-0-10	11/11/19	1225	AQ	6	HCL	VoA	X				16
GMW-0-9	11/11/19	1310	AQ	6	HCL	VoA	X				17
GMW-0-21	11/11/19	1406	AQ	6	HCL	VoA	X				18
GMW-0-2	11/11/19	1514	AQ	6	HCL	VoA	X				19
Dub-4	11/11/19	--	AQ	6	HCL	VoA	X				20

RESULTS NEEDED
 NO LATER THAN

Standard

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
<i>[Signature]</i>	11/4/19	0900	<i>[Signature]</i>	11/4/19	0900
RELEASED BY			FEDEX	11/4/19	1600
RELEASED BY			<i>[Signature]</i>	11.5.19	10.40

SHIPPED VIA

COOLER #

TIME SENT

ALPHA

LAB **Test America** COC 3 of 3

BLAINE
 TECH SERVICES, INC.
 1680 ROGERS AVENUE
 SAN JOSE, CALIFORNIA 95112-1105
 FAX (408) 573-7771
 PHONE (408) 573-0555

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:
 Kinder Morgan Norwalk
 Eric Davis
 Jacobs
 2600 Michelson Drive
 Suite 500
 Irvine, CA 92612

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS		ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
				#	Preservation Type				
TB-3	11/11/19	0700	AQ Water	2	ICE				CHH1911050.21

CONDUCT ANALYSIS TO DETECT	RESULTS NEEDED NO LATER THAN	DATE	TIME	RECEIVED BY	DATE	TIME
TPHg, TPHd (EPA 8015M) VOC's & Oxygenates (EPA 8260B)	Standard	11/4/19	0900	<i>[Signature]</i>	11/4/19	0900

RELEASING BY: *[Signature]*

RELEASED BY: *[Signature]*

RELEASED BY: *[Signature]*

SHIPPED VIA: **7768 8940 9524**

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS
NOVEMBER 1996 THROUGH NOVEMBER 2019

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
Exposition Aquifer						
EXP-1	05/28/96	78.44	----	48.29	----	30.15
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	----	48.09	----	30.35
EXP-1	05/07/01	78.44	----	48.15	----	30.29
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	----	49.31	----	29.13
EXP-1	11/13/01	78.44	----	49.32	----	29.12
EXP-1	01/29/02	78.44	----	49.07	----	29.37
EXP-1	04/08/02	78.44	----	48.96	----	29.48
EXP-1	04/08/02	78.44	----	49.20	----	29.24
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	----	50.28	----	28.16
EXP-1	04/07/03	78.44	----	50.30	----	28.14
EXP-1	07/30/03	78.44	----	51.42	----	27.02
EXP-1	10/06/03	78.44	----	51.76	----	26.68
EXP-1	10/06/03	78.44	----	51.77	----	26.67
EXP-1	01/27/04	78.44	----	51.25	----	27.19
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
EXP-1	02/01/05	78.44	----	52.90	----	25.54
EXP-1	05/02/05	78.44	----	51.77	----	26.67
EXP-1	05/02/05	78.44	----	51.91	----	26.53
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	----	49.30	----	29.14
EXP-1	05/01/06	78.44	----	49.70	----	28.74
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	11/12/07	78.44	----	52.37	----	26.07
EXP-1	11/12/07	78.44	----	52.27	----	26.17
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	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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	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	----	57.93	----	20.51
EXP-1	04/20/15	78.44	----	57.81	----	20.63
EXP-1	10/19/15	78.44	----	59.37	----	19.07
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	----	61.17	----	17.27
EXP-1	10/03/16	78.44	----	61.31	----	17.13
EXP-1	04/17/17	78.44	----	60.47	----	17.97
EXP-1	04/18/17	78.44	----	60.48	----	17.96
EXP-1	10/03/17	78.44	----	61.14	----	17.30
EXP-1	10/02/17	78.44	----	60.98	----	17.46
EXP-1	10/25/17	78.44	----	60.87	----	17.57
EXP-1	04/16/18	78.44	----	60.17	----	18.27
EXP-1	11/05/18	78.44	----	61.74	----	16.70
EXP-1	11/05/18	78.44	----	61.74	----	16.70
EXP-1	04/16/19	78.44	----	60.63	----	17.81
EXP-1	04/16/19	78.44	----	60.77	----	17.67
EXP-1	10/28/19	78.44	----	61.83	----	16.61
EXP-1	10/28/19	78.44	----	61.80	----	16.64
EXP-2	05/28/96	79.43	----	47.58	----	31.85
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	----	47.58	----	31.85
EXP-2	05/07/01	79.43	----	47.61	----	31.82
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	----	48.63	----	30.80
EXP-2	04/08/02	79.43	----	48.72	----	30.71
EXP-2	07/29/02	79.43	----	50.90	----	28.53
EXP-2	10/21/02	79.43	----	51.46	----	27.97
EXP-2	10/21/02	79.43	----	51.51	----	27.92
EXP-2	01/27/03	79.43	----	49.29	----	30.14
EXP-2	04/07/03	79.43	----	49.95	----	29.48
EXP-2	04/07/03	79.43	----	50.05	----	29.38
EXP-2	07/30/03	79.43	----	51.15	----	28.28
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	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	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
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	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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	----	58.72	----	20.71
EXP-2	04/20/15	79.43	----	58.53	----	20.90
EXP-2	10/19/15	79.43	----	60.23	----	19.20
EXP-2	10/19/15	79.43	----	60.23	----	19.20
EXP-2	04/11/16	79.43	----	60.31	----	19.12
EXP-2	04/11/16	79.43	----	60.25	----	19.18
EXP-2	10/03/16	79.43	----	62.18	----	17.25
EXP-2	10/03/16	79.43	----	61.88	----	17.55
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	10/02/17	79.43	----	61.97	----	17.46
EXP-2	10/25/17	79.43	----	61.94	----	17.49
EXP-2	04/16/18	79.43	----	61.08	----	18.35
EXP-2	11/05/18	79.43	----	62.91	----	16.52
EXP-2	11/05/18	79.43	----	62.92	----	16.51
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	----	62.96	----	16.47
EXP-2	10/28/19	79.43	----	62.91	----	16.52
EXP-3	05/28/96	77.58	----	47.40	----	30.18
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
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	----	48.51	----	29.07
EXP-3	11/13/00	77.58	----	48.41	----	29.17
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	----	51.16	----	26.42
EXP-3	10/21/02	77.58	----	51.11	----	26.47
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	----	50.22	----	27.36
EXP-3	04/19/04	77.58	----	50.19	----	27.39
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
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
EXP-3	11/12/07	77.58	----	51.57	----	26.01
EXP-3	11/12/07	77.58	----	51.56	----	26.02
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	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	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
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
EXP-3	10/27/14	77.58	----	57.70	----	19.88
EXP-3	04/20/15	77.58	----	57.09	----	20.49
EXP-3	04/20/15	77.58	----	56.91	----	20.67
EXP-3	10/19/15	77.58	----	58.43	----	19.15
EXP-3	10/20/15	77.58	----	58.50	----	19.08
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	----	60.92	----	16.66
EXP-3	10/03/16	77.58	----	60.52	----	17.06
EXP-3	04/17/17	77.58	----	59.52	----	18.06
EXP-3	04/18/17	77.58	----	59.59	----	17.99
EXP-3	10/03/17	77.58	----	60.26	----	17.32
EXP-3	10/02/17	77.58	----	60.12	----	17.46
EXP-3	10/25/17	77.58	----	60.00	----	17.58
EXP-3	04/16/18	77.58	----	59.31	----	18.27
EXP-3	11/05/18	77.58	----	60.92	----	16.66
EXP-3	11/05/18	77.58	----	60.98	----	16.60
EXP-3	04/16/19	77.58	----	59.72	----	17.86
EXP-3	04/16/19	77.58	----	59.65	----	17.93
EXP-3	10/28/19	77.58	----	60.90	----	16.68
EXP-3	10/28/19	77.58	----	61.08	----	16.50
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
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	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	04/17/17	79.81	----	61.41	----	18.40
EXP-4	10/02/17	79.81	----	62.03	----	17.78
EXP-4	04/16/18	79.81	----	61.39	----	18.42
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-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
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	04/17/17	72.41	----	54.26	----	18.15
EXP-5	10/02/17	72.41	----	54.73	----	17.68
EXP-5	04/16/18	72.41	----	53.83	----	18.58
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
Uppermost Aquifer						
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	10/15/12	73.17	----	25.26	----	47.91
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	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

APPENDIX C
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 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	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	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	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	10/15/12	74.65	----	27.15	----	47.50
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	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	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	1.24	NC
EP-73	04/16/18	77.21	35.89	37.67	1.78	NC
EP-73	10/30/19	77.21	36.12	36.19	0.07	NC
GMW-1	05/28/96	74.77	----	26.93	----	47.84
GMW-1	11/20/96	74.77	----	27.73	----	47.04
GMW-1	07/01/97	74.77	----	27.97	----	46.80

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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
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	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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	04/11/16	74.77	----	34.00	----	40.77
GMW-1	10/03/16	74.77	----	35.80	----	38.97
GMW-1	10/28/19	74.77	----	DRY (28.05)	----	----
GMW-2	05/28/96	73.57	----	26.10	----	47.47
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	10/10/11	73.57	----	25.17	----	48.40
GMW-3	11/20/96	75.10	----	27.76	----	47.34

APPENDIX C
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Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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
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	26.13	0.02	NC
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	06/14/13	75.10	----	29.98	----	45.12
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

APPENDIX C
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Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-4	05/28/96	75.45	27.34	28.02	0.68	NC
GMW-4	11/20/96	75.45	28.25	28.32	0.07	NC
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
GMW-4	05/04/99	75.45	26.15	26.23	0.08	NC
GMW-4	08/09/99	75.45	26.65	26.70	0.05	NC
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	NC
GMW-4	05/07/01	75.45	-----	25.72	-----	49.73
GMW-4	09/18/01	75.45	25.89	25.92	0.03	NC
GMW-4	11/05/01	75.45	26.01	26.02	0.01	NC
GMW-4	04/08/02	75.45	26.70	26.74	0.04	NC
GMW-4	10/21/02	75.45	27.56	27.59	0.03	NC
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	NC
GMW-4	04/19/04	75.45	26.15	26.19	0.04	NC
GMW-4	05/02/05	75.45	22.30	22.31	0.01	NC
GMW-4	10/31/05	75.45	18.10	23.84	5.74	NC
GMW-4	05/01/06	75.45	23.98	24.08	0.10	NC
GMW-4	12/04/06	75.45	25.08	25.12	0.04	NC
GMW-4	04/30/07	75.45	-----	25.31	-----	50.14
GMW-4	11/12/07	75.45	25.64	25.65	0.01	NC
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	NC
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	NC
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	NC
GMW-4	04/08/13	75.45	29.95	30.08	0.13	NC
GMW-4	10/07/13	75.45	30.33	30.43	0.10	NC
GMW-4	04/14/14	75.45	30.47	31.06	0.59	NC
GMW-4	10/27/14	75.45	31.32	31.34	0.02	NC
GMW-4	Well decommissioned in December 2014 prior to remedial excavation					
GMW-4R	04/17/17	75.13	-----	36.15	-----	38.98
GMW-4R	10/02/17	75.13	-----	34.57	-----	40.56
GMW-4R	04/16/18	75.13	-----	34.94	-----	40.19

APPENDIX C
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 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

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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-5	05/28/96	77.61	----	30.52	----	47.09
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
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

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 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-5	10/27/14	77.61	----	34.12	----	43.49
GMW-5	04/20/15	77.61	----	34.46	----	43.15
GMW-5	04/17/17	77.61	----	DRY	----	NC
GMW-5	10/02/17	77.61	mud in well to 28.32 feet bgs			
GMW-5	04/16/18	77.61	----	35.42	----	42.19
GMW-5	11/05/18	77.61	obstruction at ~28 feet			
GMW-5	10/28/19	77.61	obstruction at 28.52 feet			
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

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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
GMW-6	10/27/14	77.31	----	33.65	----	43.66
GMW-6	04/20/15	77.31	----	33.95	----	43.36
GMW-6	10/19/15	77.31	----	34.72	----	42.59
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-7	05/28/96	75.84	27.21	32.89	5.68	NC
GMW-7	07/01/97	75.84	28.30	31.57	3.27	NC
GMW-7	12/31/97	75.84	28.30	32.10	3.80	NC
GMW-7	05/01/98	75.84	20.80	25.90	5.10	NC
GMW-7	05/25/99	75.84	26.18	30.37	4.19	NC
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	NC
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	NC
GMW-7	10/06/03	75.84	27.60	27.78	0.18	NC
GMW-7	04/19/04	75.84	29.05	29.17	0.12	NC
GMW-7	11/01/04	75.84	27.76	28.01	0.25	NC
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

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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	NC
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	NC
GMW-7	04/07/14	75.84	32.01	32.05	0.04	NC
GMW-7	04/16/14	75.84	31.88	31.92	0.04	NC
GMW-7	10/27/14	75.84	32.20	32.22	0.02	NC
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	NC
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-8	05/28/96	73.20	----	26.42	----	46.78
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

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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	06/14/13	73.20	----	29.02	----	44.18
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	04/17/17	73.20	----	30.74	----	42.46
GMW-8	10/02/17	73.20	----	33.40	----	39.80
GMW-8	04/16/18	73.20	----	33.70	----	39.50
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-9	08/07/01	74.44	27.23	27.74	0.51	NC
GMW-9	10/21/02	74.44	28.95	28.97	0.02	NC
GMW-9	04/07/03	74.44	29.56	29.59	0.03	NC
GMW-9	10/06/03	74.44	28.14	28.30	0.16	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	NC
GMW-9	05/01/06	74.44	25.65	25.86	0.21	NC
GMW-9	12/04/06	74.44	27.79	27.88	0.09	NC
GMW-9	04/30/07	74.44	----	26.71	----	47.73
GMW-9	11/12/07	74.44	27.04	27.32	0.28	NC
GMW-9	08/08/08	74.44	27.96	28.01	0.05	NC
GMW-9	10/16/08	74.77	28.35	28.36	0.01	NC
GMW-9	04/21/09	74.44	----	28.16	----	46.28
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	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	ns	----	31.64	----	NC

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GMW-9	10/15/12	77.16	----	31.82	----	45.34
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	NC
GMW-9	04/14/14	77.16	31.65	37.66	6.01	NC
GMW-9	07/03/14	77.16	32.59	39.26	6.67	NC
GMW-9	10/27/14	77.16	32.42	36.04	3.62	NC
GMW-9	04/20/15	77.16	32.99	36.98	3.99	NC
GMW-9	10/20/15	77.16	34.37	34.61	0.24	NC
GMW-9	04/11/16	77.16	----	36.20	----	40.96
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	04/16/18	77.16	----	37.98	----	39.18
GMW-9	11/05/18	77.16	----	37.84	----	39.32
GMW-9	04/23/19	77.16	----	29.72	----	47.44
GMW-9	10/28/19	77.16	----	37.90	----	39.26
GMW-10	10/21/02	74.67	----	33.71	----	40.96
GMW-10	11/04/02	74.67	26.25	34.00	7.75	NC
GMW-10	04/07/03	74.67	26.47	26.47	0.00	NC
GMW-10	10/06/03	72.90	26.51	26.72	0.21	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	NC
GMW-10	10/31/05	74.67	26.03	26.10	0.07	NC
GMW-10	05/01/06	74.67	23.65	24.18	0.53	NC
GMW-10	12/04/06	74.67	24.38	25.55	1.17	NC
GMW-10	04/30/07	74.67	----	25.90	----	48.77
GMW-10	11/12/07	74.67	25.02	25.82	0.80	NC
GMW-10	04/14/08	74.67	25.38	25.44	0.06	NC
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	10/15/12	74.67	29.02	29.15	0.13	NC
GMW-10	04/08/13	74.67	28.12	33.64	5.52	NC
GMW-10	10/07/13	----	29.32	31.85	2.53	NC
GMW-10	04/14/14	73.35	29.01	29.43	0.42	NC
GMW-10	10/27/14	----	29.12	30.19	1.07	NC
GMW-10	04/20/15	73.35	28.42	34.99	6.57	NC

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-10	10/20/15	73.35	31.02	32.96	1.94	NC
GMW-10	04/11/16	73.35	32.10	33.70	1.60	NC
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	73.35	----	33.48	----	39.87
GMW-10	04/16/18	73.35	33.74	33.87	0.13	NC
GMW-10	11/05/18	73.35	34.14	34.16	0.02	NC
GMW-10	04/16/19	73.35	----	30.55	----	42.80
GMW-10	10/28/19	73.35	33.84	34.12	0.28	NC
GMW-11	05/28/96	72.90	----	25.19	----	47.71
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	NC
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	04/19/04	72.90	----	25.16	----	47.74
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	----	23.26	----	49.64
GMW-11	04/30/07	72.90	----	23.32	----	49.58
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
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

APPENDIX C
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 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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-12	05/28/96	75.21	27.36	28.02	0.66	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	NC
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	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
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

APPENDIX C
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 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	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-13	05/28/96	74.17	----	26.91	----	47.26
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
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

APPENDIX C
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 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-13	04/16/12	74.17	----	27.09	----	47.08
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	04/17/17	74.17	----	30.92	----	43.25
GMW-13	10/02/17	74.17	----	33.86	----	40.31
GMW-13	04/16/18	74.17	----	32.55	----	41.62
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-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
GMW-14	04/20/09	74.72	----	25.97	----	48.75
GMW-14	10/19/09	74.72	----	27.31	----	47.41
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	10/15/12	74.72	----	28.91	----	45.81

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 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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-14	Well decommissioned in December 2014 prior to remedial excavation					
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-15	05/28/96	76.21	28.71	29.16	0.45	NC
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	05/15/00	76.21	----	22.59	----	53.62
GMW-15	05/15/00	76.21	----	28.39	----	47.82
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
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

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Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	10/19/15	76.21	----	33.62	----	42.59
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-16	05/28/96	77.00	----	29.86	----	47.14
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
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	04/17/17	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-17	05/28/96	74.66	26.65	30.51	3.86	NC
GMW-17	11/20/96	74.66	27.27	31.79	4.52	NC
GMW-17	07/01/97	74.66	27.38	32.71	5.33	NC
GMW-17	12/31/97	74.66	26.92	32.74	5.82	NC
GMW-17	05/01/98	74.66	25.04	25.19	0.15	NC
GMW-17	05/25/99	74.66	----	27.06	----	47.60
GMW-17	05/15/00	74.66	25.13	25.18	0.05	NC
GMW-17	11/13/00	74.66	----	26.52	----	48.14

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	NC
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	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	Well decommissioned in December 2014 prior to remedial excavation					
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-17R	10/28/19	77.79	----	37.97	----	39.82
GMW-18	11/20/96	75.36	28.40	32.50	4.10	NC
GMW-18	07/01/97	75.36	27.70	31.50	3.80	NC
GMW-18	12/31/97	75.36	28.01	32.08	4.07	NC
GMW-18	05/01/98	75.36	18.61	24.64	6.03	NC
GMW-18	05/25/99	75.36	25.77	29.48	3.71	NC
GMW-18	05/15/00	75.36	26.28	30.35	4.07	NC
GMW-18	11/18/00	75.36	----	28.77	----	46.59
GMW-18	05/07/01	75.36	24.80	29.70	4.90	NC
GMW-18	04/08/02	75.36	----	27.74	----	47.62
GMW-18	09/19/02	75.36	27.97	28.02	0.05	NC
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	NC
GMW-18	04/19/04	75.36	----	27.33	----	48.03
GMW-18	11/01/04	75.36	27.27	27.44	0.17	NC
GMW-18	02/28/05	75.36	23.85	23.87	0.02	NC
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	NC
GMW-18	04/08/13	75.36	29.64	30.21	0.57	NC
GMW-18	10/02/13	75.36	30.24	32.17	1.93	NC
GMW-18	04/07/14	75.36	30.95	33.15	2.20	NC
GMW-18	04/16/14	75.36	30.92	33.08	2.16	NC

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-18	10/27/14	75.36	----	31.13	----	44.23
GMW-18	04/20/15	75.36	----	31.47	----	43.89
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	36.29	36.30	0.01	NC
GMW-19	05/28/96	76.83	----	30.39	----	46.44
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
GMW-19	10/19/09	76.83	----	29.54	----	47.29

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-19	04/08/10	76.83	----	29.05	----	47.78
GMW-19	04/12/10	76.83	----	29.16	----	47.67
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	10/19/15	76.83	----	34.33	----	42.50
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-20	05/28/96	75.10	----	27.65	----	47.45
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	NC
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
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

APPENDIX C
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 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	10/19/15	75.10	----	32.55	----	42.55
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	----	52.20
GMW-20	10/28/19	75.10	----	34.86	----	40.24
GMW-21	05/28/96	76.23	27.89	33.21	5.32	NC
GMW-21	11/20/96	76.23	28.95	33.05	4.10	NC
GMW-21	07/01/97	76.23	29.13	30.13	1.00	NC
GMW-21	04/08/02	76.23	----	28.84	----	47.39
GMW-21	10/06/03	76.23	27.90	28.17	0.27	NC
GMW-21	04/19/04	76.23	29.14	29.57	0.43	NC
GMW-21	11/01/04	76.23	28.68	28.91	0.23	NC
GMW-21	05/02/05	76.23	23.79	24.56	0.77	NC
GMW-21	05/01/06	76.23	25.21	26.99	1.78	NC
GMW-21	08/26/06	76.23	25.54	25.79	0.25	NC
GMW-21	12/01/06	76.23	25.99	27.83	1.84	NC
GMW-21	04/27/07	76.23	----	26.41	----	49.82
GMW-21	11/09/07	76.23	27.34	27.37	0.03	NC
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	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	NC
GMW-21	04/02/13	76.23	30.66	30.73	0.07	NC
GMW-21	04/08/13	76.23	30.56	31.05	0.49	NC
GMW-21	10/01/13	76.23	31.32	32.00	0.68	NC
GMW-21	04/07/14	76.23	32.21	32.26	0.05	NC
GMW-21	04/14/14	76.23	32.22	32.29	0.07	NC

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 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-21	10/27/14	76.23	----	32.52	----	43.71
GMW-21	04/20/15	76.23	----	32.82	----	43.41
GMW-21	10/20/15	76.23	33.48	33.49	0.01	NC
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	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-22	05/28/96	74.17	29.75	34.31	4.56	NC
GMW-22	11/20/96	74.17	29.78	33.02	3.24	NC
GMW-22	07/01/97	74.17	30.91	34.32	3.41	NC
GMW-22	12/31/97	74.17	29.98	33.75	3.77	NC
GMW-22	05/01/98	74.17	19.13	26.55	7.42	NC
GMW-22	05/15/00	74.17	26.45	30.67	4.22	NC
GMW-22	11/13/00	74.17	28.67	31.82	3.15	NC
GMW-22	05/07/01	74.17	27.88	32.30	4.42	NC
GMW-22	08/07/01	74.17	25.78	29.76	3.98	NC
GMW-22	11/05/01	74.17	25.95	31.05	5.10	NC
GMW-22	04/08/02	74.17	26.55	26.59	0.04	NC
GMW-22	05/02/05	74.17	23.09	26.46	3.37	NC
GMW-22	10/31/05	74.17	----	27.80	----	46.37
GMW-22	05/01/06	74.17	24.70	24.94	0.24	NC
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	NC
GMW-22	08/12/08	74.17	----	26.70	----	47.47
GMW-22	10/31/08	74.17	27.04	28.25	1.21	NC
GMW-22	11/04/08	74.17	----	26.97	----	47.20
GMW-22	04/21/09	74.17	27.20	27.30	0.10	NC
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
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	NC
GMW-22	04/14/14	77.24	32.30	35.59	3.29	NC
GMW-22	10/27/14	77.24	32.41	35.74	3.33	NC
GMW-22	04/20/15	77.24	32.84	36.64	3.80	NC
GMW-22	10/20/15	77.24	34.92	36.10	1.18	NC

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Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-22	04/11/16	77.24	35.50	38.59	3.09	NC
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	04/16/18	77.24	-----	38.23	-----	39.01
GMW-22	11/05/18	77.24	-----	38.02	-----	39.22
GMW-22	04/16/19	77.24	-----	36.19	-----	41.05
GMW-22	10/28/19	77.24	-----	37.88	-----	39.36
GMW-23	05/28/96	74.85	27.12	28.07	0.95	NC
GMW-23	11/20/96	74.85	26.66	28.42	1.76	NC
GMW-23	07/01/97	74.85	28.99	30.34	1.35	NC
GMW-23	12/31/97	74.85	28.04	28.92	0.88	NC
GMW-23	05/01/98	74.85	25.43	25.44	0.01	NC
GMW-23	05/04/99	74.85	26.65	27.09	0.44	NC
GMW-23	08/09/99	74.85	26.39	28.52	2.13	NC
GMW-23	11/15/99	74.85	26.79	29.60	2.81	NC
GMW-23	05/15/00	74.85	26.90	29.87	2.97	NC
GMW-23	11/13/00	74.85	27.00	31.18	4.18	NC
GMW-23	05/07/01	74.85	28.62	28.63	0.01	NC
GMW-23	08/07/01	74.85	25.54	26.07	0.53	NC
GMW-23	11/05/01	74.85	25.85	26.32	0.47	NC
GMW-23	04/08/02	74.85	26.40	26.81	0.41	NC
GMW-23	10/21/02	74.85	28.07	28.94	0.87	NC
GMW-23	04/07/03	74.85	26.67	26.70	0.03	NC
GMW-23	10/06/03	74.85	26.35	27.32	0.97	NC
GMW-23	04/19/04	74.85	26.94	26.95	0.01	NC
GMW-23	05/02/05	74.85	-----	23.34	-----	51.51
GMW-23	10/31/05	74.85	26.08	26.13	0.05	NC
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	10/15/12	74.85	-----	28.45	-----	46.40
GMW-23	04/08/13	74.85	-----	29.31	-----	45.54

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Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	NC
GMW-23	04/11/16	74.85	34.10	34.12	0.02	NC
GMW-23	10/03/16	74.85	----	36.15	----	38.70
GMW-23	04/17/17	74.85	31.91	33.40	1.49	NC
GMW-23	10/02/17	74.85	----	35.42	----	39.43
GMW-23	04/16/18	74.85	35.54	35.57	0.03	NC
GMW-23	11/05/18	74.85	36.18	36.20	0.02	NC
GMW-23	04/16/19	74.85	----	34.34	----	40.51
GMW-23	11/01/19	74.85	----	35.48	----	39.37
GMW-24	08/07/01	74.04	27.80	28.68	0.88	NC
GMW-24	05/02/05	74.04	25.49	25.70	0.21	NC
GMW-24	10/31/05	74.04	26.29	26.34	0.05	NC
GMW-24	05/01/06	74.04	26.07	27.29	1.22	NC
GMW-24	12/04/06	74.04	26.73	27.26	0.53	NC
GMW-24	04/30/07	74.04	----	27.07	----	46.97
GMW-24	11/12/07	74.04	27.46	27.50	0.04	NC
GMW-24	10/17/08	74.04	29.90	30.88	0.98	NC
GMW-24	10/21/08	74.04	28.30	29.64	1.34	NC
GMW-24	04/21/09	74.04	----	29.91	----	44.13
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	NC
GMW-24	06/14/13	77.48	32.40	33.35	0.95	NC
GMW-24	10/07/13	77.48	31.61	35.42	3.81	NC
GMW-24	04/14/14	77.48	32.01	37.74	5.73	NC
GMW-24	07/03/14	77.48	33.04	39.60	6.56	NC
GMW-24	10/27/14	77.48	32.91	36.82	3.91	NC
GMW-24	04/20/15	77.48	33.82	36.29	2.47	NC
GMW-24	10/20/15	77.48	----	35.44	----	42.04
GMW-24	04/11/16	77.48	----	37.10	----	40.38
GMW-24	10/03/16	77.48	----	39.31	----	38.17
GMW-24	04/17/17	77.48	35.09	35.64	0.55	NC
GMW-24	10/02/17	77.48	----	39.33	----	38.15
GMW-24	04/16/18	77.48	----	38.98	----	38.50
GMW-24	11/05/18	77.48	38.19	38.63	0.44	NC
GMW-24	04/16/19	77.48	----	38.43	----	39.05
GMW-24	10/28/19	77.48	----	38.65	----	38.83
GMW-25	05/28/96	74.29	27.88	32.71	4.83	NC
GMW-25	11/20/96	74.29	27.75	31.91	4.16	NC

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GMW-25	07/01/97	74.29	28.37	34.58	6.21	NC
GMW-25	12/31/97	74.29	27.86	33.59	5.73	NC
GMW-25	05/01/98	74.29	16.76	24.44	7.68	NC
GMW-25	05/04/99	74.29	26.58	30.40	3.82	NC
GMW-25	08/09/99	74.29	26.73	29.99	3.26	NC
GMW-25	11/15/99	74.29	27.75	28.95	1.20	NC
GMW-25	05/15/00	74.29	27.39	28.17	0.78	NC
GMW-25	11/13/00	74.29	27.97	29.52	1.55	NC
GMW-25	05/07/01	74.29	26.27	28.62	2.35	NC
GMW-25	08/07/01	74.29	25.73	28.14	2.41	NC
GMW-25	11/05/01	74.29	26.07	28.40	2.33	NC
GMW-25	04/08/02	74.29	27.00	27.07	0.07	NC
GMW-25	10/21/02	74.29	29.41	29.45	0.04	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	NC
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	NC
GMW-25	08/12/08	74.29	----	27.81	----	46.48
GMW-25	10/17/08	74.29	----	28.26	----	46.03
GMW-25	04/21/09	74.29	----	28.35	----	45.94
GMW-25	10/19/09	74.29	----	30.28	----	44.01
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	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	NC
GMW-25	04/14/14	78.14	33.00	37.40	4.40	NC
GMW-25	10/27/14	78.14	33.95	34.78	0.83	NC
GMW-25	04/20/15	78.14	34.47	35.19	0.72	NC
GMW-25	10/20/15	78.14	35.38	35.40	0.02	NC
GMW-25	04/12/16	78.14	----	37.15	----	40.99
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	04/16/18	78.14	----	38.85	----	39.29
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-26	05/28/96	74.45	----	27.20	----	47.25
GMW-26	11/20/96	74.45	----	27.82	----	46.63

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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
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	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

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GMW-26	04/11/16	74.52	----	35.55	----	38.97
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	04/16/18	74.52	----	35.19	----	39.33
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-27	05/28/96	74.39	----	27.00	----	47.39
GMW-27	12/31/97	74.39	27.76	28.43	0.67	NC
GMW-27	05/01/98	74.39	----	25.07	----	49.32
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-27	01/10/11	74.41	----	27.97	----	46.44
GMW-27	04/11/11	74.41	----	26.33	----	48.08
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-27	Well decommissioned in December 2014 prior to remedial excavation					
GMW-27R	10/02/17	77.15	----	37.68	----	39.47
GMW-28	05/28/96	74.62	----	27.22	----	47.40
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	NC
GMW-28	05/01/98	74.62	24.77	25.42	0.65	NC
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	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

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 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	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	----	31.16	----	43.52
GMW-28	10/27/14	74.68	----	30.60	----	44.08
GMW-28	04/20/15	74.68	----	31.23	----	43.45
GMW-28	10/19/15	74.68	----	32.00	----	42.68
GMW-28	04/11/16	74.68	----	34.10	----	40.58
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	04/16/18	74.68	----	35.77	----	38.91
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-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	NC
GMW-29	05/01/98	74.86	27.81	28.43	0.62	NC
GMW-29	05/04/99	74.86	----	31.35	----	43.51
GMW-29	08/09/99	74.86	----	28.90	----	45.96
GMW-29	11/13/00	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

APPENDIX C
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 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	----	28.31	----	49.26
GMW-29	04/14/08	77.57	----	29.46	----	48.11
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
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	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	NC
GMW-29	04/11/16	77.57	33.55	34.95	1.40	NC
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	NC
GMW-29	10/02/17	77.57	35.87	36.05	0.18	NC
GMW-29	04/16/18	77.57	----	36.14	----	41.43
GMW-29	11/05/18	77.57	35.62	35.68	0.06	NC
GMW-29	04/16/19	77.57	----	34.92	----	42.65
GMW-29	10/28/19	77.57	----	36.10	----	41.47
GMW-30	05/28/96	74.91	26.69	29.41	2.72	NC
GMW-30	11/20/96	74.91	27.51	29.60	2.09	NC
GMW-30	07/01/97	74.91	28.96	30.32	1.36	NC
GMW-30	12/31/97	74.91	27.80	29.74	1.94	NC
GMW-30	05/01/98	74.91	19.11	24.27	5.16	NC
GMW-30	05/04/99	74.91	25.45	31.56	6.11	NC
GMW-30	08/09/99	74.91	25.76	30.10	4.34	NC
GMW-30	11/15/99	74.91	27.20	27.57	0.37	NC
GMW-30	05/15/00	74.91	27.27	27.60	0.33	NC
GMW-30	11/13/00	74.91	26.55	26.59	0.04	NC
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	NC

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 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-30	04/08/02	74.91	26.35	26.53	0.18	NC
GMW-30	10/21/02	74.91	27.32	27.51	0.19	NC
GMW-30	04/07/03	74.91	26.75	26.77	0.02	NC
GMW-30	10/06/03	74.91	26.45	26.51	0.06	NC
GMW-30	01/11/04	74.91	27.91	27.97	0.06	NC
GMW-30	04/19/04	74.91	27.49	27.60	0.11	NC
GMW-30	05/10/05	74.91	----	23.63	----	51.28
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	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	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	NC
GMW-30	04/20/15	74.91	31.01	32.77	1.76	NC
GMW-30	10/19/15	74.91	31.80	32.92	1.12	NC
GMW-30	04/11/16	74.91	----	34.01	----	40.90
GMW-30	10/03/16	74.91	----	36.30	----	38.61
GMW-30	04/17/17	74.91	32.16	32.53	0.37	NC
GMW-30	10/02/17	74.91	----	36.21	----	38.70
GMW-30	04/16/18	74.91	----	36.05	----	38.86
GMW-30	11/05/18	74.91	35.73	35.75	0.02	NC
GMW-30	04/16/19	74.91	----	34.73	----	40.18
GMW-30	10/28/19	74.91	----	35.98	----	38.93
GMW-31	05/28/96	76.50	----	29.31	----	47.19
GMW-31	11/20/96	76.50	----	30.18	----	46.32

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 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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
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	04/17/17	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

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GMW-31	11/05/18	76.50	----	34.32	----	42.18
GMW-31	10/28/19	76.50	----	34.35	----	42.15
GMW-32	05/28/96	74.62	----	26.78	----	47.84
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

APPENDIX C
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 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	Well decommissioned in December 2014 prior to remedial excavation					
GMW-32R	10/03/17	76.93	dirt in well to 28.20 feet bgs			
GMW-32R	11/05/18	76.93	obstruction at 28.18 feet			
GMW-32R	10/29/19	76.93	obstruction at 28.16 feet			
GMW-33	05/28/96	74.88	----	27.02	----	47.86
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	04/18/17	74.88	----	DRY	----	NC
GMW-33	10/03/17	74.88	dirt in well to 16.44 feet bgs			
GMW-33	11/05/18	74.88	obstruction at 17.00 feet			

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 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-33	10/28/19	74.88	obstruction at 16.26 feet			
GMW-34	05/28/96	75.25	26.83	30.96	4.13	NC
GMW-34	11/20/96	75.25	27.69	31.87	4.18	NC
GMW-34	07/01/97	75.25	28.10	32.06	3.96	NC
GMW-34	12/31/97	75.25	27.88	31.81	3.93	NC
GMW-34	05/01/98	75.25	25.66	25.92	0.26	NC
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	10/01/10	75.25	----	27.85	----	47.40
GMW-35	05/28/96	76.12	27.54	32.06	4.52	NC
GMW-35	11/20/96	76.12	28.69	33.01	4.32	NC
GMW-35	07/01/97	76.12	27.75	31.38	3.63	NC
GMW-35	12/31/97	76.12	28.10	32.18	4.08	NC
GMW-35	05/01/98	76.12	24.97	25.28	0.31	NC
GMW-35	05/25/99	76.12	26.93	27.65	0.72	NC
GMW-35	05/15/00	76.12	27.67	28.26	0.59	NC
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	NC
GMW-35	10/21/02	76.12	----	29.03	----	47.09
GMW-35	04/07/03	76.12	28.10	28.15	0.05	NC
GMW-35	10/06/03	76.12	----	27.58	----	48.54
GMW-35	04/19/04	76.12	28.46	28.49	0.03	NC
GMW-35	11/01/04	76.12	28.71	28.78	0.07	NC
GMW-35	02/28/05	76.12	----	24.73	----	51.39
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

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Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	NC
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	NC
GMW-35	04/12/12	76.12	29.44	29.51	0.07	NC
GMW-35	04/20/12	76.12	----	29.38	----	46.74
GMW-35	04/05/13	76.12	30.61	30.83	0.22	NC
GMW-35	04/08/13	76.12	30.58	30.80	0.22	NC
GMW-35	10/02/13	76.12	31.38	31.71	0.33	NC
GMW-35	04/09/14	76.12	31.95	31.97	0.02	NC
GMW-35	04/16/14	76.12	31.95	32.15	0.20	NC
GMW-35	10/27/14	76.12	32.16	32.18	0.02	NC
GMW-35	Well decommissioned in December 2014 prior to remedial excavation					
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-36	05/28/96	74.53	25.71	26.88	1.17	NC
GMW-36	11/20/96	74.53	26.56	26.82	0.26	NC
GMW-36	07/01/97	74.53	25.09	25.71	0.62	NC
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
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

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 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-36	10/21/02	74.53	25.54	29.46	3.92	NC
GMW-36	11/04/02	74.53	25.55	29.05	3.50	NC
GMW-36	01/27/03	74.53	26.75	28.02	1.27	NC
GMW-36	04/07/03	74.53	26.63	27.47	0.84	NC
GMW-36	05/02/05	74.53	20.03	21.23	1.20	NC
GMW-36	10/31/05	74.53	22.69	22.73	0.04	NC
GMW-36	05/01/06	74.53	22.80	22.91	0.11	NC
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	NC
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	NC
GMW-36	10/16/08	74.77	26.09	26.11	0.02	NC
GMW-36	04/20/09	74.53	25.59	25.63	0.04	NC
GMW-36	07/20/09	74.53	-----	25.90	-----	48.63
GMW-36	10/19/09	74.53	26.45	26.56	0.11	NC
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	NC
GMW-36	05/28/10	74.53	25.88	25.94	0.06	NC
GMW-36	06/22/10	74.53	25.91	25.94	0.03	NC
GMW-36	10/04/10	74.53	-----	26.90	-----	47.63
GMW-36	11/23/10	74.53	27.10	27.35	0.25	NC
GMW-36	12/22/10	74.53	26.84	28.35	1.51	NC
GMW-36	01/10/11	74.53	27.70	29.10	1.40	NC
GMW-36	04/12/11	74.53	25.05	26.98	1.93	NC
GMW-36	10/10/11	74.53	-----	25.96	-----	48.57
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	04/16/12	74.53	-----	27.34	-----	47.19
GMW-36	06/15/12	76.66	-----	33.27	-----	43.39
GMW-36	07/09/12	76.66	-----	33.71	-----	42.95
GMW-36	10/15/12	76.66	-----	32.11	-----	44.55
GMW-36	11/29/12	76.66	31.68	33.93	2.25	NC
GMW-36	12/26/12	76.66	30.36	34.86	4.50	NC
GMW-36	01/14/13	76.66	30.42	34.12	3.70	NC
GMW-36	04/10/13	76.66	29.75	32.42	2.67	NC
GMW-36	10/07/13	76.66	30.72	34.65	3.93	NC
GMW-36	04/25/14	76.66	31.12	34.71	3.59	NC
GMW-36	10/27/14	76.66	31.79	33.02	1.23	NC

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Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-36	04/20/15	76.66	32.20	33.64	1.44	NC
GMW-36	10/21/15	76.66	33.16	33.55	0.39	NC
GMW-36	04/12/16	76.66	34.03	34.30	0.27	NC
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	04/16/18	76.66	-----	35.18	-----	41.48
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	34.84	34.86	0.02	NC
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

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GMW-37	10/13/08	77.32	----	28.56	----	48.76
GMW-37	04/20/09	77.32	----	28.54	----	48.78
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	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	----	32.57	----	44.75
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	04/17/17	77.32	----	33.68	----	43.64
GMW-37	10/02/17	77.32	----	35.53	----	41.79
GMW-37	04/16/18	77.32	----	36.45	----	40.87
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-38	05/28/96	75.47	----	27.15	----	48.32
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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
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	04/17/17	75.47	----	31.83	----	43.64
GMW-38	10/02/17	75.47	----	33.55	----	41.92

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-38	04/16/18	75.47	----	34.55	----	40.92
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-39	05/28/96	75.05	----	26.67	----	48.38
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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
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	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	04/17/17	75.05	----	31.57	----	43.48
GMW-39	10/02/17	75.05	----	32.82	----	42.23
GMW-39	04/16/18	75.05	----	33.90	----	41.15
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-40	05/28/96	73.13	----	26.00	----	47.13
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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
GMW-40	10/04/10	73.13	----	25.70	----	47.43
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	10/03/16	73.13	----	34.98	----	38.15
GMW-40	04/20/17	73.13	----	32.80	----	40.33
GMW-41	05/28/96	74.46	----	27.01	----	47.45
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)	
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	
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	NC	
GMW-41	04/15/14	74.46	31.05	31.14	0.09	NC	
GMW-41	10/27/14	74.46	----	30.78	----	43.68	
GMW-41	04/20/15	74.46	----	31.22	----	43.24	
GMW-41	10/03/16	74.46	----	35.97	----	38.49	
GMW-41	04/17/17	74.46	----	29.79	----	44.67	
GMW-41	10/03/17	72.69	well full of mud				
GMW-41	04/16/18	72.69	----	32.79	----	39.90	
GMW-41	11/05/18	72.69	----	33.12	----	39.57	
GMW-41	10/28/19	72.69	----	33.07	----	39.62	
GMW-42	05/28/96	75.50	27.89	29.36	1.47	NC	
GMW-42	11/20/96	75.50	28.87	29.55	0.68	NC	
GMW-42	07/01/97	75.50	29.06	29.52	0.46	NC	
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	

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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
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	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	10/28/19	75.50	----	35.69	----	39.81
GMW-43	05/28/96	74.44	----	27.03	----	47.41
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)	
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	
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	04/17/17	74.44	----	31.42	----	43.02	
GMW-43	10/03/17	76.07	well full of mud				
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-44	05/28/96	74.45	----	27.19	----	47.26	
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	

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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
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	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	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-45	05/28/96	75.67	----	28.30	----	47.37
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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
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	NC
GMW-45	04/09/14	75.67	31.67	31.69	0.02	NC
GMW-45	04/15/14	75.67	31.68	31.95	0.27	NC
GMW-45	10/27/14	75.67	----	32.01	----	43.66
GMW-45	04/20/15	75.67	32.31	32.33	0.02	NC
GMW-45	10/03/16	ns	----	34.60	----	NC
GMW-45	04/19/17	75.67	33.30	34.72	1.42	NC
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-46	08/26/06	76.10	----	24.72	----	51.38
GMW-46	08/28/07	75.31	----	25.89	----	49.42
GMW-47	05/28/96	75.98	----	28.45	----	47.53
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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
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	04/12/10	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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	10/19/15	75.98	----	33.26	----	42.72
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
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-48	05/28/96	75.03	----	27.40	----	47.63
GMW-48	11/20/96	75.03	----	28.40	----	46.63
GMW-48	07/01/97	75.03	27.11	27.58	0.47	NC
GMW-48	12/31/97	75.03	27.37	29.58	2.21	NC
GMW-48	05/01/98	75.03	23.63	24.46	0.83	NC
GMW-48	05/26/99	75.03	25.72	27.01	1.29	NC
GMW-48	05/15/00	75.03	26.31	26.49	0.18	NC
GMW-48	11/13/00	75.03	----	27.21	----	47.82
GMW-48	05/07/01	75.03	25.65	26.10	0.45	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	NC
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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
GMW-48	04/20/15	75.03	----	30.50	----	44.53
GMW-48	10/19/15	75.03	----	31.31	----	43.72
GMW-48	10/03/16	75.03	----	37.03	----	38.00
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-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	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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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
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	NC
GMW-53	10/01/10	74.90	----	27.29	----	47.61

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-53	01/08/11	74.90	----	27.67	----	47.23
GMW-53	04/12/12	74.90	----	28.15	----	46.75
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
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	04/19/17	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-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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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
GMW-55	10/01/10	74.60	----	27.15	----	47.45
GMW-55	01/07/11	74.60	----	27.61	----	46.99
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
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-57	07/07/11	76.66	----	28.53	----	48.13
GMW-57	10/06/11	76.66	----	29.12	----	47.54
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	10/19/15	76.66	----	33.84	----	42.82

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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-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	11/05/15	75.48	32.18	32.25	0.07	NC
GMW-58	04/13/16	75.48	----	32.42	----	43.06
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-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	NC
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	10/19/15	75.28	----	31.31	sheen	43.97
GMW-59	04/13/16	75.28	----	31.77	----	43.51

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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-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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-60	04/20/15	76.24	----	32.42	----	43.82
GMW-60	10/20/15	76.24	----	33.34	----	42.90
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-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

APPENDIX C
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 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	10/20/15	75.60	32.65	32.67	0.02	NC
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	76.24	----	33.65	----	42.59
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
GMW-61	10/28/19	75.60	----	34.54	----	41.06
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	NC
GMW-62	04/07/11	76.34	26.89	28.57	1.68	NC
GMW-62	07/07/11	76.34	28.03	28.14	0.11	NC
GMW-62	10/06/11	76.34	28.45	29.39	0.94	NC
GMW-62	01/09/12	76.34	28.97	29.02	0.05	NC
GMW-62	04/12/12	76.34	29.58	29.68	0.10	NC
GMW-62	04/18/12	76.34	29.40	29.46	0.06	NC
GMW-62	01/11/13	76.34	----	30.62	----	45.72
GMW-62	04/03/13	76.34	30.42	31.36	0.94	NC
GMW-62	04/08/13	76.34	30.35	32.13	1.78	NC
GMW-62	10/02/13	76.34	31.00	32.33	1.33	NC
GMW-62	04/09/14	76.34	31.02	33.50	2.48	NC
GMW-62	04/15/14	76.34	31.02	33.71	2.69	NC
GMW-62	10/27/14	76.34	32.14	37.77	5.63	NC
GMW-62	04/20/15	76.34	32.97	32.98	0.01	NC
GMW-62	10/20/15	76.34	33.29	33.30	0.01	NC
GMW-62	04/11/16	76.34	34.39	34.40	0.01	NC
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

APPENDIX C
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 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	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	sheen	41.29
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
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	10/27/14	77.32	-----	32.51	-----	44.81
GMW-63	04/14/14	77.32	-----	32.02	-----	45.30
GMW-63	04/20/15	77.32	-----	32.86	-----	44.46
GMW-63	10/20/15	77.32	-----	33.73	-----	43.59
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	10/25/17	77.32	-----	34.93	-----	42.39
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-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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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
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	10/20/15	75.84	----	32.33	----	43.51
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	10/25/17	75.84	----	33.13	----	42.71
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-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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
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 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	10/20/15	76.78	----	33.54	----	43.24
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	10/25/17	76.78	----	34.78	----	42.00
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-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
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	10/27/14	77.00	----	32.93	----	44.07
GMW-66	Well decommissioned in December 2014 prior to remedial excavation					
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-67	10/20/15	76.00	----	32.90	----	43.10
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

APPENDIX C
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 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-67	10/28/19	76.00	----	34.57	----	41.43
GMW-68	10/20/15	75.52	----	32.44	----	43.08
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	NC
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	34.03	34.04	0.01	NC
GMW-69	10/20/15	75.31	----	32.21	----	43.10
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	10/25/17	75.31	----	33.29	----	42.02
GMW-69	04/16/18	75.31	----	33.97	----	41.34
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-O-1	05/28/96	71.45	----	24.16	----	47.29
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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
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	04/11/16	71.45	----	29.71	----	41.74

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	04/16/18	71.45	----	31.56	----	39.89
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-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
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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
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	04/11/16	72.54	----	30.20	----	42.34
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-3	05/28/96	72.19	----	24.19	----	48.00
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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
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	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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	04/11/16	72.19	----	30.51	----	41.68
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
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-4	05/28/96	71.95	----	23.69	----	48.26
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	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	04/11/16	71.95	----	29.80	----	42.15
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 (MID)	05/28/96	72.24	----	31.73	----	40.51
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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)	10/15/12	72.24	----	32.25	----	39.99
GMW-O-4 (MID)	04/08/13	72.24	----	32.81	----	39.43
GMW-O-5	05/28/96	72.36	----	24.10	----	48.26
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	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
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	04/11/16	72.36	----	30.30	----	42.06
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-6	05/28/96	71.41	----	23.19	----	48.22
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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
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	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	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-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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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
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	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	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 (29.00)	----	----
GMW-O-8	05/28/96	70.91	----	23.35	----	47.56
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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
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	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	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-9	05/28/96	73.50	----	25.93	----	47.57
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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
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	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	04/11/16	73.50	----	31.62	----	41.88
GMW-O-9	10/03/16	73.50	----	33.03	----	40.47
GMW-O-9	04/17/17	73.50	----	31.25	----	42.25

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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-10	05/28/96	73.98	----	26.49	----	47.49
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
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	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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	04/11/16	73.98	----	32.23	----	41.75
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	04/16/18	73.98	----	34.93	----	39.05
GMW-O-10	11/05/18	73.98	----	34.82	----	39.16
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-11	04/08/02	74.17	----	23.96	----	50.21
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	NC
GMW-O-11	10/31/05	74.17	21.73	21.92	0.19	NC
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	NC
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	04/21/09	74.17	25.34	25.36	0.02	NC
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	10/15/12	74.17	----	28.12	----	46.05
GMW-O-11	10/07/13	74.17	27.69	31.19	3.50	NC
GMW-O-11	04/25/14	74.17	28.62	28.96	0.34	NC
GMW-O-11	10/27/14	74.17	28.89	31.28	2.39	NC
GMW-O-11	11/03/14	74.17	27.83	32.34	4.51	NC
GMW-O-11	04/22/15	74.17	28.10	31.54	3.44	NC
GMW-O-11	10/22/15	74.17	29.23	33.08	3.85	NC
GMW-O-11	04/12/16	74.17	33.12	33.33	0.21	NC
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	NC
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	NC
GMW-O-12	12/31/97	73.49	25.45	31.02	5.57	NC
GMW-O-12	05/01/98	73.49	19.94	22.69	2.75	NC
GMW-O-12	05/04/99	73.49	22.99	24.63	1.64	NC

APPENDIX C
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 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-O-12	11/13/00	73.49	----	0.70	----	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	10/06/03	73.49	----	24.82	----	48.67
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
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	NC
GMW-O-12	04/11/11	73.49	----	24.04	----	49.45
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	NC
GMW-O-12	01/14/13	73.49	25.58	25.62	0.04	NC
GMW-O-12	04/08/13	73.49	26.51	26.60	0.09	NC
GMW-O-12	10/07/13	73.49	27.28	27.34	0.06	NC
GMW-O-12	04/14/14	73.49	26.80	30.34	3.54	NC
GMW-O-12	10/27/14	73.49	26.90	31.28	4.38	NC
GMW-O-12	04/20/15	73.49	26.91	33.35	6.44	NC
GMW-O-12	10/19/15	73.49	27.82	34.65	6.83	NC
GMW-O-12	10/30/15	73.49	28.11	39.38	11.27	NC
GMW-O-12	04/11/16	73.49	26.86	33.35	6.49	NC
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	NC
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	NC
GMW-O-12	11/05/18	73.49	32.31	32.65	0.34	NC
GMW-O-12	04/16/19	73.49	31.21	31.62	0.41	NC
GMW-O-12	10/28/19	73.49	31.85	32.45	0.60	NC
GMW-O-13	05/28/96	74.19	25.84	27.69	1.85	NC
GMW-O-13	11/20/96	74.19	26.48	28.92	2.44	NC

APPENDIX C
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 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-O-13	07/01/97	74.19	26.55	28.87	2.32	NC
GMW-O-13	12/31/97	74.19	26.83	28.91	2.08	NC
GMW-O-13	05/01/98	74.19	22.55	23.06	0.51	NC
GMW-O-13	05/04/99	74.19	24.46	25.78	1.32	NC
GMW-O-13	08/09/99	74.19	-----	25.20	-----	48.99
GMW-O-13	04/08/02	74.19	-----	25.47	-----	48.72
GMW-O-14	05/28/96	74.08	-----	26.03	-----	48.05
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	NC
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	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

APPENDIX C
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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
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	04/11/16	74.08	----	32.34	----	41.74
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-15	05/28/96	74.23	24.19	30.19	6.00	NC
GMW-O-15	11/20/96	74.23	25.30	30.52	5.22	NC
GMW-O-15	05/15/00	74.23	----	27.10	----	47.13
GMW-O-15	05/07/01	74.23	22.62	24.58	1.96	NC
GMW-O-15	04/08/02	74.23	23.02	27.51	4.49	NC
GMW-O-15	10/21/02	74.23	24.52	24.71	0.19	NC
GMW-O-15	05/02/05	74.23	21.01	21.15	0.14	NC
GMW-O-15	10/31/05	74.23	22.10	22.25	0.15	NC
GMW-O-15	05/22/06	74.23	21.89	22.31	0.42	NC
GMW-O-15	12/04/06	74.23	22.86	22.91	0.05	NC
GMW-O-15	04/30/07	74.23	23.30	23.41	0.11	NC
GMW-O-15	11/12/07	74.23	23.85	23.95	0.10	NC
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	NC

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-O-15	10/16/08	74.23	-----	24.53	-----	49.70
GMW-O-15	04/20/09	74.23	24.61	24.66	0.05	NC
GMW-O-15	07/20/09	74.23	24.94	24.99	0.05	NC
GMW-O-15	10/19/09	74.23	25.43	25.55	0.12	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	10/04/10	74.23	25.80	25.85	0.05	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	04/12/11	74.23	22.53	22.55	0.02	NC
GMW-O-15	10/10/11	74.23	23.22	23.79	0.57	NC
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	NC
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	09/26/12	74.23	-----	30.64	-----	43.59
GMW-O-15	10/15/12	74.23	-----	31.82	-----	42.41
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	04/26/13	74.23	-----	27.90	-----	46.33
GMW-O-15	10/07/13	74.23	28.26	29.03	0.77	NC
GMW-O-15	04/18/14	74.23	28.08	28.40	0.32	NC
GMW-O-15	10/27/14	74.23	28.30	31.89	3.59	NC
GMW-O-15	04/20/15	74.23	28.82	31.93	3.11	NC
GMW-O-15	10/19/15	74.23	28.89	31.91	3.02	NC
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	04/20/17	74.23	29.52	29.65	0.13	NC
GMW-O-15	10/02/17	74.23	30.33	31.92	1.59	NC
GMW-O-15	04/16/18	74.23	31.67	31.79	0.12	NC
GMW-O-15	11/05/18	74.23	-----	32.38	-----	41.85
GMW-O-15	11/05/18	74.23	-----	32.38	-----	41.85
GMW-O-15	04/23/19	74.86	29.84	29.84	sheen	45.02
GMW-O-15	10/31/19	74.86	-----	29.28	-----	45.58
GMW-O-16	05/28/96	74.10	-----	24.92	-----	49.18
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

APPENDIX C
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 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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
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

APPENDIX C
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 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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
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	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-17	05/28/96	73.78	----	24.72	----	49.06
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

APPENDIX C
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Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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
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	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	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

APPENDIX C
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Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-O-18	05/28/96	74.36	----	25.67	----	48.69
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	05/07/01	74.36	----	24.10	----	50.26
GMW-O-18	04/08/02	74.36	24.81	24.81	sheen	49.55
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	10/04/10	74.36	----	29.95	----	44.41
GMW-O-18	10/10/11	74.36	----	23.68	----	50.68
GMW-O-18	12/21/11	74.46	----	27.14	----	47.32
GMW-O-18	02/23/12	74.36	----	31.18	----	43.18
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	09/26/12	74.36	----	30.83	----	43.53
GMW-O-18	10/15/12	74.36	----	29.73	----	44.63
GMW-O-18	12/26/12	74.36	----	28.87	----	45.49
GMW-O-18	01/14/13	74.36	----	28.92	----	45.44
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	NC
GMW-O-18	10/27/14	74.36	29.52	29.95	0.43	NC
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-O-18	12/13/16	74.36	31.01	35.95	4.94	NC
GMW-O-18	04/17/17	74.36	31.80	31.83	0.03	NC
GMW-O-18	10/02/17	74.36	31.30	31.32	0.02	NC
GMW-O-18	11/05/18	74.36	32.90	33.03	0.13	NC
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-19	05/28/96	74.46	-----	25.29	-----	49.17
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	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
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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
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	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-20	05/07/01	73.34	----	22.15	----	51.19

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-O-20	08/15/08	73.34	----	25.90	----	47.44
GMW-O-20	10/17/08	73.34	----	25.82	----	47.52
GMW-O-20	04/21/09	73.32	----	28.70	----	44.62
GMW-O-20	10/04/10	73.32	31.10	31.20	0.10	NC
GMW-O-20	04/11/11	73.32	----	23.82	----	49.50
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	NC
GMW-O-20	01/14/13	73.32	32.93	32.98	0.05	NC
GMW-O-20	04/08/13	73.32	26.46	29.63	3.17	NC
GMW-O-20	10/07/13	73.32	27.06	32.09	5.03	NC
GMW-O-20	04/25/14	73.32	28.40	28.48	0.08	NC
GMW-O-20	10/27/14	73.32	27.76	30.70	2.94	NC
GMW-O-20	04/22/15	73.32	27.98	32.25	4.27	NC
GMW-O-20	10/22/15	73.32	29.38	31.36	1.98	NC
GMW-O-20	04/12/16	73.32	----	32.48	----	40.84
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	32.50	32.53	0.03	NC
GMW-O-21	10/06/03	73.49	----	22.60	----	50.89
GMW-O-21	10/17/08	73.94	----	26.00	----	47.94
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	10/15/12	71.43	----	32.50	----	38.93
GMW-O-21	04/14/14	71.43	28.61	28.65	0.04	NC
GMW-O-21	10/27/14	71.43	28.93	29.75	0.82	NC
GMW-O-21	04/20/15	71.43	28.99	30.15	1.16	NC
GMW-O-21	07/02/15	71.43	29.88	32.30	2.42	NC
GMW-O-21	10/19/15	71.43	31.20	31.43	0.23	NC
GMW-O-21	04/11/16	71.43	31.84	32.17	0.33	NC
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)	
GMW-O-23	08/28/07	73.63	----	23.00	----	50.63	
GMW-O-23	11/13/07	73.63	----	23.90	----	49.73	
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	04/21/09	73.63	----	27.30	----	46.33	
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	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	NC	
GMW-O-23	10/07/13	73.63	28.30	32.86	4.56	NC	
GMW-O-23	04/25/14	73.63	29.66	29.81	0.15	NC	
GMW-O-23	10/27/14	73.63	28.80	32.51	3.71	NC	
GMW-O-23	04/22/15	73.63	30.36	33.08	2.72	NC	
GMW-O-23	10/22/15	73.63	30.46	32.82	2.36	NC	
GMW-O-23	04/12/16	73.63	----	32.59	----	41.04	
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	34.39	34.40	0.01	NC	
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	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	inaccessible; beehive in wellbox				
GMW-O-24	04/16/19	74.39	----	31.59	----	42.80	
GMW-O-24	10/28/19	74.39	----	DRY	----	----	

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-SF-7	05/28/96	75.26	----	26.65	----	48.61
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
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	10/15/12	75.26	----	28.93	----	46.33

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	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-8	05/28/96	76.75	----	27.82	----	48.93
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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
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	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-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	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	09/05/14	73.05	28.29	29.33	1.04	NC
GMW-SF-9	04/20/15	73.05	----	29.01	----	44.04
GMW-SF-9	10/21/15	73.05	----	29.69	----	43.36
GMW-SF-10	04/21/09	75.77	----	27.10	----	48.67

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	10/15/12	75.77	----	29.88	----	45.89
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
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	10/19/15	75.97	----	33.54	----	42.43
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GW-1	10/29/19	75.97	----	35.95	----	40.02
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
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	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	10/19/15	75.78	----	33.21	----	42.57
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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
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	10/19/15	75.79	----	33.39	----	42.40
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	10/25/17	75.79	----	34.77	----	41.02
GW-3	04/16/18	75.79	----	35.02	----	40.77
GW-3	11/05/18	75.79	----	35.54	----	40.25

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GW-3	04/15/19	75.79	----	35.15	----	40.64
GW-3	10/28/19	75.79	----	35.66	----	40.13
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
GW-4	05/01/06	73.86	----	28.52	----	45.34
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	10/19/15	73.86	----	31.79	----	42.07
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	well full of mud			
GW-4	11/05/18	73.86	obstruction at 17.65 feet			
GW-4	04/15/19	73.86	----	33.29	----	40.57
GW-4	10/28/19	73.86	----	33.74	----	40.12
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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
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	Well decommissioned in December 2014 prior to remedial excavation					
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-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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GW-6	04/06/11	76.38	----	28.35	----	48.03
GW-6	07/07/11	76.38	28.51	28.52	0.01	NC
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
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	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-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	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	01/11/13	75.02	----	30.25	----	44.77

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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
GW-7	04/20/15	75.02	----	31.95	----	43.07
GW-7	10/19/15	75.02	33.29	33.52	0.23	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-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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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
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	10/20/15	76.15	----	33.76	----	42.39
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-13	11/12/07	76.85	----	28.31	----	48.54
GW-13	07/24/08	77.45	----	28.91	----	48.54
GW-13	10/13/08	77.45	----	29.29	----	48.16
GW-13	02/09/09	76.85	----	28.88	----	47.97
GW-13	04/20/09	76.85	----	29.48	----	47.37
GW-13	10/19/09	76.85	----	29.92	----	46.93
GW-13	04/12/10	76.85	----	29.91	----	46.94
GW-13	01/06/11	76.85	----	33.10	----	43.75
GW-13	04/08/11	76.85	----	29.49	----	47.36
GW-13	07/07/11	76.85	----	29.45	----	47.40
GW-13	10/06/11	76.85	----	29.64	----	47.21
GW-13	04/12/12	76.85	----	30.52	----	46.33
GW-13	04/18/12	76.85	----	30.27	----	46.58
GW-13	01/10/13	76.85	----	31.63	----	45.22
GW-13	04/02/13	76.85	----	31.51	----	45.34
GW-13	04/08/13	76.85	----	31.41	----	45.44
GW-13	10/01/13	76.85	----	32.24	----	44.61
GW-13	04/07/14	76.85	----	33.28	----	43.57
GW-13	04/15/14	76.85	----	33.00	----	43.85
GW-13	10/27/14	76.85	----	33.35	----	43.50
GW-13	04/20/15	76.85	----	33.72	----	43.13
GW-13	10/19/15	76.85	----	34.42	----	42.43
GW-13	04/11/16	76.85	----	34.82	----	42.03
GW-13	10/03/16	76.85	----	35.32	----	41.53
GW-13	04/17/17	76.85	----	35.35	----	41.50
GW-13	10/02/17	76.85	----	34.17	----	42.68
GW-13	04/16/18	76.85	----	35.36	----	41.49
GW-13	11/05/18	76.85	----	36.85	----	40.00

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GW-13	04/15/19	76.85	----	35.89	----	40.96
GW-13	10/29/19	76.85	----	36.61	----	40.24
GW-13(1in)	04/11/08	77.10	----	28.30	----	48.80
GW-13(1in)	01/11/10	77.10	----	30.24	----	46.86
GW-13(1in)	04/07/10	77.10	----	30.08	----	47.02
GW-14	11/09/07	76.54	----	27.85	----	48.69
GW-14	04/14/08	76.54	----	27.36	----	49.18
GW-14	07/24/08	76.54	----	26.02	----	50.52
GW-14	10/13/08	76.54	----	28.79	----	47.75
GW-14	02/10/09	76.54	----	26.62	----	49.92
GW-14	04/20/09	76.54	----	28.27	----	48.27
GW-14	10/19/09	76.54	----	27.46	----	49.08
GW-14	04/08/10	76.54	----	28.70	----	47.84
GW-14	04/12/10	76.54	----	28.40	----	48.14
GW-14	01/08/11	76.54	----	29.45	----	47.09
GW-14	04/08/11	76.54	----	27.98	----	48.56
GW-14	07/08/11	76.54	----	28.31	----	48.23
GW-14	10/06/11	76.54	----	28.93	----	47.61
GW-14	04/12/12	76.54	----	29.95	----	46.59
GW-14	04/20/12	76.54	----	29.90	----	46.64
GW-14	01/10/13	76.54	----	33.29	----	43.25
GW-14	04/03/13	76.54	----	31.29	----	45.25
GW-14	04/08/13	76.54	----	31.17	----	45.37
GW-14	10/02/13	76.54	----	32.04	----	44.50
GW-14	04/09/14	76.54	----	32.65	----	43.89
GW-14	04/16/14	76.54	----	32.42	----	44.12
GW-14	10/27/14	76.54	----	32.87	----	43.67
GW-14	Well decommissioned in December 2014 prior to remedial excavation					
GW-14(1in)	01/12/10	76.55	----	29.84	----	46.71
GW-14R	10/03/17	78.77	33.35	35.03	1.68	NC
GW-14R	04/16/18	78.77	33.80	36.50	2.70	NC
GW-14R	11/05/18	78.77	34.22	37.69	3.47	NC
GW-14R	04/15/19	78.77	33.74	34.76	1.02	NC
GW-14R	10/30/19	78.77	34.30	34.87	0.57	NC
GW-15	04/11/08	74.94	----	26.19	----	48.75
GW-15	04/12/10	74.94	27.58	29.63	2.05	NC
GW-15	04/08/11	74.94	26.75	26.76	0.01	NC
GW-15	07/07/11	74.94	27.57	27.61	0.04	NC
GW-15	10/06/11	74.94	28.38	28.40	0.02	NC
GW-15	04/12/12	74.94	29.54	29.55	0.01	NC
GW-15	01/11/13	74.94	----	30.39	----	44.55
GW-15	04/03/13	74.94	29.13	35.20	6.07	NC
GW-15	10/02/13	74.94	31.70	35.01	3.31	NC
GW-15	04/09/14	74.94	----	32.08	----	42.86

APPENDIX C
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 Defense Fuel Support Point Norwalk
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Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)	
GW-15	04/17/14	74.94	31.50	33.00	1.50	NC	
GW-15	10/27/14	74.94	32.82	32.87	0.05	NC	
GW-15	04/20/15	74.94	-----	32.39	-----	42.55	
GW-15	10/21/15	74.94	-----	33.34	-----	41.60	
GW-15	04/13/16	74.94	33.68	33.75	0.07	NC	
GW-15	10/03/16	74.94	-----	34.31	-----	40.63	
GW-15	04/20/17	74.94	-----	33.91	-----	41.03	
GW-15	10/03/17	74.94	-----	33.58	-----	41.36	
GW-15	04/16/18	74.94	-----	34.36	-----	40.58	
GW-15	11/05/18	74.94	activated pump in well; not gauged				
GW-15	04/18/19	74.94	-----	34.51	-----	40.43	
GW-15	10/29/19	74.94	-----	34.03	-----	40.91	
GW-15(1in)	07/24/08	75.36	27.50	27.55	0.05	NC	
GW-15(1in)	10/16/08	75.36	28.15	28.16	0.01	NC	
GW-15(1in)	02/09/09	75.36	27.98	28.02	0.04	NC	
GW-15(1in)	07/17/09	75.36	28.51	28.59	0.08	NC	
GW-15(1in)	04/08/10	75.36	27.74	29.43	1.69	NC	
GW-16	10/19/09	76.33	-----	29.94	-----	46.39	
GW-16	04/12/10	76.33	-----	28.71	-----	47.62	
GW-16	07/07/11	76.33	-----	28.96	-----	47.37	
GW-16	10/06/11	76.33	-----	29.34	-----	46.99	
GW-16	04/12/12	76.33	-----	30.12	-----	46.21	
GW-16	01/11/13	76.33	-----	31.30	-----	45.03	
GW-16	04/03/13	76.33	-----	31.10	-----	45.23	
GW-16	10/02/13	76.33	-----	31.77	-----	44.56	
GW-16	04/09/14	76.33	-----	32.09	-----	44.24	
GW-16	04/16/14	76.33	-----	31.95	-----	44.38	
GW-16	10/27/14	76.33	-----	32.46	-----	43.87	
GW-16	04/20/15	76.33	-----	32.71	-----	43.62	
GW-16	10/21/15	76.33	-----	33.55	-----	42.78	
GW-16	04/13/16	76.33	-----	34.12	-----	42.21	
GW-16	10/03/16	76.33	-----	34.65	-----	41.68	
GW-16	04/18/17	76.33	-----	34.07	-----	42.26	
GW-16	10/03/17	76.33	-----	34.57	-----	41.76	
GW-16	04/16/18	76.33	-----	35.31	-----	41.02	
GW-16	11/05/18	76.33	-----	35.85	-----	40.48	
GW-16	04/16/19	76.33	-----	34.97	-----	41.36	
GW-16	10/28/19	76.33	-----	35.26	-----	41.07	
GW-16(1in)	07/17/09	76.55	-----	28.87	-----	47.68	
GW-16(1in)	01/12/10	76.55	-----	29.94	-----	46.61	
GW-16(1in)	04/07/11	76.33	-----	28.55	-----	47.78	
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	

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
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Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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
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	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	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-1	Well decommissioned in December 2014 prior to remedial excavation					
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	NC
GWR-3	05/15/00	74.93	28.67	31.92	3.25	NC
GWR-3	11/13/00	74.93	----	37.59	----	37.34
GWR-3	05/07/01	74.93	27.20	28.15	0.95	NC
GWR-3	11/05/01	74.93	----	27.95	----	46.98
GWR-3	04/08/02	74.93	----	27.58	----	47.35
GWR-3	05/02/05	74.93	----	26.12	----	48.81
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	04/21/09	74.93	----	29.97	----	44.96
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	10/15/12	77.60	----	31.21	----	46.39
GWR-3	04/08/13	77.60	29.18	29.21	0.03	NC
GWR-3	10/07/13	77.60	31.67	36.20	4.53	NC
GWR-3	04/14/14	77.60	32.23	38.80	6.57	NC
GWR-3	10/27/14	77.60	33.49	34.68	1.19	NC
GWR-3	04/20/15	77.60	33.34	37.25	3.91	NC
GWR-3	07/24/15	77.60	33.95	41.30	7.35	NC
GWR-3	10/20/15	77.60	34.65	35.98	1.33	NC
GWR-3	04/11/16	77.60	----	36.90	----	40.70
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
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
HL-1	10/31/05	75.83	----	25.43	----	50.40
HL-2	05/28/96	76.91	----	30.94	----	45.97
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
HL-2	07/07/03	76.94	----	28.61	----	48.33
HL-2	10/06/03	76.91	----	28.50	----	48.41
HL-2	01/20/04	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	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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	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	----	37.49	----	39.45
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-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	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	04/14/14	76.86	----	32.68	----	44.18

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
HL-3	04/20/15	76.86	----	33.43	----	43.43
HL-3	10/19/15	76.86	----	34.15	----	42.71
HL-3	04/11/16	76.86	----	36.03	----	40.83
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	----	37.19	----	39.67
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-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	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	05/28/96	77.20	----	30.52	----	46.68
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

APPENDIX C
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Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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
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	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	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-7	05/28/96	78.13	----	32.10	----	46.03
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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
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	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	----	32.69	----	45.44
MW-7	04/11/16	78.13	----	36.75	----	41.38
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-8	05/28/96	76.06	----	26.96	----	49.10
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	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
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	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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	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
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-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	NC
MW-9	11/15/99	77.11	----	28.58	----	48.53
MW-9	11/13/00	77.11	28.92	28.94	0.02	NC
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	NC
MW-9	11/05/01	77.11	----	27.59	----	49.52
MW-9	04/08/02	77.11	28.21	28.30	0.09	NC
MW-9	10/21/02	77.11	29.10	29.16	0.06	NC
MW-9	04/07/03	77.11	28.41	28.42	0.01	NC
MW-9	10/06/03	77.11	28.47	28.48	0.01	NC
MW-9	01/11/04	77.11	----	29.63	----	47.48
MW-9	04/19/04	77.11	27.50	27.53	0.03	NC
MW-9	05/02/05	77.11	----	23.61	----	53.50
MW-9	10/31/05	77.11	25.31	25.62	0.31	NC
MW-9	05/01/06	77.11	25.71	25.75	0.04	NC
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	NC
MW-9	11/12/07	77.11	27.65	27.69	0.04	NC
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	NC
MW-9	05/24/10	77.11	----	29.11	----	48.00

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	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
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	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-10	05/28/96	79.12	----	32.22	----	46.90
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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
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	05/28/96	78.17	27.63	30.52	2.89	NC
MW-11	11/20/96	78.17	31.31	33.60	2.29	NC
MW-11	07/01/97	78.17	31.89	34.15	2.26	NC
MW-11	12/31/97	78.17	31.42	33.49	2.07	NC
MW-11	05/01/98	78.17	26.96	28.75	1.79	NC
MW-11	05/25/99	78.17	29.93	29.95	0.02	NC
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	05/28/96	75.76	----	28.18	----	47.58
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	----	27.38	----	48.38
MW-12	11/13/00	75.76	----	27.44	----	48.32
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
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	----	23.42	----	52.34
MW-12	05/02/05	75.76	----	23.56	----	52.20
MW-12	10/31/05	75.76	----	25.61	----	50.15
MW-12	05/01/06	75.76	----	24.85	----	50.91
MW-12	05/01/06	75.76	----	25.09	----	50.67
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	----	25.80	----	49.96
MW-12	04/30/07	75.76	----	26.25	----	49.51
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	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	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
MW-13	05/28/96	78.25	----	30.80	----	47.45
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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
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	10/19/15	78.25	----	35.52	----	42.73
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-14	05/28/96	78.60	----	32.31	----	46.29
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	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
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	10/19/15	78.60	----	36.12	----	42.48
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-15	05/28/96	76.99	----	28.96	----	48.03
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
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	NC
MW-15	04/07/03	76.99	28.51	28.52	0.01	NC
MW-15	10/06/03	76.99	28.38	28.39	0.01	NC
MW-15	01/11/04	76.99	29.55	29.64	0.09	NC
MW-15	04/19/04	76.99	27.60	27.61	0.01	NC
MW-15	05/02/05	76.99	22.88	22.93	0.05	NC
MW-15	10/31/05	76.99	27.60	27.81	0.21	NC
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	NC
MW-15	04/14/08	76.99	27.40	28.37	0.97	NC

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
MW-15	04/14/08	76.99	27.33	28.31	0.98	NC
MW-15	10/13/08	76.99	-----	29.05	-----	47.94
MW-15	04/20/09	76.99	28.24	28.98	0.74	NC
MW-15	10/19/09	76.99	29.21	30.37	1.16	NC
MW-15	05/24/10	76.99	28.60	29.49	0.89	NC
MW-15	05/28/10	76.99	28.57	29.46	0.89	NC
MW-15	10/04/10	76.99	29.14	30.19	1.05	NC
MW-15	04/11/11	76.99	28.16	28.62	0.46	NC
MW-15	10/10/11	76.99	28.59	29.30	0.71	47.69
MW-15	04/27/12	76.99	-----	31.50	-----	45.49
MW-15	10/15/12	76.99	31.36	32.38	1.02	NC
MW-15	04/08/13	76.99	31.44	32.40	0.96	NC
MW-15	10/07/13	76.99	31.87	32.18	0.31	NC
MW-15	04/14/14	76.99	32.59	32.70	0.11	NC
MW-15	10/27/14	76.99	-----	33.33	-----	43.66
MW-15	Well decommissioned in December 2014 prior to remedial excavation					
MW-15R	04/17/17	74.85	-----	34.41	-----	40.44
MW-15R	10/02/17	74.85	-----	34.58	-----	40.27
MW-15R	04/16/18	74.85	-----	34.83	-----	40.02
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-16	05/28/96	76.87	-----	28.85	-----	48.02
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
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	04/09/14	76.87	----	32.68	----	44.19
MW-16	10/27/14	77.87	----	32.84	----	45.03
MW-16	04/20/15	76.87	----	33.24	----	43.63
MW-16	10/19/15	76.87	----	34.06	----	42.81
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-17	05/28/96	77.86	----	29.91	----	47.95

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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
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

APPENDIX C

HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019

Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	10/19/15	77.86	----	34.97	----	42.89
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-18 (MID)	05/28/96	75.67	33.20	33.81	0.61	NC
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	NC
MW-18 (MID)	05/01/98	75.67	29.81	29.83	0.02	NC
MW-18 (MID)	08/09/99	75.67	----	31.33	----	44.34
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)	10/06/03	75.67	----	31.42	----	44.25
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
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)	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)	10/15/12	75.67	----	33.41	----	42.26

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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)	04/11/16	75.67	----	38.89	----	36.78
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-19 (MID)	05/28/96	78.14	----	31.52	----	46.62
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
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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)	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)	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-20 (MID)	05/28/96	77.19	----	31.42	----	45.77
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
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	----	36.14	----	41.05
MW-20 (MID)	04/08/02	77.19	----	30.82	----	46.37
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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)	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)	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-21 (MID)	05/04/99	77.55	----	28.99	----	48.56
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

APPENDIX C

HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019

Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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)	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)	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-22 (MID)	05/28/96	79.57	----	33.53	----	46.04
MW-22 (MID)	11/20/96	79.57	----	34.39	----	45.18
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
MW-22 (MID)	05/07/01	79.57	----	32.01	----	47.56
MW-22 (MID)	05/07/01	79.57	----	32.05	----	47.52
MW-22 (MID)	09/18/01	79.57	----	32.07	----	47.50
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
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

APPENDIX C

HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019

Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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)	10/19/15	79.57	----	38.72	----	40.85
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-23 (MID)	05/28/96	79.59	----	32.44	----	47.15
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
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	05/28/96	78.51	----	32.08	----	46.43
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
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	10/19/15	78.51	----	36.02	----	42.49
MW-24	04/11/16	78.51	----	36.42	----	42.09
MW-24	04/17/17	78.51	----	34.90	----	43.61
MW-24	10/02/17	77.66	----	36.24	----	41.42
MW-24	10/25/17	77.66	----	36.25	----	41.41
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-25	05/28/96	79.15	----	32.77	----	46.38
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	----	31.12	----	48.03
MW-25	05/07/01	79.15	----	31.15	----	48.00
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	05/28/96	77.40	----	30.70	----	46.70
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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
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	10/19/15	77.40	----	34.94	----	42.46
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-27	05/28/96	78.46	----	31.43	----	47.03
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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
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	10/27/14	78.46	----	34.63	----	43.83
MW-27	04/20/15	78.46	----	35.03	----	43.43
MW-27	10/19/15	78.46	----	35.79	----	42.67
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-28	05/28/96	78.53	----	31.13	----	47.40
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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
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	04/17/17	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-29	05/28/96	79.13	31.36	31.49	0.13	NC
MW-29	11/20/96	79.13	32.41	32.66	0.25	NC
MW-29	07/01/97	79.13	31.60	31.65	0.05	NC
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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
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	10/19/15	79.13	----	36.46	----	42.67
MW-29	4.11.16	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-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	NC
MW-O-1	05/02/05	75.48	22.85	22.89	0.04	NC
MW-O-1	10/31/05	75.48	27.43	27.51	0.08	NC
MW-O-1	05/01/06	75.48	22.62	24.09	1.47	NC
MW-O-1	12/04/06	75.48	23.62	24.86	1.24	NC
MW-O-1	04/30/07	75.48	23.98	24.10	0.12	NC
MW-O-1	08/14/07	75.48	23.78	25.31	1.53	NC
MW-O-1	08/28/07	75.48	23.06	23.07	0.01	NC
MW-O-1	11/12/07	75.48	24.25	24.27	0.02	NC
MW-O-1	10/17/08	75.48	----	25.30	----	50.18
MW-O-1	04/21/09	75.48	----	25.41	----	50.07
MW-O-1	10/19/09	75.48	----	26.30	----	49.18

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	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	04/20/15	75.48	----	30.39	----	45.09
MW-O-1	10/27/15	75.48	----	27.67	----	47.81
MW-O-1	04/11/16	75.48	----	DRY	----	----
MW-O-1	10/03/16	75.48	----	DRY (32.71)	----	----
MW-O-1	04/17/17	75.48	----	DRY	----	----
MW-O-1	10/02/17	75.48	----	DRY (8.77)	----	----
MW-O-1	04/16/18	75.48	----	DRY	----	----
MW-O-1	11/05/18	75.48	----	DRY (34.26)	----	----
MW-O-1	04/16/19	75.48	----	32.09	----	43.39
MW-O-1	10/28/19	75.48	----	DRY (39.24)	----	----
MW-O-2	05/28/96	74.38	25.39	27.40	2.01	NC
MW-O-2	11/20/96	74.38	25.55	29.58	4.03	NC
MW-O-2	07/01/97	74.31	26.15	26.49	0.34	NC
MW-O-2	12/31/97	74.31	26.78	29.00	2.22	NC
MW-O-2	05/15/00	74.31	25.37	29.63	4.26	NC
MW-O-2	11/13/00	74.31	25.61	26.32	0.71	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	10/06/03	74.31	23.00	24.19	1.19	NC
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	NC
MW-O-2	05/22/06	74.31	21.31	21.32	0.01	NC
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	10/17/08	71.90	----	24.85	----	47.05
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	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	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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)	
MW-O-2	10/27/14	71.90	29.65	29.81	0.16	NC	
MW-O-2	04/20/15	71.90	29.34	30.94	1.60	NC	
MW-O-2	05/21/15	71.90	27.31	32.50	5.19	NC	
MW-O-2	10/19/15	71.90	30.53	32.39	1.86	NC	
MW-O-2	04/11/16	71.90	32.54	33.03	0.49	NC	
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	NC	
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	NC	
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	obstruction				
MW-O-4	05/04/99	75.00	24.14	24.19	0.05	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	NC	
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	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	04/20/09	78.93	----	29.97	----	48.96	
MW-SF-1	07/20/09	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	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	

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	NC
MW-SF-1	04/14/14	78.93	32.69	37.40	4.71	NC
MW-SF-1	10/27/14	78.93	34.43	34.80	0.37	NC
MW-SF-1	04/20/15	78.93	34.48	34.89	0.41	NC
MW-SF-1	10/19/15	78.93	35.53	36.35	0.82	NC
MW-SF-1	04/11/16	78.93	----	37.96	----	40.97
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-2	11/20/96	78.45	30.31	36.68	6.37	NC
MW-SF-2	07/01/97	78.45	28.43	45.25	16.82	NC
MW-SF-2	12/31/97	78.45	30.86	33.92	3.06	NC
MW-SF-2	05/01/98	78.45	20.73	27.55	6.82	NC
MW-SF-2	05/15/00	78.45	27.56	30.01	2.45	NC
MW-SF-2	11/13/00	78.45	29.27	30.32	1.05	NC
MW-SF-2	05/07/01	78.45	28.00	29.75	1.75	NC
MW-SF-2	08/07/01	78.45	28.79	30.25	1.46	NC
MW-SF-2	11/05/01	78.45	29.50	30.49	0.99	NC
MW-SF-2	10/21/02	78.45	29.74	30.74	1.00	NC
MW-SF-2	10/06/03	78.93	29.87	29.88	0.01	NC
MW-SF-2	04/19/04	78.45	30.90	30.91	0.01	NC
MW-SF-2	05/02/05	78.45	26.25	26.52	0.27	NC
MW-SF-2	10/31/05	78.45	26.30	29.71	3.41	NC
MW-SF-2	05/01/06	78.45	27.22	27.96	0.74	NC
MW-SF-2	12/04/06	78.45	27.98	28.82	0.84	NC
MW-SF-2	04/30/07	78.45	28.34	28.35	0.01	NC
MW-SF-2	11/12/07	78.45	28.71	29.18	0.47	NC
MW-SF-2	08/12/08	78.45	----	31.11	----	47.34
MW-SF-2	10/17/08	78.45	31.00	31.55	0.55	NC
MW-SF-2	04/21/09	78.53	----	29.98	----	48.55
MW-SF-2	10/04/10	78.53	30.75	30.96	0.21	NC
MW-SF-2	04/11/11	78.53	----	29.83	----	48.70
MW-SF-2	10/10/11	78.53	----	29.82	----	48.71
MW-SF-2	01/09/12	78.53	----	30.52	----	48.01

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	NC
MW-SF-2	04/14/14	78.53	33.27	37.50	4.23	NC
MW-SF-2	10/27/14	78.53	33.54	37.04	3.50	NC
MW-SF-2	04/20/15	78.53	34.73	36.15	1.42	NC
MW-SF-2	10/21/15	78.53	36.13	36.32	0.19	NC
MW-SF-2	04/11/16	78.53	----	37.47	----	41.06
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-3	08/07/01	76.03	27.67	29.20	1.53	NC
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	NC
MW-SF-3	10/06/03	78.93	28.92	29.09	0.17	NC
MW-SF-3	04/19/04	77.62	29.92	30.81	0.89	NC
MW-SF-3	05/02/05	77.62	25.09	26.70	1.61	NC
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	NC
MW-SF-3	12/04/06	77.62	27.18	27.77	0.59	NC
MW-SF-3	04/30/07	77.62	27.45	27.72	0.27	NC
MW-SF-3	11/12/07	77.62	28.28	29.34	1.06	NC
MW-SF-3	08/12/08	77.62	29.05	30.30	1.25	NC
MW-SF-3	10/17/08	77.62	----	29.45	----	48.17
MW-SF-3	04/21/09	78.12	29.50	29.51	0.01	NC
MW-SF-3	10/04/10	78.12	30.30	30.88	0.58	NC
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	10/15/12	78.12	----	32.47	----	45.65
MW-SF-3	05/24/13	78.12	32.51	33.35	0.84	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	NC
MW-SF-3	10/27/14	78.12	33.85	34.49	0.64	NC
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	04/11/16	78.12	----	37.17	----	40.95
MW-SF-3	10/03/16	78.12	----	39.40	----	38.72

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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
MW-SF-3	11/05/18	78.12	----	38.69	----	39.43
MW-SF-3	10/28/19	78.12	----	38.77	----	39.35
MW-SF-4	11/20/96	79.38	32.17	35.90	3.73	NC
MW-SF-4	07/01/97	79.38	31.85	36.92	5.07	NC
MW-SF-4	12/31/97	79.38	32.10	33.89	1.79	NC
MW-SF-4	05/01/98	79.38	28.27	29.99	1.72	NC
MW-SF-4	11/19/99	79.38	28.80	36.87	8.07	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	07/30/03	79.38	31.89	31.92	0.03	NC
MW-SF-4	10/06/03	79.38	----	30.82	----	48.56
MW-SF-4	01/27/04	79.38	31.30	31.94	0.64	NC
MW-SF-4	04/19/04	79.38	31.65	32.70	1.05	NC
MW-SF-4	07/19/04	79.38	31.42	31.81	0.39	NC
MW-SF-4	02/01/05	79.38	30.34	30.71	0.37	NC
MW-SF-4	05/02/05	79.38	26.85	27.00	0.15	NC
MW-SF-4	08/01/05	79.38	27.43	27.81	0.38	NC
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	NC
MW-SF-4	05/01/06	79.38	28.34	28.56	0.22	NC
MW-SF-4	09/18/06	79.38	29.56	29.94	0.38	NC
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	NC
MW-SF-4	04/30/07	79.38	29.11	29.96	0.85	NC
MW-SF-4	08/28/07	79.38	28.30	29.95	1.65	NC
MW-SF-4	11/12/07	79.38	29.69	29.70	0.01	NC
MW-SF-4	02/19/08	79.38	----	30.22	----	49.16
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	04/20/09	79.38	29.94	30.02	0.08	NC
MW-SF-4	07/20/09	79.38	31.61	31.65	0.04	NC
MW-SF-4	10/19/09	79.38	31.90	31.93	0.03	NC
MW-SF-4	03/15/10	79.38	31.91	31.95	0.04	NC
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	10/04/10	79.38	----	31.81	----	47.57

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	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	04/25/14	79.38	34.23	40.03	5.80	NC
MW-SF-4	10/27/14	79.38	35.25	35.54	0.29	NC
MW-SF-4	04/20/15	79.38	35.29	37.78	2.49	NC
MW-SF-4	10/19/15	79.38	36.25	38.12	1.87	NC
MW-SF-4	04/11/16	79.38	----	37.76	----	41.62
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-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	NC
MW-SF-5	10/06/03	79.74	31.14	31.15	0.01	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	08/28/07	79.74	----	28.84	----	50.90
MW-SF-5	11/12/07	79.74	----	29.93	----	49.81
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	05/24/10	79.74	----	31.55	----	48.19
MW-SF-5	05/28/10	79.74	----	31.44	----	48.30
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	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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	04/11/16	79.74	----	DRY	----	----
MW-SF-5	10/03/16	79.74	----	DRY (37.80)	----	----
MW-SF-5	04/17/17	79.74	----	36.88	----	42.86
MW-SF-5	10/02/17	79.74	----	DRY (38.09)	----	----
MW-SF-5	04/16/18	79.74	----	DRY	----	----
MW-SF-5	11/05/18	79.74	----	DRY (38.29)	----	----
MW-SF-5	04/16/19	79.74	----	DRY	----	----
MW-SF-5	10/28/19	79.74	----	DRY (38.21)	----	----
MW-SF-6	11/20/96	80.59	31.88	39.82	7.94	NC
MW-SF-6	07/01/97	80.59	33.20	39.18	5.98	NC
MW-SF-6	12/31/97	80.59	34.38	39.94	5.56	NC
MW-SF-6	05/01/98	80.59	24.82	30.01	5.19	NC
MW-SF-6	05/15/00	80.59	29.67	31.19	1.52	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	NC
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	04/21/09	76.80	----	28.45	----	48.35
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	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	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	NC
MW-SF-6	10/27/14	76.80	32.58	32.92	0.34	NC
MW-SF-6	04/20/15	76.80	33.11	33.23	0.12	NC
MW-SF-6	10/21/15	76.80	----	34.28	----	42.52
MW-SF-6	04/11/16	76.80	----	35.83	----	40.97

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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-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	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	NC
MW-SF-9	04/19/04	74.10	26.20	26.23	0.03	NC
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	08/28/07	74.10	----	20.55	----	53.55
MW-SF-9	11/12/07	74.10	----	22.96	----	51.14
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
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	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	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	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	NC
MW-SF-9	10/27/14	74.10	29.89	30.29	0.40	NC
MW-SF-9	04/20/15	74.10	27.67	36.69	9.02	NC
MW-SF-9	10/19/15	74.10	31.04	31.44	0.40	NC
MW-SF-9	04/11/16	74.10	----	32.89	----	41.21
MW-SF-9	10/02/17	74.10	Inaccessible - unable to locate			
MW-SF-9	11/05/18	74.10	unable to locate well			
MW-SF-10	10/17/08	76.53	----	27.49	----	49.04

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	NC
MW-SF-10	04/11/11	76.53	27.37	27.41	0.04	NC
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	10/15/12	76.53	----	29.27	----	47.26
MW-SF-10	10/19/15	76.53	----	DRY (30.27)	----	----
MW-SF-10	04/11/16	76.53	----	DRY	----	----
MW-SF-10	10/03/16	76.53	----	DRY (30.40)	----	----
MW-SF-10	04/17/17	76.53	----	DRY	----	----
MW-SF-10	10/02/17	76.53	----	DRY (29.64)	----	----
MW-SF-10	04/16/18	76.53	----	DRY	----	----
MW-SF-10	11/05/18	76.53	----	DRY (29.67)	----	----
MW-SF-10	04/16/19	76.53	----	DRY	----	----
MW-SF-10	10/28/19	76.53	----	DRY (29.62)	----	----
MW-SF-11	08/28/07	78.56	----	28.22	----	50.34
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	04/21/09	78.56	----	30.03	----	48.53
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	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	NC
MW-SF-11	10/27/14	78.56	33.99	36.20	2.21	NC
MW-SF-11	04/20/15	78.56	34.86	38.89	4.03	NC
MW-SF-11	10/20/15	78.56	35.38	37.42	2.04	NC
MW-SF-11	04/11/16	78.56	----	37.62	----	40.94
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	----	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-12	08/28/07	78.07	----	27.58	----	50.49
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	78.08	----	30.42	----	47.66
MW-SF-12	04/21/09	78.07	----	29.52	----	48.55
MW-SF-12	10/04/10	78.07	----	30.70	----	47.37

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	10/15/12	78.07	----	32.12	----	45.95
MW-SF-12	04/14/14	78.07	32.67	38.04	5.37	NC
MW-SF-12	09/05/14	78.07	32.93	38.52	5.59	NC
MW-SF-12	10/27/14	78.07	33.08	37.40	4.32	NC
MW-SF-12	04/20/15	78.07	34.05	36.42	2.37	NC
MW-SF-12	10/20/15	78.07	34.84	36.78	1.94	NC
MW-SF-12	04/11/16	78.07	----	37.13	----	40.94
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-13	08/28/07	73.40	----	22.85	----	50.55
MW-SF-13	11/12/07	73.40	----	23.70	----	49.70
MW-SF-13	08/15/08	73.40	24.11	27.38	3.27	NC
MW-SF-13	10/17/08	73.40	24.33	27.28	2.95	NC
MW-SF-13	10/21/08	73.40	24.26	27.14	2.88	NC
MW-SF-13	04/21/09	73.40	24.78	24.86	0.08	NC
MW-SF-13	10/04/10	73.40	25.92	26.95	1.03	NC
MW-SF-13	04/12/11	73.40	24.78	24.79	0.01	NC
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	10/15/12	73.40	----	27.01	----	46.39
MW-SF-13	04/08/13	73.40	----	27.90	----	45.50
MW-SF-13	11/14/13	73.40	28.25	29.95	1.70	NC
MW-SF-13	04/14/14	73.40	28.47	31.36	2.89	NC
MW-SF-13	10/27/14	73.40	29.06	30.21	1.15	NC
MW-SF-13	04/20/15	73.40	29.04	32.44	3.40	NC
MW-SF-13	10/19/15	73.40	29.31	35.16	5.85	NC
MW-SF-13	04/11/16	73.40	----	32.28	----	41.12
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-14	08/28/07	78.16	----	27.53	----	50.63
MW-SF-14	08/15/08	78.16	29.24	29.77	0.53	NC

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
MW-SF-14	10/17/08	78.16	29.50	29.52	0.02	NC
MW-SF-14	04/21/09	78.16	-----	29.61	-----	48.55
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	10/15/12	78.16	-----	30.02	-----	48.14
MW-SF-14	05/24/13	78.16	-----	32.75	-----	45.41
MW-SF-14	11/14/13	78.16	33.19	33.57	0.38	NC
MW-SF-14	04/14/14	78.16	33.56	34.81	1.25	NC
MW-SF-14	10/27/14	78.16	33.97	34.40	0.43	NC
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	04/11/16	78.16	-----	37.14	-----	41.02
MW-SF-14	10/03/16	78.16	-----	DRY (40.15)	-----	-----
MW-SF-14	04/17/17	78.16	-----	DRY	-----	-----
MW-SF-14	10/02/17	78.16	-----	DRY (36.03)	-----	-----
MW-SF-14	04/16/18	78.16	-----	DRY	-----	-----
MW-SF-14	11/05/18	78.16	-----	DRY (36.10)	-----	-----
MW-SF-14	04/16/19	78.16	-----	DRY	-----	-----
MW-SF-14	10/28/19	78.16	-----	DRY (36.07)	-----	-----
MW-SF-15	08/28/07	78.27	27.61	27.65	0.04	NC
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	NC
MW-SF-15	10/17/08	78.27	29.44	30.80	1.36	NC
MW-SF-15	04/21/09	78.27	29.60	29.96	0.36	NC
MW-SF-15	10/04/10	78.27	30.65	30.66	0.01	NC
MW-SF-15	04/12/11	78.27	29.40	30.50	1.10	NC
MW-SF-15	10/10/11	78.27	-----	29.60	-----	48.67
MW-SF-15	04/16/12	78.27	32.39	32.48	0.09	NC
MW-SF-15	10/15/12	78.16	-----	33.04	-----	45.12
MW-SF-15	05/24/13	78.27	-----	33.90	-----	44.37
MW-SF-15	11/14/13	78.27	33.38	33.41	0.03	NC
MW-SF-15	04/18/14	78.27	-----	33.85	-----	44.42
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	NC
MW-SF-15	10/19/15	78.27	34.87	37.90	3.03	NC
MW-SF-15	04/11/16	78.27	-----	37.24	-----	41.03
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

APPENDIX C
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 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
MW-SF-16	08/28/07	78.21	----	27.51	----	50.70
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	04/21/09	78.21	----	29.60	----	48.61
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	10/15/12	78.21	----	32.47	----	45.74
MW-SF-16	05/24/13	78.21	32.73	32.97	0.24	NC
MW-SF-16	11/14/13	78.21	33.21	33.80	0.59	NC
MW-SF-16	04/18/14	78.21	33.65	34.20	0.55	NC
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	10/21/15	78.21	----	34.56	----	43.65
MW-SF-16	04/11/16	78.21	----	37.15	----	41.06
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 (34.82)	----	----
MW-SF-16	04/16/18	78.21	----	DRY	----	----
MW-SF-16	11/05/18	78.21	----	DRY (35.98)	----	----
MW-SF-16	04/16/19	78.21	----	DRY	----	----
MW-SF-16	10/28/19	78.21	----	DRY (35.08)	----	----
OLD_TF-24	11/20/96	76.36	----	31.18	----	45.18
OLD_TF-24	04/27/07	76.36	----	27.39	----	48.97
PW-1	05/28/96	75.52	----	29.74	----	45.78
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
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

APPENDIX C
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 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	10/15/12	75.52	----	27.76	----	47.76
PW-1	10/19/15	75.52	----	DRY (27.85)	----	----
PW-1	04/11/16	75.52	----	DRY	----	----
PW-1	10/03/16	75.52	----	DRY (28.40)	----	----
PW-1	04/17/17	75.52	----	DRY	----	----
PW-1	10/02/17	75.52	----	34.40	----	41.12
PW-1	04/16/18	75.52	----	DRY	----	----
PW-1	11/05/18	75.52	----	DRY (29.45)	----	----
PW-1	04/16/19	75.52	----	DRY	----	----
PW-1	10/28/19	75.52	----	DRY (34.22)	----	----
PW-2	05/28/96	74.65	----	27.83	----	46.82
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
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

APPENDIX C
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Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	10/19/15	74.71	----	DRY (25.98)	----	----
PW-2	04/11/16	74.71	----	DRY	----	----
PW-2	10/03/16	74.71	----	DRY (25.90)	----	----
PW-2	04/17/17	74.71	----	DRY	----	----
PW-2	10/02/17	74.71	----	DRY (25.84)	----	----
PW-2	04/16/18	74.71	----	DRY	----	----
PW-2	11/05/18	74.71	----	DRY (25.76)	----	----
PW-2	04/16/19	74.71	----	DRY	----	----
PW-2	10/28/19	74.71	----	DRY (35.62)	----	----
PW-3	05/28/96	73.64	----	26.73	----	46.91
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	11/13/00	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

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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
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	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	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
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

APPENDIX C
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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	05/28/96	73.96	----	28.26	----	45.70
PZ-2	11/20/96	73.96	----	27.49	----	46.47
PZ-2	07/01/97	73.96	27.56	28.92	1.36	NC
PZ-2	12/31/97	73.96	28.87	29.45	0.58	NC
PZ-2	05/01/98	73.96	23.83	25.40	1.57	NC
PZ-2	05/04/99	73.96	25.38	27.20	1.82	NC
PZ-2	08/09/99	73.96	25.71	27.58	1.87	NC
PZ-2	11/15/99	73.96	----	26.83	----	47.13
PZ-2	05/15/00	73.96	----	26.17	----	47.79
PZ-2	11/13/00	73.96	26.58	26.88	0.30	NC
PZ-2	05/07/01	73.96	24.99	25.21	0.22	NC
PZ-2	11/05/01	73.96	24.87	25.09	0.22	NC
PZ-2	04/08/02	73.96	24.96	24.96	0.00	NC
PZ-2	10/21/02	73.96	26.31	26.44	0.13	NC
PZ-2	04/07/03	73.96	26.12	26.22	0.10	NC
PZ-2	10/06/03	73.96	25.51	25.53	0.02	NC
PZ-2	04/19/04	73.96	26.81	26.89	0.08	NC
PZ-2	11/02/04	73.96	27.19	27.24	0.05	NC
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	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	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

APPENDIX C
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 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	04/11/16	73.96	----	32.97	----	40.99
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
PZ-3	05/28/96	76.17	27.83	32.71	4.88	NC
PZ-3	11/20/96	76.17	28.79	32.80	4.01	NC
PZ-3	07/01/97	76.17	28.75	30.69	1.94	NC
PZ-3	12/31/97	76.17	28.60	32.86	4.26	NC
PZ-3	05/01/98	76.17	18.34	25.21	6.87	NC
PZ-3	05/25/99	76.17	----	31.70	----	44.47
PZ-3	05/19/00	76.17	27.48	31.54	4.06	NC
PZ-3	11/13/00	76.17	27.01	30.05	3.04	NC
PZ-3	05/07/01	76.17	25.99	30.30	4.31	NC
PZ-3	04/08/02	76.17	----	31.00	----	45.17
PZ-3	09/19/02	76.17	28.84	29.94	1.10	NC
PZ-3	10/21/02	76.17	28.10	29.66	1.56	NC
PZ-3	04/07/03	76.17	27.81	28.80	0.99	NC
PZ-3	10/06/03	76.17	27.65	28.90	1.25	NC
PZ-3	04/19/04	76.17	29.08	29.68	0.60	NC
PZ-3	11/01/04	76.17	28.32	29.63	1.31	NC
PZ-3	02/28/05	76.17	24.32	26.89	2.57	NC
PZ-3	03/06/06	76.17	24.97	25.12	0.15	NC
PZ-3	05/01/06	76.17	25.39	25.96	0.57	NC
PZ-3	08/26/06	76.17	25.76	26.26	0.50	NC
PZ-3	12/01/06	76.17	26.11	26.77	0.66	NC
PZ-3	03/21/07	76.17	26.05	26.16	0.11	NC
PZ-3	04/30/07	76.17	26.66	26.68	0.02	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

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 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	NC
PZ-3	04/03/13	76.17	30.63	30.86	0.23	NC
PZ-3	04/08/13	76.17	30.56	30.99	0.43	NC
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
PZ-3	10/20/15	76.17	33.38	34.09	0.71	NC
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	NC
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-4	05/28/96	76.13	----	28.79	----	47.34
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	----	25.08	----	51.05
PZ-4	05/07/01	76.13	----	26.97	----	49.16
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

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Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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
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

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 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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
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	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-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

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PZ-6	06/07/04	73.91	----	26.56	----	47.35
PZ-6	07/08/04	73.91	----	26.57	----	47.34
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	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
PZ-7B	04/11/11	73.79	----	24.57	----	49.22
PZ-7B	10/10/11	73.79	----	25.30	----	48.49
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	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	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	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

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PZ-9B	04/16/12	76.26	----	29.10	----	47.16
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
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	04/16/12	74.34	----	28.00	----	46.34
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	04/11/16	74.34	----	33.37	----	40.97
PZ-10	10/03/16	74.34	----	DRY (34.81)	----	----
PZ-10	04/17/17	74.34	----	DRY	----	----
PZ-10	10/02/17	74.34	----	DRY (28.97)	----	----
PZ-10	04/16/18	74.34	----	DRY	----	----
PZ-10	11/05/18	74.34	----	DRY (27.82)	----	----
PZ-10	04/16/19	74.34	----	DRY	----	----

APPENDIX C
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 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
PZ-10	10/28/19	74.34	----	DRY (27.81)	----	----
RTF-18-E	04/19/17	75.19	31.35	31.53	0.18	NC
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	33.36	34.11	0.75	NC
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	32.70	32.71	0.01	NC
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	33.89	33.92	0.03	NC
RTF-18-NW	04/19/17	76.22	31.04	31.08	0.04	NC
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	33.22	33.44	0.22	NC
RTF-18-W	04/19/17	74.86	30.98	31.15	0.17	NC
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	33.32	33.35	0.03	NC
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

APPENDIX C
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 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	10/20/15	74.86	----	32.18	----	42.68
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
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	10/29/19	74.86	----	35.42	----	39.44
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	NC
TF-9	05/25/99	75.27	27.00	27.04	0.04	NC

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 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	NC
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	NC
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	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	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
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	Well decommissioned in December 2014 prior to remedial excavation					
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	10/28/19	78.00	----	38.14	----	39.86
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

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 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	04/08/02	73.61	----	26.16	----	47.45
TF-10	09/19/02	74.19	----	27.28	----	46.91
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	NC
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	NC
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	NC

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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
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	NC
TF-13	12/31/97	75.90	28.05	30.97	2.92	NC
TF-13	05/01/98	75.90	30.65	31.10	0.45	NC
TF-13	05/25/99	75.90	27.12	27.40	0.28	NC
TF-13	05/15/00	75.90	31.25	31.65	0.40	NC
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

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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
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	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	NC
TF-14	07/01/97	74.78	30.60	31.10	0.50	NC
TF-14	12/31/97	74.78	27.03	31.85	4.82	NC
TF-14	05/01/98	74.78	29.95	30.75	0.80	NC
TF-14	05/25/99	74.78	25.60	28.86	3.26	NC
TF-14	05/15/00	74.78	26.65	27.95	1.30	NC
TF-14	05/07/01	74.78	----	26.30	----	48.48
TF-14	04/08/02	74.35	28.40	28.48	0.08	NC
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

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Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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
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	NC
TF-15	07/01/97	75.40	31.40	31.65	0.25	NC
TF-15	12/31/97	75.40	27.79	31.56	3.77	NC
TF-15	05/01/98	75.40	28.35	30.05	1.70	NC
TF-15	05/25/99	75.40	26.41	26.94	0.53	NC
TF-15	05/15/00	75.40	28.90	29.54	0.64	NC
TF-15	05/07/01	75.40	28.90	29.30	0.40	NC
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	NC
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	NC
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

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Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	NC
TF-15	04/03/13	74.78	----	29.22	----	45.56
TF-15	10/02/13	74.78	29.97	30.04	0.07	NC
TF-15	04/09/14	74.78	30.22	32.25	2.03	NC
TF-15	04/16/14	74.78	30.18	32.06	1.88	NC
TF-15	10/27/14	74.78	30.31	30.86	0.55	NC
TF-15	04/20/15	74.78	30.68	33.50	2.82	NC
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	34.49	36.28	1.79	NC
TF-16	11/20/96	76.48	32.52	32.75	0.23	NC
TF-16	07/01/97	76.48	32.50	33.10	0.60	NC
TF-16	12/31/97	76.48	28.69	32.79	4.10	NC
TF-16	05/01/98	76.48	32.07	32.61	0.54	NC
TF-16	05/25/99	76.48	27.82	27.90	0.08	NC
TF-16	05/15/00	76.48	32.03	32.48	0.45	NC
TF-16	05/07/01	76.48	31.96	32.20	0.24	NC
TF-16	04/08/02	75.89	31.40	31.49	0.09	NC
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

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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
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	NC
TF-16	04/20/15	75.89	31.87	34.70	2.83	NC
TF-16	04/11/16	75.89	33.41	36.15	2.74	NC
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	NC
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	34.69	35.73	1.04	NC
TF-17	11/20/96	75.26	30.00	30.53	0.53	NC
TF-17	07/01/97	75.26	30.10	30.20	0.10	NC
TF-17	12/31/97	75.26	----	27.50	----	47.76
TF-17	05/01/98	75.26	24.86	25.18	0.32	NC
TF-17	05/25/99	75.26	25.40	28.24	2.84	NC
TF-17	05/15/00	75.26	28.84	29.32	0.48	NC
TF-17	05/07/01	75.26	----	26.20	----	49.06
TF-17	04/08/02	74.88	27.01	27.04	0.03	NC

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Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	NC
TF-17	10/06/03	74.88	-----	26.63	-----	48.25
TF-17	04/19/04	75.26	27.32	28.83	1.51	NC
TF-17	11/01/04	75.26	27.80	28.30	0.50	NC
TF-17	02/28/05	75.26	22.62	23.33	0.71	NC
TF-17	05/02/05	75.26	21.57	22.25	0.68	NC
TF-17	03/06/06	75.26	23.42	23.98	0.56	NC
TF-17	05/01/06	75.26	23.39	26.35	2.96	NC
TF-17	08/26/06	75.26	24.08	26.52	2.44	NC
TF-17	12/01/06	74.88	24.77	26.62	1.85	NC
TF-17	03/21/07	75.26	24.67	25.02	0.35	NC
TF-17	04/30/07	75.26	25.00	26.16	1.16	NC
TF-17	11/09/07	74.88	25.35	26.01	0.66	NC
TF-17	02/05/08	75.26	25.98	28.18	2.20	NC
TF-17	07/24/08	75.26	26.15	27.29	1.14	NC
TF-17	10/13/08	75.26	26.67	27.95	1.28	NC
TF-17	02/10/09	75.26	26.05	27.66	1.61	NC
TF-17	07/17/09	74.88	26.90	27.64	0.74	NC
TF-17	04/08/10	74.88	26.76	26.78	0.02	NC
TF-17	10/01/10	74.88	27.72	28.14	0.42	NC
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	Well decommissioned in December 2014 prior to remedial excavation					
TF-17R/EP-72	04/16/18	77.63	36.22	37.29	1.07	NC
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	36.55	36.56	0.01	NC
TF-18	05/25/99	73.94	24.22	25.83	1.61	NC
TF-18	05/15/00	73.94	25.13	26.22	1.09	NC
TF-18	05/07/01	73.94	-----	25.30	-----	48.64
TF-18	04/08/02	73.94	27.10	27.42	0.32	NC
TF-18	09/19/02	73.94	25.80	26.89	1.09	NC
TF-18	10/21/02	73.94	27.92	27.94	0.02	NC
TF-18	04/22/03	73.94	-----	28.11	-----	45.83

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TF-18	10/06/03	73.94	25.09	25.28	0.19	NC
TF-18	04/19/04	73.94	-----	26.00	-----	47.94
TF-18	11/01/04	73.94	26.25	27.76	1.51	NC
TF-18	02/28/05	73.94	-----	22.27	-----	51.67
TF-18	05/02/05	73.94	20.45	20.67	0.22	NC
TF-18	03/06/06	73.94	22.62	22.67	0.05	NC
TF-18	05/01/06	73.94	22.57	22.59	0.02	NC
TF-18	08/26/06	73.94	23.14	23.29	0.15	NC
TF-18	12/01/06	73.94	-----	23.97	-----	49.97
TF-18	03/21/07	73.94	23.91	24.02	0.11	NC
TF-18	04/30/07	73.94	24.30	24.35	0.05	NC
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	NC
TF-18	10/01/10	73.94	-----	26.35	-----	47.59
TF-18	01/08/11	73.94	26.65	26.86	0.21	NC
TF-18	04/07/11	73.94	24.95	25.11	0.16	NC
TF-18	07/08/11	73.94	25.30	25.40	0.10	NC
TF-18	10/06/11	73.94	25.95	25.97	0.02	NC
TF-18	04/12/12	73.94	-----	27.30	-----	46.64
TF-18	01/10/13	73.94	27.85	30.25	2.40	NC
TF-18	04/03/13	73.94	28.04	28.80	0.76	NC
TF-18	10/02/13	73.94	28.68	29.47	0.79	NC
TF-18	04/09/14	73.94	29.37	30.90	1.53	NC
TF-18	04/16/14	73.94	29.38	31.15	1.77	NC
TF-18	10/27/14	73.94	29.48	30.91	1.43	NC
TF-18	04/20/15	73.94	29.36	30.11	0.75	NC
TF-18	10/20/15	73.94	30.41	33.06	2.65	NC
TF-18	04/11/16	73.94	31.12	34.08	2.96	NC
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	73.94	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-19	11/20/96	75.61	-----	29.06	-----	46.55
TF-19	07/01/97	75.61	29.20	29.30	0.10	NC
TF-19	12/31/97	75.61	-----	28.27	-----	47.34
TF-19	05/01/98	75.61	-----	25.70	-----	49.91

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TF-19	05/25/99	75.61	----	26.42	----	49.19
TF-19	05/15/00	75.61	32.33	32.90	0.57	NC
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
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	NC
TF-19	10/27/14	75.07	30.72	31.46	0.74	NC
TF-19	04/20/15	75.07	30.77	33.03	2.26	NC
TF-19	10/20/15	75.07	32.45	32.46	0.01	NC
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

APPENDIX C
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 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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-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	NC
TF-20	05/01/06	75.59	24.67	27.70	3.03	NC
TF-20	08/26/06	75.59	25.05	28.68	3.63	NC
TF-20	12/01/06	75.59	25.48	29.67	4.19	NC
TF-20	03/21/07	75.59	25.42	25.49	0.07	NC
TF-20	04/30/07	75.59	----	25.84	----	49.75
TF-20	11/09/07	75.59	26.45	29.02	2.57	NC
TF-20	02/05/08	75.08	27.47	28.65	1.18	NC
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	NC
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	NC
TF-20	04/03/13	75.08	30.30	30.32	0.02	NC
TF-20	10/02/13	75.08	30.93	30.95	0.02	NC
TF-20	04/09/14	75.08	----	31.47	----	43.61

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Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
TF-20	04/16/14	75.08	31.32	31.35	0.03	NC
TF-20	10/27/14	75.08	31.76	31.79	0.03	NC
TF-20	Well decommissioned in December 2014 prior to remedial excavation					
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-21	11/20/96	75.60	29.83	29.91	0.08	NC
TF-21	07/01/97	75.60	30.80	31.10	0.30	NC
TF-21	12/31/97	75.60	----	28.35	----	47.25
TF-21	05/01/98	75.60	----	25.56	----	50.04
TF-21	05/25/99	75.60	26.49	26.58	0.09	NC
TF-21	05/15/00	75.60	28.68	29.04	0.36	NC
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
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	01/08/11	74.96	----	27.89	----	47.07
TF-21	04/08/11	74.96	----	26.09	----	48.87

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Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	10/03/16	74.96	----	36.31	----	38.65
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-22	11/20/96	74.95	30.56	31.98	1.42	NC
TF-22	07/01/97	74.95	30.70	31.00	0.30	NC
TF-22	12/31/97	74.95	28.01	28.90	0.89	NC
TF-22	05/01/98	74.95	23.57	25.24	1.67	NC
TF-22	05/25/99	74.95	26.02	26.44	0.42	NC
TF-22	05/15/00	74.95	32.65	32.96	0.31	NC
TF-22	05/07/01	74.95	32.70	33.01	0.31	NC
TF-22	04/08/02	74.76	32.80	32.98	0.18	NC
TF-22	09/19/02	74.95	----	27.63	----	47.32
TF-22	10/21/02	74.95	31.42	32.60	1.18	NC
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	NC
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	NC
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

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Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	NC
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	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
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	NC
TF-23	01/11/13	75.31	----	29.67	----	45.64
TF-23	04/03/13	75.31	29.60	29.70	0.10	NC

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TF-23	10/02/13	75.31	30.34	30.56	0.22	NC
TF-23	04/09/14	75.31	30.92	31.16	0.24	NC
TF-23	04/16/14	75.31	30.90	31.08	0.18	NC
TF-23	10/27/14	75.31	31.15	31.16	0.01	NC
TF-23	04/20/15	75.31	31.51	31.54	0.03	NC
TF-23	04/11/16	75.31	32.84	33.11	0.27	NC
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	11/05/18	75.31	inaccessible; buried			
TF-23	04/22/19	75.31	-----	33.04	-----	42.27
TF-23	10/29/19	75.31	33.93	33.97	0.04	NC
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	NC
TF-24	05/15/00	76.36	27.82	29.42	1.60	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	NC
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	NC
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	NC
TF-24	11/12/07	76.43	-----	28.03	-----	48.40
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

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TF-24	04/20/15	76.43	----	33.21	----	43.22
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-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
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	74.85	----	28.88	----	45.97
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

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 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	75.85	----	28.87	----	46.98
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	NC
TF-26	04/09/14	75.85	31.48	32.58	1.10	NC
TFR-9	04/16/18	NS	35.94	38.43	2.49	NC
TFR-9	11/05/18	NS	36.20	38.40	2.20	NC
TFR-9	04/15/19	NS	----	35.61	----	NC
TFR-9	10/30/19	NS	36.36	36.64	0.28	NC
TFR-12	04/16/18	NS	35.57	38.23	2.66	NC
TFR-12	11/05/18	NS	35.66	39.21	3.55	NC
TFR-12	04/15/19	NS	35.51	35.52	0.01	NC
TFR-12	10/30/19	NS	35.78	37.03	1.25	NC
TFR-14	04/16/18	NS	36.18	36.80	0.62	NC
TFR-14	11/05/18	NS	36.80	37.29	0.49	NC
TFR-14	04/15/19	NS	35.98	36.06	0.08	NC
TFR-14	10/30/19	NS	36.44	36.47	0.03	NC
TFR-15	04/16/18	NS	35.88	36.55	0.67	NC

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Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
TFR-15	11/05/18	NS	36.10	38.00	1.90	NC
TFR-15	04/15/19	NS	35.34	35.80	0.46	NC
TFR-15	10/30/19	NS	35.97	35.99	0.02	NC
TFR-18	04/16/18	NS	33.82	34.61	0.79	NC
TFR-18	11/05/18	NS	34.59	35.50	0.91	NC
TFR-18	04/15/19	NS	33.72	33.75	0.03	NC
TFR-18	10/30/19	NS	34.00	34.90	0.90	NC
TFR-22	04/16/18	NS	32.60	37.85	5.25	NC
TFR-22	11/05/18	NS	33.51	36.59	3.08	NC
TFR-22	04/15/19	NS	33.09	33.52	0.43	NC
TFR-22	10/30/19	NS	33.45	34.18	0.73	NC
TFR-24	04/16/18	NS	33.86	36.64	2.78	NC
TFR-24	11/05/18	NS	33.30	36.75	3.45	NC
TFR-24	04/15/19	NS	32.84	32.98	0.14	NC
TFR-24	10/30/19	NS	33.05	34.41	1.36	NC
TFR-27	04/16/18	NS	34.08	36.90	2.82	NC
TFR-27	11/05/18	NS	33.49	35.21	1.72	NC
TFR-27	04/15/19	NS	33.80	34.06	0.26	NC
TFR-27	10/30/19	NS	34.10	34.50	0.40	NC
TFR-29	04/16/18	NS	32.26	39.68	7.42	NC
TFR-29	11/05/18	NS	33.15	37.95	4.80	NC
TFR-29	04/15/19	NS	32.70	34.75	2.05	NC
TFR-29	10/30/19	NS	32.83	36.13	3.30	NC
TFR-33	04/16/18	NS	34.40	37.12	2.72	NC
TFR-33	11/05/18	NS	34.20	37.10	2.90	NC
TFR-33	04/15/19	NS	33.28	33.80	0.52	NC
TFR-33	10/30/19	NS	33.89	34.01	0.12	NC
VEW-1	10/19/15	NS	----	DRY (29.02)	----	----
VEW-1	04/11/16	NS	----	DRY	----	----
VEW-1	10/03/16	NS	----	DRY (12.35)	----	----
VEW-1	04/17/17	NS	----	DRY	----	----
VEW-1	10/02/17	NS	----	DRY (12.44)	----	----
VEW-1	04/16/18	NS	----	DRY	----	----
VEW-1	11/05/18	NS	----	DRY (12.35)	----	----
VEW-1	10/28/19	NS	----	DRY (12.39)	----	----
VEW-2	10/19/15	NS	----	DRY (29.71)	----	----
VEW-2	04/11/16	NS	----	DRY	----	----
VEW-2	10/03/16	NS	----	DRY (29.70)	----	----
VEW-2	04/17/17	NS	----	DRY	----	----
VEW-2	10/02/17	NS	----	DRY (26.60)	----	----
VEW-2	04/16/18	NS	----	DRY	----	----
VEW-2	11/05/18	NS	----	DRY (26.31)	----	----

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Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
VEW-2	10/28/19	NS	----	DRY (28.76)	----	----
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	77.70	----	30.02	----	47.68
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
VE-2	04/07/10	77.26	----	30.36	----	46.90
VS-01	10/06/03	NS	----	26.30	----	NC
VS-01	04/19/04	NS	----	26.88	----	NC
VS-01	05/01/06	NS	----	24.01	----	NC
VS-01	05/01/06	NS	----	23.95	----	NC
VS-01	12/01/06	NS	----	24.92	----	NC
VS-01	12/01/06	NS	----	24.81	----	NC
VS-01	11/12/07	NS	----	24.92	----	NC
VS-01	11/12/07	NS	----	24.81	----	NC
VS-01	04/14/08	NS	----	25.48	----	NC
VS-01	04/14/08	NS	----	25.18	----	NC
VS-01	10/14/08	NS	----	26.87	----	NC
VS-01	10/14/08	NS	----	26.69	----	NC
VS-02	10/06/03	NS	----	25.63	----	NC
VS-02	04/19/04	NS	----	25.08	----	NC
VS-02	04/27/07	NS	----	25.50	----	NC
VS-03	10/06/03	NS	----	27.04	----	NC
VS-03	04/19/04	NS	----	28.25	----	NC
VS-03	05/01/06	NS	----	24.36	----	NC
VS-03	05/01/06	NS	----	24.21	----	NC
VS-03	12/01/06	NS	----	25.21	----	NC
VS-03	12/01/06	NS	----	25.18	----	NC
VS-03	04/27/07	NS	----	25.51	----	NC
VS-03	04/30/07	NS	----	25.51	----	NC

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VS-03	11/12/07	NS	----	26.33	----	NC
VS-03	11/12/07	NS	----	26.01	----	NC
VS-03	04/11/08	NS	----	25.90	----	NC
VS-03	04/11/08	NS	----	25.56	----	NC
VS-03	10/14/08	NS	----	26.85	----	NC
VS-03	10/14/08	NS	----	26.60	----	NC
VS-03	04/08/10	NS	----	27.10	----	NC
VS-03	04/08/10	NS	----	26.48	----	NC
WCW-1	05/28/96	72.86	----	25.95	----	46.91
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
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

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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	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	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-2	05/28/96	75.34	----	35.28	----	40.06
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
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

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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	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	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-3	05/28/96	76.16	----	30.40	----	45.76

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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
WCW-3	08/11/08	76.16	----	27.59	----	48.57
WCW-3	10/14/08	76.16	----	27.99	----	48.17

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	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-4	05/28/96	78.05	----	32.63	----	45.42
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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
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	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	04/17/17	78.05	----	36.61	----	41.44
WCW-4	10/02/17	78.05	----	36.79	----	41.26

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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-5	05/28/96	73.49	-----	26.63	-----	46.86
WCW-5	11/20/96	73.49	-----	26.94	-----	46.55
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	04/08/13	73.49	-----	27.17	-----	46.32

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	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
WCW-5	04/16/19	73.49	----	32.51	----	40.98
WCW-5	10/28/19	73.49	----	33.28	----	40.21
WCW-6	05/28/96	75.52	----	28.91	----	46.61
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	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
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	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	04/16/19	75.52	----	34.45	----	41.07
WCW-6	10/28/19	75.52	----	35.15	----	40.37
WCW-7	05/28/96	76.44	----	28.91	----	47.53
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	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-8	05/28/96	77.34	----	31.45	----	45.89
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
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	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	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
WCW-8	04/16/19	77.34	-----	36.92	-----	40.42
WCW-8	10/28/19	77.34	-----	37.20	-----	40.14
WCW-9	05/28/96	77.74	-----	31.98	-----	45.76
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	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	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
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-10	05/28/96	74.06	----	27.71	----	46.35
WCW-10	11/20/96	74.06	----	27.61	----	46.45

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	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	----	28.45	----	45.61
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	04/17/17	74.06	----	32.13	----	41.93
WCW-10	10/02/17	74.06	----	32.52	----	41.54

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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-11	05/28/96	75.29	----	29.30	----	45.99
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	NC
WCW-11	10/06/11	75.29	----	27.11	----	48.18
WCW-11	04/16/12	75.29	----	27.56	----	47.73
WCW-11	04/08/13	75.29	----	26.91	----	48.38
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
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Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	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-12	05/28/96	76.27	----	30.94	----	45.33
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
WCW-12	04/11/11	76.27	----	28.70	----	47.57
WCW-12	07/07/11	76.27	----	28.60	----	47.67
WCW-12	10/06/11	76.27	----	28.55	----	47.72
WCW-12	04/16/12	76.27	----	29.05	----	47.22
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	04/14/14	76.27	----	31.30	----	44.97
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	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-13	05/28/96	77.70	----	32.61	----	45.09
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
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	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
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH NOVEMBER 2019
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
WCW-14	04/16/12	78.81	-----	31.97	-----	46.84
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	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
WCW-14	10/28/19	78.81	-----	39.20	-----	39.61

Notes: feet MSL = feet above mean sea level, based on Los Angeles County Datum, 1980
 feet btc = feet below top of casing
 ----- = not detected/not applicable
 NS - not surveyed
 NC = not calculated due to presence of product in well

APPENDIX D

**HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL
OXYGENATES IN GROUNDWATER – NOVEMBER 1996 THROUGH NOVEMBER 2019**

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
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	<0.60	30	1,100	----	----	----	----
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	GSI	82	<500	1.4	<0.50	<0.50	2.7	<0.50	<1	----	----	----	----
EXP-1	03/14/97	GTI	<50	<47	<0.50	<0.50	<0.50	<0.50	----	----	----	----	----	----
EXP-1	03/14/97	GTI	<50	<50	<0.50	<0.50	<0.50	<0.50	----	----	----	----	----	----
EXP-1	03/14/97	GTI	<100	----	<2	<2	<2	<2	----	----	----	----	----	----
EXP-1	07/10/97	GTI	<50	290	<5	<5	<5	<5	<5	<5	----	----	----	----
EXP-1	01/09/98	GTI	<500	<100	<0.50	<0.50	<0.50	<1	<0.50	<0.50	----	----	----	----
EXP-1	05/20/98	BBC	<300	----	0.50	0.90	<0.50	<1	<0.50	<0.50	----	----	----	----
EXP-1	11/04/98	GTI	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	05/26/99	GTI	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	08/10/99	Alton Geoscience	<500	<1,000	<0.50	<1	<1	<1	<0.50	<1	----	----	----	----
EXP-1	09/23/99	Secor	<300	----	<0.50	<1	<1	<1	<0.50	<1	----	----	----	----
EXP-1	10/12/99	Secor	<300	----	<0.50	<1	<1	<1	<0.50	<1	----	----	----	----
EXP-1	11/18/99	IT Corporation	<300	----	<0.50	<1	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	11/19/99	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	12/21/99	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	01/20/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	02/28/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	03/28/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	04/20/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	05/17/00	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	05/18/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	06/30/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	08/28/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	11/29/00	IT Corporation	<300	----	0.50	<0.50	<0.50	0.70	<0.50	<0.50	----	----	----	----
EXP-1	02/06/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	05/08/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	05/09/01	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	09/19/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	11/07/01	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	11/07/01	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	01/30/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	04/10/02	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	04/11/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	07/30/02	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.98	----	----	----	----
EXP-1	09/06/02	Secor	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	10/23/02	GTI	<300	----	<0.50	<1	<1	<0.30	<0.50	<5	----	----	----	----
EXP-1	10/24/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	01/29/03	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	04/08/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	04/10/03	GTI	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	07/30/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	10/08/03	Blaine Tech for	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	10/08/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
EXP-1	01/29/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	04/21/04	Blaine Tech for	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	04/21/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	07/19/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	07/21/04	Blaine Tech for	200	----	<0.50	<0.50	<0.50	<0.50	----	<0.50	----	----	----	----
EXP-1	11/03/04	Blaine Tech for	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	02/02/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	05/04/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	08/02/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	11/02/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	02/27/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	05/02/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	05/03/06	Blaine Tech for	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	09/19/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	12/05/06	Blaine Tech for	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	12/05/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	03/13/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	05/02/07	Blaine Tech for	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	05/02/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	08/29/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	11/13/07	Blaine Tech for	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	11/13/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	02/20/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	04/16/08	Blaine Tech for	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	04/16/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	08/14/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	10/15/08	Blaine Tech for	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	10/17/08	Stantec	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-1	02/24/09	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	----	----	----
EXP-1	04/20/09	Blaine Tech for	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	04/22/09	Blaine Tech for AMEC	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	07/20/09	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	10/19/09	Blaine Tech for DESC	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	10/19/09	Blaine Tech for	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	01/11/10	Blaine Tech for DESC	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	03/15/10	Blaine Tech for	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	04/12/10	Blaine Tech for DESC	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.44 J	<10	<2	<2	<2
EXP-1	05/25/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	07/12/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	10/04/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	10/04/10	Blaine Tech for	----	----	<0.50	----	----	----	<0.50	0.45 J	<10	----	----	----
EXP-1	01/10/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	01/10/11	Blaine Tech for	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	04/11/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	04/11/11	Blaine Tech for	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	07/11/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	07/11/11	Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	10/10/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	10/10/11	Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	01/09/12	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	01/09/12	Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	04/16/12	CH2M Hill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
EXP-1	04/16/12	Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	07/09/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	07/09/12	Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	10/15/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	10/15/12	Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	01/14/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	01/14/13	Parsons	<100	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	04/08/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	04/08/13	Parsons	<100	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	10/07/13	CHHL	<50	130	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	10/07/13	Parsons	<100	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	04/14/14	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	04/14/14	Parsons	<100	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	10/28/14	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
EXP-1	10/28/14	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	<10	<1.0	<1.0	<1.0
EXP-1	04/23/15	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
EXP-1	04/23/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<10	<1.0	<1.0	<1.0
EXP-1	10/21/15	SGI	<100	<100	0.73	<0.50	<0.50	<1.5	<0.50	2.2	<10	<2.0	<2.0	<2.0
EXP-1	10/21/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.5	<10	<1.0	<1.0	<1.0
EXP-1	04/13/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.0	<10	<1.0	<1.0	<1.0
EXP-1	04/13/16	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	1.7	<10	<2.0	<2.0	<2.0
EXP-1	10/07/16	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	1.7	<10	<2.0	<2.0	<2.0
EXP-1	10/07/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.8	<10	<1.0	<1.0	<1.0
EXP-1	04/20/17	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
EXP-1	04/20/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.81	<10	<1.0	<1.0	<1.0
EXP-1	10/04/17	SGI	<100	260	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
DUP-3 (EXP-1)	10/04/17	SGI	<100	310	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
EXP-1	10/04/17	BT for CH2MHill	<50	220	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-1	10/25/17	SGI	----	230	----	----	----	----	----	----	----	----	----	----
EXP-1	04/17/18	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
EXP-1	04/17/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	11/06/18	SGI	<100	100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
EXP-1	11/06/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-1	11/06/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-1	04/18/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	04/18/19	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
EXP-1	10/30/19	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
EXP-1	10/29/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-2	11/27/96	GSI	<50	<500	<0.50	<0.50	<0.50	<0.10	<0.50	<1	----	----	----	----
EXP-2	03/14/97	GTI	<50	75	<0.50	<0.50	<0.50	<0.50	----	----	----	----	----	----
EXP-2	03/14/97	GTI	72	200	<0.50	<0.50	<0.50	<0.50	----	----	----	----	----	----
EXP-2	03/14/97	GTI	<100	----	<2	<2	<2	<2	----	----	----	----	----	----
EXP-2	07/10/97	GTI	<50	<50	<5	<5	<5	<5	<5	<5	----	----	----	----
EXP-2	01/09/98	GTI	<500	<100	<0.50	<0.50	<0.50	<1	<0.50	<0.50	----	----	----	----
EXP-2	05/20/98	BBC	<300	----	<0.50	0.60	<0.50	<1	<0.50	<0.50	----	----	----	----
EXP-2	11/04/98	GTI	<300	----	<0.50	1.5	1.0	10	<0.50	<0.50	----	----	----	----
EXP-2	05/07/99	Alton Geoscience	<500	<500	1.6	1.1	<0.50	1.9	<1	1.7	----	----	----	----
EXP-2	05/26/99	GTI	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	1.4	----	----	----	----
EXP-2	07/21/99	Alton Geoscience	<50	----	<0.50	<0.50	<0.50	<0.50	<1	0.83	----	----	----	----
EXP-2	08/10/99	Alton Geoscience	<500	<1,000	<0.50	<1	<1	<1	<0.50	<1	----	----	----	----
EXP-2	09/23/99	Secor	<300	----	<0.50	<1	<1	<1	<0.50	<1	----	----	----	----
EXP-2	10/12/99	Secor	<300	----	<0.50	<1	<1	<1	<0.50	<1	----	----	----	----

APPENDIX D
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 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
EXP-2	11/18/99	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-2	11/19/99	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-2	12/21/99	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-2	01/20/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-2	02/28/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-2	03/28/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-2	04/20/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-2	05/16/00	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-2	05/18/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-2	06/30/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-2	08/28/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-2	11/29/00	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-2	02/06/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-2	05/08/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-2	05/09/01	IT Corporation	<300	----	<0.50	0.90	<0.50	0.80	<0.50	<0.50	----	----	----	----
EXP-2	09/19/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-2	11/07/01	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-2	11/07/01	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-2	01/30/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-2	04/10/02	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-2	04/11/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-2	07/30/02	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-2	10/23/02	GTI	<300	----	<0.50	<1	<1	<1	<0.50	<1	----	----	----	----
EXP-2	10/24/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-2	01/28/03	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-2	04/08/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-2	04/11/03	GTI	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-2	07/30/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-2	10/07/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-2	10/10/03	BT for Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-2	01/29/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-2	04/21/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-2	04/22/04	BT for Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-2	07/20/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-2	07/21/04	BT for Parsons	120	----	<0.50	<0.50	<0.50	<0.50	----	<0.50	----	----	----	----
EXP-2	11/04/04	BT for Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-2	02/03/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-2	05/05/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-2	08/02/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-2	11/02/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-2	02/28/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-2	05/03/06	BT for Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-2	05/03/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-2	09/19/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-2	12/06/06	BT for Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-2	12/06/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-2	03/13/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-2	05/02/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-2	05/03/07	BT for Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-2	08/29/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-2	11/14/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-2	02/20/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
EXP-2	04/17/08	BT for Parsons	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-2	04/17/08	Secor	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-2	08/14/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-2	10/16/08	BT for Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-2	10/17/08	Stantec	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-2	02/24/09	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	----	----	----
EXP-2	04/21/09	BT for Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-2	04/22/09	Blaine Tech for AMEC	<50	----	1.1	0.59	0.67	1.8	<0.50	<0.50	<10	<1	<1	<1
EXP-2	07/20/09	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	10/19/09	Blaine Tech for DESC	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	6.1 J	<2	<2	<2
EXP-2	10/19/09	BT for Parsons	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	01/11/10	Blaine Tech for DESC	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-2	03/15/10	BT for Parsons	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	04/12/10	Blaine Tech for DESC	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<1
EXP-2	05/25/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	07/12/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	----
EXP-2	10/04/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	10/04/10	BT for Parsons	----	----	<0.50	----	----	----	<0.50	<0.50	<10	----	----	<2
EXP-2	01/10/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	01/10/11	BT for Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-2	04/11/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	04/11/11	BT for Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-2	07/11/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	07/11/11	Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-2	10/10/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	10/10/11	Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-2	01/09/12	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	01/09/12	Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-2	04/16/12	CH2M Hill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	04/16/12	Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-2	07/09/12	CHHL	<50	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	07/09/12	Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	11	<2	<2	<2
EXP-2	10/15/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	10/15/12	Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-2	01/14/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	01/14/13	Parsons	<100	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-2	04/08/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	04/08/13	Parsons	<100	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-2	10/07/13	CHHL	<50	140	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	10/07/13	Parsons	<100	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-2	04/14/14	CHHL	<50	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<2.0
EXP-2	04/14/14	Parsons	<100	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	8.5 J	<2	<2	<1.0
EXP-2	10/28/14	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
EXP-2	10/28/14	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-2	04/23/15	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
EXP-2	04/23/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-2	10/22/15	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<1.0
EXP-2	10/22/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<2.0
EXP-2	04/12/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<2.0
EXP-2	04/12/16	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
EXP-2	10/04/16	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
DUP-2 (EXP-2)	10/04/16	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0

APPENDIX D
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 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
EXP-2	10/04/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-2	04/19/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-2	04/19/17	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
EXP-2	10/02/17	SGI	<100	150	1.4	<0.50	5.4	1.8	<0.50	<1.0	<10	<2.0	<2.0	<2.0
EXP-2	10/03/17	BT for CH2MHill	<50	<100	0.98	<0.50	4.8	1.3	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-2	10/25/17	SGI	-----	140	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
EXP-2	04/19/18	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
EXP-2	04/19/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	11/05/18	SGI	<100	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<10	<2.0	<2.0	<2.0
EXP-2	11/05/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.52	<10	<1.0	<1.0	<1.0
EXP-2	11/06/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-2	04/18/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	04/18/19	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
EXP-2	10/29/19	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
EXP-2	10/29/19	BT for Jacobs	<50	56	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-3	11/27/96	GSI	<50	<500	<0.50	<0.50	<0.50	<1	<0.50	<1	-----	-----	-----	-----
EXP-3	03/14/97	GTI	<50	120	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----	-----	-----
EXP-3	03/14/97	GTI	<50	250	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----	-----	-----
EXP-3	03/14/97	GTI	<100	-----	<2	<2	<2	<2	-----	-----	-----	-----	-----	-----
EXP-3	07/10/97	GTI	<50	<50	<5	<5	<5	<5	-----	-----	-----	-----	-----	-----
EXP-3	01/09/98	GTI	<500	<100	<0.50	<0.50	<0.50	<1	<0.50	<0.50	-----	-----	-----	-----
EXP-3	05/20/98	BBC	<300	-----	<0.50	<0.50	<0.50	<1	<0.50	<0.50	-----	-----	-----	-----
EXP-3	11/04/98	GTI	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	05/07/99	Alton Geoscience	-----	<500	<0.50	<0.50	<0.50	<0.50	<1	0.89	-----	-----	-----	-----
EXP-3	05/27/99	GTI	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	08/10/99	Alton Geoscience	<500	<1,000	4.0	6.2	<1	3.4	<0.50	<1	-----	-----	-----	-----
EXP-3	09/23/99	Secor	<300	-----	<0.50	<1	<1	<1	<0.50	<1	-----	-----	-----	-----
EXP-3	10/12/99	Secor	<300	-----	<0.50	<1	<1	<1	<0.50	<1	-----	-----	-----	-----
EXP-3	11/18/99	IT Corporation	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	11/19/99	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	12/21/99	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	01/20/00	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	02/28/00	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	03/28/00	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	04/20/00	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	05/17/00	IT Corporation	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	05/18/00	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	06/30/00	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	08/28/00	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	11/30/00	IT Corporation	<300	-----	<0.50	0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	02/06/01	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	05/08/01	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	05/09/01	IT Corporation	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	09/19/01	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	11/07/01	IT Corporation	<300	-----	0.80	0.60	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	11/07/01	IT Corporation	<300	-----	<0.50	<0.60	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	01/30/02	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	04/11/02	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	04/12/02	IT Corporation	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	07/30/02	IT Corporation	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	10/22/02	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<1	-----	-----	-----	-----
EXP-3	10/23/02	GTI	<300	-----	<0.50	<1	<1	<1	<0.50	<1	-----	-----	-----	-----

APPENDIX D
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 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
EXP-3	01/29/03	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-3	04/08/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-3	04/11/03	GTI	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-3	07/30/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-3	10/07/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-3	10/10/03	BT for Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-3	01/29/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-3	04/20/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-3	04/22/04	BT for Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-3	07/19/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-3	07/21/04	BT for Parsons	120	----	<0.50	<0.50	<0.50	<0.50	----	<0.50	----	----	----	----
EXP-3	11/03/04	BT for Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-3	02/02/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-3	05/04/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-3	08/01/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-3	11/02/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-3	02/27/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-3	05/02/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-3	05/05/06	BT for Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-3	09/18/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-3	12/05/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-3	12/06/06	BT for Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-3	03/13/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-3	05/04/07	BT for Parsons	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-3	05/04/07	Secor	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-3	08/30/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-3	11/15/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-3	11/16/07	BT for Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-3	02/07/08	BT for Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-3	02/20/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-3	04/16/08	BT for Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-3	04/16/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-3	08/14/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-3	10/14/08	Stantec	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-3	10/15/08	BT for Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-3	02/24/09	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	----	----	----
EXP-3	04/22/09	BT for Parsons	<100	----	<0.50	3.4	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-3	04/23/09	Blaine Tech for AMEC	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-3	07/20/09	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-3	07/20/09	Blaine Tech for AMEC	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<1
EXP-3	10/19/09	Blaine Tech for DESC	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-3	10/19/09	BT for Parsons	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-3	01/11/10	Blaine Tech for DESC	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-3	03/15/10	BT for Parsons	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-3	04/12/10	Blaine Tech for DESC	----	----	0.31 J	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-3	05/25/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-3	07/12/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-3	10/04/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.74	<10	<1	<1	<1
EXP-3	10/04/10	BT for Parsons	----	----	<0.50	----	----	----	<0.50	0.68	<10	----	----	----
EXP-3	01/10/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	0.73	0.95	<10	<1	<1	<1
EXP-3	01/10/11	BT for Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	0.64	1.0	<10	<2	<2	<2
EXP-3	04/11/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	1.3	0.99	<10	<1	<1	<1

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
EXP-3	04/11/11	BT for Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	1.3	1.1	<10	<2	<2	<2
EXP-3	07/12/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	0.61	<0.50	<10	<1	<1	<1
EXP-3	07/12/11	Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	0.62	0.45 J	<10	<2	<2	<2
EXP-3	10/10/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-3	10/10/11	Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	8.7 J	<2	<2	<2
EXP-3	01/09/12	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.66	<10	<1	<1	<1
EXP-3	01/09/12	Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	0.81	0.63	<10	<2	<2	<2
EXP-3	04/16/12	CH2M Hill	<50	<50	<0.50	<0.50	<0.50	<0.50	0.58	<0.50	<10	<1	<1	<1
EXP-3	04/16/12	Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	0.54	0.48 J	<10	<2	<2	<2
EXP-3	07/09/12	CHHL	<50	190	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-3	07/09/12	Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	9.5 J	<2	<2	<2
EXP-3	08/29/12	CHHL	----	<50	----	----	----	----	----	----	----	----	----	----
EXP-3	10/15/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-3	10/15/12	Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	0.45 J	<0.50	<10	<2	<2	<2
EXP-3	01/14/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.58	<10	<1	<1	<1
EXP-3	01/14/13	Parsons	<100	<100	<0.50	<0.50	<0.50	<0.50	0.74	0.34 J	<10	<2	<2	<2
EXP-3	04/08/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-3	04/08/13	Parsons	<100	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-3	10/07/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-3	10/07/13	Parsons	<100	<100	<0.50	<0.50	<0.50	<0.50	0.36 J	<0.50	<10	<2	<2	<2
EXP-3	04/14/14	CHHL	<50	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-3	04/14/14	Parsons	<100	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-3	10/28/14	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
EXP-3	10/28/14	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	0.52	<0.50	<10	<1.0	<1.0	<1.0
EXP-3	04/23/15	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
EXP-3	04/23/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-3	10/20/15	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
EXP-3	10/20/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-3	04/12/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-3	04/12/16	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
EXP-3	10/04/16	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
EXP-3	10/04/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-3	04/18/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	0.53	<0.50	<10	<1.0	<1.0	<1.0
EXP-3	04/18/17	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
EXP-3	10/04/17	SGI	<100	160	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
EXP-3	10/04/17	BT for CH2MHill	<50	100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-3	10/25/17	SGI	----	<100	----	----	----	----	----	----	----	----	----	----
EXP-3	04/16/18	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
EXP-3	04/16/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	0.73	<0.50	<10	<1	<1	<1
EXP-3	11/06/18	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
EXP-3	11/06/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-3	11/06/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-3	04/16/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-3	04/16/19	SGI	<100	120	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
EXP-3	10/31/19	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
EXP-3	10/29/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-4	02/03/99	Alton Geoscience	<500	<500	<0.50	<0.50	<0.50	<1	<1	<0.50	----	----	----	----
EXP-4	05/06/99	Alton Geoscience	<500	<500	1.3	4.1	<0.50	<0.50	<1	<0.50	----	----	----	----
EXP-4	07/21/99	Alton Geoscience	<50	----	<0.50	<0.50	<0.50	<0.50	<1	<0.50	----	----	----	----
EXP-4	08/10/99	Alton Geoscience	<500	<1,000	50	80	7.7	44	2.1	4.2	----	----	----	----
EXP-4	09/23/99	Secor	<300	----	<0.50	<1	<1	<1	0.72	1.2	----	----	----	----
EXP-4	09/23/99	Secor	<300	----	<0.50	<1	<1	<1	<0.50	<1	----	----	----	----

APPENDIX D
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 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
EXP-4	09/23/99	Secor	<300	----	<0.50	<1	<1	<1	<0.50	<1	----	----	----	----
EXP-4	10/12/99	Secor	<300	----	<0.50	<1	<1	<1	<0.50	<1	----	----	----	----
EXP-4	11/19/99	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.60	----	----	----	----
EXP-4	12/21/99	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-4	12/21/99	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-4	01/20/00	Secor	<300	----	<0.50	<0.50	<0.50	0.50	<0.50	<0.50	----	----	----	----
EXP-4	02/28/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-4	03/28/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-4	04/20/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-4	05/18/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-4	06/30/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-4	08/28/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-4	11/30/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-4	02/06/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-4	05/08/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-4	09/18/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-4	11/07/01	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-4	01/30/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-4	04/11/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-4	10/24/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-4	10/07/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-4	05/05/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-4	05/05/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-4	09/20/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-4	05/01/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-4	04/18/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-4	04/21/09	Blaine Tech for AMEC	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-4	07/20/09	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-4	10/19/09	BT for Parsons	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-4	05/24/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-4	04/12/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-4	04/17/12	CH2M Hill	<50	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-4	04/09/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-4	10/08/13	CHHL	<50	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-4	04/15/14	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-4	10/28/14	BT for CH2MHill	<50	63 HD	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-4	04/22/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-4	10/21/15	BT for CH2MHill	<50	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-4	04/12/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-4	10/04/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-4	04/19/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-4	10/03/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-4	04/17/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-4	11/06/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-4	04/17/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-4	10/30/19	BT for Jacobs	<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	Alton Geoscience	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-5	02/03/99	Alton Geoscience	<500	<500	<0.50	<0.50	<0.50	<1	<1	<0.50	----	----	----	----
EXP-5	05/05/99	Alton Geoscience	<500	<500	7.6	3.9	1.4	7.4	<1	140	----	----	----	----
EXP-5	07/21/99	Alton Geoscience	<50	----	<0.50	<0.50	<0.50	<0.50	<1	11	----	----	----	----
EXP-5	08/10/99	Alton Geoscience	<500	<1,000	21	37	4.3	22	<0.50	2.4	----	----	----	----
EXP-5	09/23/99	Secor	<300	----	<0.50	<1	<1	<1	<0.50	<1	----	----	----	----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
EXP-5	09/23/99	Secor	<300	----	<0.50	<1	<1	<1	<0.50	<1	----	----	----	----
EXP-5	09/23/99	Secor	<300	----	<0.50	<1	<1	<1	<0.50	<1	----	----	----	----
EXP-5	10/12/99	Secor	<300	----	<0.50	<1	<1	<1	<0.50	<1	----	----	----	----
EXP-5	11/19/99	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-5	12/21/99	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-5	01/20/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-5	02/28/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-5	03/28/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-5	04/20/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-5	05/17/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-5	06/30/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-5	08/28/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-5	11/29/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-5	02/06/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-5	05/08/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-5	09/19/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-5	11/07/01	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-5	01/30/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-5	04/11/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-5	07/30/02	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-5	10/24/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-5	01/28/03	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-5	04/08/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-5	07/30/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-5	10/07/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-5	01/29/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-5	04/21/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-5	07/20/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-5	11/04/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-5	02/03/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-5	05/04/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-5	08/03/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-5	11/01/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-5	02/28/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-5	05/05/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-5	09/19/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-5	12/07/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-5	03/13/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-5	05/03/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-5	08/28/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-5	11/15/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-5	02/20/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-5	04/18/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-5	08/14/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-5	10/15/08	Stantec	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
EXP-5	02/23/09	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	----	----	----
EXP-5	04/22/09	Blaine Tech for AMEC	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	07/21/09	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	10/19/09	BT for Parsons	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	03/15/10	BT for Parsons	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	05/25/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	07/12/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
EXP-5	10/04/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	01/10/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	04/11/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	07/11/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	10/10/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	01/09/12	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	04/17/12	CH2M Hill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	07/09/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	10/16/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	01/14/13	CHHL	<50	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	04/09/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	10/09/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	04/15/14	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	10/28/14	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-5	04/23/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-5	10/21/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-5	04/12/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-5	10/04/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP 5	04/19/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-5	04/19/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-5	10/03/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-5	04/17/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	11/07/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-5	04/18/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	10/30/19	BT for Jacobs	<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	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	----	<0.50	<10	<1	<1	<1
GB-21	01/24/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	----	<0.50	140	<1	<1	<1
GB-22	01/21/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	----	<0.50	<10	<1	<1	<1
GB-22	01/21/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	----	<0.50	<10	<1	<1	<1
GB-22	01/21/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	----	<0.50	110	<1	<1	<1
GB-23	01/21/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	----	<0.50	<10	<1	<1	<1
GB-23	01/21/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	----	<0.50	<10	<1	<1	<1
GB-23	01/21/11	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	----	<0.50	2,400	<1	<1	<1
GMW-1	11/27/96	Terra Services	----	----	13,000	11,000	2,700	14,300	<50	<500	----	----	----	----
GMW-1	07/17/97	Terra Services	68,000	6,900	10,000	5,500	2,500	11,500	<30	<300	----	----	----	----
GMW-1	01/09/98	Terra Services	5,800	4,500	5,600	590	1,200	4,570	<30	<300	----	----	----	----
GMW-1	05/27/98	Terra Services	19,600	----	4,360	466	930	2,279	<0.50	101	----	----	----	----
GMW-1	11/17/98	Alton Geoscience	4,260	----	950	150	360	320	<50	<50	----	----	----	----
GMW-1	05/05/99	Alton Geoscience	<500	<500	1.9	8.4	0.58	2.9	<1	<0.50	----	----	----	----
GMW-1	11/17/99	Secor	23,000	----	4,700	440	1,100	4,040	<5	71	----	----	----	----
GMW-1	05/16/00	Secor	14,000	----	3,100	40	720	2,300	<25	50	----	----	----	----
GMW-1	11/30/00	Secor	14,000	----	2,700	80	1,000	1,780	<0.50	33	----	----	----	----
GMW-1	05/09/01	Secor	1,000	----	1,900	<13	530	468	<13	<13	----	----	----	----
GMW-1	11/06/01	Secor	11,000	----	2,900	35	1,300	280	<0.50	27	----	----	----	----
GMW-1	04/10/02	Secor	7,600	----	2,000	26	740	295	<10	18	----	----	----	----
GMW-1	10/23/02	Secor	830	----	1,300	<5	330	111	<5	17	----	----	----	----
GMW-1	03/11/03	Geomatrix	340	----	130	<0.50	30	6.1	<0.50	0.68	----	----	----	----
GMW-1	04/08/03	Secor	4,500	----	2,200	<10	240	142	<20	25	----	----	----	----
GMW-1	08/01/03	Secor	4,000	----	1,600	11	360	172	<20	14	----	----	----	----
GMW-1	10/06/03	Secor	7,400	----	2,200	12	520	196	<20	13	----	----	----	----
GMW-1	01/27/04	Secor	4,400	----	1,500	5.7	180	200	<10	12	----	----	----	----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-1	04/22/04	Secor	9,100	----	3,200	<20	270	160	<40	<20	----	----	----	----
GMW-1	07/19/04	Secor	6,000	----	2,100	<10	90	70	<20	20	----	----	----	----
GMW-1	11/03/04	Secor	7,900	----	3,500	<10	88	35	<20	18	----	----	----	----
GMW-1	02/02/05	Secor	2,100	----	1,100	<5	18	29	<10	12	----	----	----	----
GMW-1	05/06/05	Secor	<200	----	1.2	<1	<1	<1	<2	<1	----	----	----	----
GMW-1	08/01/05	Secor	<500	----	<2.5	<2.5	<2.5	<2.5	<5	<2.5	----	----	----	----
GMW-1	11/02/05	Secor	<500	----	<2.5	<2.5	<2.5	<2.5	<5	<2.5	----	----	----	----
GMW-1	02/27/06	Secor	<1000	----	<5	<5	<5	<5	<10	<5	----	----	----	----
GMW-1	05/04/06	Secor	<500	----	4.0	<2.5	<2.5	<2.5	<5	<2.5	----	----	----	----
GMW-1	09/18/06	Secor	<500	----	<2.5	<2.5	<2.5	<2.5	<5	<2.5	----	----	----	----
GMW-1	12/06/06	Secor	<500	----	<2.5	<2.5	<2.5	<2.5	<5	<2.5	----	----	----	----
GMW-1	03/13/07	Secor	<1000	----	<5	<5	<5	<5	<10	<5	----	----	----	----
GMW-1	05/04/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-1	08/30/07	Secor	520	----	<1.5	<1.5	<1.5	<1.5	<3	<1.5	----	----	----	----
GMW-1	11/14/07	Secor	140	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-1	02/20/08	Secor	<200	----	41	<1	4.9	4.8	<2	<1	----	----	----	----
GMW-1	04/16/08	Secor	<200	----	14	<1	<1	<1	<2	<1	----	----	----	----
GMW-1	10/17/08	Stantec	1,600	----	52	1.6	58	250	<2	<1	----	----	----	----
GMW-1	04/20/09	Blaine Tech for AMEC	600	----	63	1.2	25	16	<2	<1	<20	<2	<2	<2
GMW-1	10/22/09	BT for Parsons	330	----	1.5	<1	<1	<1	<2	<1	<20	<2	<2	<2
GMW-1	05/27/10	Blaine Tech	900	----	55	4.9	46	<1	<2	<1	<20	<2	<2	<2
GMW-1	10/07/10	Blaine Tech	400	----	<1	<1	<1	<1	<2	<1	<20	<2	<2	<2
GMW-1	04/14/11	Blaine Tech	230	----	<1	<1	<1	<1	<2	<1	<20	<2	<2	<2
GMW-1	10/12/11	CH2M Hill	230	----	<1	<1	<1	<1	<2	<1	<20	<2	<2	<2
GMW-1	04/19/12	CH2M Hill	<200	850	<1	<1	<1	<1	<2	<1	<20	<2	<2	<2
GMW-1	10/17/12	CHHL	<500	880	<2.5	<2.5	<2.5	<2.5	<5	<2.5	<50	<5	<5	<5
GMW-1	04/11/13	CHHL	<500	470	2.8	<2.5	<2.5	<2.5	<5	<2.5	<50	<5	<5	<5
GMW-1	10/10/13	CHHL	<200	270	<1	<1	<1	<1	<2	1.7	29	<2	<2	<2
GMW-1	04/16/14	CHHL	89	77	<0.50	<0.50	<0.50	<0.50	<0.50	2.2	11	<1	<1	<1
GMW-1	10/30/14	BT for CH2MHill	70	130	<0.50	<0.50	<0.50	<0.50	<0.50	0.94	<10	<1.0	<1.0	<1.0
GMW-1	04/23/15	BT for CH2MHill	58	60	<0.50	<0.50	<0.50	<0.50	<0.50	1.5	16	<1.0	<1.0	<1.0
GMW-1	10/23/15	BT for CH2MHill	110	140 HD	<0.50	<0.50	<0.50	<0.50	<0.50	1.9	13	<1.0	<1.0	<1.0
GMW-1	04/14/16	BT for CH2MHill	55	70	<0.50	<0.50	<0.50	7.7	<0.50	2.9	22	<1.0	<1.0	<1.0
GMW-1	10/06/16	BT for CH2MHill	57	150	0.56	<0.50	<0.50	2.9	<0.50	2.0	13	<1.0	<1.0	<1.0
GMW-2	11/21/96	Terra Services	----	----	6,500	44	700	960	<30	4,800	----	----	----	----
GMW-2	07/15/97	Terra Services	350	<500	59	1.2	41	20	<0.50	<5	----	----	----	----
GMW-2	01/08/98	Terra Services	<100	<500	4.1	0.79	1.1	1.1	2.7	220	----	----	----	----
GMW-2	05/27/98	Terra Services	<300	----	<0.50	58	0.80	0.50	<0.50	21	----	----	----	----
GMW-2	11/17/98	Alton Geoscience	<300	----	0.88	2.1	0.90	4.8	<0.50	4.4	----	----	----	----
GMW-2	05/07/99	Alton Geoscience	<500	<500	8.2	<0.50	<0.50	0.94	<1	42	----	----	----	----
GMW-2	11/17/99	Secor	<300	----	0.70	<0.50	<0.50	<0.50	<0.50	66	----	----	----	----
GMW-2	05/16/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	0.60	<0.50	----	----	----	----
GMW-2	11/30/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	1.0	140	----	----	----	----
GMW-2	05/08/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	0.60	51	----	----	----	----
GMW-2	11/06/01	Secor	<300	----	7.8	<0.50	<0.50	0.70	<0.50	140	----	----	----	----
GMW-2	04/09/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	240	----	----	----	----
GMW-2	10/23/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	260	----	----	----	----
GMW-2	10/07/03	Secor	91	----	<0.50	<0.50	<0.50	<0.50	<0.50	81	----	----	----	----
GMW-2	05/06/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-2	05/09/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	4.2	----	----	----	----
GMW-2	05/02/07	Secor	160	----	73	<0.50	<0.50	2.3	<1	5.8	----	----	----	----
GMW-2	04/17/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-2	04/20/09	Blaine Tech for AMEC	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-2	05/26/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-3	11/25/96	Terra Services	----	----	<5	<5	<0.50	<1.5	<5	<50	----	----	----	----
GMW-3	07/11/97	Terra Services	<100	<500	<0.50	<0.50	<0.50	<1	<0.50	<5	----	----	----	----
GMW-3	01/05/98	Terra Services	<100	<500	<0.50	<0.50	<0.50	<1.5	<0.50	<5	----	----	----	----
GMW-3	05/26/98	Terra Services	----	----	<0.50	<0.50	<0.50	0.90	<0.50	<0.50	----	----	----	----
GMW-3	11/11/98	Alton Geoscience	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	1.7	----	----	----	----
GMW-3	05/07/99	Alton Geoscience	<500	<500	1.1	4.4	<0.50	1.9	<1	<0.50	----	----	----	----
GMW-3	11/17/99	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-3	05/17/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-3	11/29/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-3	05/10/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-3	11/06/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-3	04/10/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-3	10/22/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	1.1
GMW-3	01/29/03	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.96	----	----	----	----
GMW-3	04/08/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-3	07/30/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-3	10/06/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-3	01/27/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-3	04/21/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-3	07/19/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-3	11/02/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-3	05/04/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-3	11/03/05	Secor	120	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-3	02/27/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-3	05/02/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-3	12/05/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-3	05/04/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-3	11/14/07	Secor	<200	----	<1	<1	<1	<1	<2	<1	----	----	----	----
GMW-3	04/16/08	BT for Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	<1	<0.50	----	----	----	----
GMW-3	04/16/08	Secor	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-3	10/14/08	Stantec	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-3	04/20/09	Blaine Tech for AMEC	<50	----	0.63	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-3	10/21/09	BT for Parsons	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-3	05/26/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-3	10/06/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-3	04/12/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-3	10/11/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-3	04/18/12	CH2M Hill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-3	06/14/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-3	04/16/14	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.52	<10	<1	<1	<1
GMW-3	10/29/14	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-3	04/21/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-3	10/22/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-4	07/15/97	Terra Services	1,300	2,100	38	<0.50	35	45	<0.50	<5	----	----	----	----
GMW-4	01/08/98	Terra Services	380	530	14	1.2	12	19	1.6	<5	----	----	----	----
GMW-4	05/26/98	Terra Services	2,300	----	42	<0.30	69	87	<2.5	<2.5	----	----	----	----
GMW-4	11/18/99	Secor	1,600	----	67	<0.50	51	24	<0.50	<0.50	----	----	----	----
GMW-4	05/19/00	Secor	2,500	----	48	0.50	29	37	<0.50	<0.50	----	----	----	----
GMW-4	04/10/03	Secor	500	----	8.0	<0.50	8.2	26	<0.50	<0.50	----	----	----	----
GMW-4	05/04/07	Secor	2,000	----	110	<1	27	12	<2	<1	----	----	----	----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-4	04/16/08	BT for Parsons	16,000	-----	270	<2.5	110	157	<2.5	<2.5	<50	<10	<10	<10
GMW-4	04/17/08	Secor	4,400	-----	290	<5	89	102	<10	<5	-----	-----	-----	-----
GMW-4	11/21/08	Stantec	4,900	-----	260	<2.5	45	28	<5	<2.5	-----	-----	-----	-----
GMW-4	04/23/09	Blaine Tech for AMEC	2,500	-----	120	<0.50	12	8.6	<1	3.9	<10	<1	<1	<1
GMW-4	05/27/10	Blaine Tech	2,200	-----	170	1.1	6.3	10	<2	<1	<20	<2	<2	<2
GMW-4	10/05/10	Blaine Tech	1,300	-----	8.2	<1	2.8	2.2	<2	3.2	<2	<2	<2	<2
GMW-4	04/14/11	Blaine Tech	2,800	-----	130	<1	2.0	3.4	<2	<1	<20	<2	<2	<2
GMW-4	10/12/11	CH2M Hill	1,200	-----	62	<1	1.4	<1	<2	3.8	<20	<2	<2	<2
GMW-4	04/20/12	CH2M Hill	4,600	25,000	170	<10	<10	<10	<20	<10	<200	<20	<20	<20
GMW-4	10/19/12	CHHL	1,300	8,100	36	<2.5	<2.5	<2.5	<5	<2.5	<50	<5	<5	<5
GMW-4	04/12/13	CHHL	2,100	8,000	56	<4	<4	<4	<8	<4	<80	<8	<8	<8
GMW-4	10/11/13	CHHL	1,800	2,400	24	<0.50	1.1	1.7	<1	2.2	<10	<1	<1	<1
GMW-4R	04/18/17	BT for CH2MHill	84	70	6.1	<0.50	2.2	1.2	<0.50	0.74	<10	<1.0	<1.0	<1.0
GMW-4R	10/05/17	BT for CH2MHill	<50	70	1.3	<0.50	<0.50	<0.50	<0.50	0.56	<10	<1.0	<1.0	<1.0
DUP-3 (GMW-4R)	10/05/17	BT for CH2MHill	51	85	1.3	<0.50	<0.50	<0.50	<0.50	0.66	<10	<1.0	<1.0	<1.0
GMW-4R	04/19/18	BT for Jacobs	100	50	1.1	<0.50	1.2	0.55	<0.50	0.68	<10	<1	<1	<1
GMW-4R	11/08/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-4R	04/18/19	BT for Jacobs	<50	<50	<0.50	<0.50	1.6	0.56	<0.50	<0.50	<10	<1	<1	<1
GMW-4R	10/30/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-5	11/27/96	GSI	<50	<500	<0.50	<0.50	<0.50	<1	-----	-----	-----	-----	-----	-----
GMW-5	07/11/97	GTI	<50	<50	<0.50	<1	<1	<2	-----	-----	-----	-----	-----	-----
GMW-5	01/06/98	GTI	<500	<100	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-5	05/18/98	BBC	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-5	11/04/98	GTI	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-5	05/27/99	GTI	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-5	11/18/99	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-5	05/16/00	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-5	11/29/00	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-5	05/09/01	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-5	11/07/01	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-5	04/10/02	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-5	10/08/13	Parsons	<100	120 HD	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-5	04/15/14	Parsons	<100	<95	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-5	10/27/14	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-5	04/21/15	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-6	11/27/96	GSI	5,300	<500	330	<12	320	300	-----	-----	-----	-----	-----	-----
GMW-6	07/09/97	GTI	<50	<50	2.7	<1	1.4	<2	<5	-----	-----	-----	-----	-----
GMW-6	01/07/98	GTI	<500	<100	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-6	05/21/98	BBC	<300	-----	<0.50	<0.50	<0.50	<1	<0.50	<0.50	-----	-----	-----	-----
GMW-6	11/05/98	GTI	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-6	05/27/99	GTI	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-6	11/18/99	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-6	05/16/00	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-6	11/29/00	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-6	05/09/01	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-6	11/07/01	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-6	04/10/02	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-6	10/23/02	GTI	<300	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-6	04/10/03	GTI	-----	-----	<1	<1	<1	<2	-----	<3	-----	-----	-----	-----
GMW-6	10/08/03	BT for Parsons	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-6	04/22/04	BT for Parsons	-----	-----	0.41	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-6	11/06/04	BT for Parsons	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-6	05/06/05	BT for Parsons	----	----	<0.30	0.46	<0.30	<0.30	----	<5	----	----	----	----
GMW-6	11/08/05	BT for Parsons	----	----	<0.30	<0.30	<0.30	<0.30	----	<5	----	----	----	----
GMW-6	05/03/06	BT for Parsons	----	----	<0.30	<0.30	<0.30	<0.30	----	<5	----	----	----	----
GMW-6	12/08/06	BT for Parsons	----	----	<0.50	<0.50	<0.50	1.3	----	<5	----	----	----	----
GMW-6	05/02/07	BT for Parsons	----	----	0.58	0.54	<0.50	<1	----	<5	----	----	----	----
GMW-6	08/31/07	BT for Parsons	3,400	----	400	96	45	188	<0.50	<0.50	<10	<2	<2	<2
GMW-6	11/14/07	BT for Parsons	----	----	<0.50	<0.50	<0.50	<1	----	<5	----	----	----	----
GMW-6	11/15/07	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-6	04/16/08	BT for Parsons	----	----	<0.50	<0.50	<0.50	<1	----	<5	----	----	----	----
GMW-6	10/15/08	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<10	<2	<2	<2
GMW-6	04/21/09	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	----	43	----	----	----	----
GMW-6	07/21/09	Blaine Tech for AMEC	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-6	10/20/09	Blaine Tech for DESC	----	----	1.5	<0.50	<0.50	<0.50	<0.50	350	<10	<2	<2	0.51 J
GMW-6	04/12/10	Blaine Tech for DESC	----	----	<0.50	<0.50	<0.50	<0.50	----	7.2	<10	<2	<2	<2
GMW-6	10/05/10	BT for Parsons	----	----	0.35 J	----	----	----	<0.50	130	210	----	----	----
GMW-6	02/24/11	Blaine Tech	<50	----	0.53	<0.50	<0.50	<0.50	<0.50	9.6	120	<1	<1	<1
GMW-6	04/13/11	BT for Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-6	10/10/11	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	1.8	220	<2	<2	<2
GMW-6	04/19/12	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.34 J	<10	<2	<2	<2
GMW-6	10/15/12	Parsons	----	----	<0.50	<0.50	0.17 J	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-6	04/10/13	Parsons	----	110 b	<0.50	<0.50	<0.50	<0.50	<0.50	0.44 J	<10	<2	<2	<2
GMW-6	10/08/13	Parsons	<100	250 HD	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	57	<2	<2	<2
GMW-6	04/15/14	Parsons	<100	<95	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-6	10/27/14	SGI	<100	140	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-6	04/28/15	SGI	<100	<100	1.2	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-6	04/28/15	SGI	<100	<100	0.89	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-6	10/22/15	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-6	04/12/16	SGI	<100	<100	0.89	<0.50	2.3	7.6	<0.50	<1.0	<10	<2.0	<2.0	<2.0
DUP-2 (GMW 6)	04/12/16	SGI	<100	<100	0.92	<0.50	2.2	7.2	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-6	10/07/16	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-6	04/18/17	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-6	10/03/17	SGI	<100	270	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
DUP-2 (GMW-6)	10/03/17	SGI	<100	250	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-6	04/17/18	SGI	<100	190	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-6	11/09/18	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-6	04/16/19	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-6	10/29/19	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-7	05/21/98	BBC	----	----	<0.50	<0.50	<0.50	<1	<0.50	<0.50	----	----	----	----
GMW-7	12/01/00	IT Corporation	520,000	----	4,800	970	620	12,000	----	<2500	----	----	----	----
GMW-7	04/30/15	SGI	610	28,000	8.1	<0.50	<0.50	<1.5	<0.50	<2.0	15	<2.0	<2.0	<2.0
GMW-7	10/11/16	SGI	560	2,000	7.5	<0.50	<0.50	<1.5	<0.50	1.4	47	<2.0	<2.0	<2.0
GMW-7	10/10/17	SGI	240	1,400	2.2	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-7	04/20/18	SGI	150	4,800 J	1.6	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-7	11/12/18	SGI	410	5,600	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-7	04/22/19	SGI	150	3,900	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-7	11/06/19	SGI	230	5,000	5.1	<1.0	<1.0	<3.0	<1.0	<2.4	27	<4.0	<4.0	<4.0
GMW-8	11/21/96	Terra Services	----	----	<0.50	<0.50	<0.50	<1.5	12	<5	----	----	----	----
GMW-8	07/11/97	Terra Services	<100	<500	<0.50	<0.50	<0.50	<1	1.7	<5	----	----	----	----
GMW-8	01/02/98	Terra Services	<100	<500	<0.50	<0.50	<0.50	<1.5	5.0	<5	----	----	----	----
GMW-8	05/26/98	Terra Services	----	----	<0.30	<0.30	<0.50	<1	<0.50	<0.50	----	----	----	----
GMW-8	11/06/98	Alton Geoscience	<300	----	<0.50	<0.50	<0.50	<0.50	8.6	0.90	----	----	----	----
GMW-8	05/05/99	Alton Geoscience	<500	<500	2.0	7.2	0.57	3.0	<1	<0.50	----	----	----	----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-8	05/07/99	Alton Geoscience	<500	<500	<0.50	1.7	<0.50	0.51	4.4	<0.50	----	----	----	----
GMW-8	11/16/99	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	4.6	<0.50	----	----	----	----
GMW-8	05/19/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	15	<0.50	----	----	----	----
GMW-8	11/29/00	Secor	<300	----	1.0	0.90	<0.50	1.5	10	2.9	----	----	----	----
GMW-8	05/09/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-8	11/07/01	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-8	04/11/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	2.5	2.4	----	----	----	----
GMW-8	10/24/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-8	04/10/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.62	----	----	----	----
GMW-8	10/08/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	0.52	<0.50	----	----	----	----
GMW-8	04/21/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-8	11/05/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-8	05/05/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-8	11/03/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-8	05/03/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.78	----	----	----	----
GMW-8	12/07/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	7.6	----	----	----	----
GMW-8	05/05/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	6.5	----	----	----	----
GMW-8	11/14/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-8	04/17/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-8	10/21/08	Stantec	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-8	04/22/09	Blaine Tech for AMEC	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-8	10/19/09	BT for Parsons	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	1.5	<10	<1	<1	<1
GMW-8	05/26/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-8	10/06/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-8	06/14/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	1.4	0.59	<10	<1	<1	<1
GMW-8	04/15/14	CHHL	<100	93	<0.50	<0.50	<0.50	<0.50	3.5	0.80	<10	<1	<1	<1
GMW-8	10/29/14	BT for CH2MHill	<100	65 HD	<0.50	<0.50	<0.50	<0.50	3.3	1.1	<10	<1.0	<1.0	<1.0
GMW-8	04/22/15	BT for CH2MHill	<50	60	<0.50	<0.50	<0.50	<0.50	3.3	1.7	<10	<1.0	<1.0	<1.0
GMW-8	10/22/15	BT for CH2MHill	<100	110 HD	<0.50	<0.50	<0.50	<0.50	4.6	1.5	<10	<1.0	<1.0	<1.0
GMW-8	04/15/16	BT for CH2MHill	<50	230	<0.50	<0.50	<0.50	<0.50	4.3	1.4	<10	<1.0	<1.0	<1.0
GMW-8	10/05/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	1.9	0.55	<10	<1.0	<1.0	<1.0
GMW-8	04/18/17	BT for CH2MHill	<50	170	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-8	10/05/17	BT for CH2MHill	<50	270	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-8	04/19/18	BT for Jacobs	<50	180	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-8	11/08/18	BT for Jacobs	<50	160	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-8	04/19/19	BT for Jacobs	<50	140	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-8	10/29/19	BT for Jacobs	<50	120	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-9	10/07/10	Blaine Tech	6,800	----	890	62	120	650	<10	56	1,600	44	<10	<10
GMW-9	04/13/11	Blaine Tech	54,000	----	20,000	290	970	3,800	<200	3,600	<2,000	<200	<200	<200
GMW-9	10/13/11	CH2M Hill	61,000	----	18,000	6,500	760	3,400	<200	2,100	<2,000	<200	<200	<200
GMW-9	10/06/16	BT for CH2MHill	67	140	4.6	<0.50	<0.50	<0.50	0.64	0.84	110	13	<1.0	<1.0
GMW-9	04/21/17	BT for CH2MHill	750	760	9.2	0.98	0.71	20	<1	1.9	18	5.5	<1.0	<1.0
GMW-9	10/05/17	BT for CH2MHill	<50	100	<0.50	<0.50	<0.50	<0.50	0.56	0.62	83	4.7	<1.0	<1.0
GMW-9	05/15/18	BT for Jacobs	<50	290	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	34	4.4	<1	<1
GMW-9	11/08/18	BT for Jacobs	<50	53	<0.50	<0.50	<0.50	<0.50	<0.50	0.52	40	3.1	<1.0	<1.0
GMW-9	04/23/19	BT for Jacobs	290	59	<0.50	<0.50	<0.50	2.1	<0.50	0.72	4,900	<1	<1	<1
DUPE (GMW-9)	04/23/19	BT for Jacobs	300	60	<0.50	<0.50	<0.50	2.2	<0.50	0.76	5,500	<1	<1	<1
GMW-9	11/01/19	BT for Jacobs	<50	340	<0.50	<0.50	<0.50	<0.50	<0.50	0.67	<10	<1.0	<1.0	<1.0
GMW-10	10/08/10	Blaine Tech	4,800	----	360	<2.5	87	14	<5	<2.5	120	<5	<5	<5
GMW-10	04/14/11	Blaine Tech	5,700	----	370	2.0	93	7.9	<3	<1.5	100	<3	<3	<3
GMW-10	10/14/11	CH2M Hill	3,700	----	580	3.3	75	7.8	<5	<2.5	590	<5	<5	<5
GMW-10	04/27/12	CH2M Hill	3,000	3,100	360	<2	15	3.2	<4	<2	79	<4	<4	<4

APPENDIX D
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 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-10	10/19/12	CHHL	10,000	7,500	1,300	380	270	1,400	<10	<5	<100	<10	<10	<10
GMW-10	04/12/13	CHHL	14,000	100,000	210	65	48	310	<20	<10	<200	<20	<20	<20
GMW-10	10/11/13	CHHL	13,000	9,500	1,100	800	350	1,900	<20	<10	<200	<20	<20	<20
GMW-10	10/28/15	BT for CH2Mhill	27,000	41,000 HD	1,100	2,400	730	3,800	<20	<10	<200	<20	<20	<20
GMW-11	11/21/96	Terra Services	-----	-----	<0.50	<0.50	<0.50	<1.5	<0.50	<5	-----	-----	-----	-----
GMW-11	07/10/97	Terra Services	220	2,500	<0.50	4.0	0.90	<0.50	<0.50	<5	-----	-----	-----	-----
GMW-11	01/07/98	Terra Services	4,000	220,000	<0.50	<0.50	<0.50	1.6	<0.50	<5	-----	-----	-----	-----
GMW-11	05/20/98	Terra Services	42,400	-----	<0.30	<0.30	<25	<50	<2.5	<0.50	-----	-----	-----	-----
GMW-11	11/17/98	Alton Geoscience	6,230	-----	<5	6.0	<5	11	<5	24	-----	-----	-----	-----
GMW-11	05/07/99	Alton Geoscience	1,900	1,900	0.61	2.1	<0.50	0.62	<1	<0.50	-----	-----	-----	-----
GMW-11	11/16/99	Secor	1,200	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-11	05/19/00	Secor	790	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-11	11/30/00	Secor	1,600	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-11	05/10/01	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-11	11/07/01	IT Corporation	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-11	04/11/02	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-11	04/15/16	SGI	<100	440	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
DUP-8 (GMW 11)	04/15/16	SGI	<100	480	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-12	11/27/96	GSI	99	<500	<0.50	<0.50	<0.50	<1	<0.50	<1	-----	-----	-----	-----
GMW-12	07/10/97	GTI	110	8,600	<5	<5	<5	<5	<5	<5	-----	-----	-----	-----
GMW-12	01/06/98	GTI	<500	1,000	<0.50	1.6	<0.50	<1	<0.50	<0.50	-----	-----	-----	-----
GMW-12	05/21/98	BBC	<300	-----	<0.30	<0.30	<0.50	<1	<0.50	<0.50	-----	-----	-----	-----
GMW-12	11/05/98	GTI	<300	-----	4.5	<0.50	3.0	1.7	<0.50	<0.50	-----	-----	-----	-----
GMW-12	05/27/99	GTI	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-12	11/18/99	IT Corporation	<300	-----	<0.50	<1	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-12	05/17/00	IT Corporation	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-12	11/30/00	IT Corporation	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-12	05/09/01	IT Corporation	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-12	11/07/01	IT Corporation	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-12	04/11/02	IT Corporation	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-12	10/23/02	GTI	<300	-----	<0.50	<1	<1	<1	<0.50	<1	-----	-----	-----	-----
GMW-12	04/10/03	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-12	04/14/03	GTI	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-12	10/10/03	BT for Parsons	<100	-----	<0.50	<0.50	0.56	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-12	04/21/04	BT for Parsons	<100	-----	<0.50	<0.50	<0.50	0.62	<0.50	<0.50	<10	<2	<2	<2
GMW-12	11/04/04	BT for Parsons	<100	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-12	05/06/05	BT for Parsons	<100	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-12	11/08/05	BT for Parsons	<100	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-12	05/04/06	BT for Parsons	<100	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-12	12/08/06	BT for Parsons	<100	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-12	05/04/07	BT for Parsons	<100	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-12	11/16/07	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-12	04/18/08	BT for Parsons	<100	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-12	10/16/08	BT for Parsons	<100	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-12	04/23/09	BT for Parsons	<100	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-12	10/20/09	Blaine Tech for DESC	<100	-----	<0.50	<0.50	<0.50	<0.50	<0.50	0.49 J	<10	<2	<2	<2
GMW-12	04/15/10	Blaine Tech for DESC	-----	-----	<0.50	<0.50	<0.50	<0.50	-----	<0.50	<10	<2	<2	<2
GMW-12	10/08/10	BT for Parsons	-----	-----	<0.50	-----	-----	-----	<0.50	<0.50	3.6 J	-----	-----	-----
GMW-12	04/11/11	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-12	10/10/11	Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-12	04/16/12	Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-12	10/15/12	Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-12	04/09/13	Parsons	-----	650 b	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-12	10/08/13	Parsons	<100	700 HD	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-12	04/16/14	Parsons	<100	1,200 HD	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-12	10/29/14	SGI	<100	1,100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-12	04/28/15	SGI	<100	960	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-12	04/28/15	SGI	<100	930	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-12	10/10/16	SGI	<100	1,400	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-12	04/21/17	SGI	<100	150	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
DUP-8 (GMW-12)	04/21/17	SGI	<100	150	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-12	10/04/17	SGI	<100	1,100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-12	04/23/18	SGI	<100	1,000	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-12	11/12/18	SGI	<100	1,100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-12	04/19/19	SGI	<100	780	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
DUPE (GMW-12)	04/19/19	SGI	<100	750	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-12	10/30/19	SGI	<100	600	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
DUP-3 (GMW-12)	10/31/19	SGI	<100	740	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-13	11/21/96	Terra Services	-----	-----	3.2	<0.50	0.73	1.2	<0.50	<5	-----	-----	-----	-----
GMW-13	07/10/97	Terra Services	1,300	5,600	1.6	3.5	0.93	2.4	<0.50	<5	-----	-----	-----	-----
GMW-13	01/08/98	Terra Services	<100	<500	1.9	1.6	<0.50	<1.5	<0.50	<5	-----	-----	-----	-----
GMW-13	05/20/98	Terra Services	<300	-----	<0.30	<0.30	<25	0.80	<2.5	<0.50	-----	-----	-----	-----
GMW-13	11/12/98	Alton Geoscience	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-13	05/07/99	Alton Geoscience	<500	<500	<0.50	<0.50	<0.50	<0.50	<1	<0.50	-----	-----	-----	-----
GMW-13	11/17/99	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-13	05/17/00	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-13	11/30/00	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-13	05/10/01	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	2.6	-----	-----	-----	-----
GMW-13	11/06/01	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-13	02/01/02	Secor	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-13	04/10/02	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-13	10/22/02	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<1	-----	-----	-----	-----
GMW-13	04/09/03	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	3.1	-----	-----	-----	-----
GMW-13	10/06/03	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-13	04/20/04	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-13	11/02/04	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-13	05/04/05	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-13	11/01/05	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-13	05/02/06	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-13	12/05/06	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-13	05/04/07	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-13	11/14/07	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-13	04/16/08	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-13	10/17/08	Stantec	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-13	04/23/09	Blaine Tech for AMEC	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-13	10/19/09	BT for Parsons	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-13	10/23/09	Blaine Tech for DESC	<100	-----	<0.50	<0.50	<0.50	<0.50	23	9.5	<10	3.8	<2	<2
GMW-13	05/26/10	Blaine Tech	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-13	10/06/10	Blaine Tech	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-13	04/12/11	Blaine Tech	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-13	04/13/11	BT for Parsons	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GMW-13	10/11/11	CH2M Hill	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-13	04/18/12	CH2M Hill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-13	10/16/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1

APPENDIX D
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 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-13	04/09/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-13	10/09/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-13	04/15/14	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-13	10/29/14	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-13	04/21/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-13	10/21/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-13	04/13/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-13	10/04/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-13	04/18/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-13	10/04/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-13	04/18/18	BT for Jacobs	<50	88	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-13	11/08/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-13	04/18/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-13	10/30/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-14	05/07/99	Alton Geoscience	<500	<500	<0.50	<0.50	<0.50	<0.50	<1	<0.50	----	----	----	----
GMW-14	11/17/99	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-14	05/16/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-14	11/30/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-14	05/09/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-14	11/06/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-14	04/10/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-14	10/07/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-14	04/22/04	Secor	59	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-14	11/02/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-14	05/06/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-14	11/01/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-14	03/08/06	BT for Parsons	520	----	2.6	<0.50	<0.50	<0.50	0.64	4.0	21	<2	<2	<2
GMW-14	05/02/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-14	12/07/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-14	05/04/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-14	11/14/07	Secor	1,500	----	<2.5	<2.5	34	3.0	<5	<2.5	----	----	----	----
GMW-14	04/16/08	Secor	440	----	<0.50	<0.50	<0.50	<0.50	<1	<0.50	----	----	----	----
GMW-14	07/29/08	BT for Parsons	210	----	<0.50	<0.50	<0.50	<0.50	<0.50	2.2	18	<2	<2	<2
GMW-14	10/17/08	Stantec	210	----	<0.50	<0.50	<0.50	<0.50	<1	<0.50	----	----	----	----
GMW-14	04/23/09	Blaine Tech for AMEC	120	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-14	10/22/09	BT for Parsons	130	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	10	<1	<1	<1
GMW-14	04/16/10	BT for Parsons	----	----	160	<0.50	2.6	3.0	<0.50	13	15	<2	<2	0.79 J
GMW-14	10/07/10	Blaine Tech	160	----	<0.50	<0.50	<0.50	<0.50	<1	<0.50	<10	<1	<1	<1
GMW-14	04/13/11	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<1	<0.50	<10	<1	<1	<1
GMW-14	10/12/11	CH2M Hill	58	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-14	04/19/12	CH2M Hill	<50	130	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-14	10/17/12	CHHL	<50	150	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-14	04/11/13	CHHL	<50	110	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-14	10/10/13	CHHL	<50	110	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-14	04/16/14	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.64	16	<1	<1	<1
GMW-14	10/30/14	BT for CH2MHill	<100	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.83	17	<1.0	<1.0	<1.0
GMW-14R	04/18/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.68	<10	<1.0	<1.0	<1.0
GMW-14R	10/05/17	BT for CH2MHill	<50	71	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-14R	04/19/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.76	<10	<1	<1	<1
GMW-14R	11/08/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-14R	04/18/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-14R	10/30/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-15	05/20/98	BBC	1,300	----	3.9	<0.30	7.4	6.4	----	----	----	----	----	----
GMW-15	11/05/98	GTI	512	----	1.8	<0.30	3.7	1.0	----	----	----	----	----	----
GMW-15	05/27/99	GTI	634	----	2.5	<0.30	5.3	2.0	----	----	----	----	----	----
GMW-15	11/18/99	IT Corporation	<300	----	<0.30	<0.30	<0.30	<0.60	----	----	----	----	----	----
GMW-15	05/16/00	IT Corporation	610	----	<0.30	<0.30	<0.30	<0.60	----	----	----	----	----	----
GMW-15	12/01/00	IT Corporation	450	----	<0.30	<0.30	<0.30	<0.60	----	<5	----	----	----	----
GMW-15	05/10/01	IT Corporation	<300	----	<0.30	<0.30	<0.30	<0.60	----	<5	----	----	----	----
GMW-15	11/07/01	IT Corporation	<300	----	<0.30	<0.30	<0.30	<0.60	----	<5	----	----	----	----
GMW-15	04/10/02	IT Corporation	1,900	----	1.2	<0.30	1.6	3.8	----	<5	----	----	----	----
GMW-15	10/23/02	GTI	840	----	0.58	<0.30	0.72	1.5	----	<5	----	----	----	----
GMW-15	04/10/03	GTI	----	----	<1	<1	<1	<2	----	<3	----	----	----	----
GMW-15	10/08/03	BT for Parsons	----	----	<0.30	<0.30	<0.30	<0.30	----	<5	----	----	----	----
GMW-15	04/22/04	BT for Parsons	----	----	0.70	<0.30	<0.30	0.47	----	<5	----	----	----	----
GMW-15	11/06/04	BT for Parsons	----	----	<0.30	<0.30	<0.30	<0.30	----	<5	----	----	----	----
GMW-15	05/06/05	BT for Parsons	----	----	<0.30	0.47	<0.30	<0.30	----	<5	----	----	----	----
GMW-15	11/08/05	BT for Parsons	----	----	<0.30	0.31	<0.30	<0.30	----	<5	----	----	----	----
GMW-15	05/03/06	BT for Parsons	----	----	<0.30	<0.30	<0.30	<0.30	----	<5	----	----	----	----
GMW-15	12/08/06	BT for Parsons	----	----	<0.50	<0.50	<0.50	<1	----	<5	----	----	----	----
GMW-15	05/02/07	BT for Parsons	----	----	<0.50	<0.50	<0.50	1.2	----	<5	----	----	----	----
GMW-15	05/02/07	BT for Parsons	----	----	<0.50	<0.50	<0.50	<1	----	<5	----	----	----	----
GMW-15	11/14/07	BT for Parsons	----	----	<0.50	<0.50	<0.50	<1	----	<5	----	----	----	----
GMW-15	04/16/08	BT for Parsons	----	----	<0.50	<0.50	<0.50	<1	----	<5	----	----	----	----
GMW-15	10/15/08	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-15	04/21/09	BT for Parsons	180	----	<0.50	<0.50	<0.50	<0.50	----	5.4	----	----	----	----
GMW-15	10/20/09	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	3.1	4.5 J	<2	<2	<2
GMW-15	04/15/10	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	----	5.7	<10	<2	<2	<2
GMW-15	10/05/10	BT for Parsons	----	----	<0.50	----	----	----	<0.50	<0.50	<10	----	----	----
GMW-15	04/14/11	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-15	10/10/11	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-15	04/19/12	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-15	10/15/12	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	12	<10	<2	<2	<2
GMW-15	04/10/13	Parsons	----	6200 b	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<10	<2	<2	<2
GMW-15	10/08/13	Parsons	350 HD	4,600 HD	<0.50	<0.50	0.19 J	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-15	04/16/14	Parsons	250 HD	2,700 HD	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-15	10/30/14	SGI	<100	1,900	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-15	04/28/15	SGI	<100	1,500	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-15	10/23/15	SGI	<100	1,300	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-15	04/14/16	SGI	<100	3,700	0.56	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-15	10/10/16	SGI	<100	2,400	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-15	04/21/17	SGI	<100	1,600	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-15	10/05/17	SGI	<100	2,000	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-15	04/20/18	SGI	<100	3,400	0.97	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-15	11/12/18	SGI	<100	4,200	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-15	04/19/19	SGI	<100	2,200	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-15	11/06/19	SGI	<100	1,800	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-16	11/21/96	GSI	<38	<500	<0.50	<0.50	0.80	<1.5	<0.50	----	----	----	----	----
GMW-16	07/09/97	GTI	<50	110	5.7	<5	9.2	7.5	<5	<5	----	----	----	----
GMW-16	01/06/98	GTI	<500	<100	<0.50	<0.50	<0.50	<1	<0.50	<0.50	----	----	----	----
GMW-16	05/20/98	BBC	<300	----	<0.30	<0.30	<0.30	<0.60	----	----	----	----	----	----
GMW-16	11/04/98	GTI	<300	----	<0.30	<0.30	<0.30	<0.60	----	----	----	----	----	----
GMW-16	05/27/99	GTI	<300	----	<0.30	<0.30	<0.30	<0.60	----	----	----	----	----	----
GMW-16	11/18/99	IT Corporation	<300	----	<0.30	<0.30	<0.30	<0.60	----	----	----	----	----	----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-16	05/16/00	IT Corporation	<300	----	<0.30	<0.30	<0.30	<0.60	----	----	----	----	----	----
GMW-16	11/29/00	IT Corporation	<300	----	0.64	1.2	0.85	3.2	----	<5	----	----	----	----
GMW-16	05/10/01	IT Corporation	<300	----	<0.30	<0.30	<0.30	<0.60	----	<5	----	----	----	----
GMW-16	11/07/01	IT Corporation	<300	----	<0.30	<0.30	<0.30	<0.60	----	9.1	----	----	----	----
GMW-16	04/10/02	IT Corporation	<300	----	<0.30	<0.30	<0.30	<0.60	----	<5	----	----	----	----
GMW-16	10/23/02	GTI	<300	----	<0.30	<0.30	<0.30	<0.30	----	<5	----	----	----	----
GMW-16	04/11/03	GTI	----	----	<1	<1	<1	<2	----	<3	----	----	----	----
GMW-16	10/08/03	BT for Parsons	----	----	<0.30	<0.30	<0.30	<0.30	----	<5	----	----	----	----
GMW-16	04/22/04	BT for Parsons	----	----	<0.30	<0.30	<0.30	<0.30	----	<5	----	----	----	----
GMW-16	11/06/04	BT for Parsons	----	----	<0.30	<0.30	<0.30	0.59	----	<5	----	----	----	----
GMW-16	05/06/05	BT for Parsons	----	----	<0.30	0.58	<0.30	<0.30	----	<5	----	----	----	----
GMW-16	11/08/05	BT for Parsons	----	----	<0.30	0.48	<0.30	<0.30	----	<5	----	----	----	----
GMW-16	05/03/06	BT for Parsons	----	----	<0.30	<0.30	<0.30	<0.30	----	<5	----	----	----	----
GMW-16	12/06/06	BT for Parsons	----	----	<0.50	<0.50	<0.50	<1	----	<5	----	----	----	----
GMW-16	05/02/07	BT for Parsons	----	----	<0.50	<0.50	<0.50	<1	----	<5	----	----	----	----
GMW-16	11/14/07	BT for Parsons	----	----	<0.50	<0.50	<0.50	<1	----	<5	----	----	----	----
GMW-16	04/16/08	BT for Parsons	----	----	<0.50	<0.50	<0.50	<1	----	<5	----	----	----	----
GMW-16	10/15/08	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-16	04/21/09	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	----	<0.50	----	----	----	----
GMW-16	10/20/09	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-16	04/12/10	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	----	<0.50	<10	<2	<2	<2
GMW-16	10/05/10	BT for Parsons	----	----	<0.50	----	----	----	<0.50	<0.50	<10	----	----	----
GMW-16	10/10/11	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-16	04/18/12	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-16	10/15/12	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-16	04/10/13	Parsons	----	190 b	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-16	10/08/13	Parsons	<100	250 HD	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-16	04/14/14	Parsons	<100	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-16	10/27/14	SGI	<100	190	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-16	04/24/15	SGI	<100	180	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-16	04/19/17	SGI	<100	660	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
DUP-4 (GMW-16)	04/19/17	SGI	<100	210	<0.50	<0.50	<0.50	<1.5	<0.50	1.0	<10	<2.0	<2.0	<2.0
GMW-16	10/05/17	SGI	<100	370	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-16	04/18/18	SGI	<100	290	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-16	11/09/18	SGI	<100	170	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-16	04/18/19	SGI	<100	360	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-16	11/05/19	SGI	<100	210	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-17	05/10/01	IT Corporation	6,800	----	52	25	<15	330	----	<250	----	----	----	----
GMW-17	10/24/02	GTI	49,000	----	91	<30	<30	160	----	<500	----	----	----	----
GMW-17	04/14/03	GTI	----	----	572	5.6	75	367	----	<15	----	----	----	----
GMW-17	10/10/03	BT for Parsons	----	----	240	1.5	9.5	41	----	<10	----	----	----	----
GMW-17	04/22/04	BT for Parsons	----	----	540	4.6	24	190	----	63	----	----	----	----
GMW-17	11/06/04	BT for Parsons	----	----	110	<0.30	2.1	6.1	----	19	----	----	----	----
GMW-17	05/10/05	BT for Parsons	----	----	7.9	3.6	<1.5	2.6	----	<25	----	----	----	----
GMW-17	11/08/05	BT for Parsons	----	----	3.7	<0.30	0.37	1.9	----	7.0	----	----	----	----
GMW-17	05/05/06	BT for Parsons	----	----	3.7	2.2	1.6	4.5	----	<5	----	----	----	----
GMW-17	12/08/06	BT for Parsons	----	----	34	<0.50	1.9	30	----	<5	----	----	----	----
GMW-17	05/03/07	BT for Parsons	----	----	9.1	<0.50	0.92	9.0	----	7.7	----	----	----	----
GMW-17	11/14/07	BT for Parsons	----	----	4.8	<0.50	<0.50	<1	----	<5	----	----	----	----
GMW-17	04/18/08	BT for Parsons	----	----	5.3	<0.50	0.62	1.4	----	<5	----	----	----	----
GMW-17	10/17/08	BT for Parsons	----	----	2.6	<0.50	0.57	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-17	04/22/09	BT for Parsons	450	----	27	<0.50	2.4	<0.50	----	<0.50	----	<0.50	<0.50	<0.50

APPENDIX D
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 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-17	10/20/09	BT for Parsons	-----	-----	0.42 J	<0.50	<0.50	<0.50	<0.50	<0.50	9.5 J	<2	<2	<2
GMW-17	04/14/10	BT for Parsons	1,200	-----	59	0.34 J	5.5	2.0	-----	<0.50	<10	<2	<2	<2
GMW-17	10/05/10	BT for Parsons	1,200	-----	79	-----	-----	-----	<0.50	<0.50	5.2 J	-----	-----	-----
GMW-17	04/15/11	BT for Parsons	750	-----	13	0.55	4.6	0.82	<0.50	<0.50	<10	<2	<2	<2
GMW-17	10/10/11	Parsons	<1,100	-----	50	<0.77	28	6.5	<0.50	<0.50	<10	<2	<2	<2
GMW-17	04/20/12	Parsons	610	-----	1.2	<0.50	0.18 J	0.71 J	<0.50	<0.50	<2	<2	<2	<2
GMW-17	04/12/13	Parsons	1,000 b	6,700	55	1.1	1.2	14	<0.50	<0.50	31	<2	<2	<2
GMW-17	10/09/13	Parsons	680 HD	4,200 HD	16	1.2	1.7	12	<0.50	0.48 J	30	<2	<2	<2
GMW-17	04/18/14	Parsons	1,400 HD	5,700 HD	38	1.9	2.3	21	<0.50	0.42 J	48	<2	<2	<2
GMW-17	10/31/14	SGI	510	2,300	10	1.5	<0.50	2.7	<0.50	<2.0	30	<2.0	<2.0	<2.0
GMW-17	10/31/14	SGI	460	2,200	11	1.5	<0.50	2.7	<0.50	<2.0	17	<2.0	<2.0	<2.0
GMW-17R	10/09/17	SGI	640	1,200	64	<0.50	5.0	2.9	<0.50	2.5	19	<2.0	<2.0	<2.0
GMW-17R	04/20/18	SGI	550	1,600 J	63	0.69	0.78	19.4	<0.50	3.7	<10	<2.0	<2.0	<2.0
GMW-17R	11/12/18	SGI	1,300	1,600	46	<0.50	1.4	41	<0.50	2.6	<10	<2.0	<2.0	<2.0
GMW-17R	04/19/19	SGI	<100	<100	<0.50	<0.50	2.7	15	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-17R	10/31/19	SGI	<100	<100	1.3	<0.50	4.7	18.2	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-18	04/14/03	GTI	-----	-----	3,410	3,510	3,070	17,800	-----	<150	-----	-----	-----	-----
GMW-18	10/08/03	BT for Parsons	-----	-----	2,600	120	360	3,100	-----	<1,000	-----	-----	-----	-----
GMW-18	04/21/04	BT for Parsons	-----	-----	2,700	<50	380	4,288	-----	<50	-----	-----	-----	-----
GMW-18	11/04/04	BT for Parsons	-----	-----	1,300	<3	220	2,400	-----	<50	-----	-----	-----	-----
GMW-18	05/06/05	BT for Parsons	-----	-----	1,100	22	140	1,200	-----	<50	-----	-----	-----	-----
GMW-18	11/08/05	BT for Parsons	-----	-----	650	11	17	470	-----	<100	-----	-----	-----	-----
GMW-18	05/04/06	BT for Parsons	-----	-----	200	1.9	15	100	-----	6.9	-----	-----	-----	-----
GMW-18	12/08/06	BT for Parsons	-----	-----	320	<0.50	25	190	-----	11	-----	-----	-----	-----
GMW-18	05/03/07	BT for Parsons	-----	-----	200	<2.5	13	56	-----	<25	-----	-----	-----	-----
GMW-18	11/15/07	BT for Parsons	-----	-----	160	<0.50	4.1	26	-----	5.5	-----	-----	-----	-----
GMW-18	04/17/08	BT for Parsons	-----	-----	180	0.87	13	100	-----	6.7	-----	-----	-----	-----
GMW-18	10/16/08	BT for Parsons	-----	-----	33	<0.50	2.2	11	<0.50	4.7	12	<2	<2	<2
GMW-18	04/23/09	BT for Parsons	880	-----	60	<0.50	1.4	5.0	<0.50	3.0	13	<2	<2	<2
GMW-18	10/20/09	BT for Parsons	-----	-----	15	<0.50	0.55	5.6	<0.50	7.0	13	<2	<2	<2
GMW-18	04/16/10	BT for Parsons	1,500	-----	80	0.84	0.49 J	1.6	-----	7.3	43	<2	<2	<2
GMW-18	04/20/12	Parsons	2,100	-----	67	0.4 J	1.1	5.9	1.7	3.5	57	<2	<2	<2
GMW-18	07/10/12	Parsons	-----	-----	94	0.42 J	0.94	3.9	<0.50	3.9	27	<2	<2	<2
GMW-18	11/03/14	SGI	15,000	230,000	110	0.93	120	338	<0.50	4.2	<10	<2.0	<2.0	<2.0
GMW-18	11/03/14	SGI	37,000	220,000	220	<50	120	440	<50	<200	<1,000	<200	<200	<200
GMW-18	04/21/15	SGI	4,300	300,000	290	<5.0	75	270	<5.0	<20	<100	<20	<20	<20
GMW-18	05/10/19	SGI	<100	1,200	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-19	11/27/96	GSI	3,000	<500	85	<2.5	23	<5	-----	-----	-----	-----	-----	-----
GMW-19	07/10/97	GTI	<50	<50	2.5	<1	<1	<2	-----	-----	-----	-----	-----	-----
GMW-19	01/07/98	GTI	<500	<100	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-19	05/21/98	BBC	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-19	11/06/98	GTI	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-19	05/27/99	GTI	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-19	11/18/99	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-19	05/17/00	IT Corporation	<300	-----	0.47	0.45	<0.30	0.95	-----	-----	-----	-----	-----	-----
GMW-19	12/01/00	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-19	05/09/01	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-19	11/08/01	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-19	04/11/02	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-19	10/23/02	GTI	<300	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-19	04/14/03	GTI	-----	-----	<1	<1	<1	<2	-----	<3	-----	-----	-----	-----
GMW-19	10/10/03	BT for Parsons	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	15	-----	-----	-----	-----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-19	04/21/04	BT for Parsons	----	----	<0.50	<1	<1	<1	----	28	----	----	----	----
GMW-19	11/04/04	BT for Parsons	----	----	<0.30	<0.30	<0.30	<0.30	----	<5	----	----	----	----
GMW-19	05/06/05	BT for Parsons	----	----	<0.30	<0.30	<0.30	0.69	----	<5	----	----	----	----
GMW-19	11/08/05	BT for Parsons	----	----	0.52	0.71	0.40	2.0	----	<5	----	----	----	----
GMW-19	05/04/06	BT for Parsons	----	----	<0.30	<0.30	<0.30	<0.30	----	<5	----	----	----	----
GMW-19	12/08/06	BT for Parsons	----	----	<0.50	<0.50	<0.50	<1	----	<5	----	----	----	----
GMW-19	05/03/07	BT for Parsons	----	----	<0.50	<0.50	<0.50	<1	----	<5	----	----	----	----
GMW-19	11/15/07	BT for Parsons	----	----	0.50	<0.50	<0.50	<1	----	<5	----	----	----	----
GMW-19	04/17/08	BT for Parsons	----	----	<0.50	<0.50	<0.50	<1	----	<5	----	----	----	----
GMW-19	10/16/08	BT for Parsons	----	----	0.60	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-19	04/23/09	BT for Parsons	----	----	0.70	<0.50	<0.50	<0.50	----	0.67	----	<0.50	<0.50	<0.50
GMW-19	10/20/09	BT for Parsons	----	----	3.8	<0.50	<0.50	<0.50	<0.50	1.5	<10	<2	<2	<2
GMW-19	04/16/10	BT for Parsons	----	----	130	<0.50	0.66	<0.50	----	21	12	<2	<2	0.52 J
GMW-19	10/08/10	BT for Parsons	----	----	2.4	----	----	----	<0.50	2.7	<10	----	----	----
GMW-19	10/10/11	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-19	04/18/12	Parsons	----	----	3.8	<0.50	<0.50	<0.50	<0.50	0.88	<10	<2	<2	<2
GMW-19	10/15/12	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<10	<2	<2	<2
GMW-19	04/10/13	Parsons	----	1200 b	35	0.38 J	<0.50	0.35 J	<0.50	58	22	<2	<2	<2
GMW-19	10/07/13	Parsons	<100	<100	0.81	<0.50	<0.50	<0.50	<0.50	2.3	<10	<2	<2	<2
GMW-19	04/14/14	Parsons	<100	<100	2.8	<0.50	<0.50	<0.50	<0.50	0.83	<10	<2	<2	<2
GMW-19	10/28/14	SGI	<100	130	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-19	10/28/14	SGI	<100	120	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-19	04/28/15	SGI	490	1,000	90	<0.50	0.50	0.55	<0.50	20	12	<2.0	<2.0	<2.0
GMW-19	10/23/15	SGI	<100	390	9.2	<0.50	<0.50	<0.50	<1.5	<0.50	<10	<2.0	<2.0	<2.0
GMW-19	04/21/17	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-19	10/03/17	SGI	<100	210	<0.50	<0.50	<0.50	<1.5	<0.50	1.5	<10	<2.0	<2.0	<2.0
GMW-19	04/18/18	SGI	<100	160	2.2	<0.50	<0.50	<0.50	<1.5	<0.50	<10	<2.0	<2.0	<2.0
GMW-19	11/06/18	SGI	220	180	58	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
DUPE-2 (GMW-19)	11/06/18	SGI	220	130	45	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-19	04/22/19	SGI	160	200	95	<0.50	<0.50	<1.5	<0.50	2.5	<10	<2.0	<2.0	<2.0
DUPE (GMW-19)	04/22/19	SGI	170	190	94	<0.50	<0.50	<1.5	<0.50	2.5	<10	<2.0	<2.0	<2.0
GMW-19	11/06/19	SGI	<100	<100	1.5	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-20	11/27/96	GSI	1,100	<500	<2.5	<2.5	<2.5	<5	<2.5	----	----	----	----	----
GMW-20	07/10/97	GTI	160	1,400	<5	<5	<5	<5	<5	----	----	----	----	----
GMW-20	01/06/98	GTI	<500	1,100	<0.50	<0.50	<0.50	<1	<0.50	<0.50	----	----	----	----
GMW-20	05/21/98	BBC	400	----	<0.30	<0.50	<0.50	<0.10	<0.50	<0.50	----	----	----	----
GMW-20	11/05/98	GTI	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-20	05/27/99	GTI	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-20	11/18/99	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-20	05/17/00	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-20	11/30/00	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	----	----	----	----
GMW-20	05/09/01	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-20	11/07/01	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-20	04/11/02	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-20	04/24/15	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-20	10/20/15	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-20	10/05/16	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-20	04/18/17	SGI	<100	<100	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2.0
DUP-1 (GMW-20)	04/18/17	SGI	<100	<100	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2.0
GMW-21	11/03/14	SGI	1,500	2,500	11	1.6	31	165	<0.50	3.8	24	<2.0	<2.0	<2
GMW-21	04/29/15	SGI	300	2,200	1.1	<0.50	<0.50	<1.5	<0.50	2.7	24	<2.0	<2.0	<2
GMW-21	04/29/15	SGI	300	2,100	1.1	<0.50	<0.50	<1.5	<0.50	3.1	29	<2.0	<2.0	<2.0

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 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-21	04/14/16	SGI	170	1,300	<0.50	<0.50	<0.50	<1.5	<0.50	2.8	<10	<2.0	<2.0	<2.0
GMW-21	10/10/16	SGI	130	2,500	<0.50	<0.50	<0.50	<1.5	<0.50	1.5	<10	<2.0	<2.0	<2.0
GMW-21	04/21/17	SGI	180	3,300	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-21	04/23/18	SGI	<100	3,700	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	39	<2.0	<2.0	<2.0
GMW-21	11/12/18	SGI	<100	4,200	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	11	<2.0	<2.0	<2.0
DUPE-6 (GMW-21)	11/12/18	SGI	<100	4,000	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	10	<2.0	<2.0	<2.0
GMW-21	04/19/19	SGI	<100	3,000	<0.50	<0.50	<0.50	<1.5	<0.50	1.5	<10	<2.0	<2.0	<2.0
GMW-21	11/06/19	SGI	<100	4,600	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	21	<2.0	<2.0	<2.0
GMW-22	10/04/10	Blaine Tech	4,100	-----	1,900	<10	55	38	<20	47	1,300	50	<20	<200
GMW-22	10/14/11	CH2M Hill	28,000	-----	13,000	<100	470	200	<200	130	<2,000	<200	<200	<2
GMW-22	04/20/12	CH2M Hill	46,000	1,300	20,000	<100	650	130	<200	140	<2,000	<200	<200	<200
GMW-22	10/18/12	CHHL	32,000	1,300	16,000	120	420	140	<200	180	<2,000	<200	<200	<200
GMW-23	11/08/05	BT for Parsons	-----	-----	<0.30	0.40	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-23	10/31/14	BT for CH2MHill	34,000	53,000	11,000	690	260	2,100	<100	<50	<1,000	<100	<100	<100
GMW-23	04/23/15	BT for CH2MHill	37,000	240,000	2,100	870	490	5,600	<15	360	46	<30	<30	<30
GMW-23	10/06/16	BT for CH2MHill	130	6,100	2.9	<0.50	<0.50	<0.50	<0.50	<0.50	14	4.8	<1.0	<1.0
GMW-23	10/06/17	BT for CH2MHill	230	17,000	<0.50	<0.50	1.3	1.4	<0.50	<0.50	48	9.6	<1.0	<200
GMW-23	04/18/19	BT for Jacobs	3,100	40,000	<1	<1	9.4	27	<2	<1	770	46	<2	<2
GMW-23	11/01/19	BT for Jacobs	130	47,000	<0.50	<0.50	<0.50	<0.50	<0.50	0.64	320	32	<1.0	<1.0
GMW-24	04/29/11	Blaine Tech	70,000	-----	19,000	830	1,700	4,200	<200	530	<2,000	<200	<200	<200
GMW-24	10/13/11	CH2M Hill	58,000	-----	23,000	2,400	890	2,600	<200	490	<2,000	<200	<200	<1.0
GMW-25	10/08/10	Blaine Tech	15,000	-----	6,900	<50	70	<50	<100	92	<1,000	<100	<100	<100
GMW-25	04/14/11	Blaine Tech	12,000	-----	6,800	<25	<25	<25	<50	36	<500	<50	<50	<50
GMW-25	10/13/11	CH2M Hill	<20,000	-----	9,700	<100	220	<100	<200	<100	<2,000	<200	<200	<200
GMW-25	10/06/16	BT for CH2MHill	70	780	<0.50	<0.50	<0.50	1.1	0.88	0.50	18	1.2	<1.0	<1.0
GMW-25	04/20/17	BT for CH2MHill	<500	3,700	<2.5	<2.5	<2.5	<2.5	<5	<2.5	<50	<5	<5	<5
GMW-25	10/05/17	BT for CH2MHill	400	11,000	<0.50	<0.50	<0.50	<0.50	1.0	0.64	23	1.5	<1.0	<1.0
GMW-25	04/19/18	BT for Jacobs	950	14,000	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	11	<1	<1	<1
GMW-25	11/09/18	BT for Jacobs	81	4,300	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	<10	<1.0	<1.0	<1.0
GMW-25	04/19/19	BT for Jacobs	170	4,100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-25	11/01/19	BT for Jacobs	98	2,600	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-26	11/27/96	Terra Services	-----	-----	46	2.7	18	8.8	110	950	-----	-----	-----	-----
GMW-26	07/10/97	Terra Services	430	<500	100	2.1	6.9	5.9	67	760	-----	-----	-----	-----
GMW-26	01/08/98	Terra Services	200	<500	23	11	5.0	<15	64	1,200	-----	-----	-----	-----
GMW-26	05/22/98	Terra Services	500	-----	<0.30	<0.50	<0.50	<0.10	260	460	-----	-----	-----	-----
GMW-26	11/17/98	Alton Geoscience	1,810	-----	310	<5	8.0	<5	<5	3,460	-----	-----	-----	-----
GMW-26	05/07/99	Alton Geoscience	2,300	<500	490	26	70	140	<5	6,100	-----	-----	-----	-----
GMW-26	11/19/99	Secor	6,700	-----	3,700	160	42	530	<25	8,500	-----	-----	-----	-----
GMW-26	05/16/00	Secor	2,000	-----	1.9	<0.50	<0.50	<0.50	0.80	82	-----	-----	-----	-----
GMW-26	11/30/00	Secor	780	-----	<0.50	<0.50	<0.50	<0.50	3.1	17	-----	-----	-----	-----
GMW-26	05/08/01	Secor	300	-----	<0.50	<0.50	<0.50	<0.50	13	390	-----	-----	-----	-----
GMW-26	11/06/01	Secor	<300	-----	0.70	<0.50	<0.50	<0.50	75	130	-----	-----	-----	-----
GMW-26	04/09/02	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	57	130	-----	-----	-----	-----
GMW-26	07/07/03	Geomatrix	-----	-----	<0.50	<1	<1	<1	1.2	61	-----	-----	-----	-----
GMW-26	04/27/04	Geomatrix	63	-----	<0.50	<0.50	<0.50	<0.50	16	59	-----	-----	-----	-----
GMW-26	07/08/04	Geomatrix	62	-----	<0.50	<0.50	<0.50	<0.50	17	27	-----	-----	-----	-----
GMW-26	04/23/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	1.1	<0.50	<10	1.3	<1.0	<1.0
GMW-26	10/26/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	0.80	<0.50	<10	<1.0	<1.0	<1.0
GMW-26	04/14/16	BT for CH2MHill	<50	76	<0.50	<0.50	<0.50	<0.50	1.1	0.72	<10	1.4	<1.0	<1.0
GMW-26	10/06/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	2.3	0.64	<10	2.0	<1.0	<1.0
GMW-26	04/18/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	0.66	<0.50	<10	<1.0	<1.0	<1.0
GMW-26	10/05/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	1.4	<0.50	12	2.6	<1.0	<1.0

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-26	04/18/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	2.2	<1	<1
GMW-26	11/08/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-26	04/18/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.5	28	7.4	<1	<1
GMW-26	11/01/19	BT for Jacobs	<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	Terra Services	2,800	----	940	6.0	4.0	11	76	1,570	----	----	----	----
GMW-27	11/17/98	Alton Geoscience	4,220	----	3,200	<50	<50	<50	<50	530	----	----	----	----
GMW-27	05/07/99	Alton Geoscience	6,300	<500	3,600	16	11	<10	<25	720	----	----	----	----
GMW-27	11/18/99	Secor	3,300	----	1,100	<25	<25	<25	<25	1,000	----	----	----	----
GMW-27	05/16/00	Secor	5,500	----	2,600	<25	25	34	<25	1,800	----	----	----	----
GMW-27	11/30/00	Secor	4,900	----	2,100	<25	<25	<25	<25	1,600	----	----	----	----
GMW-27	05/08/01	Secor	5,300	----	2,600	<25	<25	<25	<25	2,200	----	----	----	----
GMW-27	11/06/01	Secor	4,100	----	1,600	6.4	6.7	28	<0.50	1,900	----	----	----	----
GMW-27	04/09/02	Secor	4,900	----	2,300	<10	15	<10	<10	1,800	----	----	----	----
GMW-27	10/23/02	Secor	590	----	1,800	13	<10	13	<10	1,400	----	----	----	----
GMW-27	04/08/03	Secor	4,600	----	2,700	<15	<15	17	<30	2,000	----	----	----	----
GMW-27	10/07/03	Secor	10,000	----	4,400	<20	47	120	<40	1,800	----	----	----	----
GMW-27	01/27/04	Secor	8,100	----	3,600	19	29	115	<30	1,500	----	----	----	----
GMW-27	04/21/04	Secor	13,000	----	6,200	<25	51	<25	<50	2,500	----	----	----	----
GMW-27	07/08/04	Geomatrix	1,900	----	260	<2.5	<2.5	<2.5	<5	790	----	----	----	----
GMW-27	11/03/04	Secor	21,000	----	8,800	<50	53	170	<100	700	----	----	----	----
GMW-27	05/06/05	Secor	1,100	----	440	<2.5	<2.5	4.3	<5	42	----	----	----	----
GMW-27	11/03/05	Secor	4,100	----	2,000	<10	<10	17	<20	250	----	----	----	----
GMW-27	05/09/06	Secor	5,500	----	2,800	<15	22	<15	<30	180	----	----	----	----
GMW-27	12/06/06	Secor	12,000	----	6,400	<50	120	<50	<100	210	----	----	----	----
GMW-27	05/02/07	Secor	13,000	----	7,400	<50	<50	<50	<100	230	----	----	----	----
GMW-27	11/13/07	Secor	11,000	----	6,000	<25	<25	<25	<50	57	----	----	----	----
GMW-27	04/18/08	Secor	380	----	130	<1.5	<1.5	<1.5	<3	21	----	----	----	----
GMW-27	08/14/08	Secor	1,000	----	280	<1.5	1.5	1.6	<3	17	----	----	----	----
GMW-27	11/21/08	Stantec	3,100	----	1,100	<10	<10	<10	<20	26	----	----	----	----
GMW-27	04/20/09	Blaine Tech for AMEC	100	----	1.8	<0.50	<0.50	<0.50	<0.50	4.2	450	10	<1	<1
GMW-27	10/22/09	BT for Parsons	130	----	<0.50	<0.50	<0.50	<0.50	<0.50	5.7	830	17	<1	<1
GMW-27	05/27/10	Blaine Tech	95	----	<0.50	<0.50	<0.50	<0.50	<0.50	2.6	<10	10	<1	<1
GMW-27	10/07/10	Blaine Tech	130	----	1.9	<0.50	<0.50	<0.50	<0.50	6.2	900	17	<1	<1
GMW-27	04/13/11	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<1	0.91	480	12	<1	<1
GMW-27	10/12/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.99	300	6.0	<1	<1
GMW-27	04/19/12	CH2M Hill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.54	380	6.8	<1	<1
GMW-27	10/18/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	300	5.0	<1	<1
GMW-27	04/11/13	CHHL	<100	<50	<0.50	<0.50	<0.50	<0.50	<1	0.57	380	7.8	<1	<1
GMW-27	10/10/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	570	9.3	<1	<1
GMW-27	04/16/14	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	460	6.9	<1	<1
GMW-27	10/30/14	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	260	6.7	<1.0	<1.0
GMW-27	10/30/14	BT for CH2MHill	<100	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	340	6.4	<1.0	<1.0
GMW-28	05/07/99	Alton Geoscience	43,000	<500	22,000	780	1,400	3,000	<130	1,900	----	----	----	----
GMW-28	05/17/00	Secor	19,000	----	9,600	<50	370	160	<50	1,300	----	----	----	----
GMW-28	11/28/00	Secor	26,000	----	13,000	53	650	1,139	<0.50	1,600	----	----	----	----
GMW-28	05/08/01	Secor	30,000	----	15,000	190	660	310	<5	4,000	----	----	----	----
GMW-28	11/06/01	Secor	20,000	----	14,000	51	460	241	<0.50	3,200	----	----	----	----
GMW-28	04/09/02	Secor	24,000	----	9,100	79	320	110	<50	1,200	----	----	----	----
GMW-28	07/07/03	Geomatrix	----	----	18,000	140	800	450	<50	530	----	----	----	----
GMW-28	04/28/04	Geomatrix	40,000	----	22,000	180	1,200	570	<200	280	----	----	----	----
GMW-28	07/08/04	Geomatrix	46,000	----	20,000	120	1,000	560	<200	280	----	----	----	----
GMW-28	10/31/14	BT for CH2MHill	330	170	23	<0.50	<0.50	<0.50	<0.50	82	38	26	<1.0	<1.0

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
GMW-28	04/21/15	BT for CH2MHill	1,200	120	670	<5.0	<5.0	<5.0	<10	100	<100	25	<10	<10	
GMW-28	10/26/15	BT for CH2MHill	280	360	3.3	<0.50	<0.50	2.7	<0.50	73	20	18	<1.0	<1.0	
GMW-28	04/15/16	BT for CH2MHill	600	89	370	<2	4.5	<2	<4	25	<40	8.6	<4	<4	
GMW-28	10/06/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.6	46	19	<1.0	<1.0	
GMW-28	04/19/17	BT for CH2MHill	<50	<100	0.69	<0.50	<0.50	<0.50	<0.50	4.8	32	5.2	<1.0	<1.0	
GMW-28	10/05/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.88	110	24	<1.0	<1.0	
GMW-28	04/19/18	BT for Jacobs	60	120	<0.50	<0.50	<0.50	<0.50	<0.50	1.4	360	42	<1	<1	
GMW-28	11/09/18	BT for Jacobs	83	<50	0.72	<0.50	<0.50	<0.50	<0.50	1.1	270	40	<1.0	2.7	
GMW-28	04/18/19	BT for Jacobs	58	86	<0.50	<0.50	<0.50	<0.50	<0.50	0.88	1.5	460	37	<1	<1
GMW-28	11/01/19	BT for Jacobs	87	390	<0.50	<0.50	<0.50	<0.50	<0.50	1.0	500	41	<1.0	<1.0	
GMW-29	11/28/00	Secor	1,600	-----	170	97	8.0	300	<0.50	54	-----	-----	-----	-----	
GMW-29	05/08/01	Secor	2,200	-----	1,300	59	21	30	<0.50	<0.50	-----	-----	-----	-----	
GMW-29	04/09/02	Secor	13,000	-----	5,400	4,500	240	1,120	<1	34	-----	-----	-----	-----	
GMW-29	07/08/03	Geomatrix	-----	-----	4,100	670	410	880	<25	<50	-----	-----	-----	-----	
GMW-29	04/28/04	Geomatrix	40,000	-----	8,700	6,000	910	2,800	<200	<100	-----	-----	-----	-----	
GMW-29	07/08/04	Geomatrix	45,000	-----	8,900	6,500	900	4,000	<100	<50	-----	-----	-----	-----	
GMW-30	04/15/16	BT for CH2MHill	14,000	2,400	3,600	16	85	860	<30	<15	<300	<30	<30	<30	
GMW-30	10/07/16	BT for CH2MHill	360	3,600	24	0.60	2.6	3.0	1.2	2.3	27	6.0	<1.0	<1.0	
GMW-30	10/06/17	BT for CH2MHill	280	3,500	28	<0.50	1.7	4.6	<0.50	1.2	28	4.9	<1.0	<1.0	
GMW-30	04/20/18	BT for Jacobs	230	1,300	7.0	<0.50	<0.50	10	<0.50	1.3	45	8.8	<1	<1	
GMW-30	04/19/19	BT for Jacobs	99	4,000	2.5	<0.50	<0.50	<0.50	<0.50	0.86	31	7.9	<1	<1	
GMW-30	11/01/19	BT for Jacobs	<50	1,300	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	20	6.2	<1.0	<1.0	
GMW-31	11/27/96	GSI	1,100	<500	<2.5	<2.5	<2.5	<5	-----	-----	-----	-----	-----	-----	
GMW-31	07/10/97	GTI	55	550	2.0	<1	<1	<2	-----	-----	-----	-----	-----	-----	
GMW-31	01/07/98	GTI	<500	<100	1.6	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----	
GMW-31	05/21/98	BBC	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----	
GMW-31	11/06/98	GTI	<300	-----	4.8	<0.30	3.5	<0.60	-----	-----	-----	-----	-----	-----	
GMW-31	05/27/99	GTI	<300	-----	<0.30	<0.30	0.52	<0.60	-----	-----	-----	-----	-----	-----	
GMW-31	11/18/99	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----	
GMW-31	05/17/00	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----	
GMW-31	12/01/00	IT Corporation	530	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----	
GMW-31	05/10/01	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----	
GMW-31	11/07/01	IT Corporation	<300	-----	0.80	0.49	<0.30	<0.60	-----	9.9	-----	-----	-----	-----	
GMW-31	04/10/02	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----	
GMW-31	10/24/02	GTI	<300	-----	<0.30	0.49	<0.30	<0.30	-----	<5	-----	-----	-----	-----	
GMW-31	04/14/03	GTI	-----	-----	<1	<1	<1	<2	-----	<3	-----	-----	-----	-----	
GMW-31	10/10/03	BT for Parsons	-----	-----	0.39	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----	
GMW-31	04/22/04	BT for Parsons	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----	
GMW-31	11/06/04	BT for Parsons	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----	
GMW-31	05/07/05	BT for Parsons	-----	-----	<0.30	0.64	<0.30	<0.30	-----	<5	-----	-----	-----	-----	
GMW-31	11/08/05	BT for Parsons	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----	
GMW-31	05/05/06	BT for Parsons	-----	-----	<0.30	0.79	0.50	2.4	-----	<5	-----	-----	-----	-----	
GMW-31	12/08/06	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<1	-----	<5	-----	-----	-----	-----	
GMW-31	05/03/07	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<1	-----	<5	-----	-----	-----	-----	
GMW-31	11/14/07	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<1	-----	<5	-----	-----	-----	-----	
GMW-31	04/18/08	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<1	-----	<5	-----	-----	-----	-----	
GMW-31	10/17/08	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
GMW-31	04/22/09	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<0.50	
GMW-31	10/20/09	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	0.57	<10	<2	<2	<2	
GMW-31	04/14/10	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	-----	<0.50	4.6 J	<2	<2	<2	
GMW-31	10/08/10	BT for Parsons	-----	-----	<0.50	-----	-----	-----	<0.50	<0.50	6.5 J	-----	-----	-----	
GMW-31	04/11/11	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	

APPENDIX D
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 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-31	10/10/11	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-31	04/16/12	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-31	10/16/12	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-31	04/08/13	Parsons	----	120 b	<0.50	<0.50	<0.50	<0.50	<0.50	0.67	<10	<2	<2	<2
GMW-31	10/07/13	Parsons	<100	210 HD	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-31	04/14/14	Parsons	<100	170 HD	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-31	10/29/14	SGI	<100	160	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-31	04/28/15	SGI	<100	340	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-31	04/20/17	SGI	<100	120	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
DUP-5 (GMW-31)	04/20/17	SGI	<100	130	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-31	10/05/17	SGI	<100	270	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-31	04/19/18	SGI	<100	150	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-31	11/08/18	SGI	<100	230	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-31	04/17/19	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-31	10/29/19	SGI	<100	120	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-32	11/27/96	GSI	430	<500	13	<0.50	25	<1	----	----	----	----	----	----
GMW-32	07/10/97	GTI	63	1,800	1.7	<1	<1	<2	----	----	----	----	----	----
GMW-32	01/06/98	GTI	<500	<100	0.40	<0.30	0.70	<0.60	----	----	----	----	----	----
GMW-32	05/21/98	BBC	<300	----	<0.30	<0.30	<0.30	<0.60	----	----	----	----	----	----
GMW-32	11/05/98	GTI	<300	----	<0.30	<0.30	0.62	<0.60	----	----	----	----	----	----
GMW-32	11/06/98	GTI	----	----	----	----	----	----	----	----	----	----	----	----
GMW-32	05/27/99	GTI	<300	----	3.1	<0.30	5.0	1.4	----	----	----	----	----	----
GMW-32	11/18/99	IT Corporation	<300	----	4.3	<0.30	6.9	1.2	----	----	----	----	----	----
GMW-32	05/17/00	IT Corporation	500	----	8.0	3.4	16	14	----	----	----	----	----	----
GMW-32	11/30/00	IT Corporation	330	----	<0.30	<0.30	4.2	<0.60	----	<5	----	----	----	----
GMW-32	05/09/01	IT Corporation	1,000	----	4.7	<0.30	1.2	2.8	----	<5	----	----	----	----
GMW-32	11/07/01	IT Corporation	660	----	4.2	0.63	5.7	2.0	----	<5	----	----	----	----
GMW-32	02/01/02	Secor	----	----	0.89	<0.50	0.53	0.69	<0.50	0.77	----	----	----	----
GMW-32	04/11/02	IT Corporation	<300	----	1.5	<0.30	7.2	<0.60	----	<5	----	----	----	----
GMW-32	10/23/02	GTI	<300	----	<0.30	<0.30	<0.30	<0.30	----	<5	----	----	----	----
GMW-32	04/09/03	GTI	----	----	<1	1.2	<1	<2	----	<3	----	----	----	----
GMW-32	10/10/03	BT for Parsons	----	----	<0.30	<0.30	<0.30	<0.30	----	<5	----	----	----	----
GMW-32	04/21/04	BT for Parsons	----	----	0.52	<1	<1	<1	----	<1	----	----	----	----
GMW-32	11/04/04	BT for Parsons	----	----	<0.30	<0.30	<0.30	<0.30	----	<5	----	----	----	----
GMW-32	05/06/05	BT for Parsons	----	----	0.31	0.64	<0.30	0.76	----	<5	----	----	----	----
GMW-32	11/08/05	BT for Parsons	----	----	<0.30	0.41	<0.30	0.70	----	<5	----	----	----	----
GMW-32	05/04/06	BT for Parsons	----	----	0.46	0.39	0.62	1.4	----	<5	----	----	----	----
GMW-32	12/08/06	BT for Parsons	----	----	<0.50	<0.50	<0.50	<1	----	<5	----	----	----	----
GMW-32	05/03/07	BT for Parsons	----	----	<0.50	<0.50	<0.50	<1	----	<5	----	----	----	----
GMW-32	11/16/07	BT for Parsons	----	----	<0.50	<0.50	<0.50	<1	----	<5	----	----	----	----
GMW-32	04/17/08	BT for Parsons	----	----	<0.50	<0.50	<0.50	<1	----	<5	----	----	----	----
GMW-32	10/16/08	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-32	04/24/09	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-32	10/20/09	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-32	04/16/10	BT for Parsons	----	----	<0.50	<0.50	0.41 J	<0.50	----	<0.50	<10	<2	<2	<2
GMW-32	10/07/10	BT for Parsons	----	----	<0.50	----	----	----	<0.50	<0.50	<10	----	----	----
GMW-32	04/14/11	BT for Parsons	----	----	<0.50	<0.50	0.25 J	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-32	10/12/11	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-32	04/19/12	Parsons	----	----	<0.50	<0.50	<0.50	0.26 J	<0.50	<0.50	<10	<2	<2	<2
GMW-32	10/19/12	Parsons	----	----	0.2 J	<0.50	0.14 J	0.32	<0.50	<0.50	<10	<2	<2	<2
GMW-32	04/10/13	Parsons	----	1,300 b	<0.50	<0.50	<0.50	0.3 J	<0.50	<0.50	<10	<2	<2	<2
GMW-32	10/08/13	Parsons	<100	1,200 HD	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	7.3 J	<2	<2	<2

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-32	04/16/14	Parsons	440 HD	1,500 HD	<0.50	<0.50	0.41 J	0.80	<0.50	0.67	17	<2	<2	<2
GMW-32	10/30/14	SGI	290	1,500	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	13	<2.0	<2.0	<2.0
GMW-33	11/21/96	GSI	<38	<500	<0.50	<0.50	<0.50	<1.5	<0.50	----	----	----	----	----
GMW-33	07/10/97	GTI	<50	700	<5	<5	<5	<5	<5	<5	----	----	----	----
GMW-33	01/06/98	GTI	<500	<100	<0.50	<0.50	<0.50	<1	<0.50	<0.50	----	----	----	----
GMW-33	05/20/98	BBC	<300	----	<0.30	<0.50	<0.50	<1	<0.50	<0.50	----	----	----	----
GMW-33	11/05/98	GTI	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-33	05/27/99	GTI	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-33	11/18/99	IT Corporation	<300	----	<0.50	<1	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-33	05/17/00	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-33	11/30/00	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-33	05/09/01	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-33	11/07/01	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-33	02/01/02	Secor	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-33	04/11/02	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.80	----	----	----
GMW-34	11/18/99	IT Corporation	9,500	----	30	3.5	8.3	81	<0.50	24	----	----	----	----
GMW-34	05/17/00	IT Corporation	740	----	<0.50	<0.50	1.5	11	<0.50	30	----	----	----	----
GMW-34	12/01/00	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	10	----	----	----	----
GMW-34	05/10/01	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	7.3	----	----	----	----
GMW-34	11/08/01	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	----	----	----	----
GMW-34	04/12/02	IT Corporation	960	----	240	1.4	33	81	<0.50	2.5	----	----	----	----
GMW-35	05/09/01	IT Corporation	20,000	----	1,300	11	580	4,100	<10	<10	----	----	----	----
GMW-35	04/10/03	GTI	----	----	65	31	109	159	----	<3	----	----	----	----
GMW-35	10/10/03	BT for Parsons	----	----	100	<15	120	650	----	<250	----	----	----	----
GMW-35	04/21/04	BT for Parsons	----	----	110	<1	45	7.3	----	1.5	----	----	----	----
GMW-35	11/04/04	BT for Parsons	----	----	62	<3	13	28	----	<50	----	----	----	----
GMW-35	05/05/05	BT for Parsons	----	----	10	1.4	33	22	----	<10	----	----	----	----
GMW-35	11/05/05	BT for Parsons	----	----	9.1	2.2	31	17	----	<25	----	----	----	----
GMW-35	05/03/06	BT for Parsons	----	----	7.9	2.9	20	12	----	<5	----	----	----	----
GMW-35	12/08/06	BT for Parsons	----	----	14	<0.50	9.0	6.9	----	<5	----	----	----	----
GMW-35	05/04/07	BT for Parsons	----	----	21	0.86	1.3	5.3	----	6.1	----	----	----	----
GMW-35	11/15/07	BT for Parsons	----	----	26	<0.50	<0.50	<1	----	7.7	----	----	----	----
GMW-35	04/17/08	BT for Parsons	----	----	18	<0.50	1.8	2.5	----	<5	----	----	----	----
GMW-35	04/24/09	BT for Parsons	----	----	63	<5	<5	<5	----	210	----	<5	<5	<5
GMW-35	04/16/10	BT for Parsons	----	----	180	0.88 J	1.5	0.70	----	13	2,200	<4	<4	<4
GMW-35R	10/09/17	SGI	160	1,400	9.4	<0.50	<0.50	<1.5	<0.50	5.0	770	<2.0	<2.0	<2.0
GMW-35R	04/23/18	SGI	160	1,100	16	<0.50	<0.50	<1.5	<0.50	2.9	360	<2.0	<2.0	<2.0
DUP-6 (GMW-35R)	04/23/18	SGI	110 J	1,100	16	<0.50	<0.50	<1.5	<0.50	2.6	280	<2.0	<2.0	<2.0
GMW-35R	11/12/18	SGI	450	2,100	48	<0.50	<0.50	0.67	<0.50	2.3	260	<2.0	<2.0	<2.0
GMW-35R	04/22/19	SGI	190	1,300	<2.5	<2.5	<2.5	<7.5	<2.5	<5.0	600	<10	<10	<10
GMW-35R	11/06/19	SGI	220	1,200	11	<1.0	<1.0	<3.0	<1.0	6.3	720	<4.0	<4.0	<4.0
GMW-36	07/10/97	Terra Services	430	<500	----	----	----	----	----	----	----	----	----	----
GMW-36	01/09/98	Terra Services	4,000	4,300	22	21	6.1	100	<5	7,700	----	----	----	----
GMW-36	05/20/98	Terra Services	1,400	----	<0.30	<0.30	<10	<20	<0.50	19,600	----	----	----	----
GMW-36	11/17/98	Alton Geoscience	7,900	----	2,100	1,370	70	650	<50	34,800	----	----	----	----
GMW-36	05/07/99	Alton Geoscience	2,800	<500	<10	<10	<10	<10	<25	14,000	----	----	----	----
GMW-36	11/18/99	Secor	51,000	----	8,100	5,600	<250	1,770	<250	47,000	----	----	----	----
GMW-36	05/17/00	Secor	59,000	----	14,000	6,700	480	4,100	<130	45,000	----	----	----	----
GMW-36	11/30/00	Secor	110,000	----	20,000	19,000	1,600	8,100	<0.50	13,000	----	----	----	----
GMW-36	02/06/01	Secor	75,000	----	18,000	13,000	1,400	6,100	<50	9,100	----	----	----	----
GMW-36	05/10/01	Secor	12,000	----	3,700	2,500	420	1,730	<0.50	1,600	----	----	----	----
GMW-36	09/19/01	Secor	21,000	----	5,800	3,600	580	2,080	<13	1,000	----	----	----	----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-36	11/06/01	Secor	63,000	----	16,000	13,000	1,600	7,700	<25	3,200	----	----	----	----
GMW-36	01/30/02	Secor	130,000	----	21,000	20,000	1,700	9,000	<125	42,000	----	----	----	----
GMW-36	04/10/02	Secor	150,000	----	25,000	22,000	1,800	10,000	<50	67,000	----	----	----	----
GMW-36	07/30/02	IT Corporation	81,000	----	28,000	29,000	2,200	11,800	<50	37,000	----	----	----	----
GMW-36	12/06/06	Secor	32,000	----	5,300	4,300	480	4,300	<50	1,600	----	----	----	----
GMW-36	03/13/07	Secor	54,000	----	9,400	12,000	1,100	8,200	<200	3,800	----	----	----	----
GMW-36	05/05/07	Secor	69,000	----	9,800	11,000	1,200	8,000	<200	3,900	----	----	----	----
GMW-36	08/29/07	Secor	30,000	----	4,100	4,200	420	4,500	120	890	----	----	----	----
GMW-36	02/20/08	Secor	34,000	----	3,900	6,000	750	4,600	<50	43	----	----	----	----
GMW-36	04/16/08	Secor	42,000	----	5,200	8,300	940	6,200	<200	<100	----	----	----	----
GMW-36	10/16/08	Stantec	17,000	----	2,100	2,000	160	2,300	<20	26	----	----	----	----
GMW-36	07/22/09	BT for Parsons	24,000	----	3,800	5,400	720	3,380	<50	28	<500	<50	<50	<50
GMW-36	03/16/10	BT for Parsons	8,000	----	830	1,100	140	700	<10	16	690	<10	<10	<10
GMW-36	04/16/10	BT for Parsons	4,200	----	850	150	89	200	<5	11	3,700	<5	<5	<5
GMW-36	07/13/10	BT for Parsons	500	----	49	51	4.9	43	<0.50	0.91	340	<1	<1	<1
GMW-36	08/12/10	BT for Parsons	9,200	----	1,400	1,100	52	980	<10	18	1,600	<10	<10	<10
GMW-36	09/20/10	BT for Parsons	3,300	----	130	18	36	120	<1	130	13,000	<1	<1	1.6
GMW-36	10/05/10	BT for Parsons	15,000	----	2,500	1,300	390	1,200	<20	30	1,300	<20	<20	<20
GMW-36	11/23/10	BT for Parsons	31,000	----	5,100	3,400	890	2,600	<40	51	470	<40	<40	<40
GMW-36	12/22/10	BT for Parsons	63,000	----	6,700	9,600	1,700	5,600	<50	28	<500	<50	<50	<50
GMW-36	01/12/11	BT for Parsons	320,000	----	4,600	2,900	1,400	9,200	<200	<100	<2,000	<200	<200	<200
GMW-36	02/24/11	BT for Parsons	1,600	----	110	77	19	130	<1	2.5	2,200	<1	<1	<1
GMW-36	03/23/11	BT for Parsons	3,200	----	360	340	28	240	<3	7.6	2,400	<3	<3	<3
GMW-36	04/29/11	BT for Parsons	1,500	----	75	67	6.8	113	<0.50	3.3	1,700	<1	<1	<1
GMW-36	05/13/11	BT for Parsons	13,000	----	2,300	2,100	93	1,640	<20	43	<200	<20	<20	<20
GMW-36	06/22/11	BT for Parsons	420	----	24	12	2.8	29	<0.50	110	5,900	<1	<1	<1
GMW-36	07/29/11	CH2M Hill	7,300	----	560	570	61	990	<10	350	4,600	<10	<10	<10
GMW-36	08/19/11	CH2M Hill	13,000	----	570	1,100	250	1,900	<20	260	9,000	<20	<20	<20
GMW-36	09/22/11	CH2M Hill	5,200	----	490	240	52	470	<5	660	7,400	<5	<5	17
GMW-36	10/13/11	CH2M Hill	22,000	----	610	490	430	2,200	<20	250	3,700	<20	<20	43
GMW-36	11/23/11	CH2M Hill	630	----	17	<2.5	<2.5	14	<5	110	6,000	<5	<5	<5
GMW-36	12/21/11	CH2M Hill	700	----	59	55	14	65	<0.50	2.1	340	<1	<1	<1
GMW-36	01/10/12	CH2M Hill	380	----	78	1.6	5.1	13	<0.50	94	4,900	<1	<1	1.3
GMW-36	02/23/12	CH2M HILL	45,000	----	5,600	8,900	1,700	6,600	<200	<100	<2,000	<200	<200	<200
GMW-36	03/28/12	CH2M HILL	220	400	3.5	4.1	1.2	6.3	<0.50	1.5	130	<1	<1	<1
GMW-36	04/27/12	CH2M Hill	1,300	710	43	<0.50	2.5	35	<1	64	4,200	<1	<1	1.2
GMW-36	05/25/12	CH2M HILL	280	440	<0.50	<0.50	<0.50	1.5	<1	14	6,200	<1	<1	<1
GMW-36	06/15/12	CH2M HILL	460	380	17	4.1	5.5	50	<1	12	780	<1	<1	<1
GMW-36	07/11/12	CHHL	5,100	12,000	<2.5	6.8	39	300	<5	<2.5	140	<5	<5	<5
GMW-36	09/26/12	CHHL	14,000	6,600	35	11	<2.5	230	<5	17	100	<5	<5	<5
GMW-36	10/18/12	CHHL	8,800	12,000	350	33	28	490	<5	70	100	<5	<5	<5
GMW-36	11/29/12	CHHL	8,400	6,600	520	550	66	490	<10	190	<100	<10	<10	<10
GMW-36	04/12/13	CHHL	560,000	19,000	7,400	20,000	8,900	50,000	<400	270	<4,000	<400	<400	<400
GMW-36	10/11/13	CHHL	120,000	130,000	9,600	18,000	3,400	18,000	<200	380	<2,000	<200	<200	<200
GMW-36	10/28/15	BT for CH2MHill	19,000	16,000 HD	2,300	82	500	2,700	<20	1,500	710	<20	<20	<20
GMW-36	04/15/16	BT for CH2MHill	16,000	13,000	660	<10	170	1,700	<20	540	1,400	<20	<20	<20
GMW-36	04/19/17	BT for CH2MHill	6,900	4,000	1,500	<10	140	<10	<0.50	1,900	7,800	<20	<20	36
GMW-36	10/05/17	BT for CH2MHill	630	340	48	1.3	25	14	1.8	27	2,500	<1.0	<1.0	1.8
GMW-36	04/20/18	BT for Jacobs	68	95	1.8	<0.50	0.51	4.9	<0.50	<0.50	210	<1	<1	<1
GMW-36	11/08/18	BT for Jacobs	160	2,100	0.64	<0.50	<0.50	<0.50	<0.50	1.6	3,000	<1.0	<1.0	<1.0
GMW-36	04/23/19	BT for Jacobs	560	18,000	26	<2.5	<2.5	<2.5	<5	9.7	2,200	<5	<5	<5
GMW-37	11/25/96	Terra Services	----	----	<0.50	<0.50	<0.50	<1.5	<0.50	<5	----	----	----	----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-37	07/11/97	Terra Services	<100	<500	<0.50	<0.50	<0.50	<1	<0.50	<5	----	----	----	----
GMW-37	01/06/98	Terra Services	<100	<500	<0.50	<0.50	<0.50	<1.5	<0.50	<5	----	----	----	----
GMW-37	05/26/98	Terra Services	<300	----	<0.30	<0.30	<0.50	0.60	<0.50	<0.50	----	----	----	----
GMW-37	11/11/98	Alton Geoscience	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	11	----	----	----	----
GMW-37	05/07/99	Alton Geoscience	<500	<500	1.1	4.5	<0.50	1.9	<1	14	----	----	----	----
GMW-37	11/18/99	Secor	<416	----	<0.50	<0.50	<0.50	<0.50	<0.50	16	----	----	----	----
GMW-37	05/17/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	16	----	----	----	----
GMW-37	11/30/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	34	----	----	----	----
GMW-37	02/06/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	54	----	----	----	----
GMW-37	05/08/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-37	09/19/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	11	----	----	----	----
GMW-37	11/06/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	49	----	----	----	----
GMW-37	01/30/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	----	----	----	----
GMW-37	04/10/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	7.2	----	----	----	----
GMW-37	10/22/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	49	----	----	----	----
GMW-37	01/29/03	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.75	----	----	----	----
GMW-37	04/09/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.86	----	----	----	----
GMW-37	07/30/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-37	10/06/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	4.3	----	----	----	----
GMW-37	01/27/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-37	04/20/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-37	07/19/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	2.6	----	----	----	----
GMW-37	11/02/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-37	02/02/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-37	05/04/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-37	08/01/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-37	11/01/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-37	02/27/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-37	05/02/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-37	09/18/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-37	12/05/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-37	05/04/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-37	11/14/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-37	04/16/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-37	10/14/08	Stantec	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-37	04/23/09	Blaine Tech for AMEC	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-37	10/19/09	BT for Parsons	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-37	05/26/10	BT for Parsons	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-37	10/06/10	BT for Parsons	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-37	04/12/11	BT for Parsons	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-37	10/11/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-37	04/17/12	CH2M Hill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-37	10/16/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-37	04/10/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-37	10/09/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-37	04/15/14	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-37	10/29/14	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-37	04/21/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-37	10/21/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-37	04/13/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-37	10/04/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-37	04/18/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-37	10/03/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-37	04/18/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-37	11/09/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-37	04/19/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-37	10/29/19	BT for Jacobs	<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	Terra Services	----	----	1.8	<0.50	<0.50	<1.5	<0.50	7.7	----	----	----	----
GMW-38	07/10/97	Terra Services	<100	<500	<0.50	2.0	<0.50	0.83	<0.50	<5	----	----	----	----
GMW-38	01/05/98	Terra Services	<100	<500	<0.50	<0.50	<0.50	<1.5	<0.50	<5	----	----	----	----
GMW-38	05/21/98	Terra Services	<300	----	<0.30	<0.50	<0.50	<1	<0.50	1.2	----	----	----	----
GMW-38	11/12/98	Alton Geoscience	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	25	----	----	----	----
GMW-38	05/07/99	Alton Geoscience	<500	<500	<0.50	1.5	<0.50	<0.50	<1	7.9	----	----	----	----
GMW-38	11/18/99	Secor	<416	----	<0.50	<0.50	<0.50	<0.50	<0.50	1.7	----	----	----	----
GMW-38	05/17/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-38	11/30/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.80	----	----	----	----
GMW-38	05/08/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-38	11/06/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	1.6	----	----	----	----
GMW-38	02/01/02	Secor	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	1.7	----	----	----	----
GMW-38	04/10/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-38	10/23/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-38	01/29/03	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-38	04/09/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	1.5	----	----	----	----
GMW-38	07/30/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-38	10/06/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-38	01/28/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-38	04/20/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	1.4	----	----	----	----
GMW-38	07/19/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-38	11/02/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-38	02/02/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-38	05/04/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	----	----	----	----
GMW-38	08/02/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-38	11/01/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-38	02/28/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.66	----	----	----	----
GMW-38	05/02/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-38	09/18/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-38	12/05/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-38	03/13/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-38	05/05/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-38	08/30/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-38	11/13/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-38	04/22/09	Blaine Tech for AMEC	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.74	<10	<1	<1	<1
GMW-38	07/21/09	BT for Parsons	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.55	27	<1	<1	<1
GMW-38	10/21/09	BT for Parsons	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	29	<1	<1	<1
GMW-38	03/15/10	BT for Parsons	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	05/26/10	BT for Parsons	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	07/13/10	BT for Parsons	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	<10	<1	<1	<1
GMW-38	10/06/10	BT for Parsons	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	01/11/11	BT for Parsons	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	04/12/11	BT for Parsons	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	07/12/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	10/12/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	01/10/12	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	04/18/12	CH2M Hill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-38	07/10/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	10/17/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	01/15/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	04/10/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	10/10/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	04/16/14	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	10/29/14	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-38	04/21/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-38	10/22/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-38	04/13/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-38	10/04/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-38	04/18/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-38	10/03/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-38	04/18/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	11/08/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-38	04/19/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	10/29/19	BT for Jacobs	<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	Terra Services	----	----	<0.50	<0.50	<0.50	<1.5	<0.50	<5	----	----	----	----
GMW-39	07/10/97	Terra Services	<100	<500	<0.50	0.50	<0.50	<1	<0.50	<5	----	----	----	----
GMW-39	01/05/98	Terra Services	<100	<500	<0.50	<0.50	<0.50	<1.5	<0.50	<5	----	----	----	----
GMW-39	05/19/98	Terra Services	----	----	<0.30	<0.50	<0.50	<1	<0.50	0.90	----	----	----	----
GMW-39	11/12/98	Alton Geoscience	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	3.2	----	----	----	----
GMW-39	05/07/99	Alton Geoscience	<500	<500	<0.50	<0.50	<0.50	<0.50	<1	2.9	----	----	----	----
GMW-39	11/18/99	Secor	<416	----	<0.50	<0.50	<0.50	<0.50	<0.50	12	----	----	----	----
GMW-39	05/17/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	9.4	----	----	----	----
GMW-39	11/29/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	16	----	----	----	----
GMW-39	05/08/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-39	11/06/01	Secor	<300	----	1.2	<0.50	<0.50	<0.50	<0.50	39	----	----	----	----
GMW-39	02/01/02	Secor	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	36	----	----	----	----
GMW-39	04/10/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	20	----	----	----	----
GMW-39	10/22/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	89	----	----	----	----
GMW-39	01/29/03	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	32	----	----	----	----
GMW-39	04/09/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	23	----	----	----	----
GMW-39	07/30/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	3.3	----	----	----	----
GMW-39	10/06/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	6.6	----	----	----	----
GMW-39	01/28/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	3.6	----	----	----	----
GMW-39	04/20/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	4.8	----	----	----	----
GMW-39	07/19/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	3.7	----	----	----	----
GMW-39	11/03/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	3.7	----	----	----	----
GMW-39	02/02/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	1.7	----	----	----	----
GMW-39	05/04/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-39	08/02/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-39	11/01/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-39	02/27/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.59	----	----	----	----
GMW-39	05/02/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-39	09/19/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	3.7	----	----	----	----
GMW-39	12/06/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	4.0	----	----	----	----
GMW-39	03/13/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	4.5	----	----	----	----
GMW-39	05/04/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	2.9	----	----	----	----
GMW-39	08/29/07	Secor	<500	----	<2.5	<2.5	<2.5	<2.5	<5	3.6	----	----	----	----
GMW-39	11/13/07	Secor	160	----	<0.50	<0.50	<0.50	<0.50	<1	2.6	----	----	----	----
GMW-39	02/20/08	Secor	110	----	<0.50	<0.50	<0.50	<0.50	<0.50	2.9	----	----	----	----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-39	04/16/08	Secor	90	-----	<0.50	<0.50	<0.50	<0.50	<0.50	1.9	-----	-----	-----	-----
GMW-39	08/14/08	Secor	<100	-----	<0.50	<0.50	<0.50	<0.50	<1	1.1	-----	-----	-----	-----
GMW-39	10/15/08	Stantec	<500	-----	<2.5	<2.5	<2.5	<2.5	<5	5.6	-----	-----	-----	-----
GMW-39	02/24/09	BT for Parsons	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	3,400	-----	-----	-----
GMW-39	04/22/09	Blaine Tech for AMEC	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	4,000	<1	<1	<1
GMW-39	07/21/09	BT for Parsons	<100	-----	<0.50	<0.50	<0.50	<0.50	<1	<0.50	2,500	<1	<1	<1
GMW-39	10/22/09	BT for Parsons	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	2,200	<1	<1	<1
GMW-39	03/16/10	BT for Parsons	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	130	<1	<1	<1
GMW-39	05/27/10	BT for Parsons	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-39	07/13/10	BT for Parsons	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	230	<1	<1	<1
GMW-39	10/07/10	BT for Parsons	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	0.75	550	<1	<1	<1
GMW-39	01/11/11	BT for Parsons	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	68	<1	<1	<1
GMW-39	04/13/11	BT for Parsons	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-39	07/12/11	CH2M Hill	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-39	10/11/11	CH2M Hill	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	96	<1	<1	<1
GMW-39	01/10/12	CH2M Hill	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	58	<1	<1	<1
GMW-39	04/19/12	CH2M Hill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	38	<1	<1	<1
GMW-39	07/10/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-39	10/17/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	47	<1	<1	<1
GMW-39	01/15/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-39	04/10/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.88	54	<1	<1	<1
GMW-39	10/10/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.8	420	<1	<1	<1
GMW-39	04/16/14	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	20	<1	<1	<1
GMW-39	10/30/14	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.7	<10	<1.0	<1.0	<1.0
GMW-39	10/30/14	BT for CH2MHill	<100	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.6	15	<1.0	<1.0	<1.0
GMW-39	04/23/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.95	<10	<1.0	<1.0	<1.0
GMW-39	04/23/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.87	<10	<1.0	<1.0	<1.0
GMW-39	10/23/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-39	10/23/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-39	04/14/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
DUP-4 (GMW 39)	04/14/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.51	<10	<1.0	<1.0	<1.0
GMW-39	10/05/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.6	<10	<1.0	<1.0	<1.0
DUP-1 (GMW-39)	10/05/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.5	<10	<1.0	<1.0	<1.0
GMW-39	04/18/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-39	10/04/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-39	04/18/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	10	<1	<1	<1
GMW-39	11/08/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-39	04/19/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-39	10/29/19	BT for Jacobs	<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	Terra Services	400	<500	0.50	<0.50	5.8	5.9	<0.50	<5	-----	-----	-----	-----
GMW-40	07/10/97	GTI	210	2,600	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GMW-40	01/07/98	GTI	<500	<100	<0.50	<0.50	<0.50	<1	<0.50	<0.50	-----	-----	-----	-----
GMW-40	05/21/98	BBC	<300	-----	<0.30	<0.50	<0.50	<1	<0.50	<0.50	-----	-----	-----	-----
GMW-40	11/05/98	GTI	<300	-----	<0.50	<0.50	3.8	7.6	<0.50	<0.50	-----	-----	-----	-----
GMW-40	05/26/99	GTI	<300	-----	0.90	<0.50	<0.50	<0.50	<0.50	4.4	-----	-----	-----	-----
GMW-40	11/18/99	IT Corporation	<300	-----	2.8	<0.50	0.90	2.8	<0.50	9.3	-----	-----	-----	-----
GMW-40	05/17/00	IT Corporation	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	11	-----	-----	-----	-----
GMW-40	12/01/00	IT Corporation	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-40	05/10/01	IT Corporation	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-40	11/08/01	IT Corporation	<300	-----	<0.50	<0.50	1.1	3.1	<0.50	19	-----	-----	-----	-----
GMW-40	04/12/02	IT Corporation	<300	-----	1.7	<0.50	0.70	0.90	<0.50	17	-----	-----	-----	-----
GMW-40	04/16/03	GTI	-----	-----	5.2	<0.50	2.7	4.7	<0.50	55	-----	-----	-----	-----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-40	10/08/03	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	52	----	----	----	----
GMW-40	04/22/04	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	39	<10	<2	<2	<2
GMW-40	11/06/04	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-40	05/07/05	BT for Parsons	----	----	<0.50	<0.50	<0.50	0.70	<0.50	0.76	<10	<2	<2	<2
GMW-40	11/08/05	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.76	<10	<2	<2	<2
GMW-40	05/05/06	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	4.9	<10	<2	<2	<2
GMW-40	12/08/06	BT for Parsons	----	----	0.87	<0.50	<0.50	14	<0.50	15	<10	<2	<2	<2
GMW-40	05/03/07	BT for Parsons	----	----	3.7	<0.50	2.2	27	<0.50	46	63	<2	<2	<2
GMW-40	11/16/07	BT for Parsons	----	----	0.61	<0.50	1.9	8.4	<0.50	<0.50	<10	<2	<2	<2
GMW-40	04/18/08	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-40	10/17/08	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	<10	<2	<2	<2
GMW-40	04/24/09	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-40	10/21/09	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.4 J	<10	<2	<2	<2
GMW-40	04/14/10	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	----	<0.50	<10	<2	<2	<2
GMW-40	10/06/10	BT for Parsons	<50	----	1.2	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-40	10/08/13	Parsons	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	Parsons	<100	240 HD	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-40	10/29/14	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-40	10/29/14	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-40	04/22/15	SGI	<100	130	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-40	10/05/16	SGI	<100	1,100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-41	11/27/96	GSI	250	<500	<0.50	<0.50	<0.50	<1	<0.50	----	----	----	----	----
GMW-41	07/10/97	GTI	75	1,200	<5	<5	<5	<5	<5	<5	----	----	----	----
GMW-41	01/07/98	GTI	<500	<100	<0.50	<0.50	<0.50	<1	<0.50	<0.50	----	----	----	----
GMW-41	05/21/98	BBC	<300	----	<0.30	<0.50	<0.50	<1	<0.50	<0.50	----	----	----	----
GMW-41	11/05/98	GTI	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	1.0	----	----	----	----
GMW-41	05/26/99	GTI	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-41	11/18/99	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-41	05/17/00	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-41	11/30/00	IT Corporation	<300	----	<0.30	<0.30	<0.30	<0.60	----	<5	----	----	----	----
GMW-41	05/10/01	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-41	11/08/01	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-41	04/12/02	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.80	----	----	----	----
GMW-41	10/24/02	GTI	<300	----	<0.50	<1	<1	<1	<0.50	1.1	----	----	----	----
GMW-41	04/16/03	GTI	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-41	10/08/03	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	2.4	----	----	----	----
GMW-41	04/22/04	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	3.3	<10	<2	<2	<2
GMW-41	11/06/04	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	3.6	<10	<2	<2	<2
GMW-41	05/07/05	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-41	11/08/05	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-41	05/05/06	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-41	12/08/06	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-41	05/03/07	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.51	<10	<2	<2	<2
GMW-41	11/16/07	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-41	04/18/08	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-41	10/17/08	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-41	04/22/09	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-41	10/21/09	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.43 J	<10	<2	<2	<2
GMW-41	04/14/10	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	----	0.33 J	5.7 J	<2	<2	<2
GMW-41	10/06/10	BT for Parsons	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-41	10/06/10	BT for Parsons	----	----	<0.50	----	----	----	<0.50	<0.50	<10	----	----	----
GMW-41	04/11/11	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-41	10/11/11	Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-41	04/16/12	Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	5.4 J	<2	<2	<2
GMW-41	10/16/12	Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-41	04/09/13	Parsons	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-41	10/07/13	Parsons	<100	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.5 J	<10	<2	<2	<2
GMW-41	10/28/14	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-41	04/22/15	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	3.2	<10	<2.0	<2.0	<2.0
GMW-41	04/22/15	SGI	<100	120	<0.50	<0.50	<0.50	<1.5	<0.50	2.6	<10	<2.0	<2.0	<2.0
GMW-41	10/05/16	SGI	<100	330	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-41	04/20/17	SGI	<100	140	<0.50	<0.50	<0.50	<1	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-41	04/20/18	SGI	<100	690 J	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-41	11/06/18	SGI	<100	140	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-41	04/17/19	SGI	<100	140	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
DUPE (GMW-41)	04/17/19	SGI	<100	160	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-41	10/31/19	SGI	<100	140	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
DUP-4 (GMW-41)	10/31/19	SGI	<100	170	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-42	11/05/98	GTI	7,530	-----	800	<7.5	55	810	-----	-----	-----	-----	-----	-----
GMW-42	05/27/99	GTI	6,510	-----	1,100	110	60	580	-----	-----	-----	-----	-----	-----
GMW-42	11/18/99	IT Corporation	7,900	-----	810	490	180	1,200	-----	-----	-----	-----	-----	-----
GMW-42	05/17/00	IT Corporation	3,800	-----	9.9	1.2	26	230	-----	-----	-----	-----	-----	-----
GMW-42	12/01/00	IT Corporation	380	-----	1.0	<0.30	<0.30	<0.60	-----	18	-----	-----	-----	-----
GMW-42	05/10/01	IT Corporation	490	-----	24	40	11	79	-----	5.3	-----	-----	-----	-----
GMW-42	11/07/01	IT Corporation	<300	-----	<0.30	<0.30	<0.30	1.6	-----	<5	-----	-----	-----	-----
GMW-42	04/10/02	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	7.0	-----	-----	-----	-----
GMW-42	10/09/13	Parsons	<100	120 HD	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-42	04/14/14	Parsons	<100	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-42	10/27/14	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-42	04/22/15	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-42	04/17/17	SGI	<100	<100	<0.50	<0.50	1.6	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-42	10/03/17	SGI	<100	180	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-42	04/20/18	SGI	<100	140 J	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-42	11/08/18	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-42	04/17/19	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-42	10/29/19	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-43	11/27/96	GSI	620	<500	<0.50	<0.50	<0.50	<1	-----	-----	-----	-----	-----	-----
GMW-43	07/10/97	GTI	<50	<50	<0.50	<0.50	<1	<2	-----	-----	-----	-----	-----	-----
GMW-43	01/07/98	GTI	<500	<100	0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-43	05/21/98	BBC	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-43	11/05/98	GTI	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-43	05/27/99	GTI	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-43	11/18/99	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-43	05/17/00	IT Corporation	<300	-----	0.92	<0.30	0.45	<0.60	-----	-----	-----	-----	-----	-----
GMW-43	11/30/00	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-43	05/09/01	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-43	11/07/01	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-43	04/11/02	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-43	10/23/02	GTI	<300	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-43	04/14/03	GTI	-----	-----	<1	<1	<1	<2	-----	<3	-----	-----	-----	-----
GMW-43	10/08/03	BT for Parsons	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-43	04/21/04	BT for Parsons	-----	-----	<0.50	<1	<1	<1	-----	<1	-----	-----	-----	-----
GMW-43	11/06/04	BT for Parsons	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-43	05/10/05	BT for Parsons	-----	-----	<0.30	0.68	<0.30	<0.30	-----	<5	-----	-----	-----	-----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-43	11/08/05	BT for Parsons	-----	-----	<0.30	0.47	<0.30	0.31	-----	<5	-----	-----	-----	-----
GMW-43	05/04/06	BT for Parsons	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-43	12/08/06	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<1	-----	<5	-----	-----	-----	-----
GMW-43	05/03/07	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<1	-----	8.0	-----	-----	-----	-----
GMW-43	11/15/07	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<1	-----	<5	-----	-----	-----	-----
GMW-43	04/17/08	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<1	-----	<5	-----	-----	-----	-----
GMW-43	10/16/08	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-43	04/23/09	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	-----	<0.50	-----	<0.50	<0.50	<0.50
GMW-43	10/21/09	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-43	04/15/10	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	-----	<0.50	<10	<2	<2	<2
GMW-43	10/08/10	BT for Parsons	-----	-----	<0.50	-----	-----	-----	<0.50	<0.50	<10	-----	-----	-----
GMW-43	04/11/11	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-43	10/11/11	Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-43	04/16/12	Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	19	<2	<2	<2
GMW-43	10/16/12	Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-43	04/08/13	Parsons	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-43	10/07/13	Parsons	<100	180 HD	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-43	04/14/14	Parsons	<100	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-43	10/27/14	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-43	04/22/15	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-43	04/17/17	SGI	<100	550	<0.50	<0.50	0.98	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-43	04/18/18	SGI	<100	660	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-43	11/06/18	SGI	<100	240	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-43	04/19/19	SGI	<100	190	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-43	10/31/19	SGI	<100	300	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-44	11/27/96	GSI	820	<500	<0.50	<0.50	<0.50	<1	-----	-----	-----	-----	-----	-----
GMW-44	07/10/97	GTI	68	1,100	<0.50	<1	<1	<2	-----	-----	-----	-----	-----	-----
GMW-44	01/06/98	GTI	<500	700	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-44	05/21/98	BBC	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-44	11/05/98	GTI	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-44	05/27/99	GTI	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-44	11/18/99	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-44	05/17/00	IT Corporation	<300	-----	<0.30	<0.30	<0.30	1.9	-----	-----	-----	-----	-----	-----
GMW-44	11/30/00	IT Corporation	<300	-----	0.98	<0.30	0.95	<0.60	-----	<5	-----	-----	-----	-----
GMW-44	05/09/01	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-44	11/07/01	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-44	04/11/02	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-44	10/23/02	GTI	<300	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-44	04/14/03	GTI	-----	-----	<1	<1	<1	<2	-----	<3	-----	-----	-----	-----
GMW-44	10/08/03	BT for Parsons	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-44	04/21/04	BT for Parsons	-----	-----	<0.50	<1	<1	<1	-----	<1	-----	-----	-----	-----
GMW-44	11/04/04	BT for Parsons	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-44	05/06/05	BT for Parsons	-----	-----	0.45	0.68	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-44	11/08/05	BT for Parsons	-----	-----	<0.30	<0.30	<0.30	0.39	-----	<5	-----	-----	-----	-----
GMW-44	05/04/06	BT for Parsons	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-44	12/08/06	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<1	-----	<5	-----	-----	-----	-----
GMW-44	05/04/07	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<1	-----	8.3	-----	-----	-----	-----
GMW-44	11/15/07	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<1	-----	<5	-----	-----	-----	-----
GMW-44	04/17/08	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<1	-----	<5	-----	-----	-----	-----
GMW-44	10/16/08	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-44	04/23/09	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	<0.50	<0.50	<0.50
GMW-44	10/21/09	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-44	04/15/10	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	-----	<0.50	<10	<2	<2	<2
GMW-44	10/08/10	BT for Parsons	-----	-----	<0.50	-----	-----	-----	<0.50	<0.50	<10	-----	-----	-----
GMW-44	04/11/11	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-44	10/11/11	Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-44	04/16/12	Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	10	<2	<2	<2
GMW-44	10/16/12	Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-44	04/08/13	Parsons	-----	100 b	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-44	10/07/13	Parsons	<100	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-44	04/14/14	Parsons	<100	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-44	10/27/14	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-44	04/22/15	SGI	<100	170	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-44	10/05/16	SGI	<100	170	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-44	04/20/17	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-44	10/03/17	SGI	<100	130	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-44	04/18/18	SGI	160	130	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
DUP-3 (GMW-44)	04/18/18	SGI	<100	140	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-44	11/06/18	SGI	<100	130	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-44	04/19/19	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-44	10/29/19	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-45	11/22/96	GSI	23,000	<500	1,100	230	580	2,900	<0.50	-----	-----	-----	-----	-----
GMW-45	07/09/97	GTI	1,100	2,700	330	<5	280	-----	-----	-----	-----	-----	-----	-----
GMW-45	01/06/98	GTI	3,200	3,400	286	1.3	188	543	-----	-----	-----	-----	-----	-----
GMW-45	05/20/98	BBC	4,200	-----	270	221	109	569	-----	-----	-----	-----	-----	-----
GMW-45	11/05/98	GTI	1,400	-----	81	<0.30	40	75	-----	-----	-----	-----	-----	-----
GMW-45	05/27/99	GTI	3,750	-----	420	<0.60	180	390	-----	-----	-----	-----	-----	-----
GMW-45	11/18/99	IT Corporation	3,960	-----	380	<3	140	100	-----	-----	-----	-----	-----	-----
GMW-45	05/17/00	IT Corporation	5,200	-----	620	8.0	87	37	-----	-----	-----	-----	-----	-----
GMW-45	11/29/00	IT Corporation	2,400	-----	330	1.3	6.0	4.0	-----	<10	-----	-----	-----	-----
GMW-45	05/09/01	IT Corporation	6,500	-----	620	74	51	420	-----	<50	-----	-----	-----	-----
GMW-45	11/07/01	IT Corporation	5,700	-----	730	<3	8.5	19	-----	<50	-----	-----	-----	-----
GMW-45	04/10/02	IT Corporation	9,800	-----	900	21	69	240	-----	240	-----	-----	-----	-----
GMW-45	10/23/02	GTI	3,200	-----	770	5.5	120	290	-----	<5	-----	-----	-----	-----
GMW-45	04/10/03	GTI	-----	-----	344	11	5.6	10	-----	<6	-----	-----	-----	-----
GMW-45	10/08/03	BT for Parsons	-----	-----	470	<0.60	6.5	3.7	-----	<10	-----	-----	-----	-----
GMW-45	04/21/04	BT for Parsons	-----	-----	140	<1	2.5	<1	-----	<1	-----	-----	-----	-----
GMW-45	11/04/04	BT for Parsons	-----	-----	84	<0.30	3.0	2.9	-----	<5	-----	-----	-----	-----
GMW-45	05/05/05	BT for Parsons	-----	-----	670	17	520	720	-----	<50	-----	-----	-----	-----
GMW-45	11/05/05	BT for Parsons	-----	-----	340	0.46	130	250	-----	10	-----	-----	-----	-----
GMW-45	05/03/06	BT for Parsons	-----	-----	76	4.1	11	16	-----	<5	-----	-----	-----	-----
GMW-45	12/05/06	BT for Parsons	-----	-----	67	1.9	3.6	6.4	-----	<5	-----	-----	-----	-----
GMW-45	05/02/07	BT for Parsons	-----	-----	37	0.56	2.0	3.0	-----	11	-----	-----	-----	-----
GMW-45	11/14/07	BT for Parsons	-----	-----	42	<0.50	<0.50	<1	-----	9.6	-----	-----	-----	-----
GMW-45	04/16/08	BT for Parsons	-----	-----	21	0.52	1.4	2.9	-----	<5	-----	-----	-----	-----
GMW-45	10/15/08	BT for Parsons	-----	-----	9.7	<0.50	1.9	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-45	04/21/09	BT for Parsons	-----	-----	11	<2	<2	<2	-----	<2	-----	-----	-----	-----
GMW-45	10/21/09	BT for Parsons	-----	-----	15	<0.50	2.2	<0.50	<0.50	<0.50	11	<2	<2	<2
GMW-45	04/12/10	BT for Parsons	-----	-----	85	<0.50	2.6	0.28	-----	<0.50	11	<2	<2	<2
GMW-45	10/07/10	BT for Parsons	-----	-----	53	-----	-----	-----	<0.50	<0.50	15	-----	-----	-----
GMW-45	04/14/11	BT for Parsons	-----	-----	150	<0.50	3.6	0.94	<0.50	<0.50	<10	<2	<2	<2
GMW-45	10/11/11	Parsons	-----	-----	43	<0.33	1.8	0.29 J	<0.50	<0.50	41	<2	<2	<2
GMW-45	04/19/12	Parsons	-----	-----	28	0.24 J	1.9	0.8 J	<0.50	<0.50	28	<2	<2	<2
GMW-45	10/17/12	Parsons	-----	-----	44	<0.50	1.6	<0.50	<0.50	<0.50	20	<2	<2	<2

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-45	04/11/13	Parsons	-----	3,400 b	24	<0.50	1.4	0.59 J	<0.50	<0.50	13	<2	<2	<2
GMW-45	10/30/14	SGI	1,500	3,700	0.78	<0.50	0.52	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-45	10/10/16	SGI	2,200	4,500	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-45	05/10/19	SGI	3,500	25,000	90	2.5	42	380	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-45	11/07/19	SGI	4,300	9,400	99	3.6	49	269.6	<2.5	<6.0	<50	<10	<10	<10
GMW-47	11/27/96	GSI	9,600	<500	1,800	<25	160	660	-----	-----	-----	-----	-----	-----
GMW-47	07/09/97	GTI	420	93	350	<1	170	79	-----	-----	-----	-----	-----	-----
GMW-47	01/06/98	GTI	1,900	<100	438	11	75	253	<2.5	<2.5	-----	-----	-----	-----
GMW-47	05/20/98	BBC	<300	-----	1.0	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-47	11/05/98	GTI	1,700	-----	910	4.9	18	140	-----	-----	-----	-----	-----	-----
GMW-47	05/26/99	GTI	<300	-----	130	<0.30	0.33	3.0	-----	-----	-----	-----	-----	-----
GMW-47	11/18/99	IT Corporation	2,100	-----	1,100	0.77	5.8	27	-----	-----	-----	-----	-----	-----
GMW-47	05/17/00	IT Corporation	7,200	-----	2,300	700	200	1,100	-----	-----	-----	-----	-----	-----
GMW-47	11/29/00	IT Corporation	990	-----	280	0.59	2.2	<0.60	-----	<5	-----	-----	-----	-----
GMW-47	03/30/01	IT Corporation	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GMW-47	05/09/01	IT Corporation	7,600	-----	1,400	110	55	590	-----	16	-----	-----	-----	-----
GMW-47	11/07/01	IT Corporation	1,500	-----	410	8.2	8.7	150	-----	<50	-----	-----	-----	-----
GMW-47	04/10/02	IT Corporation	4,100	-----	710	150	9.2	360	-----	<25	-----	-----	-----	-----
GMW-47	10/23/02	GTI	4,000	-----	430	<5	26	100	<2.5	<5	-----	-----	-----	-----
GMW-47	04/09/03	GTI	-----	-----	1.4	<0.50	<0.50	<0.50	<1	<0.50	-----	-----	-----	-----
GMW-47	09/18/03	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-47	10/08/03	BT for Parsons	140	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-47	02/21/04	BT for Parsons	-----	-----	4.2	<0.50	<0.50	<0.50	---	<0.50	-----	-----	-----	-----
GMW-47	04/21/04	BT for Parsons	160	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	07/21/04	BT for Parsons	330	-----	<0.50	<0.50	<0.50	<0.50	-----	<0.50	-----	-----	-----	-----
GMW-47	11/03/04	BT for Parsons	<100	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	03/02/05	BT for Parsons	170	-----	33	<1	5.8	<1	-----	<1	-----	-----	-----	-----
GMW-47	05/05/05	BT for Parsons	420	-----	22	<0.50	6.0	18	<0.50	<0.50	<10	<2	<2	<2
GMW-47	08/04/05	BT for Parsons	<100	-----	3.4	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	11/05/05	BT for Parsons	<100	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	03/08/06	BT for Parsons	<100	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	05/03/06	BT for Parsons	<100	-----	2.3	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	07/28/06	BT for Parsons	<100	-----	0.95	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	12/05/06	BT for Parsons	<100	-----	5.4	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	03/23/07	BT for Parsons	<100	-----	11	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	05/02/07	BT for Parsons	<100	-----	4.8	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	08/31/07	BT for Parsons	<100	-----	1.8	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	11/13/07	BT for Parsons	<100	-----	0.83	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	02/07/08	BT for Parsons	<100	-----	1.7	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	04/16/08	BT for Parsons	<100	-----	1.6	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	07/29/08	BT for Parsons	<100	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	10/15/08	BT for Parsons	<100	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	02/12/09	BT for Parsons	170	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	04/20/09	BT for Parsons	180	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	07/20/09	Blaine Tech for AMEC	200	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	15	<2	<2	<2
GMW-47	10/19/09	BT for Parsons	170	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	15	<2	<2	<2
GMW-47	01/11/10	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	17	<2	<2	<2
GMW-47	04/19/10	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	13	<2	<2	<2
GMW-47	10/06/10	BT for Parsons	-----	-----	0.35 J	-----	-----	-----	<0.50	<0.50	16	-----	-----	-----
GMW-47	01/11/11	BT for Parsons	-----	-----	5.2	<0.50	0.75	<0.50	<0.50	1.2	17	<2	<2	<2
GMW-47	04/14/11	BT for Parsons	-----	-----	0.36 J	<0.50	0.27 J	<0.50	<0.50	2.6	<10	<2	<2	<2
GMW-47	07/12/11	Parsons	-----	-----	0.54	<0.50	0.58	<0.50	<0.50	3.8	32	<2	<2	<2

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-47	10/11/11	Parsons	-----	-----	0.55	<0.50	0.99	0.32 J	<0.50	6.1	46	<2	<2	<2
GMW-47	01/10/12	Parsons	-----	-----	0.63	<0.50	0.74	0.36 J	<0.50	7.9	110	<2	<2	<2
GMW-47	04/20/12	Parsons	-----	-----	0.52	<0.50	0.68	0.31 J	<0.50	5.0	310	<2	<2	<2
GMW-47	07/10/12	Parsons	-----	-----	0.15 J	<0.50	0.29 J	0.31	<0.50	6.5	250	<2	<2	<2
GMW-47	10/17/12	Parsons	-----	-----	0.46 J	<0.50	0.17 J	<0.50	<0.50	4.5	310	<2	<2	<2
GMW-47	01/15/13	Parsons	-----	580 b	<0.50	<0.50	<0.50	<0.50	<0.50	3.7	320	<2	<2	<2
GMW-47	04/11/13	Parsons	-----	1,500 b	<0.50	<0.50	<0.50	<0.50	<0.50	5.4	150	<2	<2	<2
GMW-47	10/08/13	Parsons	<100	990 HD	<0.50	<0.50	<0.50	<0.50	<0.50	4.8	490	<2	<2	<2
GMW-47	04/16/14	Parsons	<100	1,500 HD	<0.50	<0.50	<0.50	<0.50	<0.50	6.0	280	<2	<2	<2
GMW-47	10/29/14	SGI	<100	2,100	<0.50	<0.50	<0.50	<1.5	<0.50	5.8	130	<2.0	<2.0	<2.0
GMW-47	04/28/15	SGI	<100	2,100	<0.50	<0.50	<0.50	<1.5	<0.50	5.9	350	<2.0	<2.0	<2.0
GMW-47	10/26/15	SGI	<100	1,300	<0.50	<0.50	<0.50	<1.5	<0.50	4.8	31	<2.0	<2.0	<2.0
GMW-47	04/14/16	SGI	<100	450	<0.50	<0.50	<0.50	<1.5	<0.50	5.7	<10	<2.0	<2.0	<2.0
GMW-47	10/07/16	SGI	<100	2,000	<0.50	<0.50	<0.50	<1.5	<0.50	4.9	120	<2.0	<2.0	<2.0
DUP-5 (GMW-47)	10/07/16	SGI	<100	1,900	<0.50	<0.50	<0.50	<1.5	<0.50	5.1	140	<2.0	<2.0	<2.0
GMW-47	04/21/17	SGI	<100	860	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-47	10/04/17	SGI	<100	980	<0.50	<0.50	<0.50	<1.5	<0.50	8.6	410	<2.0	<2.0	<2.0
GMW-47	04/23/18	SGI	<100	890	0.61	<0.50	<0.50	<1.5	<0.50	6.5	220	<2.0	<2.0	<2.0
GMW-47	11/12/18	SGI	<100	2,400	<0.50	<0.50	<0.50	<1.5	<0.50	2.2	24	<2.0	<2.0	<2.0
GMW-47	04/22/19	SGI	<100	1,000	<0.50	<0.50	<0.50	<1.5	<0.50	2.6	<10	<2.0	<2.0	<2.0
GMW-47	05/10/19	SGI	<100	2,100	<0.50	<0.50	<0.50	<1.5	<0.50	3.2	250	<2.0	<2.0	<2.0
GMW-47	11/06/19	SGI	<100	600	<0.50	<0.50	<0.50	<1.5	<0.50	2.0	58	<2.0	<2.0	<2.0
DUP-6 (GMW-47)	11/06/19	SGI	<100	480	<0.50	<0.50	<0.50	<1.5	<0.50	2.4	69	<2.0	<2.0	<2.0
GMW-48	11/22/96	GSI	56,000	<500	10,000	1,800	1,500	6,900	0.80	-----	-----	-----	-----	-----
GMW-48	10/09/13	Parsons	1,200 HD	3,100 HD	450	0.49 J	1.3	1.5	<0.50	0.78	32	<2	<2	<2
GMW-48	04/17/14	Parsons	1,800 HD	1,900 HD	400	<1.2	1.7	1.3	<1.2	4.4	<5	<5	<5	<5
GMW-48	10/31/14	SGI	2,600	3,100	450	<0.50	2.1	<1.5	<0.50	<2.0	21	<2.0	<2.0	<2.0
GMW-48	04/29/15	SGI	1,000	2,400	300	<2.5	2.5	<5.0	<2.5	<10	<50	<10	<10	<10
GMW-48	10/26/15	SGI	1,500	1,800	170	<2.5	18	126	<2.5	<10	<50	<10	<10	<10
GMW-48	10/11/16	SGI	470	1,100	200	<1.0	<1.0	<3.0	<1.0	<2.0	<20	<4.0	<4.0	<4.0
DUP-8 (GMW-48)	10/11/16	SGI	530	1,100	200	<1.0	<1.0	<3.0	<1.0	<2.0	<20	<4.0	<4.0	<4.0
GMW-48	04/21/17	SGI	460	1,500	190	<0.50	0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-48	10/09/17	SGI	360	1,400	190	<1.0	<1.0	<3.0	<1.0	<2.0	<20	<4.0	<4.0	<4.0
DUP-7 (GMW-48)	10/09/17	SGI	360	1,600	180	<1.0	<1.0	<3.0	<1.0	<2.0	<20	<4.0	<4.0	<4.0
GMW-48	04/23/18	SGI	280	810	130	<2.5	<2.5	<5.0	<7.5	<10	<50	<10	<10	<10
GMW-48	11/15/18	SGI	150	690	1.0	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-48	04/18/19	SGI	<100	500	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-48	10/30/19	SGI	<100	450	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-50	01/10/12	Parsons	-----	-----	48	<0.50	0.24 J	2.5	<0.50	0.47 J	9.6 J	<2	<2	<2
GMW-50	04/14/16	SGI	<100	440	35	<0.50	<0.50	<1.5	<0.50	1.3	<10	<2.0	<2.0	<2.0
GMW-54	04/22/15	SGI	<100	1,800	<0.50	<0.50	<0.50	<1.5	<0.50	2.3	<10	<2.0	<2.0	<2.0
GMW-54	04/21/17	SGI	<100	850	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-56	11/05/98	GTI	<300	-----	<0.30	<0.30	16	<0.60	-----	-----	-----	-----	-----	-----
GMW-56	05/27/99	GTI	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-56	11/18/99	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-56	05/17/00	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-56	11/29/00	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-56	05/09/01	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-56	11/07/01	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-56	04/10/02	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	12	-----	-----	-----	-----
GMW-56	04/10/03	GTI	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-56	10/08/03	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-56	04/21/04	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-56	11/04/04	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-56	05/05/05	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-56	11/05/05	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-56	05/03/06	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-56	12/08/06	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-56	05/02/07	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-56	11/14/07	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-56	04/16/08	BT for Parsons	----	----	<0.50	<0.50	<0.50	0.94	<0.50	<0.50	<10	<2	<2	<2
GMW-56	10/15/08	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-56	04/21/09	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-56	10/21/09	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	4.2 J	<2	<2	<2
GMW-56	04/12/10	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-56	04/15/11	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-56	10/08/13	Parsons	<100	190 HD	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-56	04/15/14	Parsons	<100	<95	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-56	10/27/14	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-56	04/22/15	SGI	<100	<100	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-56	04/13/16	SGI	<100	<100	<0.50	<0.50	0.62	0.73	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-56	10/04/16	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-56	04/18/17	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
DUP-2 (GMW-56)	04/18/17	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-56	10/03/17	SGI	<100	120	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-56	04/17/18	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-56	11/05/18	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-56	04/16/19	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-56	10/29/19	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
DUP-2 (GMW-56)	10/29/19	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-57	11/05/98	GTI	<300	----	12	0.63	4.5	0.97	----	----	----	----	----	----
GMW-57	05/26/99	GTI	379	----	150	15	12	55	----	----	----	----	----	----
GMW-57	11/18/99	IT Corporation	4,000	----	950	240	150	750	----	----	----	----	----	----
GMW-57	05/17/00	IT Corporation	17,000	----	3,200	2,200	750	4,300	----	----	----	----	----	----
GMW-57	11/29/00	IT Corporation	11,000	----	2,300	21	340	1,800	----	<100	----	----	----	----
GMW-57	03/30/01	IT Corporation	----	----	----	----	----	----	----	----	----	----	----	----
GMW-57	05/09/01	IT Corporation	28,000	----	3,300	3,100	690	3,600	----	<50	----	----	----	----
GMW-57	11/07/01	IT Corporation	19,000	----	3,900	1,600	390	3,400	----	<500	----	----	----	----
GMW-57	04/10/02	IT Corporation	5,000	----	720	150	8.2	360	<2.5	<2.5	----	----	----	----
GMW-57	10/23/02	GTI	1,700	----	690	<0.30	3.2	5.7	----	<5	----	----	----	----
GMW-57	04/09/03	GTI	----	----	<1	<1	<1	<2	----	<3	----	----	----	----
GMW-57	09/18/03	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-57	10/11/03	BT for Parsons	200	----	47	<0.50	0.57	<0.50	<0.50	<0.50	----	----	----	----
GMW-57	02/21/04	BT for Parsons	----	----	190	<0.50	<0.50	<0.50	----	<0.50	----	----	----	----
GMW-57	04/21/04	BT for Parsons	110	----	21	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	07/21/04	BT for Parsons	340	----	48	<0.50	<0.50	<0.50	----	<0.50	270	57	54	50
GMW-57	11/03/04	BT for Parsons	120	----	22	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	03/02/05	BT for Parsons	400	----	190	<1	2.5	<1	----	<1	----	----	----	----
GMW-57	05/05/05	BT for Parsons	280	----	57	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	08/04/05	BT for Parsons	170	----	120	<0.50	0.54	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	11/05/05	BT for Parsons	120	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	03/08/06	BT for Parsons	180	----	4.8	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	05/03/06	BT for Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	07/28/06	BT for Parsons	180	----	1.8	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-57	12/05/06	BT for Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	03/23/07	BT for Parsons	120	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	05/02/07	BT for Parsons	120	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	08/31/07	BT for Parsons	110	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	11/13/07	BT for Parsons	160	----	0.72	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	02/07/08	BT for Parsons	150	----	4.0	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	04/16/08	BT for Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	07/29/08	BT for Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	10/15/08	BT for Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	02/12/09	BT for Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	04/20/09	BT for Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	07/21/09	Blaine Tech for AMEC	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	10/19/09	BT for Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	8.1 J	<2	<2	<2
GMW-57	01/11/10	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	04/12/10	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	10/06/10	BT for Parsons	----	----	<0.50	----	----	----	<0.50	<0.50	<10	----	----	----
GMW-57	01/10/11	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	04/11/11	BT for Parsons	----	----	1.4	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	07/11/11	Parsons	----	----	10	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	10/11/11	Parsons	----	----	1.6	<0.50	<0.50	0.48 J	<0.50	<0.50	<10	<2	<2	<2
GMW-57	01/09/12	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	04/17/12	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	07/09/12	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	10/16/12	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	01/14/13	Parsons	----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	04/08/13	Parsons	----	180 b	<0.50	<0.50	<0.50	<0.50	<0.50	0.54	<10	<2	<2	<2
GMW-57	10/08/13	Parsons	<100	140 HD	0.34 J	<0.50	<0.50	<0.50	<0.50	0.74	<10	<2	<2	<2
GMW-57	04/16/14	Parsons	<100	340 HD	<0.50	<0.50	<0.50	<0.50	<0.50	0.68	<10	<2	<2	<2
GMW-57	10/29/14	SGI	140	380	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-57	04/28/15	SGI	<100	310	<0.50	<0.50	<0.50	<1.0	<0.50	3.0	<10	<2.0	<2.0	<2.0
GMW-57	10/22/15	SGI	<100	440	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-57	04/13/16	SGI	<100	400	<0.50	<0.50	0.80	2.8	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-57	10/07/16	SGI	<100	570	<0.50	<0.50	<0.50	<1.5	<0.50	1.4	<10	<2.0	<2.0	<2.0
GMW-57	04/20/17	SGI	<100	670	<0.50	<0.50	<0.50	<1.5	<0.50	1.7	<10	<2.0	<2.0	<2.0
GMW-57	10/04/17	SGI	<100	380	<0.50	<0.50	<0.50	<1.5	<0.50	5.1	52	<2.0	<2.0	<2.0
GMW-57	04/17/18	SGI	<100	370	<0.50	<0.50	<0.50	<1.5	<0.50	4.8	72	<2.0	<2.0	<2.0
GMW-57	11/09/18	SGI	<100	730	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
DUPE-5 (GMW-57)	11/09/18	SGI	<100	660	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-57	04/18/19	SGI	<100	370	<0.50	<0.50	<0.50	<1.5	<0.50	3.2	69	<2.0	<2.0	<2.0
GMW-57	10/30/19	SGI	<100	460	<0.50	<0.50	<0.50	<1.5	<0.50	4.8	87	<2.0	<2.0	<2.0
GMW-58	11/04/98	GTI	2,590	----	200	210	67	280	----	----	----	----	----	----
GMW-58	05/26/99	GTI	1,360	----	310	62	42	170	----	----	----	----	----	----
GMW-58	11/18/99	IT Corporation	1,600	----	82	26	20	100	----	----	----	----	----	----
GMW-58	05/17/00	IT Corporation	21,000	----	3,500	5,900	730	3,900	----	----	----	----	----	----
GMW-58	03/02/05	BT for Parsons	5,800	----	1,700	<20	250	400	----	<20	----	----	----	----
GMW-58	05/05/05	BT for Parsons	12,000	----	410	<2.5	13	600	<2.5	<2.5	<50	<10	<10	<10
GMW-58	08/04/05	BT for Parsons	5,800	----	500	<2.5	56	124	<2.5	<2.5	<50	<10	<10	<10
GMW-58	11/05/05	BT for Parsons	6,300	----	560	<2.5	380	196	<2.5	<2.5	<50	<10	<10	<10
GMW-58	03/08/06	BT for Parsons	5,300	----	250	<2.5	140	21	<2.5	<2.5	<50	<10	<10	<10
GMW-58	05/03/06	BT for Parsons	2,900	----	260	<1	85	27	<1	<1	<20	<4	<4	<4
GMW-58	07/28/06	BT for Parsons	3,200	----	310	<1	78	23	<1	<1	<20	<4	<4	<4
GMW-58	03/23/07	BT for Parsons	1,700	----	350	<1	5.9	<1	<1	<1	<20	<4	<4	<4

APPENDIX D
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 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-58	05/02/07	BT for Parsons	2,200	----	320	<1	9.5	<1	<1	<1	<20	<4	<4	<4
GMW-58	08/31/07	BT for Parsons	3,000	----	240	<2.5	<2.5	<2.5	<2.5	<2.5	<50	<10	<10	<10
GMW-58	11/13/07	BT for Parsons	2,000	----	240	<1	7.4	<1	<1	<1	<20	<4	<4	<4
GMW-58	02/07/08	BT for Parsons	1,100	----	270	<1	1.8	<1	<1	<1	<20	<4	<4	<4
GMW-58	04/16/08	BT for Parsons	1,100	----	310	<2.5	<2.5	<2.5	8.4	<2.5	<50	<10	<10	<10
GMW-58	07/29/08	BT for Parsons	870	----	45	<0.50	<0.50	<0.50	<0.50	0.77	<10	<2	<2	<2
GMW-58	10/15/08	BT for Parsons	1,200	----	62	<0.50	0.67	0.62	<0.50	<0.50	<10	<2	<2	<2
GMW-58	02/12/09	BT for Parsons	1,000	----	36	<0.50	0.85	<0.50	<0.50	0.55	<10	<2	<2	<2
GMW-58	04/20/09	BT for Parsons	130	----	<0.50	<0.50	<0.50	<0.50	<0.50	13	<10	<2	<2	<2
GMW-58	07/20/09	Blaine Tech for AMEC	100	----	1.2	<0.50	<0.50	<0.50	<0.50	6.4	<10	<2	<2	<2
GMW-58	10/19/09	BT for Parsons	1,000	----	9.5	<0.50	0.24 J	<0.50	<0.50	1.5	6 J	<2	<2	<2
GMW-58	01/11/10	BT for Parsons	----	----	9.7	<0.50	<0.50	<0.50	<0.50	1.7	3.8 J	<2	<2	<2
GMW-58	04/19/10	BT for Parsons	----	----	12	<0.50	<0.50	<0.50	<0.50	0.81	5.7 J	<2	<2	<2
GMW-58	10/06/10	BT for Parsons	----	----	8.6	----	----	----	<0.50	<0.50	<10	----	----	----
GMW-58	01/10/11	BT for Parsons	----	----	5.8	<0.50	<0.50	<0.50	<0.50	0.46 J	<10	<2	<2	<2
GMW-58	04/13/11	BT for Parsons	----	----	94	<0.50	0.35 J	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-58	07/11/11	Parsons	----	----	31	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-58	10/11/11	Parsons	----	----	27	<0.50	<0.50	<0.50	<0.50	0.65	<10	<2	<2	<2
GMW-58	04/18/12	Parsons	----	----	28	<0.50	0.18 J	0.48 J	0.82	0.54	<10	<2	<2	<2
GMW-58	07/10/12	Parsons	----	----	27	<0.50	<0.50	<0.50	<0.50	0.46 J	18	<2	<2	<2
GMW-58	10/17/12	Parsons	----	----	18	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-58	01/15/13	Parsons	----	420 b	8.7	<0.50	<0.50	0.32	<0.50	<0.50	17	<2	<2	<2
GMW-58	04/10/13	Parsons	----	1,600 b	6.7	<0.50	<0.50	<0.50	<0.50	0.46 J	25	<2	<2	<2
GMW-58	10/08/13	Parsons	460 HD	1,200 HD	4.7	<0.50	<0.50	<0.50	<0.50	0.43 J	15	<2	<2	<2
GMW-58	04/16/14	Parsons	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	SGI	280	340	37	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-58	10/29/14	SGI	260	420	36	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-58	04/28/15	SGI	<100	410	1.1	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-58	04/15/16	SGI	<100	290	1.3	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-58	04/20/17	SGI	150	1,400	1.6	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
DUP-6 (GMW-58)	04/20/17	SGI	100	1,900	1.5	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-58	10/09/17	SGI	<100	960	21	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-58	11/07/19	SGI	390	1,400	19	<0.50	0.73	3.28	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-59	11/04/98	GTI	9,880	----	950	600	210	620	----	----	----	----	----	----
GMW-59	11/29/00	IT Corporation	67,000	----	3,500	900	750	3,600	----	<130	----	----	----	----
GMW-59	04/10/03	GTI	----	----	261	4.8	18	110	----	<3	----	----	----	----
GMW-59	10/08/03	BT for Parsons	----	----	760	<3	65	450	----	<50	----	----	----	----
GMW-59	04/21/04	BT for Parsons	----	----	590	<1	100	276	----	380	----	----	----	----
GMW-59	11/03/04	BT for Parsons	----	----	95	<0.60	15	18	----	<10	----	----	----	----
GMW-59	03/02/05	BT for Parsons	4,200	----	400	<5	130	22	----	35	----	----	----	----
GMW-59	05/05/05	BT for Parsons	11,000	----	170	<0.50	60	7.8	<0.50	11	<10	<2	<2	<2
GMW-59	08/04/05	BT for Parsons	6,400	----	140	<1	56	6.6	<1	<1	<20	<4	<4	<4
GMW-59	11/05/05	BT for Parsons	9,500	----	270	<0.50	26	2.2	<0.50	<0.50	<10	<2	<2	<2
GMW-59	03/08/06	BT for Parsons	4,600	----	260	<1	7.4	<1	<1	<1	<20	<4	<4	<4
GMW-59	05/03/06	BT for Parsons	9,900	----	210	<1	4.0	<1	<1	<1	<20	<4	<4	<4
GMW-59	07/28/06	BT for Parsons	3,200	----	540	<1	3.1	<1	<1	4.8	<20	<4	<4	<4
GMW-59	12/05/06	BT for Parsons	----	----	800	4.3	5.2	11	----	<10	----	----	----	----
GMW-59	03/23/07	BT for Parsons	8,200	----	840	<2.5	<2.5	<2.5	<2.5	<2.5	<50	<10	<10	<10
GMW-59	05/02/07	BT for Parsons	4,800	----	1,100	<2.5	<2.5	<2.5	<2.5	<2.5	<50	<10	<10	<10
GMW-59	08/31/07	BT for Parsons	4,800	----	720	<2.5	<2.5	<2.5	<2.5	<2.5	<50	<10	<10	<10
GMW-59	11/13/07	BT for Parsons	4,700	----	660	<5	<5	<5	<5	<5	<100	<20	<20	<20
GMW-59	02/07/08	BT for Parsons	3,200	----	490	<2.5	3.8	<2.5	<2.5	2.7	<50	<10	<10	<10

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-59	04/16/08	BT for Parsons	3,600	----	580	<2.5	3.5	<2.5	15	3.7	<50	<10	<10	<10
GMW-59	07/29/08	BT for Parsons	2,300	----	580	<2.5	<2.5	<2.5	<2.5	3.3	<50	<10	<10	<10
GMW-59	10/15/08	BT for Parsons	2,500	----	830	<2.5	<2.5	<2.5	<2.5	5.5	<50	<10	<10	<10
GMW-59	02/12/09	BT for Parsons	2,500	----	650	<2.5	<2.5	<2.5	<2.5	3.2	<50	<10	<10	<10
GMW-59	04/20/09	BT for Parsons	8,500	----	610	<2.5	<2.5	<2.5	<2.5	2.7	<50	<10	<10	<10
GMW-59	07/20/09	Blaine Tech for AMEC	6,700	----	520	<2.5	<2.5	<2.5	<2.5	3.5	<50	<10	<10	<10
GMW-59	10/21/09	BT for Parsons	2,600	----	1,700	<2.5	1.4 J	<2.5	<2.5	16	18 J	<10	<10	<10
GMW-59	01/11/10	BT for Parsons	----	----	2,200	<10	<10	<10	<10	17	<200	<40	<40	<40
GMW-59	04/19/10	BT for Parsons	2,900	----	570	<0.50	1.9	<0.50	<0.50	2.3	<2	<2	<2	<2
GMW-59	10/06/10	BT for Parsons	850	----	87	----	----	----	<0.50	3.5	17	----	----	----
GMW-59	01/11/11	BT for Parsons	2,500	----	1,100	<0.50	1.1	<0.50	<0.50	8.8	23	<2	<2	<2
GMW-59	04/14/11	BT for Parsons	10,000	----	130	<0.50	0.85	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-59	07/12/11	Parsons	1,400	----	14	<0.50	0.43 J	<0.50	<0.50	<0.50	8 J	<2	<2	<2
GMW-59	10/11/11	Parsons	<1,800	----	130	<0.24	0.78	<0.50	<0.50	2.1	13	<2	<2	<2
GMW-59	01/10/12	Parsons	2,800	----	340	0.54 J	0.54	<0.50	<0.50	5.2	16	<2	<2	<2
GMW-59	04/20/12	Parsons	3,100	----	870	0.27 J	0.85	0.24 J	<0.50	8.4	36	<2	<2	<2
GMW-59	07/10/12	Parsons	----	----	1,100	<5	1.5 J	<5	<5	9.7	<100	<20	<20	<20
GMW-59	10/19/12	Parsons	3,400 HD	----	1,000	<5	1.8 J	<5	<5	7.8	<100	<20	<20	<20
GMW-59	01/15/13	Parsons	2,400	1,500 b	670	<2.5	1.6 J	<2.5	<2.5	7.4	<50	<10	<10	<10
GMW-59	04/12/13	Parsons	2,500 HD	8,200	680	<2.5	2.2 J	<2.5	<2.5	6.6	<50	<10	<10	<10
GMW-59	10/09/13	Parsons	1,400 HD	3,100 HD	240	<0.50	0.76	<0.50	<0.50	5.1	<10	<2	<2	<2
GMW-59	04/18/14	Parsons	5,600 HD	7,700 HD	170	<0.50	1.5	0.99	<0.50	3.5	14	<2	<2	<2
GMW-59	11/03/14	SGI	1,500	2,000	300	<0.50	0.93	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-59	04/29/15	SGI	910	1,600	150	<2.5	<2.5	<2.5	<2.5	<10	<50	<10	<10	<10
GMW-59	10/26/15	SGI	3,000	2,600	180	<5.0	34	241	<5.0	<20	<100	<20	<20	<20
GMW-59	04/14/16	SGI	640	3,300	87	<0.50	<0.50	<1.5	<0.50	1.0	<10	<2.0	<2.0	<2.0
DUP-7 (GMW 59)	04/14/16	SGI	530	3,300	86	<0.50	<0.50	<1.5	<0.50	1.0	<10	<2.0	<2.0	<2.0
GMW-59	10/11/16	SGI	470	1,800	110	<1.0	<1.0	<3.0	<1.0	<2.0	<20	<4.0	<4.0	<4.0
GMW-59	04/21/17	SGI	400	1,300	130	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
DUP-7 (GMW-59)	04/21/17	SGI	300	660	84	<0.50	0.68	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-59	10/09/17	SGI	210	960	17	<1.0	<1.0	<3.0	<1.0	<2.0	<20	<4.0	<4.0	<4.0
GMW-59	04/23/18	SGI	<100	770	0.81	<0.50	<0.50	0.50	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-59	11/09/18	SGI	<100	100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-59	04/18/19	SGI	<100	340	1.0	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-59	10/30/19	SGI	<100	480	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-60	07/21/04	BT for Parsons	15,000	---	1,700	160	710	2,050	----	<0.50	----	----	----	----
GMW-60	11/03/04	BT for Parsons	12,000	---	1,700	70	900	1,780	<5	<5	<100	<20	<20	<20
GMW-60	03/02/05	BT for Parsons	8,300	---	1,300	<20	860	2,040	----	<20	----	----	----	----
GMW-60	05/05/05	BT for Parsons	9,400	---	1,100	<5	790	1,740	<5	<5	<100	<20	<20	<20
GMW-60	08/04/05	BT for Parsons	6,200	---	1,000	<5	680	1,070	<5	<5	<100	<20	<20	<20
GMW-60	11/05/05	BT for Parsons	7,200	---	970	<5	710	1,130	<5	<5	<100	<20	<20	<20
GMW-60	03/08/06	BT for Parsons	5,900	---	680	<5	640	800	<5	<5	<100	<20	<20	<20
GMW-60	05/03/06	BT for Parsons	3,900	---	770	<5	230	235	<5	<5	<100	<20	<20	<20
GMW-60	07/28/06	BT for Parsons	4,600	---	850	<5	170	102	<5	<5	<100	<20	<20	<20
GMW-60	12/05/06	BT for Parsons	4,100	---	660	<5	130	92	<5	<5	<100	<20	<20	<20
GMW-60	03/23/07	BT for Parsons	3,500	---	490	<2.5	87	80	<2.5	<2.5	<50	<10	<10	<10
GMW-60	05/02/07	BT for Parsons	2,800	---	300	<2.5	18	23	<2.5	<2.5	<50	<10	<10	<10
GMW-60	08/31/07	BT for Parsons	2,000	---	250	<2.5	18	5.9	<2.5	<2.5	<50	<10	<10	<10
GMW-60	11/13/07	BT for Parsons	1,500	---	180	<0.50	21	4.3	<0.50	<0.50	<10	<2	<2	<2
GMW-60	02/07/08	BT for Parsons	1,700	---	270	0.80	65	48	<0.50	<0.50	<10	<2	<2	<2
GMW-60	04/16/08	BT for Parsons	1,400	---	160	<1	24	<1	<1	<1	<20	<4	<4	<4
GMW-60	07/29/08	BT for Parsons	2,000	---	240	<1	3.9	<1	<1	<1	<20	<4	<4	<4

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 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-60	10/15/08	BT for Parsons	1,400	----	220	<1	2.7	<1	<1	<1	<20	<4	<4	<4
GMW-60	02/12/09	BT for Parsons	1,600	----	200	<1	2.5	<1	<1	<1	<20	<4	<4	<4
GMW-60	04/20/09	BT for Parsons	3,500	----	800	<5	7.9	<5	<5	<5	<100	<20	<20	<20
GMW-60	07/20/09	Blaine Tech for AMEC	3,200	----	940	<5	11	<5	<5	<5	<100	<20	<20	<20
GMW-60	10/19/09	BT for Parsons	2,600	----	800	<5	8.8	<5	<5	<5	<100	<20	<20	<20
GMW-60	01/11/10	BT for Parsons	-----	----	940	<5	12	<5	<5	<1	<100	<20	<20	<20
GMW-60	04/13/10	BT for Parsons	1,900	----	580	<0.50	8.7	0.26	<0.50	<0.50	<10	<2	<2	<2
GMW-60	10/06/10	BT for Parsons	560	----	770	----	-----	-----	<0.50	<0.50	<10	-----	-----	-----
GMW-60	01/11/11	BT for Parsons	3,200	----	870	<0.50	12	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-60	04/15/11	BT for Parsons	2,100	----	590	<0.50	9.8	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-60	07/12/11	Parsons	2,200	----	560	<0.50	10	0.27 J	<0.50	<0.50	8.8 J	<2	<2	<2
GMW-60	10/11/11	Parsons	2,300	----	510	<0.50	9.1	0.38 J	<0.50	<0.50	<10	<2	<2	<2
GMW-60	01/10/12	Parsons	2,100	----	210	0.3 J	7.3	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-60	04/20/12	Parsons	1,200	----	13	<0.50	3.1	0.36 J	<0.50	<0.50	14	<2	<2	<2
GMW-60	07/10/12	Parsons	-----	----	5.1	<0.50	0.70	0.24	<0.50	<0.50	69	<2	<2	<2
GMW-60	10/17/12	Parsons	630 b	----	1.5	<0.50	0.4 J	<0.50	<0.50	<0.50	280	<2	<2	<2
GMW-60	01/15/13	Parsons	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	Parsons	1,000 b	3,200 b	61	<0.50	1.6	0.73 J	<0.50	<0.50	460	<2	<2	<2
GMW-60	10/09/13	Parsons	920 HD	2,300 HD	25	<0.50	0.70	0.59	<0.50	<0.50	800	<2	<2	<2
GMW-60	04/17/14	Parsons	650	2,700 HD	11	<1	0.3 J	<1	<1	<1	1,200	<4	<4	<4
GMW-60	10/30/14	SGI	470	1,500	8.6	<0.50	<0.50	<1.5	<0.50	<2.0	680	<2.0	<2.0	<2.0
GMW-60	10/30/14	SGI	500	1,800	7.1	<0.50	<0.50	<1.5	<0.50	<2.0	780	<2.0	<2.0	<2.0
GMW-60	04/28/15	SGI	330	2,000	3.1	<0.50	<0.50	<1.0	<0.50	<2.0	1,600	<2.0	<2.0	<2.0
GMW-60	10/26/15	SGI	<100	870	0.98	<0.50	<0.50	<1.5	<0.50	<2.0	43	<2.0	<2.0	<2.0
GMW-60	04/13/16	SGI	110	100	5.1	<0.50	0.69	2.6	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-60	10/07/16	SGI	<100	870	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-60	04/20/17	SGI	220	1,200	26	<0.50	2.4	<1.5	<0.50	<1.0	55	<2.0	<2.0	<2.0
GMW-60	10/09/17	SGI	<100	430	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-60	04/17/18	SGI	<100	210	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
DUP-2 (GMW-60)	04/17/18	SGI	<100	230	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-60	11/09/18	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-60	04/16/19	SGI	<100	260	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-60	10/30/19	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-61	07/21/04	BT for Parsons	19,000	----	2,400	1,700	1,000	4,000	-----	<0.50	-----	-----	-----	-----
GMW-61	11/03/04	BT for Parsons	23,000	----	2,500	2,200	1,200	5,000	<5	<5	<100	<20	<20	<20
GMW-61	03/02/05	BT for Parsons	20,000	----	2,700	1,900	1,100	5,900	-----	<20	-----	-----	-----	-----
GMW-61	05/05/05	BT for Parsons	11,000	----	2,000	310	840	2,500	<10	<10	<200	<40	<40	<40
GMW-61	08/04/05	BT for Parsons	11,000	----	1,900	740	740	3,500	<10	<10	<200	<40	<40	<40
GMW-61	11/05/05	BT for Parsons	16,000	----	2,600	480	1,100	4,900	<10	<10	<200	<40	<40	<40
GMW-61	03/08/06	BT for Parsons	11,000	----	2,100	280	1,000	2,700	<10	<10	<200	<40	<40	<40
GMW-61	05/03/06	BT for Parsons	9,600	----	1,900	89	810	2,030	<10	<10	<200	<40	<40	<40
GMW-61	07/28/06	BT for Parsons	7,200	----	1,400	20	460	1,290	<10	<10	<200	<40	<40	<40
GMW-61	12/05/06	BT for Parsons	7,900	----	1,500	19	330	2,050	<5	<5	<100	<20	<20	<20
GMW-61	03/23/07	BT for Parsons	7,500	----	1,200	16	220	1,340	<5	<5	<100	<20	<20	<20
GMW-61	05/02/07	BT for Parsons	11,000	----	1,600	27	290	2,090	<5	<5	<100	<20	<20	<20
GMW-61	08/31/07	BT for Parsons	9,200	----	1,500	17	190	1,170	<0.50	<0.50	<10	<2	<2	<2
GMW-61	11/13/07	BT for Parsons	2,300	----	580	6.3	99	360	<5	<5	<100	<20	<20	<20
GMW-61	02/07/08	BT for Parsons	2,600	----	330	8.6	70	363	<2.5	<2.5	<50	<10	<10	<10
GMW-61	04/16/08	BT for Parsons	2,000	----	480	5.0	64	399	<2.5	<2.5	<50	<10	<10	<10
GMW-61	07/29/08	BT for Parsons	1,500	----	400	<2.5	28	129	<2.5	<2.5	<50	<10	<10	<10
GMW-61	10/15/08	BT for Parsons	1,300	----	450	<2.5	34	150	<2.5	<2.5	<50	<10	<10	<10
GMW-61	02/12/09	BT for Parsons	1,100	----	340	<2.5	13	57	<2.5	<2.5	<50	<10	<10	<10

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-61	04/20/09	BT for Parsons	1,100	-----	490	<2.5	<2.5	<2.5	<2.5	<2.5	<50	<10	<10	<10
GMW-61	07/20/09	Blaine Tech for AMEC	760	-----	350	<2.5	<2.5	<2.5	<2.5	<2.5	<50	<10	<10	<10
GMW-61	10/19/09	BT for Parsons	620	-----	320	<2.5	1.2 J	<2.5	<2.5	<2.5	<50	<10	<10	<10
GMW-61	01/11/10	BT for Parsons	-----	-----	190	<1	0.99 J	<1	<1	<1	<20	<4	<4	<4
GMW-61	04/15/10	BT for Parsons	740	-----	380	<0.50	1.7	<0.50	<0.50	<0.50	3.7 J	<2	<2	<2
GMW-61	10/06/10	BT for Parsons	1,200	-----	100	-----	-----	<0.50	<0.50	<0.50	<10	-----	-----	-----
GMW-61	01/10/11	BT for Parsons	800	-----	190	<0.50	1.8	0.48	<0.50	<0.50	<10	<2	<2	<2
GMW-61	04/14/11	BT for Parsons	790	-----	110	<0.50	1.2	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-61	07/12/11	Parsons	230	-----	6.4	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-61	10/11/11	Parsons	140	-----	<0.50	<0.70	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-61	01/10/12	Parsons	210	-----	0.15 J	1.1	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-61	04/19/12	Parsons	190	-----	9.1	0.63	0.2 J	0.33 J	<0.50	<0.50	27	<2	<2	<2
GMW-61	07/10/12	Parsons	-----	-----	110	0.29 J	0.87	0.28	<0.50	<0.50	14	<2	<2	<2
GMW-61	10/19/12	Parsons	1500 b	-----	290	0.87	2.5	0.63	<0.50	<0.50	<10	<2	<2	<2
GMW-61	01/15/13	Parsons	130	140 b	2.7	<0.50	<0.50	<0.50	<0.50	<0.50	69	<2	<2	<2
GMW-61	04/11/13	Parsons	<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	Parsons	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	Parsons	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	SGI	120	200	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	110	<2.0	<2.0	<2.0
GMW-61	04/28/15	SGI	130	260	12	<0.50	<0.50	<1.5	<0.50	<2.0	130	<2.0	<2.0	<2.0
GMW-61	04/14/16	SGI	<100	330	0.65	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-61	10/07/16	SGI	<100	390	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-61	04/20/17	SGI	140	1,200	18	<0.50	<0.50	5.6	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-61	10/09/17	SGI	<100	1,000	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-61	04/23/18	SGI	<100	440	0.61	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-61	11/09/18	SGI	<100	610	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-61	04/18/19	SGI	<100	210	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
DUPE (GMW-61)	04/18/19	SGI	<100	240	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-61	11/06/19	SGI	<100	340	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-62	11/14/07	BT for Parsons	4,200	-----	1,400	85	160	92	<5	<5	<100	<20	<20	<20
GMW-62	02/07/08	BT for Parsons	4,100	-----	2,100	190	450	610	<5	<5	<100	<20	<20	<2.0
GMW-62	04/17/08	BT for Parsons	1,000	-----	430	15	50	24	<5	<5	<100	<20	<20	<20
GMW-62	07/29/08	BT for Parsons	2,400	-----	1,300	33	160	109	<2.5	<2.5	<50	<10	<10	<10
GMW-62	10/15/08	BT for Parsons	2,800	-----	1,700	19	220	161	<5	<5	<100	<20	<20	<20
GMW-62	02/12/09	BT for Parsons	3,600	-----	1,800	5.1	150	164	<5	<5	<100	<20	<20	<20
GMW-62	04/23/09	BT for Parsons	1,500	-----	370	<2.5	25	5.2	<2.5	<2.5	<50	<10	<10	<10
GMW-62	07/21/09	Blaine Tech for AMEC	1,800	-----	1,200	<2.5	67	36	<2.5	<2.5	<50	<10	<10	<10
GMW-62	10/21/09	BT for Parsons	2,200	-----	1,700	<2.5	43	13	<2.5	<2.5	<50	<10	<10	<10
GMW-62	01/12/10	BT for Parsons	-----	-----	3,900	<10	22	30	100	<1	<200	<40	<40	<40
GMW-62	04/14/10	BT for Parsons	2,400	-----	1,600	0.60	26	45	<0.50	<0.50	<10	<2	<2	<2
GMW-62	10/05/10	BT for Parsons	6,700	-----	1,200	-----	-----	-----	<0.50	<0.50	<10	-----	-----	-----
GMW-62	11/05/18	SGI	8,400	2,600	1,500	<10	12	908	<10	<20	<200	<40	<40	<40
GMW-62	04/15/19	SGI	17,000	3,100	2,700	<5.0	660	2,100	<5.0	<10	<100	<20	<20	<20
GMW-62	10/28/19	SGI	1,500	7,800	14	<1.0	<1.0	25.2	<1.0	<2.4	<20	<4.0	<4.0	<4.0
DUP-1 (GMW-62)	10/28/19	SGI	2,100	12,000	12	<1.0	<1.0	25.1	<1.0	<2.4	<20	<4.0	<4.0	<4.0
GMW-63	10/15/08	BT for Parsons	<100	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	02/12/09	BT for Parsons	<100	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	04/23/09	BT for Parsons	<100	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	07/21/09	Blaine Tech for AMEC	<100	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	10/22/09	BT for Parsons	<100	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	01/12/10	BT for Parsons	-----	-----	0.39 J	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	04/14/10	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-63	10/05/10	BT for Parsons	-----	-----	<0.50	-----	-----	-----	<0.50	<0.50	<10	-----	-----	-----
GMW-63	01/10/11	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	04/12/11	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	07/11/11	Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	10/12/11	Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	01/09/12	Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	04/17/12	Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	07/09/12	Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	10/17/12	Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	01/14/13	Parsons	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	04/09/13	Parsons	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	10/07/13	Parsons	<100	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	04/15/14	Parsons	<100	<95	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	12/17/14	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-63	04/20/15	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-63	10/21/15	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-63	04/11/16	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-63	10/03/16	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-63	04/17/17	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-63	10/02/17	SGI	<100	170	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-63	10/25/17	SGI	-----	440	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GMW-63	04/16/18	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-63	11/05/18	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-63	04/15/19	TSGS	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-63	10/28/19	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-64	10/15/08	BT for Parsons	<100	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	02/12/09	BT for Parsons	<100	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	04/23/09	BT for Parsons	<100	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	07/21/09	Blaine Tech for AMEC	<100	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	10/21/09	BT for Parsons	<100	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	01/12/10	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	04/14/10	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	10/05/10	BT for Parsons	-----	-----	<0.50	-----	-----	-----	<0.50	<0.50	<10	-----	-----	-----
GMW-64	01/10/11	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	04/12/11	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	07/11/11	Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	10/12/11	Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	01/09/12	Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	04/17/12	Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	07/09/12	Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	10/17/12	Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	01/14/13	Parsons	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	04/09/13	Parsons	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	10/07/13	Parsons	<100	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	04/15/14	Parsons	<100	<95	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	12/17/14	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-64	04/20/15	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-64	10/21/15	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-64	04/11/16	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-64	10/03/16	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-64	04/17/17	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-64	10/02/17	SGI	<100	220	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-64	10/25/17	SGI	-----	620	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GMW-64	04/16/18	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-64	11/05/18	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-64	04/15/19	SGI	<100	140	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-64	10/28/19	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-65	10/22/09	BT for Parsons	<100	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-65	01/12/10	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-65	04/14/10	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-65	10/05/10	BT for Parsons	-----	-----	0.32 J	-----	-----	-----	<0.50	<0.50	<10	-----	-----	-----
GMW-65	01/10/11	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-65	04/13/11	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-65	07/11/11	Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-65	10/12/11	Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-65	01/09/12	Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-65	04/18/12	Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-65	07/09/12	Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-65	10/17/12	Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-65	01/14/13	Parsons	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-65	04/09/13	Parsons	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-65	10/07/13	Parsons	<100	210 HD	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-65	04/15/14	Parsons	<100	<95	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-65	12/17/14	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-65	04/20/15	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-65	10/21/15	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-65	04/11/16	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-65	10/03/16	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-65	04/17/17	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-65	10/02/17	SGI	<100	100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-65	10/25/17	SGI	-----	320	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GMW-65	04/16/18	SGI	<100	110	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-65	11/05/18	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-65	04/15/19	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-65	10/28/19	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-66	10/22/09	BT for Parsons	<100	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-66	04/19/10	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-66	10/06/10	BT for Parsons	-----	-----	<0.50	-----	-----	-----	<0.50	<0.50	<10	-----	-----	-----
GMW-66	04/12/11	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-66	10/12/11	Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-66	04/17/12	Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-66	10/17/12	Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-66	04/08/13	Parsons	-----	130 b	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-66	10/07/13	Parsons	<100	150 HD	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-66	04/15/14	Parsons	<100	96 HD	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-66	10/27/14	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-66R	04/13/16	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-66R	10/04/16	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-66R	04/18/17	SGI	<100	120	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-66R	10/04/17	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-66R	04/17/18	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-66R	11/05/18	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
DUPE-1 (GMW-66R)	11/05/18	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-66R	04/16/19	SGI	<100	190	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
DUPE (GMW-66R)	04/16/19	SGI	<100	120	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-66R	10/29/19	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-67	07/21/15	SGI	550	<100	21	<0.50	34	74	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-67	10/21/15	SGI	900	140	71	<0.50	110	82	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-67	10/21/15	SGI	970	120	66	<0.50	100	77	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-67	04/13/16	SGI	310	<100	22	<0.50	73	6.8	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-67	10/03/16	SGI	<100	<100	4.2	<0.50	0.96	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-67	04/17/17	SGI	<100	<100	2.5	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-67	10/02/17	SGI	<100	520	2.6	<0.50	0.70	0.51	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-67	04/16/18	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
DUP-1 (GMW-67)	04/16/18	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-67	11/05/18	SGI	<100	<100	0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-67	04/15/19	SGI	<100	230	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
DUPE (GMW-67)	04/15/19	SGI	<100	200	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-67	10/28/19	SGI	150	<100	0.75	<0.50	3.6	1.3	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-68	07/22/15	SGI	27,000	100	2,400	56	990	5,200	<10	<40	<200	<40	<40	<40
GMW-68	10/21/15	SGI	17,000	810	2,200	46	800	3,700	<10	<40	<200	<40	<40	<40
GMW-68	04/11/16	SGI	15,000	810	2,300	17	1,200	4,700	<10	<20	<200	<40	<40	<40
GMW-69	07/21/15	SGI	10,000	<100	500	14	550	1,570	<5.0	<20	<100	<20	<20	<20
GMW-69	10/21/15	SGI	2,900	330	350	<5.0	400	380	<5.0	<20	<100	<20	<20	<20
GMW-69	04/11/16	SGI	2,400	350	230	<2.5	390	360	<2.5	<5.0	<50	<10	<10	<10
DUP-1 (GMW 69)	04/11/16	SGI	2,900	340	260	1.3	390	360	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-69	10/03/16	SGI	1,600	210	240	<2.5	290	188	<2.5	<5.0	<50	<10	<10	<10
GMW-69	04/17/17	SGI	740	150	84	<1.0	140	16	<1.0	<2.0	<20	<4.0	<4.0	<4.0
GMW-69	10/02/17	SGI	2,100	380	220	<1.0	210	118	<1.0	<2.0	<20	<4.0	<4.0	<4.0
DUP-1 (GMW-69)	10/02/17	SGI	2,300	340	250	<2.5	250	118	<2.5	<5.0	<50	<10	<10	<10
GMW-69	10/25/17	SGI	-----	830	870	4.8	950	1,000	<2.5	<5.0	<50	<10	<10	<10
GMW-69	04/16/18	SGI	3,600	530	370	<5.0	300	93	<5.0	<10	<100	<20	<20	<20
GMW-69	11/05/18	SGI	1,300	720	190	<5.0	<5.0	<15	<5.0	<10	<100	<20	<20	<20
GMW-69	04/15/19	SGI	130	230	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-69	10/28/19	SGI	710	180	58	<0.50	33	22	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-O-1	11/21/96	Terra Services	-----	-----	<0.50	<0.50	<0.50	<1.5	0.53	<5	-----	-----	-----	-----
GMW-O-1	07/09/97	Terra Services	<100	<500	<0.50	<0.50	<0.50	<1	0.85	<5	-----	-----	-----	-----
GMW-O-1	01/06/98	Terra Services	<100	<500	<0.50	<0.50	<0.50	<1.5	<0.50	<5	-----	-----	-----	-----
GMW-O-1	05/20/98	Terra Services	<300	-----	<0.50	<0.50	<0.50	<1	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	08/24/98	Geomatrix	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	11/04/98	Alton Geoscience	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	02/02/99	Alton Geoscience	<500	<500	<0.50	<0.50	<0.50	<1	<1	<0.50	-----	-----	-----	-----
GMW-O-1	08/10/99	Alton Geoscience	<500	<1,000	<0.50	<1	<1	<1	<0.50	<1	-----	-----	-----	-----
GMW-O-1	11/17/99	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	02/29/00	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	05/17/00	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	08/29/00	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	0.50	<0.50	-----	-----	-----	-----
GMW-O-1	11/28/00	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	02/05/01	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	05/10/01	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	09/19/01	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	11/06/01	Secor	<300	-----	11	<0.50	0.70	0.60	0.50	<0.50	-----	-----	-----	-----
GMW-O-1	01/30/02	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	04/09/02	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	07/30/02	IT Corporation	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	10/24/02	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-O-1	01/28/03	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-1	04/08/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-1	07/30/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-1	10/08/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-1	01/29/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-1	04/20/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-1	07/20/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-1	11/04/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-1	02/03/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-1	05/04/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	1.1	<0.50	----	----	----	----
GMW-O-1	08/03/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-1	11/01/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-1	02/28/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-1	05/05/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-1	09/20/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-1	12/08/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-1	03/12/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-1	05/04/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-1	08/28/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-1	11/14/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-1	02/20/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-1	04/18/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-1	08/13/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-1	10/17/08	Stantec	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-1	02/23/09	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	----	----	----
GMW-O-1	04/21/09	Blaine Tech for AMEC	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	07/20/09	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	10/20/09	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	03/15/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	05/25/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	07/12/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	10/05/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	01/11/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	04/12/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	07/11/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	10/10/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	01/09/12	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	04/17/12	CH2M Hill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	07/10/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	10/16/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	01/14/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	04/09/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	10/09/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	04/15/14	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	10/29/14	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-1	04/21/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-1	10/21/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-1	04/12/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-1	10/04/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-1	04/20/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-1	10/04/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-1	04/18/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-O-1	11/08/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-1	04/18/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	11/01/19	BT for Jacobs	<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	Terra Services	-----	-----	<0.50	<0.50	<0.50	<1.5	12	<5	-----	-----	-----	-----
GMW-O-2	07/09/97	Terra Services	<100	<500	<0.50	0.50	<0.50	<1	<0.50	<5	-----	-----	-----	-----
GMW-O-2	01/07/98	Terra Services	<100	<500	<0.50	<0.50	<0.50	<1.5	13	<5	-----	-----	-----	-----
GMW-O-2	05/20/98	Terra Services	<300	-----	<0.50	<0.50	<0.50	<1	14	<0.50	-----	-----	-----	-----
GMW-O-2	11/11/98	Alton Geoscience	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	05/05/99	Alton Geoscience	<500	<500	<0.50	<0.50	<0.50	<0.50	<1	<0.50	-----	-----	-----	-----
GMW-O-2	11/16/99	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	05/17/00	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	1.7	<0.50	-----	-----	-----	-----
GMW-O-2	11/28/00	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	0.60	<0.50	-----	-----	-----	-----
GMW-O-2	05/10/01	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	11	<0.50	-----	-----	-----	-----
GMW-O-2	11/06/01	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	0.60	<0.50	-----	-----	-----	-----
GMW-O-2	04/09/02	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	07/30/02	IT Corporation	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	10/24/02	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	01/15/03	Geomatrix	<300	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GMW-O-2	01/28/03	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	4.1	<0.50	-----	-----	-----	-----
GMW-O-2	04/08/03	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	1.0	<0.50	-----	-----	-----	-----
GMW-O-2	07/30/03	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	10/08/03	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	01/29/04	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	04/20/04	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	07/20/04	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	11/04/04	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	02/03/05	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	05/04/05	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	5.0	<0.50	-----	-----	-----	-----
GMW-O-2	08/03/05	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	11/01/05	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	02/28/06	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	05/05/06	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	09/20/06	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	12/08/06	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	03/12/07	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	05/03/07	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	08/28/07	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	11/14/07	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	02/20/08	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	04/18/08	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	08/13/08	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	10/16/08	Stantec	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	02/23/09	Blaine Tech	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	-----	-----	-----
GMW-O-2	04/22/09	Blaine Tech for AMEC	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	07/21/09	Blaine Tech	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	10/20/09	Blaine Tech	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	03/16/10	Blaine Tech	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	05/25/10	Blaine Tech	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	07/13/10	Blaine Tech	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	10/05/10	Blaine Tech	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	01/11/11	Blaine Tech	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	04/12/11	Blaine Tech	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-O-2	07/12/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	10/10/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	01/09/12	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	04/17/12	CH2M Hill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	07/10/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	10/16/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	01/14/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	04/09/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	10/09/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	04/16/14	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	10/29/14	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-2	04/21/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-2	10/21/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-2	04/12/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-2	10/04/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-2	04/20/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-2	10/04/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-2	04/18/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	11/07/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-2	04/17/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	10/30/19	BT for Jacobs	<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	Terra Services	----	----	2,900	1,000	1,200	1,950	<10	260	----	----	----	----
GMW-O-3	07/14/97	Terra Services	14,000	1,300	1,500	410	700	1,200	<10	<100	----	----	----	----
GMW-O-3	01/09/98	Terra Services	3,200	720	930	55	390	599	38	<50	----	----	----	----
GMW-O-3	05/26/98	Terra Services	5,400	----	850	20	170	140	<5	<5	----	----	----	----
GMW-O-3	08/26/98	Geomatrix	3,290	----	329	31	140	300	<2.5	<2.5	----	----	----	----
GMW-O-3	11/17/98	Alton Geoscience	4,800	----	1,500	<100	350	400	<100	<100	----	----	----	----
GMW-O-3	02/03/99	Alton Geoscience	3,800	<500	250	<2.5	34	17	<5	<2.5	----	----	----	----
GMW-O-3	05/07/99	Alton Geoscience	2,900	<500	170	1.2	3.4	5.3	<1	<0.50	----	----	----	----
GMW-O-3	08/10/99	Alton Geoscience	<500	<1,000	56	1.6	2.3	<1	1.2	<1	----	----	----	----
GMW-O-3	11/17/99	Secor	340	----	15	0.50	1.9	1.9	<0.50	<0.50	----	----	----	----
GMW-O-3	02/29/00	Secor	<300	----	12	<0.50	1.2	1.1	<0.50	<0.50	----	----	----	----
GMW-O-3	05/17/00	Secor	1,800	----	290	32	33	180	<0.50	<0.50	----	----	----	----
GMW-O-3	08/29/00	Secor	580	----	130	2.5	13	23	<0.50	<0.50	----	----	----	----
GMW-O-3	11/28/00	Secor	1,500	----	350	13	43	93	<0.50	<0.50	----	----	----	----
GMW-O-3	02/05/01	Secor	1,800	----	420	26	40	55	<10	<10	----	----	----	----
GMW-O-3	05/10/01	Secor	2,000	----	380	4.5	32	42	<2.5	<2.5	----	----	----	----
GMW-O-3	09/19/01	Secor	840	----	230	<2.5	17	11	<2.5	<2.5	----	----	----	----
GMW-O-3	11/07/01	IT Corporation	520	----	120	<2.5	7.2	6.0	<2.5	<2.5	----	----	----	----
GMW-O-3	01/30/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-3	04/09/02	Secor	1,200	----	260	2.6	13	9.8	<0.50	<0.50	----	----	----	----
GMW-O-3	07/30/02	IT Corporation	380	----	150	1.6	5.1	4.6	<0.50	<0.50	----	----	----	----
GMW-O-3	10/24/02	Secor	310	----	79	0.65	1.9	1.2	<0.50	<0.50	----	----	----	----
GMW-O-3	01/15/03	Geomatrix	<300	----	----	----	----	----	----	----	----	----	----	----
GMW-O-3	01/28/03	Secor	550	----	140	3.0	9.1	14	<0.50	<0.50	----	----	----	----
GMW-O-3	04/08/03	Secor	660	----	170	1.6	9.2	<1	<2	<1	----	----	----	----
GMW-O-3	07/30/03	Secor	830	----	200	2.0	18	8.2	<3	<1.5	----	----	----	----
GMW-O-3	10/08/03	Secor	660	----	96	0.74	9.6	1.4	<1	<0.50	----	----	----	----
GMW-O-3	01/29/04	Secor	850	----	120	0.63	3.0	0.72	<1	<0.50	----	----	----	----
GMW-O-3	04/20/04	Secor	<50	----	65	<0.50	<0.50	0.56	<0.50	<0.50	----	----	----	----
GMW-O-3	07/20/04	Secor	370	----	29	<0.50	1.4	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-3	11/04/04	Secor	850	----	71	<0.50	2.7	<0.50	<1	<0.50	----	----	----	----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-O-3	02/03/05	Secor	210	----	16	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-3	05/04/05	Secor	380	----	32	0.67	2.1	4.6	<0.50	<0.50	----	----	----	----
GMW-O-3	08/03/05	Secor	1,000	----	4.4	1.1	110	<1	<2	<1	----	----	----	----
GMW-O-3	11/01/05	Secor	1,300	----	35	2.3	67	50	<1	<0.50	----	----	----	----
GMW-O-3	02/28/06	Secor	640	----	26	<0.50	7.1	6.0	<0.50	<0.50	----	----	----	----
GMW-O-3	05/04/06	Secor	400	----	19	<0.50	0.71	1.2	<0.50	<0.50	----	----	----	----
GMW-O-3	09/19/06	Secor	110	----	0.71	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-3	12/08/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-3	03/13/07	Secor	51	----	<0.50	<0.50	1.1	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-3	05/03/07	Secor	72	----	<0.50	<0.50	0.64	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-3	08/28/07	Secor	65	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-3	11/14/07	Secor	170	----	3.1	<0.50	9.7	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-3	02/07/08	Secor	96	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-3	04/15/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-3	08/14/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-3	10/16/08	Stantec	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-3	02/23/09	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	----	----	----
GMW-O-3	04/21/09	Blaine Tech for AMEC	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	07/21/09	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	10/20/09	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	03/15/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	05/25/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	07/12/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	10/05/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	01/11/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	04/12/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	07/11/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	10/10/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	01/09/12	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	04/17/12	CH2M Hill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	07/10/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	10/16/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	01/15/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	04/09/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	10/09/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	04/16/14	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	10/29/14	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-3	04/22/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-3	10/21/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-3	04/12/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-3	10/05/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-3	04/20/17	BT for CH2MHill	260	<50	1.3	<0.50	1.9	2.6	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-3	10/04/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-3	04/18/18	BT for Jacobs	110	110	<0.50	<0.50	2.6	6.3	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	11/07/18	BT for Jacobs	450	<50	2.2	3.0	25	100	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-3	04/17/19	BT for Jacobs	140	<50	<0.50	<0.50	2.3	6.9	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	10/30/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-4	11/22/96	Terra Services	----	----	<0.50	<0.50	<0.50	<1.5	<0.50	<5	----	----	----	----
GMW-O-4	07/09/97	Terra Services	<100	<500	<0.50	1.9	<0.50	<1	<0.50	<5	----	----	----	----
GMW-O-4	01/02/98	Terra Services	<100	<500	<0.50	<0.50	<0.50	<1.5	<0.50	<5	----	----	----	----
GMW-O-4	05/21/98	Terra Services	----	----	<0.50	<0.50	<0.50	<1	<0.50	0.70	----	----	----	----
GMW-O-4	11/12/98	Alton Geoscience	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-O-4	05/06/99	Alton Geoscience	<500	<500	<0.50	<0.50	<0.50	<0.50	<1	<0.50	----	----	----	----
GMW-O-4	11/16/99	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-4	11/17/99	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-4	05/17/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-4	11/29/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-4	05/10/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-4	11/07/01	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-4	04/09/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-4	10/24/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-4	04/09/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-4	10/08/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-4	04/20/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-4	11/04/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-4	05/04/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-4	11/01/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-4	05/04/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-4	12/07/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-4	05/03/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-4	11/15/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-4	04/15/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-4	10/15/08	Stantec	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-4	04/21/09	Blaine Tech for AMEC	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4	10/20/09	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4	05/25/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4	10/05/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4	04/12/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4	10/11/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4	04/17/12	CH2M Hill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4	10/16/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4	04/09/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4	10/09/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4	04/16/14	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4	10/29/14	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-4	04/22/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-4	10/21/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-4	04/13/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-4	10/05/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-4	04/20/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-4	10/04/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-4	04/18/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4	11/07/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-4	04/18/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4	10/30/19	BT for Jacobs	<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	Terra Services	----	----	<0.50	<0.50	<0.50	<1.5	<0.50	<5	----	----	----	----
GMW-O-4 (MID)	07/09/97	Terra Services	<100	<500	<0.50	0.99	<0.50	<0.10	<0.50	<5	----	----	----	----
GMW-O-4 (MID)	01/02/98	Terra Services	<100	<500	<0.50	<0.50	<0.50	<1.5	<0.50	<5	----	----	----	----
GMW-O-4 (MID)	05/21/98	Terra Services	<300	----	----	----	----	----	----	----	----	----	----	----
GMW-O-4 (MID)	11/04/98	Alton Geoscience	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-4 (MID)	05/06/99	Alton Geoscience	----	----	----	----	----	----	----	<0.50	----	----	----	----
GMW-O-4 (MID)	05/06/99	Alton Geoscience	<500	<500	----	----	----	----	<1	----	----	----	----	----
GMW-O-4 (MID)	05/17/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-4 (MID)	11/28/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-O-4 (MID)	05/10/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-4 (MID)	11/07/01	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-4 (MID)	04/09/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-4 (MID)	10/24/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-4 (MID)	04/09/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-4 (MID)	10/08/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-4 (MID)	04/20/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-4 (MID)	11/04/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-4 (MID)	05/04/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-4 (MID)	11/01/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-4 (MID)	05/04/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-4 (MID)	12/07/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-4 (MID)	05/03/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-4 (MID)	11/15/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-4 (MID)	04/15/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-4 (MID)	10/15/08	Stantec	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-4 (MID)	04/21/09	Blaine Tech for AMEC	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4 (MID)	10/20/09	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4 (MID)	05/25/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4 (MID)	10/05/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4 (MID)	04/12/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4 (MID)	10/11/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4 (MID)	04/17/12	CH2M Hill	<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	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-5	11/22/96	Terra Services	----	----	11	5.7	9.2	32	<0.50	<5	----	----	----	----
GMW-O-5	07/09/97	Terra Services	<100	<500	<0.50	1.9	<0.50	<1	<0.50	<5	----	----	----	----
GMW-O-5	01/07/98	Terra Services	<100	<500	<0.50	<0.50	<0.50	<1.5	<0.50	15	----	----	----	----
GMW-O-5	05/21/98	Terra Services	----	----	<0.50	<0.50	<0.50	<1	<0.50	<0.50	----	----	----	----
GMW-O-5	08/24/98	Geomatrix	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-5	11/04/98	Alton Geoscience	----	----	----	----	----	----	----	----	----	----	----	----
GMW-O-5	11/04/98	Alton Geoscience	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-5	02/03/99	Alton Geoscience	<500	<500	<0.50	<0.50	<0.50	<1	<1	<0.50	----	----	----	----
GMW-O-5	05/05/99	Alton Geoscience	<500	<500	<0.50	<0.50	<0.50	<0.50	<1	<0.50	----	----	----	----
GMW-O-5	08/10/99	Alton Geoscience	<500	<1,000	2.3	4.4	<1	2.9	<0.50	<1	----	----	----	----
GMW-O-5	11/16/99	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-5	02/29/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-5	05/17/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-5	08/29/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-5	11/28/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-5	02/05/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-5	05/10/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-5	09/19/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-5	11/07/01	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-5	01/30/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-5	04/09/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-5	10/24/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-5	01/15/03	Geomatrix	<300	----	----	----	----	----	----	----	----	----	----	----
GMW-O-5	04/09/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-5	10/09/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-5	04/21/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-5	11/04/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-5	05/04/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-O-5	11/01/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-5	05/05/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-5	12/07/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-5	05/03/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-5	11/15/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-5	04/18/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-5	10/15/08	Stantec	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-5	04/21/09	Blaine Tech for AMEC	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-5	10/20/09	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-5	05/25/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-5	10/04/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-5	04/12/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-5	10/11/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-5	04/18/12	CH2M Hill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-5	10/16/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-5	04/09/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-5	10/09/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-5	04/16/14	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-5	10/29/14	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-5	04/22/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-5	10/21/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-5	04/13/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-5	10/04/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-5	04/20/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-5	10/04/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-5	04/18/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-5	11/07/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-5	04/17/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-5	10/30/19	BT for Jacobs	<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	Terra Services	----	----	<0.50	<0.50	<0.50	<1.5	<0.50	<5	----	----	----	----
GMW-O-6	07/09/97	Terra Services	<100	<500	<0.50	0.90	<0.50	<1	<0.50	<5	----	----	----	----
GMW-O-6	01/02/98	Terra Services	<100	<500	<0.50	<0.50	<0.50	<1	<0.50	<5	----	----	----	----
GMW-O-6	05/21/98	Terra Services	----	----	<0.50	<0.50	<0.50	<1	<0.50	<0.50	----	----	----	----
GMW-O-6	11/04/98	Alton Geoscience	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-6	05/05/99	Alton Geoscience	<500	<500	<0.50	<0.50	<0.50	<0.50	<1	<0.50	----	----	----	----
GMW-O-6	11/17/99	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-6	05/17/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-6	11/28/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	1.9	----	----	----	----
GMW-O-6	05/10/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-6	11/07/01	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-6	04/09/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-6	10/24/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-6	10/09/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-6	05/04/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-6	05/05/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-6	05/04/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-6	04/18/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-6	04/21/09	Blaine Tech for AMEC	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-6	05/26/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-6	04/12/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-6	04/17/12	CH2M Hill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-7	05/07/99	Alton Geoscience	<500	<500	<0.50	<0.50	<0.50	<0.50	<1	<0.50	----	----	----	----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-O-8	10/24/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	1.5	2.4	----	----	----	----
GMW-O-8	01/16/03	Geomatrix	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-8	04/08/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-8	10/08/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-8	04/20/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-8	11/04/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-8	05/04/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-8	11/01/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-8	05/04/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-8	12/08/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-8	05/04/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-8	11/14/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-8	04/18/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-8	10/16/08	Stantec	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-8	04/22/09	Blaine Tech for AMEC	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-8	10/21/09	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-8	05/25/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-8	10/05/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-8	04/12/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-8	10/11/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-8	04/18/12	CH2M Hill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-8	10/16/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-9	11/22/96	Terra Services	----	----	<0.50	<0.50	<0.50	<1.5	46	<5	----	----	----	----
GMW-O-9	07/10/97	Terra Services	<100	<500	<0.50	3.6	<0.50	<1	<0.50	<5	----	----	----	----
GMW-O-9	01/07/98	Terra Services	<100	<500	<0.50	<0.50	<0.50	<1.5	<0.50	<5	----	----	----	----
GMW-O-9	05/21/98	Terra Services	----	----	<0.50	<0.50	<0.50	<0.60	12	<0.50	----	----	----	----
GMW-O-9	11/16/98	Alton Geoscience	<300	----	3.0	7.0	1.0	6.0	5.8	<0.50	----	----	----	----
GMW-O-9	05/05/99	Alton Geoscience	<500	<500	<0.50	<0.50	<0.50	<0.50	<1	<0.50	----	----	----	----
GMW-O-9	11/17/99	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	17	<0.50	----	----	----	----
GMW-O-9	05/17/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	72	<0.50	----	----	----	----
GMW-O-9	11/29/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	53	<0.50	----	----	----	----
GMW-O-9	05/10/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	87	<0.50	----	----	----	----
GMW-O-9	11/07/01	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	53	<0.50	----	----	----	----
GMW-O-9	04/09/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-9	10/24/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	35	<0.50	----	----	----	----
GMW-O-9	04/09/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	50	<0.50	----	----	----	----
GMW-O-9	10/09/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	35	<0.50	----	----	----	----
GMW-O-9	04/20/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	15	<0.50	----	----	----	----
GMW-O-9	11/04/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	9.9	<0.50	----	----	----	----
GMW-O-9	05/06/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	61	<0.50	----	----	----	----
GMW-O-9	11/02/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-9	05/05/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	1.8	<0.50	----	----	----	----
GMW-O-9	12/07/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	2.5	<0.50	----	----	----	----
GMW-O-9	05/04/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-9	11/14/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	5.9	<0.50	----	----	----	----
GMW-O-9	04/18/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-9	10/17/08	Stantec	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-9	04/22/09	Blaine Tech for AMEC	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-9	10/20/09	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-9	05/26/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-9	10/05/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-9	04/12/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-O-9	10/11/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-9	04/17/12	CH2M Hill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-9	10/16/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-9	04/09/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-9	10/10/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-9	04/16/14	CHHL	<50	<50	1.2	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-9	10/29/14	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-9	04/22/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-9	10/22/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-9	04/13/16	BT for CH2MHill	<50	59	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-9	10/05/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-9	04/20/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-9	10/04/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	3.3	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-9	04/18/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-9	11/07/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-9	04/18/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-9	11/01/19	BT for Jacobs	<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	Terra Services	----	----	450	18	37	22	81	1,300	----	----	----	----
GMW-O-10	07/14/97	Terra Services	17,000	900	4,200	2,800	650	1,600	<30	890	----	----	----	----
GMW-O-10	01/09/98	Terra Services	25,000	12,000	3,900	2,800	510	1,470	<10	1,200	----	----	----	----
GMW-O-10	05/27/98	Terra Services	<300	----	1.0	<0.50	<0.50	0.80	<0.50	1.0	----	----	----	----
GMW-O-10	11/16/98	Alton Geoscience	6,840	----	2,900	540	320	310	<13	2,000	----	----	----	----
GMW-O-10	05/07/99	Alton Geoscience	<500	<500	6.2	<0.50	0.61	<0.50	<1	0.64	----	----	----	----
GMW-O-10	11/16/99	Secor	32,000	----	8,300	5,700	860	2,640	<25	2,600	----	----	----	----
GMW-O-10	05/17/00	Secor	18,000	----	4,500	3,300	450	1,420	<25	1,300	----	----	----	----
GMW-O-10	11/29/00	Secor	18,000	----	4,200	2,900	430	1,260	<25	1,400	----	----	----	----
GMW-O-10	05/10/01	Secor	7,900	----	2,400	810	150	280	<10	950	----	----	----	----
GMW-O-10	11/07/01	IT Corporation	8,100	----	1,200	120	<10	540	<10	1,100	----	----	----	----
GMW-O-10	04/11/02	Secor	960	----	190	18	5.1	157	10	610	----	----	----	----
GMW-O-10	10/24/02	Secor	2,000	----	270	27	<5	60	<5	290	----	----	----	----
GMW-O-10	04/10/03	Secor	13,000	----	3,600	370	460	780	<50	520	----	----	----	----
GMW-O-10	08/01/03	Secor	5,800	----	2,600	220	320	460	20	580	----	----	----	----
GMW-O-10	10/08/03	Secor	4,900	----	1,500	240	160	275	24	460	----	----	----	----
GMW-O-10	04/21/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-10	11/04/04	Secor	8,900	----	3,900	85	400	409	<30	590	----	----	----	----
GMW-O-10	05/06/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-10	11/02/05	Secor	52	----	19	0.50	<0.50	<0.50	1.0	10	----	----	----	----
GMW-O-10	05/05/06	Secor	12,000	----	4,100	1,800	380	640	<50	160	----	----	----	----
GMW-O-10	12/07/06	Secor	8,900	----	4,000	470	320	310	<50	190	----	----	----	----
GMW-O-10	05/04/07	Secor	3,800	----	1,600	10	<10	120	<20	160	----	----	----	----
GMW-O-10	11/14/07	Secor	12,000	----	5,100	54	340	325	<50	190	----	----	----	----
GMW-O-10	04/18/08	Secor	1,300	----	680	<5	14	11	<10	23	----	----	----	----
GMW-O-10	08/14/08	Secor	1,600	----	820	5.3	31	42	<10	<5	----	----	----	----
GMW-O-10	10/21/08	Stantec	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.58	----	----	----	----
GMW-O-10	04/22/09	Blaine Tech for AMEC	180	----	37	<0.50	<0.50	<0.50	<0.50	1.2	<10	<1	<1	<1
GMW-O-10	10/22/09	Blaine Tech	99	----	6.9	<0.50	<0.50	<0.50	<0.50	0.77	<10	<1	<1	<1
GMW-O-10	05/27/10	Blaine Tech	370	----	77	1.2	<0.50	<0.50	<1	0.87	<10	<1	<1	<1
GMW-O-10	10/07/10	Blaine Tech	380	----	42	1.2	0.51	<0.50	<0.50	0.79	<10	<1	<1	<1
GMW-O-10	04/13/11	Blaine Tech	270	----	39	1.0	<0.50	<0.50	<0.50	0.77	<10	<1	<1	<1
GMW-O-10	10/13/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-10	04/19/12	CH2M Hill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-10	10/19/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-O-10	04/11/13	CHHL	110	<50	0.54	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-10	10/11/13	CHHL	75	64	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-10	04/17/14	CHHL	140	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-10	10/30/14	BT for CH2MHill	110	51	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-10	10/30/14	BT for CH2MHill	<100	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-10	04/23/15	BT for CH2MHill	160	150	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-10	04/23/15	BT for CH2MHill	110	160	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-10	10/26/15	BT for CH2MHill	160	180 HD	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-10	10/26/15	BT for CH2MHill	170	110 HD	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-10	04/14/16	BT for CH2MHill	910	89	430	12	16	<2.5	<5	<2.5	<50	<5	<5	<5
DUP-5 (GMW O 10)	04/14/16	BT for CH2MHill	890	78	420	12	16	<2.5	<5	<2.5	<50	<5	<5	<5
GMW-O-10	10/04/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
DUP-2 (GMW-O-10)	10/04/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-10	04/21/17	BT for CH2MHill	<50	52	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-10	10/04/17	BT for CH2MHill	73	<50	28	<0.50	<0.50	<0.50	<0.50	6.3	<10	<1.0	<1.0	<1.0
GMW-O-10	04/18/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	8.8	<0.50	<10	<1	<1	<1
GMW-O-10	11/07/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	1.0	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-10	04/19/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	7.0	<0.50	<10	<1	<1	<1
GMW-O-10	11/01/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	11	<0.50	<10	1.2	<1.0	<1.0
GMW-O-11	10/04/10	Blaine Tech	10,000	----	4,200	220	89	170	<30	160	560	32	<30	<30
GMW-O-12	10/05/10	Blaine Tech	23,000	----	12,000	<50	<50	<50	<100	71	<1,000	<100	<100	<100
GMW-O-12	04/14/11	Blaine Tech	16,000	----	7,300	<25	<25	<25	<50	25	<500	<50	<50	<50
GMW-O-12	10/13/11	CH2M Hill	20,000	----	11,000	<100	<100	<100	<200	<100	<2,000	<200	<200	<200
GMW-O-12	04/20/12	CH2M Hill	29,000	260,000	12,000	<50	<50	<50	<100	<50	<1,000	<100	<100	<100
GMW-O-12	10/19/12	CHHL	12,000	120,000	4,700	<25	<25	<25	<50	<25	<500	<50	<50	<50
GMW-O-12	04/12/13	CHHL	34,000	160,000	13,000	<100	<100	<100	<200	<100	<2,000	<200	<200	<200
GMW-O-12	10/11/13	CHHL	30,000	73,000	13,000	<63	<63	<63	<130	<63	<1,300	<130	<130	<130
GMW-O-14	11/27/96	Terra Services	88,000	74,000	4,500	3,200	520	2,600	440	<300	----	----	----	----
GMW-O-14	07/17/97	Terra Services	160,000	610,000	7,600	4,900	2,200	43,000	<500	<5,000	----	----	----	----
GMW-O-14	01/09/98	Terra Services	33,000	780,000	7,200	4,500	510	2,300	<30	<300	----	----	----	----
GMW-O-14	05/27/98	Terra Services	3,500	----	330	<2.5	80	88	<2.5	<0.50	----	----	----	----
GMW-O-14	11/17/98	Alton Geoscience	3,850	----	5,000	3,840	1,040	4,510	<100	<100	----	----	----	----
GMW-O-14	11/17/98	Alton Geoscience	----	----	----	----	----	----	----	----	----	----	----	----
GMW-O-14	05/07/99	Alton Geoscience	23,000	54,000	5,100	3,400	650	2,800	<50	<20	----	----	----	----
GMW-O-14	11/18/99	Secor	26,000	----	5,900	4,100	780	2,500	<50	<50	----	----	----	----
GMW-O-14	05/17/00	Secor	10,000	----	2,300	630	370	820	<50	<100	----	----	----	----
GMW-O-14	11/29/00	Secor	42,000	----	8,800	5,000	1,200	4,400	<50	<50	----	----	----	----
GMW-O-14	05/10/01	Secor	5,200	----	100	34	96	237	<1	<1	----	----	----	----
GMW-O-14	11/07/01	IT Corporation	15,000	----	3,900	890	640	1,280	<1	<2	----	----	----	----
GMW-O-14	04/09/02	Secor	38,000	----	7,400	2,700	990	3,200	<13	24	----	----	----	----
GMW-O-14	07/30/02	IT Corporation	11,000	----	4,900	2,300	550	1,890	<13	14	----	----	----	----
GMW-O-14	10/24/02	Secor	26,000	----	7,100	3,500	970	3,500	<25	<25	----	----	----	----
GMW-O-14	01/28/03	Secor	39,000	----	12,000	8,400	1,500	5,600	<25	38	----	----	----	----
GMW-O-14	03/12/03	Geomatrix	1,500	----	760	72	66	115	<2.5	14	----	----	----	----
GMW-O-14	04/09/03	Secor	33,000	----	5,100	2,900	990	3,300	<40	<20	----	----	----	----
GMW-O-14	07/30/03	Secor	20,000	----	3,100	1,900	790	3,200	74	<15	----	----	----	----
GMW-O-14	10/09/03	Secor	43,000	----	8,700	4,200	1,300	5,300	180	<50	----	----	----	----
GMW-O-14	01/29/04	Secor	55,000	----	13,000	6,900	1,400	5,600	240	<50	----	----	----	----
GMW-O-14	04/20/04	Secor	54,000	----	11,000	5,700	1,500	6,100	170	<50	----	----	----	----
GMW-O-14	07/20/04	Secor	72,000	----	13,000	8,200	1,700	7,400	200	<50	----	----	----	----
GMW-O-14	11/04/04	Secor	41,000	----	9,000	7,000	1,300	5,500	<200	<100	----	----	----	----
GMW-O-14	02/03/05	Secor	34,000	----	8,600	2,300	950	3,100	69	34	----	----	----	----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-O-14	05/04/05	Secor	420	----	11	1.6	18	19	6.5	<0.50	----	----	----	----
GMW-O-14	08/03/05	Secor	15,000	----	160	600	290	1,840	<10	<5	----	----	----	----
GMW-O-14	11/02/05	Secor	14,000	----	320	350	160	2,690	<40	<20	----	----	----	----
GMW-O-14	02/28/06	Secor	8,200	----	860	87	18	1,020	15	<5	----	----	----	----
GMW-O-14	05/05/06	Secor	6,700	----	1,500	77	<10	450	35	<10	----	----	----	----
GMW-O-14	09/20/06	Secor	6,900	----	1,400	250	39	640	30	<10	----	----	----	----
GMW-O-14	12/07/06	Secor	9,000	----	1,400	150	27	501	36	<10	----	----	----	----
GMW-O-14	03/12/07	Secor	4,700	----	1,000	180	26	400	23	<5	----	----	----	----
GMW-O-14	05/04/07	Secor	8,200	----	1,700	330	48	570	44	<10	----	----	----	----
GMW-O-14	08/28/07	Secor	12,000	----	75	110	200	1,000	<5	<2.5	----	----	----	----
GMW-O-14	11/15/07	Secor	16,000	----	320	300	520	2,470	<20	<10	----	----	----	----
GMW-O-14	02/20/08	Secor	35,000	----	7,900	1,900	1,200	3,400	<100	<50	----	----	----	----
GMW-O-14	04/15/08	Secor	26,000	----	4,900	1,800	840	2,800	59	<25	----	----	----	----
GMW-O-14	08/14/08	Secor	25,000	----	4,300	1,100	730	2,800	70	<25	----	----	----	----
GMW-O-14	10/16/08	Stantec	21,000	----	3,200	940	500	3,000	30	<15	----	----	----	----
GMW-O-14	02/23/09	Blaine Tech	30,000	----	6,100	3,500	1,200	3,900	77	<25	<500	----	----	----
GMW-O-14	04/22/09	Blaine Tech for AMEC	36,000	----	9,300	2,300	1,300	3,500	120	<50	<1,000	170	<100	<100
GMW-O-14	07/22/09	Blaine Tech	32,000	----	7,800	1,900	1,500	4,100	86	<25	<500	130	<50	<50
GMW-O-14	10/23/09	Blaine Tech	40,000	----	14,000	1,900	1,500	3,500	<200	<100	<2,000	<200	<200	<200
GMW-O-14	03/16/10	Blaine Tech	57,000	----	14,000	6,200	1,700	4,700	<200	<100	<2,000	310	<200	<200
GMW-O-14	05/28/10	Blaine Tech	26,000	----	7,900	1,500	370	2,180	110	<25	<500	180	<50	<50
GMW-O-14	07/14/10	Blaine Tech	22,000	----	7,900	420	77	1,500	100	<50	<1,000	130	<100	<100
GMW-O-14	10/07/10	Blaine Tech	16,000	----	5,900	200	220	680	<100	<50	<1,000	<100	<100	<100
GMW-O-14	01/11/11	Blaine Tech	49,000	----	12,000	5,500	1,400	2,700	120	<50	<1,000	190	<100	<100
GMW-O-14	04/13/11	Blaine Tech	26,000	----	8,200	470	680	2,300	<100	<50	<1,000	160	<100	<100
GMW-O-14	07/12/11	CH2M Hill	12,000	----	3,800	50	<25	1,800	<50	<25	<500	<50	<50	<50
GMW-O-14	10/12/11	CH2M Hill	16,000	----	4,000	55	<25	2,500	<50	<25	<500	<50	<50	<50
GMW-O-14	01/09/12	CH2M Hill	38,000	----	9,000	2,200	1,200	4,300	<200	<100	<2,000	<200	<200	<200
GMW-O-14	04/20/12	CH2M Hill	47,000	2,500	11,000	1,100	1,500	5,000	<100	<50	<1,000	170	<100	<100
GMW-O-14	07/10/12	CHHL	48,000	390	12,000	3,500	1,200	3,700	<100	<50	<1,000	270	<100	<100
GMW-O-14	10/18/12	CHHL	15,000	2,700	2,600	1,100	520	1,800	<50	<25	<500	70	<50	<50
GMW-O-14	01/15/13	CHHL	7,700	8,300	1,200	72	420	1,300	<20	<10	<200	25	<20	<20
GMW-O-14	04/11/13	CHHL	27,000	3,700	6,900	200	1,800	2,300	61	<25	<500	180	<50	<50
GMW-O-14	10/11/13	CHHL	54,000	3,000	14,000	760	2,200	3,000	<130	64	<1,300	260	<130	<130
GMW-O-14	04/16/14	CHHL	32,000	1,900	9,700	130	1,500	1,500	<200	<100	<2,000	<200	<200	<200
GMW-O-14	10/31/14	BT for CH2MHill	19,000	1,300	6,600	50	730	350	<50	<25	<500	200	<50	<50
GMW-O-14	10/31/14	BT for CH2MHill	25,000	1,600	6,200	110	710	710	<50	<25	<500	200	<50	<50
GMW-O-14	04/23/15	BT for CH2MHill	15,000	1,100	6,900	59	530	92	<50	26	2,000	220	<50	<50
GMW-O-14	04/23/15	BT for CH2MHill	12,000	870	5,500	47	420	71	<50	<25	<500	180	<50	<50
GMW-O-14	10/26/15	BT for CH2MHill	24,000	890 HD	12,000	<100	570	<100	<200	<100	<2,000	220	<200	<200
GMW-O-14	10/26/15	BT for CH2MHill	25,000	820 HD	12,000	<100	560	<100	<200	<100	<2,000	220	<200	<200
GMW-O-14	04/15/16	BT for CH2MHill	3,200	930	1,300	<10	<10	<10	<20	13	<200	100	<20	<20
DUP-6 (GMW O 14)	04/15/16	BT for CH2MHill	3,400	720	1,400	<10	<10	<10	<20	13	<200	110	<20	<20
GMW-O-14	10/07/16	BT for CH2MHill	30,000	640	12,000	72	390	290	<100	<50	<1,000	220	<100	<100
DUP-7 (GMW-O-14)	10/07/16	BT for CH2MHill	32,000	530	12,000	85	470	330	<100	<50	<1,000	230	<100	<100
GMW-O-14	04/21/17	BT for CH2MHill	250	620	0.59	<0.50	0.82	2.4	3.7	3.5	15	30	<1.0	<1.0
DUP-7 (GMW-O-14)	04/21/17	BT for CH2MHill	330	680	1.2	<0.50	1.0	2.9	4.5	4.6	19	40	<1.0	1.9
GMW-O-14	10/06/17	BT for CH2MHill	13,000	2,300	5,700	140	190	150	<50	<25	<500	190	<50	<50
DUP-7 (GMW-O-14)	10/06/17	BT for CH2MHill	13,000	2,400	5,700	150	190	150	<50	<25	<500	190	<50	<50
GMW-O-14	04/20/18	BT for Jacobs	1,400	1,900	640	<4	<4	4.1	<8	11	<80	130	<8	<8
DUP (GMW-O-14)	04/20/18	BT for Jacobs	1,500	1,700	650	<4	<4	<4	<8	11	<80	140	<8	<8
GMW-O-14	11/09/18	BT for Jacobs	8,600	620	5,100	<40	<40	<40	<80	<40	<800	150	<80	<80

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
DUP-7 (GMW-O-14)	11/09/18	BT for Jacobs	<8,000	680	4,200	<40	<40	<40	<80	<40	<800	140	<80	<80
GMW-O-14	04/18/19	BT for Jacobs	1,000 J	290	310 J	<1	2.1 J	<1	3 J	6.1	46	73	<2	<2
DUPE (GMW-O-14)	04/18/19	BT for Jacobs	620 J	310	210 J	<1	1 J	<1	2.2 J	5.8	49	64	<2	<2
GMW-O-14	11/01/19	BT for Jacobs	28,000	1,300	13,000	88	520	500	<100	<50	<1,000	190	<100	<100
DUP-7 (GMW-O-14)	11/01/19	BT for Jacobs	28,000	1,200	13,000	97	560	500	<100	<50	<1,000	190	<100	<100
GMW-O-15	10/16/08	Stantec	1,700	-----	550	3.0	37	34	<5	110	-----	-----	-----	-----
GMW-O-15	03/16/10	Blaine Tech	530	-----	10	1.1	0.64	2.7	<0.50	400	<10	<1	<1	<1
GMW-O-15	04/16/10	Blaine Tech	6,700	-----	1,700	54	120	176	<10	1,300	1,800	<10	<10	11
GMW-O-15	05/25/10	Blaine Tech	650	-----	82	16	8.4	44	<2	180	1,500	<2	<2	<2
GMW-O-15	07/13/10	Blaine Tech	580	-----	110	7.5	11	27	<1	300	5,100	<1	<1	1.5
GMW-O-15	08/12/10	Blaine Tech	710	-----	120	4.1	10	34	<1	260	5,300	<1	<1	1.5
GMW-O-15	09/20/10	Blaine Tech	620	-----	120	3.3	13	24	<1	230	6,000	<1	<1	1.4
GMW-O-15	10/05/10	Blaine Tech	14,000	-----	1,800	280	92	760	<20	3,200	3,000	<20	<20	35
GMW-O-15	12/22/10	Blaine Tech	28,000	-----	3,900	610	850	3,000	<40	1,900	1,300	<40	<40	<40
GMW-O-15	01/12/11	Blaine Tech	12,000	-----	1,300	49	280	700	<20	430	12,000	<20	<20	<20
GMW-O-15	02/24/11	Blaine Tech	12,000	-----	700	450	310	1,300	<10	970	4,100	<10	<10	20
GMW-O-15	03/23/11	Blaine Tech	2,400	-----	210	47	39	190	<2	310	3,600	<2	<2	5.2
GMW-O-15	04/29/11	Blaine Tech	1,200	-----	250	27	27	154	<2	350	3,900	<2	<2	2.4
GMW-O-15	05/13/11	Blaine Tech	1,300	-----	200	18	22	127	<2	350	6,600	<2	<2	3.6
GMW-O-15	06/22/11	Blaine Tech	1,800	-----	190	95	34	220	<1	310	6,800	<1	<1	1.8
GMW-O-15	07/12/11	CH2M Hill	1,000	-----	150	17	14	97	<2	220	6,400	<2	<2	2.2
GMW-O-15	08/19/11	CH2M Hill	33,000	-----	820	2,200	610	4,400	<50	290	9,200	<50	<50	<50
GMW-O-15	09/22/11	CH2M Hill	3,400	-----	480	290	58	320	<5	640	6,800	<5	<5	10
GMW-O-15	10/13/11	CH2M Hill	3,900	-----	530	290	73	460	<10	220	3,200	<10	<10	<10
GMW-O-15	12/21/11	CH2M Hill	520	-----	110	1.5	5.7	22	<2	79	5,300	<2	<2	<2
GMW-O-15	01/10/12	CH2M Hill	470	-----	110	1.3	6.9	15	<1	86	4,300	<1	<1	1.2
GMW-O-15	02/23/12	CH2M HILL	4,800	-----	340	390	85	600	<5	110	4,000	<5	<5	17
GMW-O-15	03/28/12	CH2M HILL	1,300	120	230	68	13	110	<2	99	4,600	<2	<2	<2
GMW-O-15	04/27/12	CH2M Hill	2,100	1,300	180	67	16	160	<1	49	4,300	<1	<1	1.0
GMW-O-15	05/25/12	CH2M HILL	110,000	24,000	320	270	420	3,400	<100	190	<1,000	<100	<100	100
GMW-O-15	07/11/12	CHHL	17,000	13,000	6,700	63	120	270	<100	1,500	1,600	<100	<100	<100
GMW-O-15	08/29/12	CHHL	190	89	73	1.2	3.3	8.1	<0.50	22	5,300	<1	<1	<1
GMW-O-15	09/26/12	CHHL	220	<50	53	0.74	3.7	7.3	<0.50	17	2,900	<1	<1	<1
GMW-O-15	10/18/12	CHHL	210	140	50	<0.50	3.3	5.9	<1	13	2,600	<1	<1	<1
GMW-O-15	11/29/12	CHHL	380	75	140	1.3	3.0	6.4	<2	33	3,900	<2	<2	<2
GMW-O-15	12/26/12	CHHL	1,400	110	100	23	3.4	20	<0.50	22	3,900	<1	<1	<1
GMW-O-15	01/15/13	CHHL	1,200	<50	240	29	16	45	<3	52	3,100	<3	<3	<3
GMW-O-15	02/20/13	CHHL	230	<50	59	<0.50	2.5	3.2	<1	14	3,100	<1	<1	<1
GMW-O-15	04/12/13	CHHL	460	110	89	2.3	4.6	5.5	<1	36	3,600	<1	<1	<1
GMW-O-15	10/11/13	CHHL	56,000	88,000	7,600	2,300	750	4,100	<100	8,000	7,100	<100	<100	<100
GMW-O-15	10/27/15	BT for CH2MHill	120,000	490,000	12,000	16,000	2,200	12,000	<200	8,800	<2,000	<200	<200	210
GMW O 15	04/14/16	BT for CH2MHill	370,000	82,000	5,700	15,000	4,600	36,000	<200	2,800	3,400	<200	<200	<200
GMW-O-15	11/08/18	BT for Jacobs	11,000	1,600	140	67	30	1,300	<10	650	2,800	<10	<10	14
GMW-O-15	10/31/19	BT for Jacobs	4,400	6,700	470	5.0	35	470	<8.0	530	5,900	<8.0	<8.0	18
GMW-O-16	11/27/96	Terra Services	-----	-----	570	67	14	360	<5	120	-----	-----	-----	-----
GMW-O-16	07/17/97	Terra Services	<100	<500	<0.50	<0.50	<0.50	<1	<0.50	310	-----	-----	-----	-----
GMW-O-16	01/06/98	Terra Services	<100	<500	<0.50	<0.50	<0.50	<1.5	<0.50	<5	-----	-----	-----	-----
GMW-O-16	05/20/98	Terra Services	<300	-----	<0.50	<0.50	<0.50	<1	<0.50	76	-----	-----	-----	-----
GMW-O-16	11/13/98	Alton Geoscience	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	0.70	-----	-----	-----	-----
GMW-O-16	05/07/99	Alton Geoscience	<500	<500	0.66	<0.50	<0.50	0.72	<1	7.6	-----	-----	-----	-----
GMW-O-16	11/18/99	Secor	<416	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-16	05/17/00	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	0.80	-----	-----	-----	-----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-O-16	11/30/00	Secor	<300	----	0.80	<0.50	<0.50	<0.50	<0.50	0.60	----	----	----	----
GMW-O-16	05/10/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-16	04/10/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-16	10/22/02	Secor	<300	----	1.6	0.98	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-16	04/09/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-16	10/07/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-16	04/22/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-16	07/20/04	Secor	----	----	----	----	----	----	----	----	----	----	----	----
GMW-O-16	11/02/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-16	05/05/05	Secor	92	----	1.6	<0.50	<0.50	<0.50	<0.50	110	----	----	----	----
GMW-O-16	08/02/05	Secor	57	----	1.3	<0.50	<0.50	<0.50	<0.50	93	----	----	----	----
GMW-O-16	11/02/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	57	----	----	----	----
GMW-O-16	02/28/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	5.3	----	----	----	----
GMW-O-16	05/04/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	6.3	----	----	----	----
GMW-O-16	09/19/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.57	----	----	----	----
GMW-O-16	12/05/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-16	05/05/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-16	11/14/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-16	02/07/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.68	----	----	----	----
GMW-O-16	04/16/08	Secor	<50	----	<0.50	1.2	0.59	5.5	<0.50	0.63	----	----	----	----
GMW-O-16	10/14/08	Stantec	<50	----	<0.50	<0.50	<0.50	0.60	<0.50	0.65	----	----	----	----
GMW-O-16	04/23/09	Blaine Tech for AMEC	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.55	<10	<1	<1	<1
GMW-O-16	10/21/09	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-16	03/16/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-16	04/16/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-16	05/26/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.88	<10	<1	<1	<1
GMW-O-16	07/13/10	Blaine Tech	<50	----	0.73	<0.50	<0.50	<0.50	<0.50	1.9	<10	<1	<1	<1
GMW-O-16	08/12/10	Blaine Tech	<50	----	0.50	<0.50	<0.50	<0.50	<0.50	2.3	<10	<1	<1	<1
GMW-O-16	09/20/10	Blaine Tech	<50	----	0.69	<0.50	<0.50	<0.50	<0.50	3.1	<10	<1	<1	<1
GMW-O-16	10/06/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	<10	<1	<1	<1
GMW-O-16	11/16/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	4.0	<10	<1	<1	<1
GMW-O-16	12/22/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	2.0	<10	<1	<1	<1
GMW-O-16	01/11/11	Blaine Tech	<50	----	0.52	<0.50	<0.50	<0.50	<0.50	0.94	<10	<1	<1	<1
GMW-O-16	02/24/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.67	<10	<1	<1	<1
GMW-O-16	03/23/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	1.6	<10	<1	<1	<1
GMW-O-16	04/12/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	<10	<1	<1	<1
GMW-O-16	05/13/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	1.8	<10	<1	<1	<1
GMW-O-16	06/22/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	1.9	<10	<1	<1	<1
GMW-O-16	07/12/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	1.8	<10	<1	<1	<1
GMW-O-16	08/19/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	1.5	<10	<1	<1	<1
GMW-O-16	09/22/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	2.9	<10	<1	<1	<1
GMW-O-16	10/11/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<10	<1	<1	<1
GMW-O-16	11/28/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	<10	<1	<1	<1
GMW-O-16	12/21/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	0.50	<0.50	1.8	<10	<1	<1	<1
GMW-O-16	01/09/12	CH2M Hill	<50	----	<0.50	<0.50	<0.50	1.4	<0.50	3.4	<10	<1	<1	<1
GMW-O-16	02/23/12	CH2M HILL	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	2.3	<10	<1	<1	<1
GMW-O-16	03/28/12	CH2M HILL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.0	<10	<1	<1	<1
GMW-O-16	04/18/12	CH2M Hill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.79	<10	<1	<1	<1
GMW-O-16	05/25/12	CH2M HILL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-16	06/15/12	CH2M HILL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-16	07/10/12	CHHL	<50	<50	2.5	1.1	<0.50	0.70	<0.50	0.57	<10	<1	<1	<1
GMW-O-16	08/29/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-O-16	09/26/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-16	10/17/12	CHHL	<50	<50	<0.50	<0.50	<0.50	0.89	<0.50	0.70	<10	<1	<1	<1
GMW-O-16	11/29/12	CHHL	<50	83	<0.50	<0.50	<0.50	0.56	<0.50	<0.50	<10	<1	<1	<1
GMW-O-16	12/26/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.5	<10	<1	<1	<1
GMW-O-16	01/15/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.95	<10	<1	<1	<1
GMW-O-16	02/20/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	<10	<1	<1	<1
GMW-O-16	04/10/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-16	10/10/13	CHHL	170	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	24	<1	<1	<1
GMW-O-16	04/16/14	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-16	10/29/14	BT for CH2MHill	<50	<50	0.89	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-16	04/22/15	BT for CH2MHill	89	<50	2.5	<0.50	<0.50	<0.50	<0.50	<0.50	22	<1.0	<1.0	<1.0
GMW-O-16	10/22/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW O 16	04/14/16	BT for CH2MHill	<50	310	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-16	10/05/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-16	04/18/17	BT for CH2MHill	66	<50	1.2	<0.50	<0.50	<0.50	<0.50	4.0	<10	<1.0	<1.0	<1.0
GMW-O-16	10/04/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-16	04/18/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-16	11/08/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-16	04/19/19	BT for Jacobs	<50	53	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-16	10/31/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.0	<10	<1.0	<1.0	<1.0
GMW-O-17	11/22/96	Terra Services	----	----	<0.50	<0.50	<0.50	<1.5	<0.50	<5	----	----	----	----
GMW-O-17	07/10/97	Terra Services	<100	<500	<0.50	<0.50	<0.50	<1	<0.50	<5	----	----	----	----
GMW-O-17	01/07/98	Terra Services	<100	<500	<0.50	0.64	<0.50	<1.5	<0.50	<5	----	----	----	----
GMW-O-17	05/21/98	Terra Services	<300	----	<0.50	<0.50	<0.50	<1	<0.50	<0.50	----	----	----	----
GMW-O-17	11/04/98	Alton Geoscience	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-17	05/05/99	Alton Geoscience	<500	<500	0.64	<0.50	<0.50	<0.50	<1	0.58	----	----	----	----
GMW-O-17	11/16/99	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-17	05/17/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-17	11/29/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-17	05/10/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-17	11/07/01	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-17	04/09/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-17	10/24/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-17	10/09/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-17	05/04/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-17	05/05/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-17	05/03/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-17	04/18/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-17	04/22/09	Blaine Tech for AMEC	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-17	05/25/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-17	04/13/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-17	04/18/12	CH2M Hill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-17	10/16/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-17	04/09/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	26	<1	<1	<1
GMW-O-17	07/02/13	CHHL	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-17	10/09/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-17	04/15/14	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-17	10/29/14	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-17	04/21/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-17	10/21/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW O 17	04/12/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-17	10/04/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-O-17	04/21/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-17	10/04/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-17	04/18/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-17	11/08/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-17	04/17/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-17	10/30/19	BT for Jacobs	<50	93	<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	Terra Services	-----	-----	<10	<10	<10	<30	<10	10,000	-----	-----	-----	-----
GMW-O-18	07/11/97	Terra Services	<100	<500	<3	<3	<3	<3	<3	3,000	-----	-----	-----	-----
GMW-O-18	01/07/98	Terra Services	<100	<500	<5	<5	<5	<15	<5	3,200	-----	-----	-----	-----
GMW-O-18	05/21/98	Terra Services	2,000	-----	<100	<100	<100	<200	<100	5,600	-----	-----	-----	-----
GMW-O-18	11/17/98	Alton Geoscience	543	-----	<0.50	1.0	<0.50	2.6	<0.50	1,420	-----	-----	-----	-----
GMW-O-18	05/06/99	Alton Geoscience	2,700	<500	<5	<5	<5	<5	<13	15,000	-----	-----	-----	-----
GMW-O-18	11/18/99	Secor	2,900	-----	<13	<12.5	<12.5	<12.5	<13	6,700	-----	-----	-----	-----
GMW-O-18	05/19/00	Secor	3,500	-----	<25	<25	<25	<25	<25	10,000	-----	-----	-----	-----
GMW-O-18	11/02/05	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	1.4	-----	-----	-----	-----
GMW-O-18	05/09/06	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	2.1	-----	-----	-----	-----
GMW-O-18	12/07/06	Secor	<100	-----	<0.50	<0.50	<0.50	<0.50	<1	0.65	-----	-----	-----	-----
GMW-O-18	05/04/07	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	0.62	-----	-----	-----	-----
GMW-O-18	11/15/07	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	1.6	-----	-----	-----	-----
GMW-O-18	04/15/08	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-18	10/15/08	Stantec	<200	-----	<1	<1	<1	<1	<2	<1	-----	-----	-----	-----
GMW-O-18	04/23/09	Blaine Tech for AMEC	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	1.0	140	<1	<1	<1
GMW-O-18	10/21/09	Blaine Tech	2,400	-----	170	440	17	410	<5	490	480	<5	<5	<5
GMW-O-18	03/16/10	Blaine Tech	<50	-----	0.60	1.3	<0.50	1.8	<0.50	4.5	550	<1	<1	<1
GMW-O-18	04/16/10	Blaine Tech	1,300	-----	0.67	<0.50	3.1	13	<0.50	1.2	2,400	<1	<1	<1
GMW-O-18	05/25/10	Blaine Tech	110	-----	<0.50	<0.50	<0.50	<0.50	<1	2.9	6,500	<1	<1	<1
GMW-O-18	07/14/10	Blaine Tech	110	-----	<0.50	<0.50	<0.50	<0.50	<0.50	0.85	11,000	<1	<1	<1
GMW-O-18	08/12/10	Blaine Tech	220	-----	0.64	<0.50	<0.50	<0.50	<1	0.93	15,000	<1	<1	<1
GMW-O-18	09/20/10	Blaine Tech	290	-----	1.1	<0.50	<0.50	0.55	<1	1.2	23,000	<1	<1	<1
GMW-O-18	10/05/10	Blaine Tech	4,000	-----	1,200	420	23	91	<10	670	2,600	<10	<10	<10
GMW-O-18	11/16/10	Blaine Tech	2,000	-----	<0.50	<0.50	<0.50	<0.50	<1	0.53	21,000	<1	<1	<1
GMW-O-18	01/12/11	Blaine Tech	<3000	-----	<1	<1	<1	<1	<2	<1	29,000	<2	<2	<2
GMW-O-18	02/24/11	Blaine Tech	1,400	-----	60	31	19	85	<0.50	380	1,600	<1	<1	3.9
GMW-O-18	03/23/11	Blaine Tech	110	-----	6.0	1.4	1.1	6.3	<0.50	2.9	3,300	<1	<1	<1
GMW-O-18	04/29/11	Blaine Tech	<50	-----	3.7	<0.50	<0.50	1.7	<0.50	7.5	780	<1	<1	<1
GMW-O-18	05/13/11	Blaine Tech	<100	-----	<0.50	<0.50	<0.50	<0.50	<1	<0.50	<10	<1	<1	<1
GMW-O-18	06/22/11	Blaine Tech	7,500	-----	<0.50	<0.50	<0.50	440	<1	5.5	3,200	<1	<1	<1
GMW-O-18	08/19/11	CH2M Hill	2,600	-----	17	3.9	3.2	40	<2	85	61	<2	<2	<2
GMW-O-18	09/22/11	CH2M Hill	34,000	-----	700	110	690	5,300	<50	400	6,100	<50	<50	54
GMW-O-18	10/14/11	CH2M Hill	6,000	-----	190	13	36	100	<20	1,600	6,600	<20	<20	26
GMW-O-18	11/23/11	CH2M Hill	25,000	-----	65	<10	51	<10	<20	310	6,000	<20	<20	22
GMW-O-18	12/21/11	CH2M Hill	190	-----	<0.50	<0.50	<0.50	0.53	<0.50	70	1,600	<1	<1	<1
GMW-O-18	01/10/12	CH2M Hill	570	-----	100	<0.50	5.3	3.9	<1	110	4,800	<1	<1	2.2
GMW-O-18	02/23/12	CH2M HILL	180	-----	8.8	6.8	0.84	7.8	<0.50	5.9	9,200	<1	<1	<1
GMW-O-18	03/28/12	CH2M HILL	140	<50	<0.50	<0.50	<0.50	<0.50	<1	<0.50	10,000	<1	<1	<1
GMW-O-18	05/25/12	CH2M HILL	<100	<50	<0.50	<0.50	<0.50	<0.50	<1	<0.50	7,700	<1	<1	<1
GMW-O-18	06/15/12	CH2M HILL	180	50	<0.50	<0.50	<0.50	<0.50	<1	0.60	17,000	<1	<1	<1
GMW-O-18	07/11/12	CHHL	180	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	14,000	<1	<1	<1
GMW-O-18	08/30/12	CHHL	71	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	14,000	<1	<1	<1
GMW-O-18	09/26/12	CHHL	55	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	8,900	<1	<1	<1
GMW-O-18	10/30/12	CHHL	110	<50	<0.50	<0.50	<0.50	<0.50	<1	<0.50	11,000	<1	<1	<1
GMW-O-18	11/29/12	CHHL	110	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	10,000	<1	<1	<1

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-O-18	12/26/12	CHHL	76	240	22	2.1	0.82	2.4	<0.50	5.5	850	<1	<1	<1
GMW-O-18	01/15/13	CHHL	91	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	8,000	<1	<1	<1
GMW-O-18	04/12/13	CHHL	<100	58	<0.50	0.51	<0.50	0.53	<1	<0.50	4,000	<1	<1	<1
GMW-O-18	10/10/13	CHHL	120	<50	2.2	1.1	<0.50	6.0	<0.50	<0.50	6,000	<1	<1	<1
GMW-O-18	11/03/15	BT for CH2MHill	2,900	49,000	62	150	39	226	<3.0	100	1,800	<3.0	<3.0	<3.0
GMW O 18	04/14/16	BT for CH2MHill	11,000,000	5,900,000	53,000	620,000	310,000	2,300,000	<10,000	6,000	<100,000	<10,000	<10,000	<10,000
GMW-O-18	04/18/19	BT for Jacobs	5,600	5,800	38	<2.5	290	37	<5	4.8	6,400	<5	<5	<5
GMW-O-18	10/31/19	BT for Jacobs	5,900	10,000	39	<2.5	300	26	<5.0	12	3,400	<5.0	<5.0	<5.0
GMW-O-19	11/25/96	Terra Services	----	----	<0.50	<0.87	2.8	5.1	<0.50	<5	----	----	----	----
GMW-O-19	07/16/97	Terra Services	<100	<500	<0.50	<0.50	<0.50	<1	<0.50	<5	----	----	----	----
GMW-O-19	01/06/98	Terra Services	<100	<500	<0.50	<0.50	<0.50	<1.5	<0.50	<5	----	----	----	----
GMW-O-19	05/20/98	Terra Services	<300	----	<0.50	<0.50	<0.50	<1	<0.50	2.0	----	----	----	----
GMW-O-19	11/12/98	Alton Geoscience	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-19	05/06/99	Alton Geoscience	<500	<500	<0.50	<0.50	<0.50	<0.50	<1	0.51	----	----	----	----
GMW-O-19	11/18/99	Secor	<416	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	----	----	----	----
GMW-O-19	05/17/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-19	09/19/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-19	11/07/01	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-19	01/30/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-19	04/09/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-19	08/01/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-19	10/07/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-19	04/22/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-19	07/20/04	Secor	----	----	----	----	----	----	----	----	----	----	----	----
GMW-O-19	11/02/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-19	05/05/05	Secor	510	----	110	<0.50	17	25	<1	150	----	----	----	----
GMW-O-19	08/02/05	Secor	160	----	2.1	<0.50	1.2	<0.50	2.1	19	----	----	----	----
GMW-O-19	11/02/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-19	02/28/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-19	05/04/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-19	12/05/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-19	05/05/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-19	11/15/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-19	04/16/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-19	10/14/08	Stantec	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-O-19	04/23/09	Blaine Tech for AMEC	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	10/20/09	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	03/15/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	04/16/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	05/26/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	07/13/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	08/12/10	Blaine Tech	<50	----	0.52	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	09/20/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	10/06/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	11/16/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	12/22/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	01/11/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	02/24/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	03/23/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	04/12/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	05/13/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	06/22/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-O-19	07/11/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	08/19/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	09/22/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	10/11/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	11/28/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	12/21/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	01/10/12	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	02/23/12	CH2M HILL	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	03/28/12	CH2M HILL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	04/17/12	CH2M Hill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	05/25/12	CH2M HILL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	06/15/12	CH2M HILL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	07/10/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	08/29/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	09/26/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	10/16/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	11/29/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	70	<1	<1	<1
GMW-O-19	12/26/12	CHHL	<50	<50	<0.50	<0.50	<0.50	0.52	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	01/15/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	02/20/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	04/09/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	10/09/13	CHHL	110	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	04/15/14	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	10/29/14	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-19	04/22/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-19	10/22/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW O 19	04/14/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-19	10/05/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-19	04/18/17	BT for CH2MHill	52	<50	2.2	2.8	<0.50	11	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-19	10/04/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-19	04/18/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	11/08/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-19	04/19/19	BT for Jacobs	<50	530	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	10/31/19	BT for Jacobs	<50	110	<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	Blaine Tech	46,000	----	17,000	390	680	2,700	<200	<100	<2,000	<200	<200	<200
GMW-O-20	04/13/11	Blaine Tech	42,000	----	12,000	170	580	400	<200	<100	<2,000	<200	<200	<200
GMW-O-20	10/13/11	CH2M Hill	34,000	----	6,300	460	240	850	<100	<50	<1,000	<100	<100	<100
GMW-O-20	04/20/12	CH2M Hill	48,000	230,000	11,000	520	350	2,500	<100	<50	<1,000	<100	<100	<100
GMW-O-20	10/19/12	CHHL	36,000	340,000	6,100	1,000	360	2,700	<50	<25	<500	<50	<50	<50
GMW-O-20	10/07/16	BT for CH2MHill	35,000	95,000	2,700	930	230	4,200	<40	38	<400	<40	<40	<40
GMW-O-20	04/21/17	BT for CH2MHill	2,900	5,900	850	14	24	85	<10	24	<200	<10	<10	<10
GMW-O-20	10/06/17	BT for CH2MHill	6,500	21,000	460	16	36	290	<4.0	7.4	<40	10	<4.0	<4.0
GMW-O-20	05/15/18	BT for Jacobs	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	BT for Jacobs	1,300	2,700	86	3.6	2.7	31	<1.0	5.2	22	6.9	<1.0	<1.0
GMW-O-20	04/23/19	BT for Jacobs	1,200	1,400	240	7.2	27	59	<2	22	42	14	<2	<2
GMW-O-21	10/07/03	Secor	47,000	----	15,000	5,200	500	3,160	<100	5,200	----	----	----	----
GMW-O-21	10/08/10	Blaine Tech	66,000	----	19,000	8,200	1,200	3,800	<200	<100	<2,000	<200	<200	<200
GMW-O-21	04/29/11	Blaine Tech	18,000	----	7,400	2,400	190	1,940	<50	95	<500	86	<50	<50
GMW-O-21	10/14/11	CH2M Hill	31,000	----	8,300	4,100	290	2,400	<100	51	<1,000	<100	<100	<100
GMW-O-21	04/19/12	CH2M Hill	32,000	1,200	11,000	4,400	230	3,000	<100	<50	<1,000	<100	<100	<100
GMW-O-21	10/19/12	CHHL	1,200	880	370	71	4.8	66	<2	3.2	96	8.7	<2	<2
GMW-O-21	10/07/16	BT for CH2MHill	18,000	2,000	2,900	21	280	1,600	<40	<20	<400	<40	<40	<40

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-O-21	04/21/17	BT for CH2MHill	3,100	1,100	55	5.7	11	180	<2	<1	<20	<2	<2	<2
GMW-O-21	10/06/17	BT for CH2MHill	9,700	750	4,300	<20	22	<20	<40	<20	<400	52	<40	<40
GMW-O-21	04/20/18	BT for Jacobs	2,000	2,100	1,000	6.8	8.9	<5	<10	<5	<100	15	<10	<10
GMW-O-21	11/09/18	BT for Jacobs	<8,000	2,400	4,300	<40	<40	<40	<80	<40	<800	<80	<80	<80
GMW-O-21	04/18/19	BT for Jacobs	140	64	14	0.64	0.72	<0.50	<0.50	5.9	13	15	<1	<1
GMW-O-21	11/01/19	BT for Jacobs	7,600	1,100	3,900	12	120	79	<20	<10	<200	32	<20	<20
DUP-4 (GMW-O-21)	11/01/19	BT for Jacobs	7,000	1,200	3,500	11	120	83	<20	<10	<200	29	<20	<20
GMW-O-23	10/08/10	Blaine Tech	120,000	-----	22,000	21,000	1,800	8,100	<200	2,600	<2,000	<200	<200	<200
GMW-O-23	04/13/11	Blaine Tech	75,000	-----	15,000	13,000	850	5,800	<200	1,700	<2,000	<200	<200	<200
GMW-O-23	10/13/11	CH2M Hill	65,000	-----	16,000	11,000	540	3,800	<200	1,500	<2,000	<200	<200	<200
GMW-O-23	10/19/12	CHHL	29,000	31,000	7,000	5,000	130	1,900	<100	400	<1,000	<100	<100	<100
GMW-O-23	10/07/16	BT for CH2MHill	2,800	170,000	15	<4.0	9.3	110	<8.0	5.0	<80	<8.0	<8.0	<8.0
GMW-O-23	04/21/17	BT for CH2MHill	1,600	1,300	11	3.6	1.6	220	<2	4.0	<20	3.5	<2	<2
GMW-O-23	10/06/17	BT for CH2MHill	<50	1,300	0.78	<0.50	0.60	2.1	<0.50	0.99	24	4.9	<1.0	<1.0
GMW-O-23	04/20/18	BT for Jacobs	110	2,000	0.99	<0.50	<0.50	<0.50	<1	5.6	120	30	<1	<1
GMW-O-23	11/08/18	BT for Jacobs	78	1,500	0.59	<0.50	<0.50	<0.50	<0.50	1.2	30	13	<1.0	<1.0
DUP-3 (GMW-O-23)	11/08/18	BT for Jacobs	57	730	1.1	<0.50	<0.50	<0.50	<0.50	1.2	22	10	<1.0	<1.0
GMW-O-23	04/18/19	BT for Jacobs	<100	1,500	<0.50	<0.50	<0.50	<0.50	<1	0.94	140	27	<1	<1
GMW-O-24	10/16/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.99	<10	<1	<1	<1
GMW-O-24	04/09/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	4.2	<10	<1	<1	<1
GMW-O-24	10/23/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	<10	<1	<1	<1
GMW-O-24	04/15/14	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-24	10/29/14	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-24	10/29/14	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-24	04/23/15	BT for CH2MHill	<50	74	0.70	<0.50	<0.50	0.97	<0.50	0.50	20	<1.0	<1.0	<1.0
GMW-O-24	04/23/15	BT for CH2MHill	<50	<50	0.64	<0.50	<0.50	0.98	<0.50	<0.50	16	<1.0	<1.0	<1.0
GMW-O-24	06/30/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.76	<10	<1.0	<1.0	<1.0
GMW-O-24	10/21/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-24	10/21/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW O 24	04/12/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
DUP-1 (GMW O 24)	04/12/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-24	10/04/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
DUP-1 (GMW-O-24)	10/04/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-24	04/21/17	BT for CH2MHill	<50	<50	0.80	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
DUP-3 (GMW-O-24)	04/21/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-24	10/04/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-24	04/18/18	BT for Jacobs	<50	59	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-24	04/18/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-7	11/25/96	Terra Services	-----	-----	<0.50	<0.50	<0.50	5.8	<0.50	<5	-----	-----	-----	-----
GMW-SF-7	07/11/97	Terra Services	<100	<500	<0.50	<0.50	<0.50	<1	<0.50	8.7	-----	-----	-----	-----
GMW-SF-7	01/02/98	Terra Services	<100	<500	<0.50	<0.50	<0.50	<1.5	<0.50	<5	-----	-----	-----	-----
GMW-SF-7	05/19/98	Terra Services	<300	-----	<0.50	<0.50	<0.50	<1	<0.50	<0.50	-----	-----	-----	-----
GMW-SF-7	11/11/98	Alton Geoscience	<300	-----	0.96	<0.50	0.50	1.3	<0.50	<0.50	-----	-----	-----	-----
GMW-SF-7	05/07/99	Alton Geoscience	<500	<500	1.0	4.1	<0.50	1.8	<1	1.3	-----	-----	-----	-----
GMW-SF-7	11/18/99	Secor	350	-----	<0.50	<0.50	<0.50	<0.50	<0.50	200	-----	-----	-----	-----
GMW-SF-7	05/17/00	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-SF-7	11/29/00	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-SF-7	05/08/01	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-SF-7	11/06/01	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-SF-7	02/01/02	Secor	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-SF-7	04/10/02	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	1.9	-----	-----	-----	-----
GMW-SF-7	10/22/02	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	2.5	-----	-----	-----	-----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-SF-7	01/29/03	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	4.1	----	----	----	----
GMW-SF-7	04/09/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.73	----	----	----	----
GMW-SF-7	07/30/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-SF-7	10/06/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-SF-7	01/28/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-SF-7	04/20/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	32	----	----	----	----
GMW-SF-7	07/19/04	Secor	550	----	<1	<1	<1	<1	<2	680	----	----	----	----
GMW-SF-7	11/02/04	Secor	220	----	<0.50	<0.50	<0.50	<0.50	<0.50	340	----	----	----	----
GMW-SF-7	02/02/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-SF-7	05/04/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-SF-7	08/02/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-SF-7	11/01/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-SF-7	02/27/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-SF-7	05/02/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-SF-7	09/18/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-SF-7	12/05/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-SF-7	03/13/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-SF-7	05/05/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-SF-7	08/30/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-SF-7	11/13/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-SF-7	04/16/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-SF-7	10/14/08	Stantec	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-SF-7	04/22/09	Blaine Tech for AMEC	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-7	10/21/09	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-7	05/26/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-7	10/06/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-7	04/12/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-7	10/11/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-7	04/17/12	CH2M Hill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-7	10/16/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-7	04/10/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-7	10/09/13	CHHL	<50	<50	<0.50	<0.50	<0.50	1.1	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-7	04/15/14	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-7	10/29/14	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-SF-7	04/22/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	81	<1.0	<1.0	<1.0
GMW-SF-7	10/21/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW SF 7	04/13/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-SF-7	10/05/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-SF-7	04/18/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-SF-7	10/04/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-SF-7	04/18/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-7	11/08/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-SF-7	04/18/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-7	10/29/19	BT for Jacobs	<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	Terra Services	<100	<500	4.5	<1	<1	<3	<1	920	----	----	----	----
GMW-SF-8	07/11/97	Terra Services	<100	<500	<0.50	<0.50	<0.50	<1	<0.50	140	----	----	----	----
GMW-SF-8	01/06/98	Terra Services	<100	<500	4.1	<0.50	<0.50	<1.5	<0.50	450	----	----	----	----
GMW-SF-8	05/22/98	Terra Services	<300	----	<0.50	<0.50	<0.50	<1	<1	0.90	----	----	----	----
GMW-SF-8	11/12/98	Alton Geoscience	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	40	----	----	----	----
GMW-SF-8	05/07/99	Alton Geoscience	<500	<500	<0.50	<0.50	<0.50	<0.50	<1	4.8	----	----	----	----
GMW-SF-8	11/18/99	Secor	660	----	<0.50	<0.50	<0.50	<0.50	<0.50	800	----	----	----	----
GMW-SF-8	05/17/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	42	----	----	----	----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-SF-8	11/30/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	220	----	----	----	----
GMW-SF-8	05/08/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	20	----	----	----	----
GMW-SF-8	11/06/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	260	----	----	----	----
GMW-SF-8	04/10/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	3.8	----	----	----	----
GMW-SF-8	10/22/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	5.2	----	----	----	----
GMW-SF-8	01/29/03	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	1.5	----	----	----	----
GMW-SF-8	04/09/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	6.5	----	----	----	----
GMW-SF-8	07/30/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-SF-8	10/06/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-SF-8	01/27/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-SF-8	04/20/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-SF-8	07/19/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-SF-8	11/03/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-SF-8	02/02/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-SF-8	05/04/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-SF-8	08/01/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-SF-8	11/01/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-SF-8	02/27/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-SF-8	05/02/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-SF-8	09/18/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<1	<0.50	----	----	----	----
GMW-SF-8	12/05/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-SF-8	05/04/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-SF-8	11/14/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-SF-8	04/16/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-SF-8	10/14/08	Stantec	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GMW-SF-8	04/23/09	Blaine Tech for AMEC	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-8	10/21/09	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-8	05/26/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-8	10/06/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-8	04/12/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-8	10/11/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-8	04/17/12	CH2M Hill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-8	10/16/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-8	04/10/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-8	10/09/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-8	04/15/14	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-8	10/29/14	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-SF-8	04/22/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-SF-8	10/22/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-SF-8	04/13/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-SF-8	10/05/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-SF-8	04/18/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-SF-8	10/04/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-SF-8	04/18/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-8	11/08/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-SF-8	04/19/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-8	10/29/19	BT for Jacobs	<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	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	9.2	----	----	----	----
GMW-SF-9	10/10/03	Geomatrix	79	----	<0.50	<0.50	<0.50	<0.50	<0.50	14	----	----	----	----
GMW-SF-9	10/07/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-9	04/13/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-9	10/11/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	40	<1	<1	<1

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-SF-9	10/12/11	CH2M Hill	<100	----	1.5	<0.50	<0.50	<0.50	<1	<0.50	<10	<1	<1	<1
GMW-SF-9	04/19/12	CH2M Hill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	110	<1	<1	<1
GMW-SF-9	10/17/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	270	<1	<1	<1
GMW-SF-10	09/24/03	Secor	90	----	<0.50	<0.50	<0.50	<0.50	<0.50	210	----	----	----	----
GMW-SF-10	10/10/03	Geomatrix	100	----	<0.50	<0.50	<0.50	<0.50	<0.50	120	----	----	----	----
GMW-SF-10	10/07/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-10	04/14/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-10	10/12/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-10	04/19/12	CH2M Hill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-10	10/17/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GW-1	10/17/08	BT for Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	0.84	2.3	<10	<2	<2	<2
GW-1	08/03/09	Blaine Tech for AMEC	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-1	04/29/15	SGI	<100	<100	<0.50	<0.50	<0.50	<1.0	4.7	<2.0	<10	<2.0	<2.0	<2.0
GW-1	10/21/15	SGI	<100	<100	2.3	<0.50	4.2	15	4.9	<2.0	<10	<2.0	<2.0	<2.0
GW-1	10/21/15	SGI	<100	<100	2.2	<0.50	4.0	15	4.7	<2.0	<10	<2.0	<2.0	<2.0
GW-1	10/05/16	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	9.1	<1.0	<10	<2.0	<2.0	<2.0
GW-1	04/19/17	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	1.8	<1.0	<10	<2.0	<2.0	<2.0
DUP-3 (GW-1)	04/19/17	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	2.0	<1.0	<10	<2.0	<2.0	<2.0
GW-2	01/12/10	Blaine Tech for DESC	<100	----	3.6	<0.50	<0.50	<0.50	23	1.8	8.8 J	2.6	<2	<2
GW-2	10/08/10	BT for Parsons	180	----	18	----	----	----	4.6	1.4	21	----	----	----
GW-2	04/19/12	Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	4.0	0.60	<10	<2	<2	<2
GW-2	07/10/12	Parsons	---	----	2.4	<0.50	<0.50	0.24	6.2	0.69	10	0.79 J	<2	<2
GW-2	04/11/13	Parsons	<100	<100	<0.50	<0.50	<0.50	<0.50	11	1.2	<10	0.46 J	<2	<2
GW-2	10/07/13	Parsons	<100	<100	<0.50	<0.50	<0.50	<0.50	4.3	0.55	<10	<2	<2	<2
GW-2	04/15/14	Parsons	<100	<95	<0.50	<0.50	<0.50	<0.50	3.3	0.51	<10	<2	<2	<2
GW-2	11/03/14	SGI	1,800	230	31	4.0	65	346	2.5	<2.0	<10	<2.0	<2.0	<2.0
GW-2	04/21/15	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	2.4	<2.0	<10	<2.0	<2.0	<2.0
GW-2	10/22/15	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	1.1	<2.0	<10	<2.0	<2.0	<2.0
GW 2	04/12/16	SGI	<100	<100	1.0	<0.50	1.9	6.1	1.2	<1.0	<10	<2.0	<2.0	<2.0
GW-2	10/05/16	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	1.6	<1.0	<10	<2.0	<2.0	<2.0
GW-2	04/19/17	SGI	<100	170	<0.50	<0.50	<0.50	<1.5	0.50	<1.0	<10	<2.0	<2.0	<2.0
GW-2	10/05/17	SGI	<100	160	<0.50	<0.50	<0.50	<1.5	1.9	<1.0	<10	<2.0	<2.0	<2.0
GW-2	04/19/18	SGI	<100	190	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GW-2	11/08/18	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	0.51	<1.0	<10	<2.0	<2.0	<2.0
GW-2	04/18/19	SGI	<100	260	<0.50	<0.50	<0.50	<1.5	<0.50	3.4	<10	<2.0	<2.0	<2.0
GW-2	11/05/19	SGI	<100	240	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GW-3	04/11/03	GTL	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GW-3	10/11/03	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	2.9	----	----	----	----
GW-3	04/22/04	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	<10	<2	<2	<2
GW-3	11/04/04	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-3	05/10/05	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-3	11/08/05	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-3	05/03/06	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-3	12/06/06	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-3	05/03/07	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-3	11/14/07	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-3	04/17/08	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-3	10/16/08	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-3	04/24/09	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	17	<2	<2	<2
GW-3	10/22/09	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-3	04/15/10	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	18	<2	<2	<2
GW-3	04/11/13	Parsons	----	120	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	9.6 J	<2	<2	<2

APPENDIX D
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 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GW-3	10/07/13	Parsons	<100	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-3	04/15/14	Parsons	<100	<95	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-3	10/27/14	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GW-3	04/21/15	SGI	<100	100	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GW-3	10/23/15	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GW-3	10/23/15	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GW-3	04/12/16	SGI	<100	<100	1.0	<0.50	2.2	6.9	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GW-3	10/05/16	SGI	<100	100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
DUP-4 (GW-3)	10/05/16	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GW-3	04/19/17	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GW-3	10/02/17	SGI	<100	290	2.4	<0.50	6.0	2.0	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GW-3	10/25/17	SGI	----	240	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GW-3	04/19/18	SGI	<100	170	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GW-3	11/08/18	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GW-3	04/17/19	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GW-3	10/29/19	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GW-4	04/24/15	SGI	<100	270	<0.50	<0.50	<0.50	<1.0	<0.50	2.6	<10	<2.0	<2.0	<2.0
GW-4	04/24/15	SGI	<100	310	<0.50	<0.50	<0.50	<1.0	<0.50	2.9	<10	<2.0	<2.0	<2.0
GW-4	10/22/15	SGI	<100	4,100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GW-4	10/10/16	SGI	<100	120	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GW-6	11/06/98	GTI	339	----	9.3	1.1	8.4	6.6	<0.50	<0.50	----	----	----	----
GW-6	05/27/99	GTI	<300	----	62	<0.50	12	<0.50	<0.50	<0.50	----	----	----	----
GW-6	11/18/99	IT Corporation	690	----	90	<1	80	<0.50	<0.50	<0.50	----	----	----	----
GW-6	05/17/00	IT Corporation	<300	----	1.7	<0.50	2.5	<0.50	<0.50	19	----	----	----	----
GW-6	12/01/00	IT Corporation	<300	----	3.7	<0.50	1.6	<0.50	<0.50	21	----	----	----	----
GW-6	05/10/01	IT Corporation	<300	----	0.70	<0.50	<0.50	<0.50	<0.50	23	----	----	----	----
GW-6	11/08/01	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	21	----	----	----	----
GW-6	10/24/02	GTI	<300	----	<0.50	<1	<1	<1	<0.50	9.6	----	----	----	----
GW-6	04/11/03	GTI	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
GW-6	10/10/03	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.71	----	----	----	----
GW-6	04/22/04	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-6	11/04/04	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-6	05/10/05	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-6	11/08/05	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-6	05/05/06	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-6	05/02/07	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-6	04/17/08	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-6	10/15/08	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-6	04/21/09	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	1.5	<10	<2	<2	<2
GW-6	10/22/09	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	1.8	<10	<2	<2	<2
GW-6	04/13/10	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.76	<10	<2	<2	<2
GW-6	10/05/10	BT for Parsons	----	----	<0.50	----	----	----	<0.50	1.1	4.7 J	----	----	----
GW-6	10/12/11	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.51	<10	<2	<2	<2
GW-6	04/18/12	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.54	<10	<2	<2	<2
GW-6	10/19/12	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.67	<10	<2	<2	<2
GW-6	04/10/13	Parsons	----	130 b	<0.50	<0.50	<0.50	<0.50	<0.50	0.68	<10	<2	<2	<2
GW-6	10/08/13	Parsons	<100	180 HD	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	12	<2	<2	<2
GW-6	04/15/14	Parsons	<100	<95	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-6	10/27/14	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GW-6	04/21/15	SGI	<100	250	<0.50	<0.50	<0.50	<1.5	<0.50	3.1	25	<2.0	<2.0	<2.0
GW-6	10/05/16	SGI	<100	140	<0.50	<0.50	<0.50	<1.5	<0.50	1.4	<10	<2.0	<2.0	<2.0
GW-6	04/19/17	SGI	<100	110	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GW-6	10/05/17	SGI	<100	230	<0.50	<0.50	<0.50	<1.5	<0.50	1.9	<10	<2.0	<2.0	<2.0
DUP-5 (GW-6)	10/05/17	SGI	<100	240	<0.50	<0.50	<0.50	<1.5	<0.50	1.7	<10	<2.0	<2.0	<2.0
GW-6	04/18/18	SGI	<100	180	<0.50	<0.50	<0.50	<1.5	<0.50	1.7	<10	<2.0	<2.0	<2.0
GW-6	11/08/18	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GW-6	04/17/19	SGI	<100	410	<0.50	<0.50	<0.50	<1.5	<0.50	3.6	<10	<2.0	<2.0	<2.0
GW-6	11/05/19	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GW-7	04/12/02	IT Corporation	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	1.8	-----	-----	-----	-----
GW-7	04/22/15	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GW-7	04/22/15	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GW-7	10/11/16	SGI	<100	120	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GW-7	04/19/17	SGI	<100	270	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GW-8	10/09/13	Parsons	<100	190 HD	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-8	04/18/14	Parsons	<100	100 HD	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-8	10/28/14	SGI	<100	180	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GW-8	04/24/15	SGI	<100	170	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GW-8	10/22/15	SGI	<100	110	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GW-8	10/07/16	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GW-8	04/18/17	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GW-8	10/03/17	SGI	<100	150	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GW-8	04/18/18	SGI	<100	160	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GW-8	11/09/18	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GW-8	04/16/19	SGI	<100	100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GW-8	11/05/19	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GW-13(1")	11/15/07	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	0.94	3.5	20	<2	<2	<2
GW-13(6")	05/03/07	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	0.83	5.3	31	<2	<2	<2
GW-13(6")	04/17/08	BT for Parsons	230	-----	<0.50	<0.50	<0.50	<0.50	0.99	4.4	28	<2	<2	<2
GW-13(6")	04/24/09	BT for Parsons	<100	-----	<0.50	<0.50	<0.50	<0.50	14	11	<10	2.1	<2	<2
GW-13(6")	01/12/10	BT for Parsons	<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	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	7.4	12	16	1.5 J	<2	<2
GW-13(6")	10/08/10	BT for Parsons	<100	-----	<0.50	-----	-----	-----	5.0	11	24	-----	-----	-----
GW-13(6")	04/22/11	BT for Parsons	---	-----	<0.50	<0.50	<0.50	<0.50	3.7	6.8	16	0.72 J	<2	<2
GW-13(6")	04/18/12	Parsons	<100	-----	<0.50	<0.50	<0.50	<0.50	6.9	3.0	<10	1.2 J	<2	<2
GW-13(6")	07/09/12	Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	0.60	0.78	<10	<2	<2	<2
GW-13(6")	04/10/13	Parsons	<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	Parsons	<100	<100	<0.50	<0.50	<0.50	<0.50	2.4	0.92	<10	<2	<2	<2
GW-13(6")	04/16/14	Parsons	<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	SGI	1,500	170	9.4	2.4	53	279	7.6	<2.0	<10	<2.0	<2.0	<2.0
GW-13(6")	04/21/15	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	8.5	<2.0	<10	<2.0	<2.0	<2.0
GW-13(6")	04/21/15	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	8.5	<2.0	<10	<2.0	<2.0	<2.0
GW-13(6")	10/22/15	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	6.2	<2.0	<10	<2.0	<2.0	<2.0
GW 13(6")	04/12/16	SGI	<100	<100	0.57	<0.50	1.6	5.4	6.6	<1.0	<10	<2.0	<2.0	<2.0
GW 13(6")	10/05/16	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	8.1	<1.0	<10	<2.0	<2.0	<2.0
GW-13(6")	04/19/17	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	1.7	<1.0	<10	<2.0	<2.0	<2.0
GW-13(6")	10/05/17	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	1.4	<1.0	<10	<2.0	<2.0	<2.0
GW-13(6")	04/19/18	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	4.1	1.6	<10	<2.0	<2.0	<2.0
GW-13(6")	11/08/18	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	1.6	<1.0	<10	<2.0	<2.0	<2.0
GW-13(6")	04/18/19	SGI	<100	380	<0.50	<0.50	<0.50	<1.5	<0.50	1.4	<10	<2.0	<2.0	<2.0
GW-13(6")	11/05/19	SGI	<100	430	<0.50	<0.50	<0.50	<1.5	0.87	1.6	23	<2.0	<2.0	<2.0
GW-14(1")	11/15/07	BT for Parsons	-----	-----	35	<0.50	14	3.9	<0.50	18	20	<2	<2	<2
GW-14(1")	04/18/08	BT for Parsons	900	-----	78	<0.50	<0.50	2.3	<0.50	18	13	<2	<2	<2.0
GW-14(1")	10/22/09	BT for Parsons	110	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-14(1")	01/13/10	BT for Parsons	950	-----	62	0.35 J	1.0	1.4	<0.50	17	18	<2	<2	<2

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GW-14(6")	05/03/07	BT for Parsons	----	----	200	5.2	220	900	----	39	----	----	----	----
GW-14(6")	10/16/08	BT for Parsons	820	----	40	<0.50	2.1	1.0	<0.50	22	16	<2	<2	<2
GW-14(6")	04/24/09	BT for Parsons	690	----	66	<0.50	0.99	0.64	<0.50	13	14	<2	<2	<2
GW-14(6")	04/15/11	BT for Parsons	----	----	----	----	----	----	----	----	----	----	----	----
GW-14(6")	04/22/11	BT for Parsons	----	----	76	<0.50	9.4	9.0	<0.50	17	7.8 J	<2	<2	0.87 J
GW-14(6")	04/20/12	Parsons	1800 b	----	19	<0.50	14	6.5	<0.50	8.5	<10	<2	<2	<2
GW-14(6")	07/10/12	Parsons	----	----	18	<0.50	16	11	<0.50	8.2	5.1 J	<2	<2	<2
GW-14(6")	04/12/13	Parsons	1800 b	4,800	30	<0.50	8.2	1.34 J	<0.50	13	10	<2	<2	0.82 J
GW-14(6")	10/09/13	Parsons	1,600 HD	3,400 HD	48	<0.50	7.3	1.2	<0.50	15	<10	<2	<2	<2
GW-14(6")	04/17/14	Parsons	2,200 HD	7,700 HD	32	<0.50	8.4	1.2	<0.50	11	64	<2	<2	<2
GW-14(6")	10/31/14	SGI	1,700	3,200	160	<0.50	1.1	0.62	<0.50	20	20	<2.0	<2.0	<2.0
GW-15(6")	05/03/07	BT for Parsons	8,500	---	1,100	1,000	130	570	<0.50	<0.50	<10	<2	<2	<2
GW-15(6")	11/03/14	SGI	32,000	11,000	2,700	78	1,100	5,100	<10	<40	<200	<40	<40	<40
GW-15(6")	04/21/15	SGI	7,700	2,100	250	<10	150	850	<10	<40	<200	<40	<40	<40
GW-15(6")	10/26/15	SGI	7,500	38,000	350	<2.5	120	655	<2.5	<10	<50	<10	<10	<10
GW-15(6")	10/26/15	SGI	7,100	9,700	370	<2.5	120	638	<2.5	<10	<50	<10	<10	<10
GW-15(6")	10/11/16	SGI	8,700	24,000	730	<2.5	<2.5	<7.5	<2.5	<5.0	<50	<10	<10	<10
GW-15(6")	10/09/17	SGI	990	610	550	<5.0	<5.0	10	<5.0	<10	<100	<20	<20	<20
GW-15(6")	04/23/18	SGI	640	360	340	<5.0	<5.0	<15	<5.0	<10	<100	<20	<20	<20
GW-15(6")	11/15/18	SGI	<100	<100	11	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GW-15(6")	04/18/19	SGI	190	350	50	2.4	0.84	11	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GW-15(6")	11/06/19	SGI	<100	140	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GW-16(6")	10/23/09	BT for Parsons	<100	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-16(6")	01/13/10	BT for Parsons	<100	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	6.4 J	<2	<2	<2
GW-16(6")	04/19/10	BT for Parsons	----	---	<0.50	<0.50	2.6	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-16(6")	10/08/10	BT for Parsons	<100	---	1.7	----	----	----	<0.50	<0.50	5.5 J	----	----	----
GW-16(6")	04/12/11	BT for Parsons	<100	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	76	<2	<2	<2
GW-16(6")	10/09/13	Parsons	<100	1,300 HD	1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-16(6")	04/17/14	Parsons	<100	<98	4.7	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-16(6")	11/03/14	SGI	2,500	250	58	6.0	88	470	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GW-16(6")	11/03/14	SGI	2,300	290	56	5.6	85	449	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GW-16(6")	04/21/15	SGI	<100	<100	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GW-16(6")	10/21/15	SGI	100	<100	7.1	<0.50	7.4	<0.50	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GW 16(6")	04/13/16	SGI	<100	<100	<0.50	<0.50	<0.50	2.3	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GW 16(6")	10/04/16	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GW-16(6")	04/18/17	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GW-16(6")	10/03/17	SGI	<100	<100	2.2	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GW-16(6")	04/17/18	SGI	<100	140	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GW-16(6")	11/09/18	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GW-16(6")	04/16/19	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GW-16(6")	10/30/19	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GWR-1	11/26/96	Terra Services	----	----	1,500	21	150	102	<5	2,700	----	----	----	----
GWR-1	07/16/97	Terra Services	1,300	920	220	<5	360	29	<5	1,800	----	----	----	----
GWR-1	01/09/98	Terra Services	210	<500	2.9	<0.50	40	240	<0.50	330	----	----	----	----
GWR-1	05/27/98	Terra Services	4,100	----	960	90	90	240	<0.50	630	----	----	----	----
GWR-1	11/17/98	Alton Geoscience	3,830	----	1,200	74	99	387	<25	1,070	----	----	----	----
GWR-1	05/07/99	Alton Geoscience	4,200	530	1,600	22	96	290	<13	910	----	----	----	----
GWR-1	11/18/99	Secor	1,300	----	220	<10	14	14	<10	690	----	----	----	----
GWR-1	05/16/00	Secor	880	----	160	<10	16	16	6.1	550	----	----	----	----
GWR-1	11/30/00	Secor	3,200	----	1,600	8.6	87	33	<0.50	360	----	----	----	----
GWR-1	05/08/01	Secor	4,400	----	1,800	170	160	235	<10	370	----	----	----	----
GWR-1	11/06/01	Secor	2,300	----	240	13	31	56	<0.50	2,400	----	----	----	----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GWR-1	04/09/02	Secor	2,500	----	580	<10	18	57	<10	4,000	----	----	----	----
GWR-1	10/23/02	Secor	1,900	----	270	<10	<10	<10	<10	2,500	----	----	----	----
GWR-1	10/07/03	Secor	1,400	----	150	1.7	7.5	20	110	1,300	----	----	----	----
GWR-1	05/06/05	Secor	16,000	----	260	610	460	2,060	<5	11	----	----	----	----
GWR-1	08/01/05	Secor	8,300	----	1,700	490	370	1,110	<20	25	----	----	----	----
GWR-1	05/04/06	Secor	3,700	----	980	23	120	343	<10	19	----	----	----	----
GWR-1	09/18/06	Secor	960	----	220	4.4	19	64	<2	5.4	----	----	----	----
GWR-1	05/02/07	Secor	750	----	170	1.3	12	<1	<2	4.1	----	----	----	----
GWR-1	04/17/08	Secor	3,600	----	1,700	17	87	60	<30	21	----	----	----	----
GWR-1	04/20/09	Blaine Tech for AMEC	5,100	----	3,000	<15	48	<15	<30	31	<300	30	<30	<30
GWR-1	05/27/10	Blaine Tech	2,100	----	800	9.5	16	34	<10	23	<100	27	<10	<10
GWR-1	04/13/11	Blaine Tech	1,300	----	490	43	31	54	<5	4.1	160	5.2	<5	<5
GWR-1	04/20/12	CH2M Hill	450	230	84	<1	4.8	<1	<2	3.4	<20	4.9	<2	<2
GWR-1	10/18/12	CHHL	440	240	140	2.2	<1.5	1.5	<3	8.6	68	15	<3	<3
GWR-1	04/11/13	CHHL	<500	330	<2.5	<2.5	<2.5	<2.5	<5	9.1	68	13	<5	<5
GWR-1	10/11/13	CHHL	<200	220	<1	<1	<1	<1	<2	6.7	120	12	<2	<2
GWR-1	04/17/14	CHHL	130	90	<0.50	<0.50	<0.50	<0.50	<0.50	6.6	180	10	<1	<1
GWR-1	10/30/14	BT for CH2MHill	<100	1,000 HD	<0.50	<0.50	<0.50	<0.50	<0.50	8.9	54	5.3	<1.0	<1.0
GWR-1R	04/18/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	0.72	<0.50	93	4.7	<1.0	<1.0
DUP-1 (GWR-1R)	04/18/17	BT for CH2MHill	<50	55J	<0.50	<0.50	<0.50	<0.50	0.59	<0.50	82	3.7	<1.0	<1.0
GWR-1R	10/05/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	0.96	<0.50	76	5.2	<1.0	<1.0
DUP-2 (GWR-1R)	10/05/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	1.0	<0.50	100	5.6	<1.0	<1.0
GWR-1R	04/18/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	1.1	0.52	90	5.7	<1	<1
DUP (GWR-1R)	04/18/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	1.0	<0.50	79	5.2	<1	<1
GWR-1R	11/08/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	1.1	<0.50	61	3.3	<1.0	<1.0
DUP-2 (GWR-1R)	11/08/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	1.0	<0.50	50	3.3	<1.0	<1.0
GWR-1R	04/18/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	1.0	<0.50	28	1.4	<1	<1
DUPE (GWR-1R)	04/18/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	1.1	<0.50	30	1.4	<1	<1
GWR-1R	11/01/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	1.2	<0.50	<10	<1.0	<1.0	<1.0
DUP-2 (GWR-1R)	11/01/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	1.2	<0.50	<10	<1.0	<1.0	<1.0
GWR-3	10/08/10	Blaine Tech	21,000	----	10,000	<100	<100	<100	<200	400	<2,000	<200	<200	<200
GWR-3	04/13/11	Blaine Tech	25,000	----	11,000	<50	<50	<50	<100	300	<1,000	<100	<100	<100
GWR-3	10/13/11	CH2M Hill	<20,000	----	9,100	<100	<100	<100	<200	280	<2,000	<200	<200	<200
HL-2	11/27/96	Terra Services	----	----	2,600	100	560	390	170	3,000	----	----	----	----
HL-2	07/16/97	Terra Services	1,400	530	200	1.2	150	13	74	810	----	----	----	----
HL-2	01/09/98	Terra Services	150	----	<0.50	0.79	3.5	<1.5	40	570	----	----	----	----
HL-2	01/12/98	Terra Services	----	<500	----	----	----	----	----	----	----	----	----	----
HL-2	05/27/98	Terra Services	500	----	72	9.0	6.0	42	60	308	----	----	----	----
HL-2	11/17/98	Alton Geoscience	<300	----	0.95	<0.50	<0.50	0.60	0.94	14	----	----	----	----
HL-2	05/07/99	Alton Geoscience	<500	<500	1.8	5.1	<0.50	1.8	<1	4.8	----	----	----	----
HL-2	11/19/99	Secor	<300	----	2.0	<0.50	<0.50	<0.50	2.6	36	----	----	----	----
HL-2	05/16/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	1.4	14	----	----	----	----
HL-2	11/29/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	3.2	----	----	----	----
HL-2	05/08/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	7.3	----	----	----	----
HL-2	11/06/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.80	----	----	----	----
HL-2	04/09/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
HL-2	04/08/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.85	----	----	----	----
HL-2	07/08/03	Geomatrix	----	----	<0.50	<1	<1	<1	<0.50	<1	----	----	----	----
HL-2	10/07/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.96	----	----	----	----
HL-2	04/21/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	7.9	----	----	----	----
HL-2	07/08/04	Geomatrix	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.67	----	----	----	----
HL-2	05/06/05	Secor	280	----	78	<0.50	<0.50	1.2	15	130	----	----	----	----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
HL-2	11/03/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<1	1.8	----	----	----	----
HL-2	05/09/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	1.7	----	----	----	----
HL-2	12/06/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
HL-2	05/02/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
HL-2	11/13/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
HL-2	04/17/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.56	----	----	----	----
HL-2	10/17/08	Stantec	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
HL-2	04/20/09	Blaine Tech for AMEC	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-2	10/21/09	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-2	05/26/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-2	10/06/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-2	04/12/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.57	<10	<1	<1	<1
HL-2	10/11/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-2	04/17/12	CH2M Hill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-2	10/16/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-2	04/10/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-2	10/09/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-2	04/15/14	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-2	10/29/14	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.58	<10	<1.0	<1.0	<1.0
HL-2	04/22/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	0.61	<0.50	0.88	<10	<1.0	<1.0	<1.0
HL-2	10/21/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
HL 2	04/13/16	BT for CH2MHill	<50	63	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
HL-2	10/05/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
DUP-2 (HL-2)	10/05/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
HL-2	04/18/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
HL-2	10/05/17	BT for CH2MHill	<50	270	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
HL-2	04/19/18	BT for Jacobs	<50	72	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-2	11/07/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
HL-2	04/18/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-2	11/01/19	BT for Jacobs	<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	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	1.4	110	----	----	----	----
HL-3	11/06/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	1.6	93	----	----	----	----
HL-3	04/10/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	1.1	77	----	----	----	----
HL-3	10/23/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	85	----	----	----	----
HL-3	10/07/03	Secor	80	----	<0.50	<0.50	<0.50	<0.50	<0.50	67	----	----	----	----
HL-3	05/06/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
HL-3	05/03/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
HL-3	05/02/07	Secor	81	----	<0.50	<0.50	<0.50	<0.50	<0.50	38	----	----	----	----
HL-3	04/17/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	4.7	----	----	----	----
HL-3	04/20/09	Blaine Tech for AMEC	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	<10	<1	<1	<1
HL-3	05/27/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-3	04/12/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-3	04/18/12	CH2M Hill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-3	04/10/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-3	10/10/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-3	04/16/14	CHHL	<50	130	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-3	10/30/14	BT for CH2MHill	<100	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
HL-3	04/22/15	BT for CH2MHill	<50	70	<0.50	<0.50	<0.50	<0.50	<0.50	1.4	<10	<1.0	<1.0	<1.0
HL-3	10/23/15	BT for CH2MHill	60 HD	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
HL 3	04/13/16	BT for CH2MHill	<50	100	<0.50	<0.50	0.80	3.0	<0.50	<0.50	<10	<1.0	<1.0	<1.0
HL-3	10/06/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
HL-3	04/18/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0

APPENDIX D
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 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
HL-3	10/05/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
HL-3	04/18/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-3	11/09/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
HL-3	04/18/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-3	10/30/19	BT for Jacobs	<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	Terra Services	-----	-----	<10	3.2	350	8.5	<3	1,200	-----	-----	-----	-----
HL-4	07/16/97	Terra Services	270	<500	76	<1	<1	17	33	1,500	-----	-----	-----	-----
HL-4	01/08/98	Terra Services	590	660	170	13	7.1	5.0	90	2,300	-----	-----	-----	-----
HL-4	05/27/98	Terra Services	1,100	-----	156	26	15	120	28	440	-----	-----	-----	-----
HL-4	11/17/98	Alton Geoscience	2,030	-----	700	76	20	108	<0.50	904	-----	-----	-----	-----
HL-4	05/07/99	Alton Geoscience	2,800	<500	1,100	31	130	84	<6	1,500	-----	-----	-----	-----
HL-4	11/18/99	Secor	2,500	-----	720	<10	<10	118	<10	520	-----	-----	-----	-----
HL-4	05/16/00	Secor	1,200	-----	300	<10	<10	29	51	740	-----	-----	-----	-----
HL-4	11/29/00	Secor	1,900	-----	26	<10	<10	<10	89	2,800	-----	-----	-----	-----
HL-4	05/08/01	Secor	1,700	-----	39	<0.50	0.50	1.7	27	3,300	-----	-----	-----	-----
HL-4	11/06/01	Secor	950	-----	97	<0.50	<0.50	0.90	<0.50	930	-----	-----	-----	-----
HL-4	04/09/02	Secor	1,600	-----	940	<5	<5	35	<5	200	-----	-----	-----	-----
HL-4	10/23/02	Secor	<300	-----	8.5	<5	<5	<5	<5	1,100	-----	-----	-----	-----
HL-4	04/08/03	Secor	1,500	-----	2.8	<2.5	<2.5	<2.5	36	2,200	-----	-----	-----	-----
HL-4	10/07/03	Secor	690	-----	140	<1	<1	<1	<2	480	-----	-----	-----	-----
HL-4	04/21/04	Secor	340	-----	39	<0.50	<0.50	<0.50	<1	370	-----	-----	-----	-----
HL-4	11/03/04	Secor	200	-----	54	<0.50	<0.50	<0.50	<0.50	13	-----	-----	-----	-----
HL-5	07/14/97	Terra Services	950	3,200	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
HP-1	08/07/97	GTI	-----	-----	<5	<5	<5	<10	<5	<5	-----	-----	-----	-----
HP-2	08/07/97	GTI	-----	-----	<5	<5	<5	<10	<5	<5	-----	-----	-----	-----
HP-3	08/07/97	GTI	-----	-----	<5	<5	<5	<10	<5	<5	-----	-----	-----	-----
HP-6	08/08/97	GTI	-----	-----	<5	<5	<5	<10	<5	<5	-----	-----	-----	-----
HP-8	08/08/97	GTI	-----	-----	11,000	12,000	1,200	7,300	<500	<500	-----	-----	-----	-----
MW-6	11/22/96	Terra Services	-----	-----	<0.50	<0.50	<0.50	<1.5	130	70	-----	-----	-----	-----
MW-6	07/16/97	Terra Services	<100	<500	<0.50	<0.50	<0.50	<1	32	62	-----	-----	-----	-----
MW-6	01/05/98	Terra Services	<100	<500	<0.50	<0.50	<0.50	<1.5	11	39	-----	-----	-----	-----
MW-6	05/26/98	Terra Services	<300	-----	<2.5	<2.5	<2.5	<5	118	107	-----	-----	-----	-----
MW-6	11/17/98	Alton Geoscience	<300	-----	4.8	12	1.5	9.9	9.2	13	-----	-----	-----	-----
MW-6	05/07/99	Alton Geoscience	<500	<500	<0.50	1.5	<0.50	<0.50	83	120	-----	-----	-----	-----
MW-6	11/16/99	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	20	18	-----	-----	-----	-----
MW-6	05/19/00	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	14	12	-----	-----	-----	-----
MW-6	11/28/00	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	12	3.0	-----	-----	-----	-----
MW-6	05/09/01	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	9.8	11	-----	-----	-----	-----
MW-6	11/07/01	IT Corporation	<300	-----	<0.50	<0.50	<0.50	<0.50	11	6.2	-----	-----	-----	-----
MW-6	04/11/02	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	7.6	6.0	-----	-----	-----	-----
MW-6	10/24/02	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	9.4	4.6	-----	-----	-----	-----
MW-6	04/10/03	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	7.4	3.2	-----	-----	-----	-----
MW-6	10/08/03	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	9.1	2.5	-----	-----	-----	-----
MW-6	04/21/04	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	4.9	2.8	-----	-----	-----	-----
MW-6	11/05/04	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	4.0	4.0	-----	-----	-----	-----
MW-6	05/05/05	Secor	89	-----	<0.50	<0.50	<0.50	<0.50	16	61	-----	-----	-----	-----
MW-6	11/03/05	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	9.9	30	-----	-----	-----	-----
MW-6	05/03/06	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	6.8	2.5	-----	-----	-----	-----
MW-6	12/07/06	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	7.1	2.7	-----	-----	-----	-----
MW-6	05/05/07	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	4.0	2.5	-----	-----	-----	-----
MW-6	11/14/07	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	3.4	2.3	-----	-----	-----	-----
MW-6	04/17/08	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	2.2	2.7	-----	-----	-----	-----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-6	10/17/08	Stantec	<50	----	<0.50	<0.50	<0.50	<0.50	2.5	4.0	----	----	----	----
MW-6	04/22/09	Blaine Tech for AMEC	<50	----	<0.50	<0.50	<0.50	<0.50	1.6	0.69	<10	<1	<1	<1
MW-6	10/21/09	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	1.5	1.0	<10	<1	<1	<1
MW-6	05/27/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	1.5	1.9	<10	<1	<1	<1
MW-6	10/06/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	2.7	2.0	<10	<1	<1	<1
MW-6	04/12/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	1.7	2.3	<10	<1	<1	<1
MW-6	10/11/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	1.2	1.0	<10	<1	<1	<1
MW-6	04/19/12	CH2M Hill	<50	<50	<0.50	<0.50	<0.50	<0.50	0.86	<0.50	<10	<1	<1	<1
MW-6	10/17/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-6	04/10/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	0.70	<0.50	<10	<1	<1	<1
MW-6	10/10/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	0.82	0.51	<10	<1	<1	<1
MW-6	04/16/14	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	0.58	0.55	<10	<1	<1	<1
MW-6	10/29/14	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	0.51	0.67	<10	<1.0	<1.0	<1.0
MW-6	04/22/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.0	<10	<1.0	<1.0	<1.0
MW-6	10/23/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	0.99	1.9	<10	1.1	<1.0	<1.0
MW 6	04/14/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	0.72	1.2	<10	<1.0	<1.0	<1.0
MW-6	10/05/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	0.96	1.2	<10	<1.0	<1.0	<1.0
MW-6	04/19/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	0.99	2.2	<10	<1.0	<1.0	<1.0
MW-6	10/03/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	14	2.0	<10	1.3	<1.0	<1.0
MW-6	04/17/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	7.5	3.6	<10	2.3	<1	<1
MW-6	11/07/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	1.3	1.6	<10	<1.0	<1.0	<1.0
MW-6	04/17/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	3.1	1.8	<10	<1	<1	<1
MW-6	10/29/19	BT for Jacobs	<50	67	<0.50	<0.50	<0.50	<0.50	2.7	0.76	<10	<1.0	<1.0	<1.0
MW-7	11/25/96	Terra Services	----	----	3.5	<1	16	<3	6.8	1,000	----	----	----	----
MW-7	07/14/97	Terra Services	540	<500	88	<3	<3	<3	<3	790	----	----	----	----
MW-7	01/08/98	Terra Services	150	<500	9.0	<0.50	<0.50	<1.5	4.1	400	----	----	----	----
MW-7	05/26/98	Terra Services	400	----	<5	<5	7.0	10	380	----	----	----	----	----
MW-7	11/17/98	Alton Geoscience	<300	----	5.4	7.0	<5	<5	<5	351	----	----	----	----
MW-7	05/07/99	Alton Geoscience	<500	<500	0.79	2.2	<0.50	0.71	6.8	540	----	----	----	----
MW-7	11/16/99	Secor	540	----	8.5	<0.50	<0.50	<0.50	4.7	670	----	----	----	----
MW-7	05/17/00	Secor	590	----	<5	<5	<5	<5	14	900	----	----	----	----
MW-7	11/30/00	Secor	590	----	4.1	<0.50	<0.50	<0.50	5.4	640	----	----	----	----
MW-7	05/09/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	3.1	36	----	----	----	----
MW-7	11/06/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	2.4	8.2	----	----	----	----
MW-7	04/10/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	1.6	71	----	----	----	----
MW-7	10/23/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	2.0	5.0	----	----	----	----
MW-7	04/10/03	Secor	57	----	<0.50	<0.50	<0.50	<0.50	1.6	1.3	----	----	----	----
MW-7	10/07/03	Secor	67	----	<0.50	<0.50	<0.50	<0.50	1.5	1.2	----	----	----	----
MW-7	04/21/04	Secor	62	----	<0.50	<0.50	<0.50	<0.50	0.68	1.4	----	----	----	----
MW-7	11/03/04	Secor	58	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.85	----	----	----	----
MW-7	05/06/05	Secor	58	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.82	----	----	----	----
MW-7	11/03/05	Secor	<100	----	<0.50	<0.50	<0.50	<0.50	<1	<0.50	----	----	----	----
MW-7	05/03/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-7	12/06/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	0.65	1.5	----	----	----	----
MW-7	05/02/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	0.64	0.83	----	----	----	----
MW-7	11/13/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	0.57	0.83	----	----	----	----
MW-7	04/17/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.80	----	----	----	----
MW-7	10/17/08	Stantec	<50	----	<0.50	<0.50	<0.50	<0.50	1.8	0.94	----	----	----	----
MW-7	04/20/09	Blaine Tech for AMEC	<50	----	<0.50	<0.50	<0.50	<0.50	2.1	0.60	<10	2.9	<1	<1
MW-7	10/21/09	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	2.8	0.56	<10	2.0	<1	<1
MW-7	05/26/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	0.87	<0.50	<10	5.5	<1	<1
MW-7	10/07/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	1.0	0.64	260	9.3	<1	<1

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-7	04/12/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	1.4	<0.50	98	6.0	<1	<1
MW-7	10/11/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	0.99	<0.50	25	1.5	<1	<1
MW-7	04/18/12	CH2M Hill	<50	<50	<0.50	<0.50	<0.50	<0.50	1.4	<0.50	<10	<1	<1	<1
MW-7	10/17/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	1.0	<0.50	<10	<1	<1	<1
MW-7	04/10/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	1.3	<0.50	<10	<1	<1	<1
MW-7	10/10/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	1.1	<0.50	<10	<1	<1	<1
MW-7	04/16/14	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	1.2	<0.50	<10	<1	<1	<1
MW-7	10/29/14	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	0.82	<0.50	<10	<1.0	<1.0	<1.0
MW-7	04/22/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-7	10/23/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	1.0	<0.50	<10	<1.0	<1.0	<1.0
MW 7	04/14/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	0.78	<0.50	<10	<1.0	<1.0	<1.0
MW-7	10/05/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	1.1	<0.50	<10	<1.0	<1.0	<1.0
MW-7	04/19/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	0.77	<0.50	<10	<1.0	<1.0	<1.0
MW-7	10/03/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-7	04/17/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	0.61	<0.50	<10	<1	<1	<1
MW-7	11/07/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	0.94	<0.50	<10	<1.0	<1.0	<1.0
MW-7	04/18/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	1.1	<0.50	<10	<1	<1	<1
MW-7	10/29/19	BT for Jacobs	<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	Terra Services	----	----	4,400	<30	<30	<80	<30	26,000	----	----	----	----
MW-8	07/17/97	Terra Services	<100	520	<10	<10	<10	<20	<10	11,000	----	----	----	----
MW-8	01/02/98	Terra Services	<100	<500	<0.50	<0.50	<0.50	<1.5	<0.50	14	----	----	----	----
MW-8	05/20/98	Terra Services	400	----	<2.5	<2.5	<2.5	<5	<2.5	554	----	----	----	----
MW-8	11/17/98	Alton Geoscience	<300	----	2.4	6.0	0.80	4.6	<0.50	56	----	----	----	----
MW-8	05/07/99	Alton Geoscience	<500	<500	<0.50	<0.50	<0.50	<0.50	<1	52	----	----	----	----
MW-8	11/18/99	Secor	<416	----	<0.50	<0.50	<0.50	<0.50	<0.50	7.2	----	----	----	----
MW-8	05/17/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	3.0	----	----	----	----
MW-8	11/29/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	15	----	----	----	----
MW-8	02/06/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	380	----	----	----	----
MW-8	05/08/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	430	----	----	----	----
MW-8	09/19/01	Secor	790	----	<0.50	<0.50	<0.50	<0.50	<0.50	1,000	----	----	----	----
MW-8	01/30/02	Secor	1,700	----	<10	<10	<10	<10	<10	1,900	----	----	----	----
MW-8	04/10/02	Secor	1,500	----	11	<10	<10	<10	<10	2,200	----	----	----	----
MW-8	10/22/02	Secor	<300	----	150	<10	12	<10	<10	750	----	----	----	----
MW-8	01/29/03	Secor	<300	----	<1	<1	<1	<1	<1	190	----	----	----	----
MW-8	04/09/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	28	----	----	----	----
MW-8	07/30/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	13	----	----	----	----
MW-8	10/06/03	Secor	79	----	<0.50	<0.50	<0.50	<0.50	<0.50	4.7	----	----	----	----
MW-8	01/28/04	Secor	100	----	<0.50	<0.50	<0.50	<0.50	<0.50	4.0	----	----	----	----
MW-8	04/20/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.61	----	----	----	----
MW-8	07/19/04	Secor	80	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.95	----	----	----	----
MW-8	11/02/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-8	02/02/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	1.8	----	----	----	----
MW-8	05/04/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	----	----	----	----
MW-8	08/02/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	2.4	----	----	----	----
MW-8	11/01/05	Secor	110	----	<0.50	<0.50	<0.50	4.2	<0.50	0.60	----	----	----	----
MW-8	02/27/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.65	----	----	----	----
MW-8	05/02/06	Secor	<100	----	<0.50	<0.50	<0.50	<0.50	<1	1.1	----	----	----	----
MW-8	09/19/06	Secor	<100	----	<0.50	<0.50	<0.50	<0.50	<1	1.6	----	----	----	----
MW-8	12/06/06	Secor	<100	----	<0.50	<0.50	<0.50	<0.50	<1	0.61	----	----	----	----
MW-8	03/13/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-8	05/04/07	Secor	<200	----	<1	<1	<1	<1	<2	<1	----	----	----	----
MW-8	08/29/07	Secor	<200	----	<1	<1	<1	<1	<2	<1	----	----	----	----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-8	11/13/07	Secor	<100	----	<0.50	<0.50	<0.50	<0.50	<1	1.9	----	----	----	----
MW-8	02/07/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	1.7	----	----	----	----
MW-8	04/18/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	3.3	----	----	----	----
MW-8	10/14/08	Stantec	<100	----	<0.50	<0.50	<0.50	<0.50	<1	0.59	----	----	----	----
MW-8	04/23/09	Blaine Tech for AMEC	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	1.0	2,000	<1	<1	<1
MW-8	10/21/09	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.69	570	<1	<1	<1
MW-8	05/27/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.62	<10	<1	<1	<1
MW-8	10/07/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.53	<1,600	<1	<1	<1
MW-8	04/13/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1,100	<1	<1	<1
MW-8	10/11/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	970	<1	<1	<1
MW-8	04/19/12	CH2M Hill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	71	<1	<1	<1
MW-8	10/17/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	220	<1	<1	<1
MW-8	04/10/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-8	10/10/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-8	04/16/14	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-8	10/30/14	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.9	<10	<1.0	<1.0	<1.0
MW-8	04/23/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.3	<10	<1.0	<1.0	<1.0
MW-8	10/23/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.51	<10	<1.0	<1.0	<1.0
MW-8	04/14/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-8	10/05/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.85	<10	<1.0	<1.0	<1.0
MW-8	04/18/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-8	10/04/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-8	04/18/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-8	11/08/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-8	04/18/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-8	10/31/19	BT for Jacobs	1,200	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-9	11/26/96	Terra Services	----	----	18	<0.50	69	1.6	<0.50	<5	----	----	----	----
MW-9	07/17/97	Terra Services	1,400	2,900	40	<1	140	22	<1	<10	----	----	----	----
MW-9	01/08/98	Terra Services	1,100	570	19	0.74	55	2.4	<0.50	<5	----	----	----	----
MW-9	05/26/98	Terra Services	4,700	----	69	<0.30	51	97	<2.5	10	----	----	----	----
MW-9	11/18/99	Secor	1,800	----	24	<0.50	2.7	2.0	<0.50	<0.50	----	----	----	----
MW-9	05/19/00	Secor	1,300	----	12	<0.50	0.80	0.50	<0.50	1.8	----	----	----	----
MW-9	11/05/04	Secor	2,500	----	27	<0.50	0.84	0.52	<1	52	----	----	----	----
MW-9	05/06/05	Secor	780	----	2.3	<1	25	<1	<2	110	----	----	----	----
MW-9	11/01/05	Secor	1,700	----	9.3	<1	4.7	5.3	<2	120	----	----	----	----
MW-9	05/04/06	Secor	1,000	----	13	<0.50	2.2	1.4	<1	140	----	----	----	----
MW-9	12/08/06	Secor	1,400	----	16	<0.50	<0.50	<0.50	<0.50	160	----	----	----	----
MW-9	05/04/07	Secor	1,700	----	9.2	<0.50	0.50	<0.50	<1	130	----	----	----	----
MW-9	04/18/08	Secor	2,500	----	51	<1	1.7	1.9	<2	16	----	----	----	----
MW-9	10/14/08	Stantec	1,600	----	27	<1	<1	<1	<2	26	----	----	----	----
MW-9	04/23/09	Blaine Tech for AMEC	1,600	----	33	<2.5	<2.5	<2.5	<5	6.2	130	<5	<5	<5
MW-9	05/27/10	Blaine Tech	1,600	----	24	<5	<5	<5	<10	<5	<100	<10	<10	<10
MW-9	10/07/10	Blaine Tech	2,400	----	23	<2	<2	<2	<4	3.3	50	<4	<4	<4
MW-9	04/14/11	Blaine Tech	1,400	----	18	<5	<5	<5	<10	<5	<100	<10	<10	<10
MW-9	10/12/11	CH2M Hill	1,200	----	17	<2.5	<2.5	<2.5	<5	<2.5	<5	<5	<5	<5
MW-9	04/20/12	CH2M Hill	2,200	4,500	20	<5	<5	<5	<10	<5	<100	<10	<10	<10
MW-9	10/17/12	CHHL	1,200	2,500	9.1	<2.5	<2.5	<2.5	<5	3.7	<50	<5	<5	<5
MW-9	04/11/13	CHHL	870	4,400	4.8	<2.5	<2.5	<2.5	<5	4.5	<50	<5	<5	<5
MW-9	10/10/13	CHHL	1,200	2,100	4.2	<1	<1	<1	<2	11	45	<2	<2	<2
MW-9	04/17/14	CHHL	1,100	2,500	<2.5	<2.5	<2.5	<2.5	<5	13	150	<5	<5	<5
MW-9	10/30/14	BT for CH2MHill	<500	2,600	<2.5	<2.5	<2.5	<2.5	<5.0	6.7	51	<5.0	<5.0	<5.0
MW-9	04/23/15	BT for CH2MHill	660	2,900	5.0	3.6	2.6	24	<5.0	6.4	83	<5.0	<5.0	<5.0

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-9	10/26/15	BT for CH2MHill	420	1,600	<0.50	<0.50	<0.50	<0.50	<1.0	5.8	40	<1.0	<1.0	<1.0
MW 9	04/14/16	BT for CH2MHill	260	1,100	1.7	<0.50	<0.50	<0.50	<0.50	1.8	30	<1.0	<1.0	<1.0
MW-9	10/05/16	BT for CH2MHill	85	280	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	22	<1.0	<1.0	<1.0
MW-9	04/19/17	BT for CH2MHill	99	600 J	<0.50	<0.50	<0.50	<0.50	<0.50	1.4	20	<1.0	<1.0	<1.0
DUP-4 (MW-9)	04/19/17	BT for CH2MHill	96	590	<0.50	<0.50	<0.50	<0.50	<0.50	1.4	19	<1.0	<1.0	<1.0
MW-9	10/05/17	BT for CH2MHill	<100	340	<0.50	<0.50	<0.50	<0.50	<1.0	2.6	22	<1.0	<1.0	<1.0
DUP-4 (MW-9)	10/05/17	BT for CH2MHill	<100	360	<0.50	<0.50	<0.50	<0.50	<1.0	2.6	18	<1.0	<1.0	<1.0
MW-9	04/19/18	BT for Jacobs	66	250	<0.50	<0.50	<0.50	<0.50	<0.50	1.8	15	<1	<1	<1
DUP (MW-9)	04/19/18	BT for Jacobs	68	220	<0.50	<0.50	<0.50	<0.50	<0.50	1.6	<10	<1	<1	<1
MW-9	11/09/18	BT for Jacobs	<50	340	<0.50	<0.50	<0.50	<0.50	<1.0	1.0	14	<1.0	<1.0	<1.0
DUP-4 (MW-9)	11/09/18	BT for Jacobs	53	340	<0.50	<0.50	<0.50	<0.50	<1.0	0.95	15	<1.0	<1.0	<1.0
MW-9	04/18/19	BT for Jacobs	<100	130	<0.50	<0.50	<0.50	<0.50	<1	0.67	<10	<1	<1	<1
DUPE (MW-9)	04/18/19	BT for Jacobs	<100	180	<0.50	<0.50	<0.50	<0.50	<1	0.57	<10	<1	<1	<1
MW-9	10/30/19	BT for Jacobs	<50	280	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<1.0	<1.0	<1.0
MW-10	11/21/96	GSI	<38	<500	<0.50	<0.50	5.1	2.3	<0.50	-----	-----	-----	-----	-----
MW-10	07/09/97	GTI	<50	170	<0.50	<1	2.0	<2	-----	-----	-----	-----	-----	-----
MW-10	01/06/98	GTI	<500	<100	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
MW-10	05/20/98	BBC	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
MW-10	11/04/98	GTI	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
MW-10	05/27/99	GTI	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
MW-10	11/18/99	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
MW-10	05/16/00	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
MW-10	11/29/00	IT Corporation	<300	-----	<0.30	<0.30	<0.30	2.4	-----	<5	-----	-----	-----	-----
MW-10	05/09/01	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
MW-10	11/07/01	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
MW-10	04/10/02	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
MW 10	04/14/16	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
MW-11	12/01/00	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
MW-11	05/10/01	IT Corporation	<300	-----	1.0	<0.30	0.61	<0.60	-----	13	-----	-----	-----	-----
MW-11	11/07/01	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
MW-11	04/10/02	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	19	-----	-----	-----	-----
MW-11	04/14/03	GTI	-----	-----	84	1.5	59	51	-----	<3	-----	-----	-----	-----
MW-11	10/10/03	BT for Parsons	-----	-----	<0.30	<0.30	0.42	0.95	-----	12	-----	-----	-----	-----
MW-11	04/22/04	BT for Parsons	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	6.4	-----	-----	-----	-----
MW-11	11/06/04	BT for Parsons	-----	-----	2.3	<0.30	0.64	5.9	-----	8.1	-----	-----	-----	-----
MW-11	05/07/05	BT for Parsons	-----	-----	0.34	0.61	<0.30	0.60	-----	13	-----	-----	-----	-----
MW-11	11/08/05	BT for Parsons	-----	-----	0.33	<0.30	<0.30	0.69	-----	37	-----	-----	-----	-----
MW-11	05/05/06	BT for Parsons	-----	-----	1.6	3.4	3.4	6.9	-----	11	-----	-----	-----	-----
MW-11	12/08/06	BT for Parsons	-----	-----	3.1	<0.50	<0.50	<1	-----	20	-----	-----	-----	-----
MW-11	05/03/07	BT for Parsons	-----	-----	4.3	<0.50	0.86	1.1	-----	43	-----	-----	-----	-----
MW-11	11/14/07	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<1	-----	18	-----	-----	-----	-----
MW-11	04/18/08	BT for Parsons	-----	-----	<0.50	<0.50	1.0	1.5	-----	<5	-----	-----	-----	-----
MW-11	10/17/08	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	12	<10	<2	<2	<2
MW-11	04/24/09	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	8.7	<10	<2	<2	<2
MW-11	10/22/09	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	3.9	<10	<2	<2	<2
MW-11	04/14/10	BT for Parsons	-----	-----	<0.50	<0.50	0.58	<0.50	-----	3.8	<10	<2	<2	<2
MW-11	04/19/12	Parsons	220	-----	<0.50	<0.50	<0.50	0.31 J	<0.50	<0.50	<10	<2	<2	<2
MW-11	07/10/12	Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-12	05/22/98	Terra Services	<300	-----	<0.50	<0.50	<0.50	<1	<0.10	<0.50	-----	-----	-----	-----
MW-12	11/11/98	Alton Geoscience	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-12	05/07/99	Alton Geoscience	<500	<500	1.2	4.8	<0.50	2.1	<1	<0.50	-----	-----	-----	-----
MW-12	11/16/99	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-12	05/19/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-12	11/30/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-12	05/09/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-12	11/07/01	IT Corporation	<300	----	1.3	1.1	<0.50	0.70	<0.50	<0.50	----	----	----	----
MW-12	04/11/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-12	10/24/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-12	04/10/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-12	10/08/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-12	04/22/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-12	11/05/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-12	05/05/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-12	11/03/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-12	05/03/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-12	12/07/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-12	05/05/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-12	11/14/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-12	04/17/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-12	10/21/08	Stantec	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-12	04/22/09	Blaine Tech for AMEC	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	10/21/09	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	05/26/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	10/06/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	04/12/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	10/11/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	04/18/12	CH2M Hill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	10/18/12	CHHL	<50	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	04/10/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	10/09/13	CHHL	<50	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	04/16/14	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	10/29/14	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-12	04/22/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-12	11/06/15	BT for CH2MHill	<50	61	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-12	04/13/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-12	10/05/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-12	04/18/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-12	10/04/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-12	04/18/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	11/07/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-12	04/19/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	10/29/19	BT for Jacobs	<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	GSI	1,100	<500	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-13	07/09/97	GTI	<50	<50	<0.50	<1	<1	<2	----	----	----	----	----	----
MW-13	01/06/98	GTI	<500	<100	<0.30	<0.30	<0.30	<0.60	----	----	----	----	----	----
MW-13	05/20/98	BBC	<300	----	<0.30	<0.30	<0.30	<0.60	----	----	----	----	----	----
MW-13	11/05/98	GTI	<300	----	<0.30	<0.30	<0.30	<0.60	----	----	----	----	----	----
MW-13	05/26/99	GTI	<300	----	<0.30	<0.30	<0.30	<0.60	----	----	----	----	----	----
MW-13	11/18/99	IT Corporation	<300	----	<0.30	<0.30	<0.30	<0.60	----	----	----	----	----	----
MW-13	05/17/00	IT Corporation	<300	----	<0.30	1.2	<0.30	0.91	----	----	----	----	----	----
MW-13	11/29/00	IT Corporation	<300	----	<0.30	<0.30	<0.30	0.89	----	<5	----	----	----	----
MW-13	03/30/01	IT Corporation	----	----	----	----	----	----	----	----	----	----	----	----
MW-13	05/09/01	IT Corporation	<300	----	<0.30	<0.30	<0.30	<0.60	----	<5	----	----	----	----
MW-13	11/07/01	IT Corporation	<300	----	<0.30	<0.30	<0.30	<0.60	----	14	----	----	----	----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-13	04/10/02	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-13	10/23/02	GTI	<300	----	<0.50	<1	<1	<1	<0.50	<1	----	----	----	----
MW-13	04/09/03	GTI	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-13	10/08/03	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-13	04/21/04	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	11/03/04	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	05/05/05	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	11/05/05	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	05/03/06	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	12/05/06	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	05/02/07	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	11/13/07	BT for Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	04/16/08	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	10/15/08	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	04/20/09	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	10/22/09	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	04/19/10	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	10/06/10	BT for Parsons	----	----	<0.50	----	----	----	<0.50	<0.50	<10	----	----	----
MW-13	04/12/11	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	10/12/11	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	04/17/12	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	10/16/12	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	04/09/13	Parsons	----	140 b	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	10/08/13	Parsons	<100	330 HD	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	04/15/14	Parsons	<100	97 HD	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	12	<2	<2	<2
MW-13	10/28/14	SGI	<100	100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
MW-13	04/28/15	SGI	<100	<100	0.63	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
MW-13	10/22/15	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
MW 13	04/12/16	SGI	<100	<100	0.95	<0.50	2.0	6.2	<0.50	<1.0	<10	<2.0	<2.0	<2.0
MW-13	10/04/16	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
MW-13	04/18/17	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
MW-13	10/03/17	SGI	<100	270	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
MW-13	04/17/18	SGI	<100	130	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
MW-13	11/09/18	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
MW-13	04/16/19	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
MW-13	10/29/19	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
MW-14	11/21/96	GSI	<50	<500	<0.50	<0.50	<0.50	<1.5	<0.50	99	----	----	----	----
MW-14	07/09/97	GTI	<50	200	<5	<5	<5	<5	<5	----	----	----	----	----
MW-14	01/06/98	GTI	<500	<100	107	<0.50	4.0	10	2.0	15	----	----	----	----
MW-14	05/20/98	BBC	400	----	24	<0.50	7.0	14	<0.50	12	----	----	----	----
MW-14	08/26/98	Geomatrix	<300	----	<0.50	<0.50	0.70	2.1	<0.50	109	----	----	----	----
MW-14	11/04/98	GTI	<300	----	<0.50	2.8	4.8	25	<0.50	49	----	----	----	----
MW-14	02/03/99	Alton Geoscience	<500	<500	<0.50	<0.50	<0.50	<1	<1	86	----	----	----	----
MW-14	05/07/99	Alton Geoscience	<500	<500	<0.50	<0.50	<0.50	0.53	<1	450	----	----	----	----
MW-14	05/26/99	GTI	<300	----	<0.50	<0.50	0.70	1.1	<0.50	230	----	----	----	----
MW-14	08/10/99	Alton Geoscience	<500	<1,000	<0.50	<1	<1	<1	2.9	110	----	----	----	----
MW-14	11/18/99	IT Corporation	<300	----	<2.5	<5	<5	<5	12	26	----	----	----	----
MW-14	02/29/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	36	15	----	----	----	----
MW-14	05/16/00	IT Corporation	<300	----	<0.50	<0.50	<0.50	1.4	42	7.7	----	----	----	----
MW-14	08/29/00	Secor	<300	----	<0.50	<0.50	<0.50	0.60	38	9.6	----	----	----	----
MW-14	11/29/00	IT Corporation	<300	----	<0.50	<0.50	0.50	0.90	15	18	----	----	----	----
MW-14	02/06/01	Secor	<300	----	<0.50	<0.50	<0.50	0.50	11	13	----	----	----	----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-14	05/09/01	IT Corporation	<300	----	<0.50	<0.50	1.8	7.4	32	8.2	----	----	----	----
MW-14	09/19/01	Secor	<300	----	<0.50	<0.50	<0.50	1.1	23	15	----	----	----	----
MW-14	11/07/01	IT Corporation	<300	----	<0.50	<0.50	0.80	2.3	29	10	----	----	----	----
MW-14	01/30/02	Secor	<300	----	<0.50	<0.50	<0.50	1.5	8.1	25	----	----	----	----
MW-14	04/10/02	IT Corporation	<300	----	<0.50	<0.50	2.7	6.4	4.1	24	----	----	----	----
MW-14	07/30/02	IT Corporation	<300	----	<0.50	<0.50	0.98	2.4	3.9	25	----	----	----	----
MW-14	10/23/02	GTI	<300	----	<0.50	<1	<1	<1	4.3	22	----	----	----	----
MW-14	01/28/03	Secor	<300	----	<0.50	<0.50	<0.50	0.67	5.9	17	----	----	----	----
MW-14	04/11/03	GTI	----	----	<0.50	<0.50	<0.50	<0.50	1.8	17	----	----	----	----
MW-14	10/10/03	BT for Parsons	----	----	<0.50	<0.50	1.2	4.0	7.4	19	----	----	----	----
MW-14	04/22/04	BT for Parsons	----	----	<0.50	<0.50	<0.50	0.89	4.7	19	<10	<2	<2	<2
MW-14	07/21/04	BT for Parsons	250	----	<0.50	<0.50	0.61	1.4	----	22	----	----	----	----
MW-14	11/04/04	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	5.6	19	<10	<2	<2	<2
MW-14	03/02/05	BT for Parsons	----	----	<0.50	<1	<1	<1	----	14	----	----	----	----
MW-14	05/07/05	BT for Parsons	----	----	1.3	<0.50	<0.50	<0.50	<0.50	9.3	22	<2	<2	<2
MW-14	11/08/05	BT for Parsons	----	----	6.5	<0.50	1.3	3.6	1.0	3.6	32	<2	<2	<2
MW-14	05/03/06	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	0.78	4.2	31	<2	<2	<2
MW-14	07/28/06	BT for Parsons	290	----	<0.50	<0.50	<0.50	<0.50	0.83	4.2	31	<2	<2	<2
MW-14	12/06/06	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	0.98	3.3	20	<2	<2	<2
MW-14	03/23/07	BT for Parsons	670	----	<0.50	<0.50	<0.50	<0.50	0.94	3.5	29	<2	<2	<2
MW-14	05/03/07	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	0.94	3.6	<10	<2	<2	<2
MW-14	08/31/07	BT for Parsons	480	----	<0.50	<0.50	<0.50	<0.50	<0.50	3.6	27	<2	<2	<2
MW-14	11/15/07	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	0.97	4.0	20	<2	<2	<2
MW-14	02/07/08	BT for Parsons	180	----	<0.50	<0.50	<0.50	<0.50	0.86	5.2	28	<2	<2	<2
MW-14	04/17/08	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	1.2	4.6	32	<2	<2	<2
MW-14	10/16/08	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	2.3	10	<2	<2	<2
MW-14	02/12/09	BT for Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	1.1	1.6	<10	<2	<2	<2
MW-14	04/22/09	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	16	1.9	<10	<2	<2	<2
MW-14	07/20/09	Blaine Tech for AMEC	----	----	<0.50	<0.50	<0.50	<0.50	13	1.5	<10	2.4	<2	<2
MW-14	10/22/09	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	16	2.5	<10	3.0	<2	<2
MW-14	01/12/10	BT for Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	13	2.7	4.2 J	3.2	<2	<2
MW-14	04/13/10	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	0.4 J	4.3	<10	<2	<2	<2
MW-14	10/04/10	BT for Parsons	----	----	<0.50	----	----	----	0.99	3.4	<10	----	----	----
MW-14	01/10/11	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.66	<10	<2	<2	<2
MW-14	04/13/11	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	3.0	<10	<2	<2	<2
MW-14	07/11/11	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.48 J	11	<2	<2	<2
MW-14	10/12/11	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	2.1	2.7	<10	0.83 J	<2	<2
MW-14	01/09/12	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	3.3	3.6	<10	0.83 J	<2	<2
MW-14	04/18/12	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	6.6	0.78	<10	1.2 J	<2	<2
MW-14	07/09/12	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	4.0	0.72	<10	1.1 J	<2	<2
MW-14	10/18/12	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	7.0	1.9	<10	1.3 J	<2	<2
MW-14	01/14/13	Parsons	----	<100	<0.50	<0.50	<0.50	<0.50	10	0.93	<10	1.7 J	<2	<2
MW-14	04/10/13	Parsons	----	120 b	<0.50	<0.50	<0.50	<0.50	12	1.4	<10	2.4	<2	<2
MW-14	04/29/15	SGI	<100	120	<0.50	<0.50	<0.50	<1.5	5.4	<2.0	<10	<2.0	<2.0	<2.0
MW-14	10/23/15	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	7.5	<2.0	<10	<2.0	<2.0	<2.0
MW-14	10/04/16	SGI	<100	<100	1.3	<0.50	<0.50	<1.5	6.3	<1.0	<10	<2.0	<2.0	<2.0
MW-14	04/19/17	SGI	<100	160	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
MW-15	11/26/96	Terra Services	----	----	1.4	0.66	1.0	0.62	<0.50	27	----	----	----	----
MW-15	07/14/97	Terra Services	1,000	3,500	1.5	1.1	<0.50	<1	<0.50	<5	----	----	----	----
MW-15	01/07/98	Terra Services	<500	1,500	0.62	0.73	<0.50	<1.5	<0.50	<5	----	----	----	----
MW-15	05/22/98	Terra Services	<300	----	<0.50	<0.50	<0.50	0.70	<1	<0.50	----	----	----	----
MW-15	11/13/98	Alton Geoscience	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-15	05/07/99	Alton Geoscience	<500	<500	<0.50	<0.50	<0.50	<0.50	<1	<0.50	----	----	----	----
MW-15	11/17/99	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-15	05/16/00	Secor	340	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-15	11/30/00	Secor	2,100	----	<0.50	0.80	<0.50	1.1	<0.50	<0.50	----	----	----	----
MW-15	05/09/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-15	11/06/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.60	----	----	----	----
MW-15	04/10/02	Secor	59,000	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-15	07/30/02	IT Corporation	780	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-15	12/08/06	Secor	420	----	<0.50	<0.50	<0.50	1.0	<0.50	0.60	----	----	----	----
MW-15	05/04/07	Secor	<500	----	<2.5	<2.5	<2.5	<2.5	<5	<2.5	----	----	----	----
MW-15	10/05/10	Blaine Tech	1,100	----	<1	<1	<1	<1	<2	<1	<20	<2	<2	<2
MW-15	04/14/11	Blaine Tech	1,900	----	<1	<1	<1	<1	<2	<1	<20	<2	<2	<2
MW-15	10/12/11	CH2M Hill	590	----	<1	<1	<1	<1	<2	<1	<20	<2	<2	<2
MW-15	04/27/12	CH2M Hill	1,100	40,000	<1	<1	<1	<1	<2	<1	<20	<2	<2	<2
MW-15	10/19/12	CHHL	940	34,000	<1	<1	<1	<1	<2	<1	<20	<2	<2	<2
MW-15	04/12/13	CHHL	890	240,000	<1	<1	<1	<1	<2	<1	<20	<2	<2	<2
MW-15	10/11/13	CHHL	2,000	140,000	<1	<1	<1	<1	<2	<1	<20	<2	<2	<2
MW-15	10/31/14	BT for CH2MHill	590	8,300	<2.5	<2.5	<2.5	<2.5	<5	<2.5	<50	<5.0	<5.0	<5.0
MW-15R	04/19/17	BT for CH2MHill	<100	210	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	15	<1.0	<1.0	<1.0
MW-15R	10/05/17	BT for CH2MHill	<50	79	<0.50	<0.50	<0.50	<0.50	<0.50	0.56	<10	<1.0	<1.0	<1.0
MW-15R	04/19/18	BT for Jacobs	66	60	<0.50	<0.50	<0.50	<0.50	<0.50	0.76	<10	<1	<1	<1
MW-15R	11/08/18	BT for Jacobs	53	52	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-15R	04/18/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-15R	10/30/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-16	11/27/96	GSI	50	<500	<0.50	<0.50	<0.50	1.5	140	71	----	----	----	----
MW-16	07/10/97	GTI	<50	<50	<5	<5	<5	<5	<5	<5	----	----	----	----
MW-16	01/06/98	GTI	<500	<100	<0.50	<0.50	<0.50	<1	<0.50	<0.50	----	----	----	----
MW-16	05/21/98	BBC	<300	----	<0.50	0.70	<0.50	0.60	<0.50	<0.50	----	----	----	----
MW-16	11/05/98	GTI	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-16	05/27/99	GTI	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-16	11/18/99	IT Corporation	<300	----	<0.50	<1	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-16	05/17/00	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-16	11/30/00	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-16	05/09/01	IT Corporation	<300	----	2.6	<0.50	<0.50	0.60	<0.50	<0.50	----	----	----	----
MW-16	11/07/01	IT Corporation	<300	----	1.2	<0.50	<0.50	<0.50	<0.50	31	----	----	----	----
MW-16	02/01/02	Secor	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	220	----	----	----	----
MW-16	04/11/02	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	260	----	----	----	----
MW-16	10/23/02	GTI	<300	----	<0.50	<1	<1	<1	<0.50	14	----	----	----	----
MW-16	01/29/03	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	6.8	----	----	----	----
MW-16	04/09/03	GTI	----	----	<0.50	<0.50	<0.50	<0.50	<1	16	----	----	----	----
MW-16	08/01/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	110	----	----	----	----
MW-16	10/11/03	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	100	----	----	----	----
MW-16	01/28/04	Secor	51	----	<0.50	<0.50	<0.50	<0.50	<0.50	89	----	----	----	----
MW-16	04/21/04	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	83	110	<2	<2	<2
MW-16	07/20/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	22	----	----	----	----
MW-16	11/04/04	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	3.3	120	<2	<2	<2
MW-16	02/02/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-16	05/06/05	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	08/02/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-16	11/08/05	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	05/04/06	BT for Parsons	----	----	0.87	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	09/19/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-16	12/08/06	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	05/03/07	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	11/16/07	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	04/17/08	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	10/16/08	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	04/23/09	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	10/23/09	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	04/16/10	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	10/07/10	BT for Parsons	----	----	<0.50	----	----	----	<0.50	<0.50	<10	----	----	----
MW-16	04/12/11	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	10/12/11	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	04/17/12	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	10/16/12	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	04/09/13	Parsons	----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	10/27/14	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
MW-16	04/24/15	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
MW-16	10/20/15	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
MW-16	04/12/16	SGI	<100	<100	1.3	<0.50	2.5	8.1	0.51	<1.0	<10	<2.0	<2.0	<2.0
MW-16	10/07/16	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
MW-16	04/18/17	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
MW-16	10/04/17	SGI	<100	100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
MW-16	04/18/18	SGI	<100	110	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
MW-16	11/06/18	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
MW-16	04/16/19	SGI	<100	240	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
MW-16	10/30/19	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
MW-17	11/27/96	GSI	45	<500	<0.50	<0.50	<0.50	<1	<0.50	----	----	----	----	----
MW-17	07/09/97	GTI	<50	<50	<5	<5	<5	<5	<5	----	----	----	----	----
MW-17	01/06/98	GTI	<500	<100	<0.50	<0.50	<0.50	<1	<0.50	<0.50	----	----	----	----
MW-17	05/20/98	BBC	<300	----	<0.50	<0.50	<0.50	<1	<0.50	<0.50	----	----	----	----
MW-17	11/04/98	GTI	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-17	05/26/99	GTI	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-17	11/18/99	IT Corporation	<300	----	<0.50	<1	<0.50	<0.50	<0.50	0.50	----	----	----	----
MW-17	05/17/00	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-17	11/29/00	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-17	05/09/01	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-17	11/07/01	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-17	04/10/02	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-17	10/23/02	GTI	<300	----	<0.50	<1	<1	<1	<0.50	<1	----	----	----	----
MW-17	04/10/03	GTI	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-17	10/08/03	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-17	04/21/04	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	11/03/04	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	05/05/05	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	11/05/05	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	05/03/06	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	12/05/06	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	05/02/07	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	11/13/07	BT for Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	04/16/08	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	10/15/08	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	04/20/09	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	10/23/09	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-17	04/16/10	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	10/06/10	BT for Parsons	-----	-----	<0.50	-----	-----	-----	<0.50	<0.50	<10	-----	-----	-----
MW-17	04/12/11	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	10/13/11	Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	04/17/12	Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	10/16/12	Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	04/09/13	Parsons	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	10/08/13	Parsons	<100	110 HD	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	04/16/14	Parsons	<100	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	10/27/14	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
MW-17	04/24/15	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
MW-17	10/20/15	SGI	130	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
MW 17	04/13/16	SGI	<100	<100	<0.50	<0.50	0.67	2.4	<0.50	<1.0	<10	<2.0	<2.0	<2.0
DUP-5 (MW 17)	04/13/16	SGI	<100	<100	<0.50	<0.50	0.74	2.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
MW-17	10/04/16	SGI	<100	<100	<0.50	<0.50	0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
DUP-1 (MW-17)	10/04/16	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
MW-17	04/18/17	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
MW-17	10/03/17	SGI	<100	110	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
MW-17	04/17/18	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
MW-17	11/06/18	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
MW-17	04/16/19	SGI	<100	230	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
MW-17	10/30/19	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
MW-18 (MID)	07/16/97	Terra Services	<100	<500	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
MW-18 (MID)	01/05/98	Terra Services	420	<500	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
MW-18 (MID)	10/08/03	Secor	530	-----	1.2	<1	<1	<1	16	640	-----	-----	-----	-----
MW-18 (MID)	10/07/10	Blaine Tech	1,100	-----	290	<1.5	<1.5	<1.5	<3	12	150	11	<3	<3
MW-18 (MID)	04/13/11	Blaine Tech	4,100	-----	1,900	<10	<10	<20	11	13	<200	21	<20	<20
MW-18 (MID)	10/12/11	CH2M Hill	1,200	-----	460	<2.5	<2.5	3.2	<5	4.6	82	9.3	<5	<5
MW-18 (MID)	04/20/12	CH2M Hill	<200	330	<1	<1	<1	<1	<2	2.4	21	4.2	<2	<2
MW-18 (MID)	10/18/12	CHHL	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	BT for CH2MHill	<200	<50	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	87	5.1	<2.0	<2.0
MW-18 (MID)	04/22/15	BT for CH2MHill	<50	140	<0.50	<0.50	<0.50	<0.50	1.2	<0.50	59	3.7	<1.0	<1.0
MW-18 (MID)	10/27/15	BT for CH2MHill	<50	130 HD	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	<10	3.1	<1.0	<1.0
MW 18 (MID)	04/13/16	BT for CH2MHill	390	440	65	1.4	<0.50	2.0	<1	4.7	74	1.5	<1.0	<1.0
MW-18 (MID)	10/06/16	BT for CH2MHill	200	490	6.1	<0.50	<0.50	1.5	<0.50	2.7	55	1.3	<1.0	<1.0
MW-18 (MID)	04/20/17	BT for CH2MHill	<100	200	<0.50	<0.50	<0.50	<0.50	<1	1.3	32	1.6	<1.0	<1.0
MW-18 (MID)	10/05/17	BT for CH2MHill	<50	120	<0.50	<0.50	<0.50	<0.50	<0.50	0.94	13	1.7	<1.0	<1.0
MW-18 (MID)	04/19/18	BT for Jacobs	<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	BT for Jacobs	<50	130	<0.50	<0.50	<0.50	<0.50	<0.50	1.0	<10	<1.0	<1.0	<1.0
MW-18 (MID)	04/18/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<10	<1	<1	<1
MW-18 (MID)	10/31/19	BT for Jacobs	<50	98	<0.50	<0.50	<0.50	<0.50	<0.50	1.4	11	<1.0	<1.0	<1.0
MW-19 (MID)	11/26/96	Terra Services	-----	-----	48	<0.50	17	1.8	7.7	600	-----	-----	-----	-----
MW-19 (MID)	07/16/97	Terra Services	<100	<500	<0.50	<0.50	<0.50	<1	9.1	810	-----	-----	-----	-----
MW-19 (MID)	01/05/98	Terra Services	<100	<500	<5	<50	<5	<15	<5	1,400	-----	-----	-----	-----
MW-19 (MID)	05/27/98	Terra Services	500	-----	<5	<0.50	<5	<10	14	590	-----	-----	-----	-----
MW-19 (MID)	08/26/98	Geomatrix	514	-----	<2.5	<2.5	<2.5	<2.5	11	779	-----	-----	-----	-----
MW-19 (MID)	11/17/98	Alton Geoscience	491	-----	<5	<5	<5	<5	11	850	-----	-----	-----	-----
MW-19 (MID)	02/03/99	Alton Geoscience	<10,000	<500	<10	<10	<10	<20	<20	1,300	-----	-----	-----	-----
MW-19 (MID)	05/06/99	Alton Geoscience	540	<500	42	<1	<1	<1	<2.5	1,500	-----	-----	-----	-----
MW-19 (MID)	08/10/99	Alton Geoscience	600	<1,000	<0.50	<1	<1	<1	6.8	980	-----	-----	-----	-----
MW-19 (MID)	11/17/99	Secor	1,100	-----	26	<5	<5	<5	<5	1,100	-----	-----	-----	-----
MW-19 (MID)	02/29/00	Secor	2,000	-----	530	<5	<5	<5	<5	1,100	-----	-----	-----	-----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-19 (MID)	05/17/00	Secor	5,200	----	1,900	<25	<25	<25	<25	2,600	----	----	----	----
MW-19 (MID)	08/29/00	Secor	2,700	----	560	<10	<10	<10	<10	3,200	----	----	----	----
MW-19 (MID)	11/30/00	Secor	2,100	----	520	3.6	0.90	6.1	<0.50	1,200	----	----	----	----
MW-19 (MID)	02/06/01	Secor	780	----	66	<10	<10	<10	<10	720	----	----	----	----
MW-19 (MID)	05/09/01	Secor	360	----	4.4	<2.5	<2.5	<2.5	<2.5	490	----	----	----	----
MW-19 (MID)	09/19/01	Secor	<300	----	<2.5	<2.5	<2.5	<2.5	<2.5	200	----	----	----	----
MW-19 (MID)	11/06/01	Secor	<300	----	<1	<1	<1	<1	6.5	180	----	----	----	----
MW-19 (MID)	01/30/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	5.1	33	----	----	----	----
MW-19 (MID)	04/10/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	4.3	11	----	----	----	----
MW-19 (MID)	10/23/02	Secor	<300	----	1.1	<0.50	<0.50	<0.50	3.5	7.4	----	----	----	----
MW-19 (MID)	04/10/03	Secor	92	----	<0.50	<0.50	<0.50	<0.50	2.5	4.3	----	----	----	----
MW-19 (MID)	10/07/03	Secor	84	----	<0.50	<0.50	<0.50	<0.50	2.3	1.0	----	----	----	----
MW-19 (MID)	04/21/04	Secor	99	----	<0.50	<0.50	<0.50	<0.50	2.6	<0.50	----	----	----	----
MW-19 (MID)	11/03/04	Secor	<100	----	<0.50	<0.50	<0.50	<0.50	2.0	0.81	----	----	----	----
MW-19 (MID)	05/06/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-19 (MID)	11/03/05	Secor	68	----	<0.50	<0.50	<0.50	<0.50	4.2	1.2	----	----	----	----
MW-19 (MID)	05/03/06	Secor	76	----	<0.50	<0.50	<0.50	<0.50	13	2.2	----	----	----	----
MW-19 (MID)	12/06/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	1.3	<0.50	----	----	----	----
MW-19 (MID)	05/02/07	Secor	61	----	<0.50	<0.50	<0.50	<0.50	2.2	1.1	----	----	----	----
MW-19 (MID)	11/13/07	Secor	57	----	<0.50	<0.50	<0.50	<0.50	2.9	0.86	----	----	----	----
MW-19 (MID)	04/17/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	3.0	1.2	----	----	----	----
MW-19 (MID)	10/17/08	Stantec	<50	----	<0.50	<0.50	<0.50	<0.50	3.2	1.3	----	----	----	----
MW-19 (MID)	04/20/09	Blaine Tech for AMEC	<50	----	<0.50	<0.50	<0.50	<0.50	3.8	0.81	66	9.8	<1	<1
MW-19 (MID)	10/21/09	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	5.0	0.79	130	16	<1	<1
MW-19 (MID)	05/26/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	3.1	<0.50	<10	12	<1	<1
MW-19 (MID)	10/06/10	Blaine Tech	62	----	<0.50	<0.50	<0.50	<0.50	3.5	0.91	130	19	<1	<1
MW-19 (MID)	04/12/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	3.2	0.81	67	14	<1	<1
MW-19 (MID)	10/11/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	3.2	0.67	110	11	<1	<1
MW-19 (MID)	04/18/12	CH2M Hill	<50	<50	<0.50	<0.50	<0.50	<0.50	4.7	1.0	290	22	<1	<1
MW-19 (MID)	10/17/12	CHHL	<50	77	<0.50	<0.50	<0.50	<0.50	5.3	1.1	360	28	<1	<1
MW-19 (MID)	04/11/13	CHHL	55	<50	<0.50	<0.50	<0.50	<0.50	9.2	2.0	330	31	<1	<1
MW-19 (MID)	10/10/13	CHHL	54	<50	<0.50	<0.50	<0.50	<0.50	7.4	2.0	350	25	<1	<1
MW-19 (MID)	04/17/14	CHHL	74	<50	<0.50	<0.50	<0.50	<0.50	9.1	2.0	440	25	<1	<1
MW-19 (MID)	10/30/14	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	3.5	0.74	87	9.2	<1.0	<1.0
MW-19 (MID)	04/22/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	3.7	1.1	130	13	<1.0	<1.0
MW-19 (MID)	10/23/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	2.9	<0.50	36	6.2	<1.0	<1.0
MW-19 (MID)	04/13/16	BT for CH2MHill	<50	54	<0.50	<0.50	<0.50	<0.50	4.8	1.0	420	23	<1.0	<1.0
MW-19 (MID)	10/05/16	BT for CH2MHill	54	<50	<0.50	<0.50	<0.50	<0.50	3.8	0.68	220	19	<1.0	<1.0
MW-19 (MID)	04/19/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	2.1	<0.50	88	11	<1.0	<1.0
MW-19 (MID)	10/03/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	2.5	<0.50	22	4.2	<1.0	<1.0
MW-19 (MID)	04/18/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	2.0	<0.50	31	5.6	<1	<1
MW-19 (MID)	11/07/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	2.6	<0.50	23	4.3	<1.0	<1.0
MW-19 (MID)	04/18/19	BT for Jacobs	<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	BT for Jacobs	<50	58	<0.50	<0.50	<0.50	<0.50	1.1	<0.50	11	1.6	<1.0	<1.0
MW-20 (MID)	11/22/96	Terra Services	----	----	<0.50	<0.50	<0.50	1.5	66	36	----	----	----	----
MW-20 (MID)	07/11/97	Terra Services	<100	<500	<0.50	<0.50	<0.50	<1	33	13	----	----	----	----
MW-20 (MID)	01/05/98	Terra Services	<100	<500	<0.50	<0.50	<0.50	<1.5	17	9.2	----	----	----	----
MW-20 (MID)	05/27/98	Terra Services	<300	----	<0.50	<0.50	<0.50	<1	35	22	----	----	----	----
MW-20 (MID)	11/16/98	Alton Geoscience	<300	----	14	41	4.8	30	31	33	----	----	----	----
MW-20 (MID)	05/07/99	Alton Geoscience	<500	<500	5.6	22	1.7	9.8	22	13	----	----	----	----
MW-20 (MID)	11/16/99	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	21	19	----	----	----	----
MW-20 (MID)	05/19/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	22	11	----	----	----	----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-20 (MID)	11/28/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	17	8.1	----	----	----	----
MW-20 (MID)	05/09/01	Secor	<300	----	<50	<50	<50	<50	2,200	1,300	----	----	----	----
MW-20 (MID)	09/19/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	23	11	----	----	----	----
MW-20 (MID)	11/07/01	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	23	14	----	----	----	----
MW-20 (MID)	04/11/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	17	12	----	----	----	----
MW-20 (MID)	10/24/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	20	20	----	----	----	----
MW-20 (MID)	04/10/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	17	11	----	----	----	----
MW-20 (MID)	10/08/03	Secor	<100	----	<0.50	<0.50	<0.50	<0.50	29	19	----	----	----	----
MW-20 (MID)	04/21/04	Secor	56	----	<0.50	<0.50	<0.50	<0.50	27	18	----	----	----	----
MW-20 (MID)	11/05/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	23	15	----	----	----	----
MW-20 (MID)	05/05/05	Secor	97	----	<0.50	<0.50	<0.50	<0.50	33	57	----	----	----	----
MW-20 (MID)	11/03/05	Secor	58	----	<0.50	<0.50	<0.50	<0.50	25	46	----	----	----	----
MW-20 (MID)	05/03/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	21	32	----	----	----	----
MW-20 (MID)	12/07/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	21	25	----	----	----	----
MW-20 (MID)	05/05/07	Secor	59	----	<0.50	<0.50	<0.50	<0.50	20	25	----	----	----	----
MW-20 (MID)	11/14/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	20	23	----	----	----	----
MW-20 (MID)	04/17/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	15	21	----	----	----	----
MW-20 (MID)	10/17/08	Stantec	<50	----	<0.50	<0.50	<0.50	<0.50	17	18	----	----	----	----
MW-20 (MID)	04/22/09	Blaine Tech for AMEC	<50	----	<0.50	<0.50	<0.50	<0.50	17	16	28	11	<1	<1
MW-20 (MID)	10/21/09	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	16	18	32	14	<1	<1
MW-20 (MID)	05/27/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	18	16	<10	12	<1	<1
MW-20 (MID)	10/06/10	Blaine Tech	51	----	<0.50	<0.50	<0.50	<0.50	15	19	40	13	<1	<1
MW-20 (MID)	04/12/11	Blaine Tech	51	----	<0.50	<0.50	<0.50	<0.50	17	18	<10	17	<1	<1
MW-20 (MID)	10/11/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	13	17	38	11	<1	<1
MW-20 (MID)	04/19/12	CH2M Hill	<50	<50	<0.50	<0.50	<0.50	<0.50	15	12	26	9.9	<1	<1
MW-20 (MID)	10/17/12	CHHL	<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	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	14	9.8	<10	6.7	<1	<1
MW-20 (MID)	10/10/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	16	14	29	11	<1	<1
MW-20 (MID)	04/16/14	CHHL	55	<50	<0.50	<0.50	<0.50	<0.50	13	9.6	22	7.4	<1	<1
MW-20 (MID)	10/30/14	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	10	8.7	18	6.6	<1.0	<1.0
MW-20 (MID)	04/22/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	6.2	11	19	8.2	<1.0	<1.0
MW-20 (MID)	10/23/15	BT for CH2MHill	91 HD	<50	<0.50	0.50	<0.50	0.70	0.65	4.7	<10	3.2	<1.0	<1.0
MW 20 (MID)	04/13/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	10	8.9	25	6.3	<1.0	<1.0
MW-20 (MID)	10/05/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	13	7.1	22	7.2	<1.0	<1.0
MW-20 (MID)	04/19/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	9.0	8.1	21	6.0	<1.0	<1.0
MW-20 (MID)	10/03/17	BT for CH2MHill	<50	<100	<0.50	<0.50	<0.50	<0.50	8.6	6.8	16	5.1	<1.0	<1.0
MW-20 (MID)	04/17/18	BT for Jacobs	<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	BT for Jacobs	<50	<100	<0.50	<0.50	<0.50	<0.50	4.4	4.6	<10	2.7	<1.0	<1.0
MW-20 (MID)	04/18/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	12	16	34	8.0	<1	<1
MW-20 (MID)	10/29/19	BT for Jacobs	<50	52	<0.50	<0.50	<0.50	<0.50	7.6	8.9	16	4.9	<1.0	<1.0
MW-21 (MID)	05/07/99	Alton Geoscience	<500	590	<1	<1	<1	<1	75	39	----	----	----	----
MW-21 (MID)	11/29/00	Secor	<300	----	3.6	<0.50	<0.50	<0.50	16	62	----	----	----	----
MW-21 (MID)	05/09/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	9.8	50	----	----	----	----
MW-21 (MID)	11/06/01	Secor	<300	----	0.50	<0.50	<0.50	<0.50	12	69	----	----	----	----
MW-21 (MID)	04/10/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	8.6	71	----	----	----	----
MW-21 (MID)	10/23/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	7.4	61	----	----	----	----
MW-21 (MID)	10/07/03	Secor	87	----	<0.50	<0.50	<0.50	<0.50	5.6	55	----	----	----	----
MW-21 (MID)	05/06/05	Secor	62	----	<0.50	<0.50	<0.50	<0.50	2.8	25	----	----	----	----
MW-21 (MID)	05/03/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	1.5	13	----	----	----	----
MW-21 (MID)	05/02/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	0.73	3.3	----	----	----	----
MW-21 (MID)	04/17/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	0.88	6.4	----	----	----	----
MW-21 (MID)	04/20/09	Blaine Tech for AMEC	<100	----	<0.50	<0.50	<0.50	<0.50	2.3	1.9	25	2.3	<1	<1

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-21 (MID)	05/26/10	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	2.9	1.5	<10	3.2	<1	<1
MW-21 (MID)	04/12/11	Blaine Tech	72	----	<0.50	<0.50	<0.50	<0.50	3.8	2.4	32	3.0	<1	<1
MW-21 (MID)	04/18/12	CH2M Hill	<100	140	<0.50	<0.50	<0.50	<0.50	2.2	<0.50	17	<1	<1	<1
MW-21 (MID)	04/10/13	CHHL	<200	61	<1	<1	<1	<1	2.4	<1	22	3.3	<2	<2
MW-21 (MID)	10/10/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	2.8	0.81	35	3.0	<1	<1
MW-21 (MID)	04/16/14	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	4.2	0.51	<10	<1	<1	<1
MW-21 (MID)	10/30/14	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	3.6	0.69	<10	<1.0	<1.0	<1.0
MW-21 (MID)	04/22/15	BT for CH2MHill	<50	56	<0.50	<0.50	<0.50	<0.50	3.4	0.68	<10	<1.0	<1.0	<1.0
MW-21 (MID)	10/23/15	BT for CH2MHill	120 HD	57	<0.50	<0.50	<0.50	<0.50	3.4	1.1	<10	<1.0	<1.0	<1.0
MW 21 (MID)	04/13/16	BT for CH2MHill	<50	87	<0.50	<0.50	<0.50	<0.50	3.5	0.79	<10	<1.0	<1.0	<1.0
MW-21 (MID)	10/05/16	BT for CH2MHill	57	82	<0.50	<0.50	<0.50	<0.50	3.2	1.2	<10	<1.0	<1.0	<1.0
MW-21 (MID)	04/19/17	BT for CH2MHill	<100	120	<0.50	<0.50	<0.50	<0.50	2.2	1.0	12	<1.0	<1.0	<1.0
DUP-2 [MW-21 (MID)]	04/19/17	BT for CH2MHill	<100	140	<0.50	<0.50	<0.50	<0.50	2.2	0.99	11	<1.0	<1.0	<1.0
MW-21 (MID)	10/03/17	BT for CH2MHill	<50	67	<0.50	<0.50	<0.50	<0.50	3.1	1.4	10	<1.0	<1.0	<1.0
DUP-1 [MW-21 (MID)]	10/03/17	BT for CH2MHill	<50	71	<0.50	<0.50	<0.50	<0.50	3.0	1.2	<10	<1.0	<1.0	<1.0
MW-21 (MID)	04/18/18	BT for Jacobs	68	110	<0.50	<0.50	<0.50	<0.50	2.4	1.3	<10	<1	<1	<1
DUP [MW-21 (MID)]	04/18/18	BT for Jacobs	<50	100	<0.50	<0.50	<0.50	<0.50	2.0	1.0	<10	<1	<1	<1
MW-21 (MID)	11/07/18	BT for Jacobs	<50	90	<0.50	<0.50	<0.50	<0.50	1.4	0.60	<10	<1.0	<1.0	<1.0
DUP-1 [MW-21 (MID)]	11/07/18	BT for Jacobs	<50	83	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-21 (MID)	04/18/19	BT for Jacobs	<50	56	<0.50	<0.50	<0.50	<0.50	3.0	1.5	<10	<1	<1	<1
DUPE [MW-21 (MID)]	04/18/19	BT for Jacobs	<50	59	<0.50	<0.50	<0.50	<0.50	2.9	1.4	<10	<1	<1	<1
MW-21 (MID)	10/30/19	BT for Jacobs	<50	99	<0.50	<0.50	<0.50	<0.50	1.2	0.58	<10	<1.0	<1.0	<1.0
DUP-1 [MW-21 (MID)]	10/30/19	BT for Jacobs	<50	71	<0.50	<0.50	<0.50	<0.50	1.3	0.62	<10	<1.0	<1.0	<1.0
MW-22 (MID)	11/21/96	GSI	46	<500	<0.50	<0.50	<0.50	<1.5	4.7	<5	----	----	----	----
MW-22 (MID)	07/10/97	GTI	<50	650	<5	<5	<5	<5	15	<5	----	----	----	----
MW-22 (MID)	01/06/98	GTI	----	400	<5	<5	<5	<1	<5	<5	----	----	----	----
MW-22 (MID)	05/21/98	BBC	<300	----	<0.50	<0.50	<0.50	<1	0.90	<0.50	----	----	----	----
MW-22 (MID)	08/26/98	Geomatrix	<300	----	<0.50	<0.50	<0.50	<0.50	2.1	<0.50	----	----	----	----
MW-22 (MID)	11/04/98	GTI	<300	----	<0.50	<0.50	<0.50	<0.50	1.6	<0.50	----	----	----	----
MW-22 (MID)	02/02/99	Alton Geoscience	<500	<500	1.1	2.1	0.56	2.1	3.2	0.69	----	----	----	----
MW-22 (MID)	05/07/99	Alton Geoscience	----	<500	8.0	3.4	1.7	7.5	<1	6.9	----	----	----	----
MW-22 (MID)	05/26/99	GTI	<300	----	<0.50	<0.50	<0.50	<0.50	3.7	4.7	----	----	----	----
MW-22 (MID)	08/10/99	Alton Geoscience	<500	<1,000	3.1	6.2	<1	4.9	8.9	<1	----	----	----	----
MW-22 (MID)	11/18/99	IT Corporation	<300	----	<0.50	<1	<0.50	<0.50	19	0.80	----	----	----	----
MW-22 (MID)	02/29/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	29	3.3	----	----	----	----
MW-22 (MID)	05/16/00	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	16	2.4	----	----	----	----
MW-22 (MID)	08/29/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	45	14	----	----	----	----
MW-22 (MID)	11/28/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	88	13	----	----	----	----
MW-22 (MID)	11/29/00	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	88	13	----	----	----	----
MW-22 (MID)	02/06/01	Secor	<300	----	<1	<1	<1	<1	120	14	----	----	----	----
MW-22 (MID)	05/09/01	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	110	12	----	----	----	----
MW-22 (MID)	05/09/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	83	11	----	----	----	----
MW-22 (MID)	09/19/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	30	4.5	----	----	----	----
MW-22 (MID)	11/07/01	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	36	6.5	----	----	----	----
MW-22 (MID)	01/30/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	30	19	----	----	----	----
MW-22 (MID)	04/12/02	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	22	11	----	----	----	----
MW-22 (MID)	07/30/02	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	24	8.7	----	----	----	----
MW-22 (MID)	10/24/02	GTI	<300	----	<0.50	<1	<1	<1	18	5.4	----	----	----	----
MW-22 (MID)	01/28/03	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	18	4.8	----	----	----	----
MW-22 (MID)	04/11/03	GTI	----	----	<0.50	<0.50	<0.50	<0.50	9.1	2.4	----	----	----	----
MW-22 (MID)	10/11/03	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	12	2.8	----	----	----	----
MW-22 (MID)	04/22/04	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	19	4.8	21	3.2	<2	<2

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-22 (MID)	07/21/04	BT for Parsons	180	----	<0.50	<0.50	<0.50	<0.50	----	11	----	----	----	----
MW-22 (MID)	11/04/04	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	31	11	17	2.8	<2	<2
MW-22 (MID)	03/02/05	BT for Parsons	----	----	<0.50	<1	<1	<1	----	15	----	----	----	----
MW-22 (MID)	05/07/05	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	1.8	30	<10	<2	<2	<2
MW-22 (MID)	11/08/05	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	2.1	30	13	<2	<2	<2
MW-22 (MID)	05/05/06	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	6.1	14	<10	<2	<2	<2
MW-22 (MID)	12/05/06	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	5.3	16	13	<2	<2	<2
MW-22 (MID)	05/02/07	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	4.4	14	17	<2	<2	<2
MW-22 (MID)	11/14/07	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	10	15	19	2.1	<2	<2
MW-22 (MID)	04/17/08	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	8.3	11	18	<2	<2	<2
MW-22 (MID)	10/16/08	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	9.7	16	16	2.1	<2	<2
MW-22 (MID)	02/12/09	BT for Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	15	18	22	3.1	<2	<2
MW-22 (MID)	04/22/09	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	11	23	22	<2	<2	<2
MW-22 (MID)	07/20/09	Blaine Tech for AMEC	----	----	<0.50	<0.50	<0.50	<0.50	11	19	34	2.9	<2	<2
MW-22 (MID)	10/23/09	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	13	16	27	<2	<2	<2
MW-22 (MID)	01/13/10	BT for Parsons	<100	----	<0.50	<0.50	<0.50	<0.50	9.7	13	24	2.1	<2	<2
MW-22 (MID)	04/13/10	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	11	8.7	23	1.8 J	<2	<2
MW-22 (MID)	10/04/10	BT for Parsons	----	----	<0.50	----	----	----	10	13	<10	----	----	----
MW-22 (MID)	01/10/11	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	4.8	6.2	10	0.82 J	<2	<2
MW-22 (MID)	04/14/11	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	6.5	10	<10	0.76 J	<2	<2
MW-22 (MID)	07/11/11	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	5.5	7.8	13	0.48 J	<2	<2
MW-22 (MID)	10/13/11	Parsons	----	----	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	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	4.4	6.6	12	0.45 J	<2	<2
MW-22 (MID)	04/18/12	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	7.1	10	21	0.69 J	<2	<2
MW-22 (MID)	07/09/12	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	4.4	5.8	<10	0.43 J	<2	<2
MW-22 (MID)	10/18/12	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	6.4	12	<10	0.85 J	<2	<2
MW-22 (MID)	01/14/13	Parsons	<100	<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	Parsons	----	250 b	<0.50	<0.50	<0.50	<0.50	7.0	11	14	1.1 J	<2	<2
MW-22 (MID)	10/07/13	Parsons	<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	Parsons	<100	100 HD	<0.50	<0.50	<0.50	<0.50	5.0	6.8	<10	0.64 J	<2	<2
MW-22 (MID)	10/28/14	SGI	<100	210	<0.50	<0.50	<0.50	<1.5	8.8	9.1	<10	<2.0	<2.0	<2.0
MW-22 (MID)	04/24/15	SGI	<100	240	<0.50	<0.50	<0.50	<1.5	10	8.9	19	2.6	<2.0	<2.0
MW-22 (MID)	10/23/15	SGI	<100	160	<0.50	<0.50	<0.50	<1.5	8.7	6.5	18	2.7	<2.0	<2.0
MW-22 (MID)	10/23/15	SGI	<100	140	<0.50	<0.50	<0.50	<1.5	6.4	5.2	12	2.4	<2.0	<2.0
MW-22 (MID)	04/13/16	SGI	<100	170	<0.50	<0.50	0.87	2.7	6.8	5.0	<10	<2.0	<2.0	<2.0
MW-22 (MID)	10/05/16	SGI	<100	170	1.5	<0.50	<0.50	<1.5	7.1	4.4	<10	<2.0	<2.0	<2.0
MW-22 (MID)	04/19/17	SGI	<100	110	<0.50	<0.50	<0.50	<1.5	2.9	2.1	<10	<2.0	<2.0	<2.0
MW-22 (MID)	10/05/17	SGI	<100	100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
MW-22 (MID)	04/19/18	SGI	<100	340	<0.50	<0.50	<0.50	<1.5	4.9	4.8 J	20 J	<2.0	<2.0	<2.0
DUP-4 [MW-22 (MID)]	04/19/18	SGI	<100	300	<0.50	<0.50	<0.50	<1.5	4.2	3.5 J	<10	<2.0	<2.0	<2.0
MW-22 (MID)	11/08/18	SGI	<100	110	<0.50	<0.50	<0.50	<1.5	1.6	2.0	<10	<2.0	<2.0	<2.0
MW-22 (MID)	04/17/19	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	1.8	<10	<2.0	<2.0	<2.0
MW-22 (MID)	11/05/19	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	2.3	6.0	11	<2.0	<2.0	<2.0
DUP-5 [MW-22 (MID)]	11/05/19	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	2.7	6.3	11	2.0	<2.0	<2.0
MW-23 (MID)	11/21/96	GSI	1,400	<500	62	<0.50	18	3.5	0.60	----	----	----	----	----
MW-23 (MID)	07/09/97	GTI	----	----	160	<1	21	----	----	----	----	----	----	----
MW-23 (MID)	07/09/97	GTI	140	970	----	----	----	----	----	----	----	----	----	----
MW-23 (MID)	01/06/98	GTI	----	<100	<0.30	----	<0.30	----	----	----	----	----	----	----
MW-23 (MID)	05/20/98	BBC	<300	----	----	----	----	----	----	----	----	----	----	----
MW-23 (MID)	11/04/98	GTI	<300	----	<0.30	<0.30	<0.30	<0.60	----	----	----	----	----	----
MW-23 (MID)	05/27/99	GTI	<300	----	<0.30	<0.30	<0.30	<0.60	----	----	----	----	----	----
MW-23 (MID)	11/18/99	IT Corporation	<300	----	<0.30	<0.30	<0.30	<0.60	----	----	----	----	----	----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-23 (MID)	05/16/00	IT Corporation	<300	----	<0.30	<0.30	<0.30	<0.60	----	----	----	----	----	----
MW-23 (MID)	11/29/00	IT Corporation	<300	----	<0.30	<0.30	<0.30	<0.60	----	<5	----	----	----	----
MW-23 (MID)	05/10/01	IT Corporation	<300	----	<0.30	<0.30	<0.30	<0.60	----	<5	----	----	----	----
MW-23 (MID)	11/07/01	IT Corporation	<300	----	<0.30	<0.30	<0.30	<0.60	----	<5	----	----	----	----
MW-23 (MID)	04/10/02	IT Corporation	<300	----	<0.30	<0.30	<0.30	<0.60	----	<5	----	----	----	----
MW-23 (MID)	10/23/02	GTI	<300	----	<0.30	<0.30	<0.30	<0.30	----	<5	----	----	----	----
MW-23 (MID)	04/10/03	GTI	----	----	<1	<1	<1	<2	<3	<3	----	----	----	----
MW-23 (MID)	10/08/03	BT for Parsons	----	----	<0.30	<0.30	<0.30	<0.30	----	<5	----	----	----	----
MW-23 (MID)	04/22/04	BT for Parsons	----	----	<0.30	<0.30	<0.30	<0.30	----	<5	----	----	----	----
MW-23 (MID)	11/04/04	BT for Parsons	----	----	<0.30	<0.30	<0.30	<0.30	----	<5	----	----	----	----
MW-23 (MID)	05/10/05	BT for Parsons	----	----	0.40	0.79	0.41	<0.30	----	<5	----	----	----	----
MW-23 (MID)	05/03/06	BT for Parsons	----	----	<0.30	<0.30	<0.30	0.32	----	<5	----	----	----	----
MW-23 (MID)	12/06/06	BT for Parsons	----	----	<0.50	<0.50	<0.50	<1	----	<5	----	----	----	----
MW-23 (MID)	05/02/07	BT for Parsons	----	----	<0.50	<0.50	<0.50	<1	----	<5	----	----	----	----
MW-23 (MID)	11/14/07	BT for Parsons	----	----	<0.50	<0.50	<0.50	<1	----	<5	----	----	----	----
MW-23 (MID)	04/16/08	BT for Parsons	----	----	<0.50	<0.50	<0.50	<1	----	<5	----	----	----	----
MW-23 (MID)	10/15/08	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-23 (MID)	04/21/09	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	----	<0.50	----	----	----	----
MW-23 (MID)	10/23/09	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-23 (MID)	04/13/10	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	----	<0.50	4.8 J	<2	<2	<2
MW-23 (MID)	10/04/10	BT for Parsons	----	----	<0.50	----	----	----	<0.50	0.73	<10	----	----	----
MW-23 (MID)	04/14/11	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	2.9	<10	<2	<2	<2
MW-23 (MID)	10/13/11	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	10	14	<2	<2	<2
MW-23 (MID)	04/19/12	Parsons	----	----	<0.50	<0.50	<0.50	0.32 J	<0.50	9.9	19	<2	<2	<2
MW-23 (MID)	10/19/12	Parsons	----	----	<0.50	<0.50	0.25 J	0.43	<0.50	4.3	<10	<2	<2	<2
MW-23 (MID)	04/11/13	Parsons	----	4,800	<0.50	<0.50	<0.50	0.85 J	<0.50	2.9	13	<2	<2	<2
MW-24	11/21/96	GSI	92	<500	<0.50	<0.50	<0.50	<1.5	<0.50	----	----	----	----	----
MW-24	07/09/97	GTI	100	1,400	11	<5	<5	<5	<5	<5	----	----	----	----
MW-24	01/06/98	GTI	700	<100	93	<0.50	4.0	<1	<0.50	<0.50	----	----	----	----
MW-24	05/20/98	BBC	<300	----	<0.30	<0.50	<0.50	<1	<0.50	<0.50	----	----	----	----
MW-24	11/04/98	GTI	<300	----	11	2.7	2.1	18	<0.50	<0.50	----	----	----	----
MW-24	05/26/99	GTI	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-24	11/18/99	IT Corporation	<300	----	<0.50	<1	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-24	05/16/00	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-24	11/29/00	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-24	05/09/01	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-24	11/07/01	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-24	04/10/02	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-24	10/23/02	GTI	<300	----	<0.50	<1	<1	<1	<0.50	<1	----	----	----	----
MW-24	04/11/03	GTI	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-24	10/08/03	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-24	04/22/04	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-24	11/04/04	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-24	05/07/05	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-24	11/08/05	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-24	05/03/06	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-24	12/06/06	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-24	05/03/07	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-24	11/14/07	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-24	04/17/08	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-24	10/16/08	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-24	04/21/09	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-24	10/23/09	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-24	04/13/10	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-24	10/04/10	BT for Parsons	-----	-----	<0.50	-----	-----	-----	<0.50	0.51	<10	-----	-----	-----
MW-24	04/13/11	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-24	10/13/11	Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-24	04/18/12	Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	2.6	6.3 J	<2	<2	<2
MW-24	10/16/12	Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	1.7	<10	<2	<2	<2
MW-24	04/09/13	Parsons	-----	150 b	<0.50	<0.50	<0.50	<0.50	<0.50	0.87	<10	<2	<2	<2
MW-24	10/08/13	Parsons	<100	230 HD	<0.50	<0.50	<0.50	<0.50	<0.50	1.0	<10	<2	<2	<2
MW-24	04/16/14	Parsons	<100	110 HD	<0.50	<0.50	<0.50	<0.50	<0.50	0.87	<10	<2	<2	<2
MW-24	10/28/14	SGI	<100	240	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
MW-24	10/28/14	SGI	<100	240	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
MW-24	04/24/15	SGI	<100	200	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
MW-24	10/22/15	SGI	<100	100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
MW-24	10/22/15	SGI	<100	100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
MW 24	04/13/16	SGI	<100	<100	<0.50	<0.50	1.2	3.9	<0.50	<1.0	<10	<2.0	<2.0	<2.0
MW-24	04/18/17	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
MW-24	10/02/17	SGI	<100	210	1.0	<0.50	4.7	1.7	<0.50	<1.0	<10	<2.0	<2.0	<2.0
MW-24	10/25/17	SGI	-----	410	<0.50	<0.50	<0.50	<1.5	<0.50	1.0	<10	<2.0	<2.0	<2.0
MW-24	04/19/18	SGI	<100	150	<0.50	<0.50	<0.50	<1.5	<0.50	1.2	<10	<2.0	<2.0	<2.0
MW-24	11/08/18	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
DUPE-4 (MW-24)	11/08/18	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
MW-24	04/17/19	SGI	<100	520	<0.50	<0.50	<0.50	<1.5	<0.50	2.0	<10	<2.0	<2.0	<2.0
MW-24	11/05/19	SGI	<100	1,300	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
MW-25	11/21/96	GSI	<50	<500	<0.50	<0.50	<0.50	<1.5	17	<5	-----	-----	-----	-----
MW-25	07/09/97	GTI	<50	660	<5	<5	<5	<5	17	<5	-----	-----	-----	-----
MW-25	01/06/98	GTI	<500	<100	<0.50	<0.50	<0.50	<1	15	<0.50	-----	-----	-----	-----
MW-25	05/21/98	BBC	<300	-----	<0.30	<0.50	<0.50	<1	8.6	<0.50	-----	-----	-----	-----
MW-25	11/04/98	GTI	<300	-----	<0.50	<0.50	<0.50	<0.50	11	<0.50	-----	-----	-----	-----
MW-25	05/06/99	Alton Geoscience	<500	<500	1.9	1.2	0.68	3.3	14	1.3	-----	-----	-----	-----
MW-25	05/26/99	GTI	<300	-----	<0.50	<0.50	<0.50	<0.50	10	<0.50	-----	-----	-----	-----
MW-25	11/18/99	IT Corporation	<300	-----	<0.50	<1	<0.50	<0.50	27	0.70	-----	-----	-----	-----
MW-25	05/16/00	IT Corporation	<300	-----	<0.50	<0.50	<0.50	<0.50	50	4.7	-----	-----	-----	-----
MW-25	11/28/00	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	62	11	-----	-----	-----	-----
MW-25	11/29/00	IT Corporation	<300	-----	<0.50	0.60	<0.50	0.80	73	14	-----	-----	-----	-----
MW-25	05/09/01	IT Corporation	<300	-----	<0.50	<0.50	<0.50	<0.50	45	7.1	-----	-----	-----	-----
MW-25	05/09/01	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	36	6.2	-----	-----	-----	-----
MW-25	11/07/01	IT Corporation	<300	-----	<0.50	<0.50	<0.50	<0.50	39	9.3	-----	-----	-----	-----
MW-25	04/12/02	IT Corporation	<300	-----	<0.50	<0.50	<0.50	<0.50	23	9.4	-----	-----	-----	-----
MW-25	10/24/02	GTI	<300	-----	<0.50	<1	<1	<1	15	5.1	-----	-----	-----	-----
MW-25	04/11/03	GTI	-----	-----	<0.50	<0.50	<0.50	<0.50	30.6	8.61	-----	-----	-----	-----
MW-25	10/11/03	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	13	3.4	-----	-----	-----	-----
MW-25	04/22/04	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	13	3.5	<10	2.4	<2	<2
MW-25	11/04/04	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	17	3.4	<10	2.9	<2	<2
MW-25	05/07/05	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	2.8	5	<10	<2	<2	<2
MW-25	11/08/05	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	0.95	1.9	<10	<2	<2	<2
MW-25	05/05/06	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	4.3	10	<10	<2	<2	<2
MW-25	12/05/06	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	3	3.5	<10	<2	<2	<2
MW-25	05/03/07	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	2.8	2.3	<10	<2	<2	<2
MW-25	11/14/07	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	1.6	1.3	<10	<2	<2	<2
MW-25	04/17/08	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	4.5	4.3	<10	<2	<2	<2
MW-25	10/16/08	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	8.9	6.1	<10	2.3	<2	<2

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-25	04/22/09	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	8.3	2.9	<10	<2	<2	<2
MW-25	10/23/09	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	4.1	0.83	<10	<2	<2	<2
MW-25	04/13/10	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	10	2.7	<10	2.5	<2	<2
MW-25	10/04/10	BT for Parsons	----	----	<0.50	----	----	----	2	0.35 J	<10	----	----	----
MW-25	04/12/11	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	7.1	1.4	<10	0.71 J	<2	<2
MW-25	10/13/11	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	1.4	0.31 J	<10	<2	<2	<2
MW-25	04/17/12	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	1.3	<0.50	<10	<2	<2	<2
MW-25	10/16/12	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	3.4	0.67	<10	<2	<2	<2
MW-25	04/09/13	Parsons	----	<100	<0.50	<0.50	<0.50	<0.50	3.6	0.49 J	<10	<2	<2	<2
MW-25	11/07/19	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	1.4	<1.2	<10	<2.0	<2.0	<2.0
MW-26	11/21/96	GSI	6,700	<500	460	400	200	340	0.7	----	----	----	----	----
MW-26	07/10/97	GTI	<50	270	<5	<5	<5	<5	<5	340	----	----	----	----
MW-26	01/06/98	GTI	<500	<100	<2.5	<2.5	<2.5	<5	<2.5	407	----	----	----	----
MW-26	05/21/98	BBC	<300	----	<0.30	<0.50	<0.50	<1	<0.50	<0.50	----	----	----	----
MW-26	11/04/98	GTI	<300	----	<0.50	1.3	<0.50	1.1	<0.50	146	----	----	----	----
MW-26	05/26/99	GTI	8,260	----	3,000	170	400	1,000	<0.50	380	----	----	----	----
MW-26	11/18/99	IT Corporation	<300	----	<0.50	<1	<0.50	<0.50	<0.50	3.4	----	----	----	----
MW-26	05/16/00	IT Corporation	8,400	----	2,300	<5	410	1,480	<5	76	----	----	----	----
MW-26	11/29/00	IT Corporation	1,800	----	440	15	69	240	<10	69	----	----	----	----
MW-26	05/10/01	IT Corporation	<300	----	2.1	<0.50	<0.50	<0.50	<0.50	1.9	----	----	----	----
MW-26	11/07/01	IT Corporation	1,700	----	370	79	37	171	<0.50	35	----	----	----	----
MW-26	04/11/02	IT Corporation	4,000	----	1,200	<5	230	528	<5	65	----	----	----	----
MW-26	10/24/02	GTI	2,100	----	970	<5	<5	262	<2.5	74	----	----	----	----
MW-26	04/11/03	GTI	----	----	858	<0.50	243	78.6	<0.50	108	----	----	----	----
MW-26	10/11/03	BT for Parsons	----	----	4.6	<0.50	5.7	0.54	<0.50	29	----	----	----	----
MW-26	04/22/04	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	140	18	<2	<2	<2
MW-26	11/04/04	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	110	23	<2	<2	<2
MW-26	05/07/05	BT for Parsons	----	----	<0.50	<0.50	3.1	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-26	11/08/05	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-26	05/05/06	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-26	12/06/06	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	1.9	<10	<2	<2	<2
MW-26	05/03/07	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	2	<10	<2	<2	<2
MW-26	11/14/07	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	4.4	<10	<2	<2	<2
MW-26	04/17/08	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.99	<10	<2	<2	<2
MW-26	10/16/08	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	5	<10	<2	<2	<2
MW-26	04/22/09	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-26	10/23/09	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	2	<10	<2	<2	<2
MW-26	04/13/10	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.66	<10	<2	<2	<2
MW-26	10/04/10	BT for Parsons	----	----	1.6	----	----	----	<0.50	0.68	<10	----	----	----
MW-26	04/13/11	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	2.3	<10	<2	<2	<2
MW-26	10/13/11	Parsons	----	----	1.4	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-26	04/17/12	Parsons	----	----	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	Parsons	----	----	3.9	0.5	2.2	0.69	<0.50	1.4	5.6 J	<2	<2	<2
MW-26	04/09/13	Parsons	----	990 b	2.0	0.36 J	1.5	0.36 J	<0.50	0.74	<10	<2	<2	<2
MW-26	10/08/13	Parsons	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	Parsons	1,200 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	SGI	1,400	670	<0.50	<0.50	0.54	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
MW-26	04/29/15	SGI	430	500	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
MW-26	10/23/15	SGI	280	230	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
MW 26	04/13/16	SGI	200	200	0.80	<0.50	1.6	4.9	<0.50	<1.0	<10	<2.0	<2.0	<2.0
DUP-4 (MW 26)	04/13/16	SGI	240	190	0.71	<0.50	1.4	4.8	<0.50	1.2	<10	<2.0	<2.0	<2.0
MW-26	10/05/16	SGI	170	270	2.2	<0.50	<0.50	<1.5	<0.50	1.0	<10	<2.0	<2.0	<2.0

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-26	04/19/17	SGI	<100	100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
MW-26	10/04/17	SGI	210	370	1.0	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
DUP-4 (MW-26)	10/04/17	SGI	230	330	0.91	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
MW-26	04/19/18	SGI	130	340	2.3	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
MW-26	11/08/18	SGI	<100	240	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
MW-26	04/17/19	SGI	<100	330	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
MW-26	11/05/19	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
MW-27	11/22/96	GSI	<50	<500	180	12	25	50	<0.50	----	----	----	----	----
MW-27	07/10/97	GTI	420	400	1,400	28	53	253	<5	79	----	----	----	----
MW-27	01/06/98	GTI	1,500	<100	940	<5	70	20	20	90	----	----	----	----
MW-27	05/21/98	BBC	<300	----	<0.30	<0.50	<0.50	<1	<0.50	<0.50	----	----	----	----
MW-27	11/04/98	GTI	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-27	05/26/99	GTI	<300	----	<0.50	<0.50	0.71	1.3	<0.50	1.1	----	----	----	----
MW-27	11/18/99	IT Corporation	7,200	----	1,700	8.6	100	1,110	<0.50	170	----	----	----	----
MW-27	05/16/00	IT Corporation	<300	----	1.7	<0.50	<0.50	<0.50	<0.50	5.0	----	----	----	----
MW-27	11/29/00	IT Corporation	<300	----	0.90	0.70	0.70	1.0	0.60	17	----	----	----	----
MW-27	05/10/01	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-27	11/07/01	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
MW-27	04/11/02	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.90	----	----	----	----
MW-27	10/24/02	GTI	<300	----	<0.50	<1	<1	<1	<0.50	9.7	----	----	----	----
MW-27	04/11/03	GTI	----	----	<0.50	<0.50	2.8	<0.50	<0.50	17	----	----	----	----
MW-27	10/11/03	BT for Parsons	----	----	6.2	<0.50	0.79	<0.50	<0.50	8.9	----	----	----	----
MW-27	04/22/04	BT for Parsons	----	----	130	<0.50	16	<0.50	<0.50	65	20	<2	<2	<2
MW-27	11/06/04	BT for Parsons	----	----	1.6	<0.50	17	<0.50	<0.50	65	21	<2	<2	<2
MW-27	05/07/05	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-27	11/08/05	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.59	<10	<2	<2	<2
MW-27	05/05/06	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	2.0	<10	<2	<2	<2
MW-27	12/06/06	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	2.3	<10	<2	<2	<2
MW-27	05/03/07	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	1.5	<10	<2	<2	<2
MW-27	11/14/07	BT for Parsons	----	----	1.3	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-27	04/18/08	BT for Parsons	----	----	2.9	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-27	10/17/08	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-27	04/22/09	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-27	10/26/09	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.54	<10	<2	<2	<2
MW-27	04/13/10	BT for Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	7.5 J	<2	<2	<2
MW-27	10/04/10	BT for Parsons	----	----	<0.50	----	----	----	<0.50	<0.50	<10	----	----	----
MW-27	04/12/11	BT for Parsons	----	----	<0.50	<0.50	0.35 J	3.2	<0.50	<0.50	<10	<2	<2	<2
MW-27	10/13/11	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-27	04/17/12	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-27	10/16/12	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	5.0	12	<2	<2	<2
MW-27	04/09/13	Parsons	----	310 b	<0.50	<0.50	<0.50	<0.50	<0.50	3.8	23	<2	<2	<2
MW-27	10/08/13	Parsons	<100	130 HD	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	5.7 J	<2	<2	<2
MW-27	10/29/14	SGI	<100	140	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
MW-27	04/22/15	SGI	<100	160	<0.50	<0.50	<0.50	<1.5	<0.50	3.4	<10	<2.0	<2.0	<2.0
MW-27	10/23/15	SGI	<100	130	<0.50	<0.50	<0.50	<1.5	<0.50	3.7	<10	<2.0	<2.0	<2.0
MW-27	04/13/16	SGI	<100	160	1.2	<0.50	1.7	5.5	<0.50	3.3	<10	<2.0	<2.0	<2.0
MW-27	10/05/16	SGI	<100	220	<0.50	<0.50	<0.50	<1.5	<0.50	3.1	<10	<2.0	<2.0	<2.0
DUP-3 (MW-27)	10/05/16	SGI	<100	250	<0.50	<0.50	<0.50	<1.5	<0.50	3.2	<10	<2.0	<2.0	<2.0
MW-27	04/19/17	SGI	<100	130	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
MW-27	10/04/17	SGI	<100	260	<0.50	<0.50	<0.50	<1.5	<0.50	3.1	<10	<2.0	<2.0	<2.0
MW-27	04/19/18	SGI	<100	350	<0.50	<0.50	<0.50	<1.5	<0.50	3.1	14	<2.0	<2.0	<2.0
MW-27	11/08/18	SGI	<100	150	<0.50	<0.50	<0.50	<1.5	<0.50	2.5	<10	<2.0	<2.0	<2.0

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-27	04/17/19	SGI	<100	300	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
MW-27	11/05/19	SGI	<100	130	<0.50	<0.50	<0.50	<1.5	<0.50	1.4	<10	<2.0	<2.0	<2.0
MW-28	11/27/96	GSI	1,500	<500	<2.5	<2.5	<2.5	<5	<2.5	-----	-----	-----	-----	-----
MW-28	07/10/97	GTI	220	2,200	<5	<5	<5	<5	<5	<5	-----	-----	-----	-----
MW-28	01/07/98	GTI	<500	<100	<0.50	<0.50	<0.50	<1	<0.50	<0.50	-----	-----	-----	-----
MW-28	05/21/98	BBC	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
MW-28	11/05/98	GTI	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
MW-28	05/26/99	GTI	<300	-----	0.33	<0.30	<0.30	0.70	-----	-----	-----	-----	-----	-----
MW-28	11/18/99	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
MW-28	05/17/00	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
MW-28	12/01/00	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
MW-28	05/10/01	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
MW-28	11/08/01	IT Corporation	300	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
MW-28	04/12/02	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
MW-28	04/22/15	SGI	<100	420	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
MW-28	04/20/17	SGI	<100	170	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
MW-29	05/21/98	BBC	84,700	-----	313	46	314	366	-----	-----	-----	-----	-----	-----
MW-29	11/05/98	GTI	28,600	-----	87	<0.30	2.2	31	-----	-----	-----	-----	-----	-----
MW-29	05/27/99	GTI	1,810	-----	150	<0.60	160	23	-----	-----	-----	-----	-----	-----
MW-29	11/18/99	IT Corporation	5,100	-----	220	<0.30	190	21	-----	-----	-----	-----	-----	-----
MW-29	05/17/00	IT Corporation	1,100	-----	23	<0.30	35	7.6	-----	-----	-----	-----	-----	-----
MW-29	11/30/00	IT Corporation	2,400	-----	120	<0.30	160	4.4	-----	<5	-----	-----	-----	-----
MW-29	05/09/01	IT Corporation	<300	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
MW-29	11/07/01	IT Corporation	1,500	-----	14	<0.30	3.7	2.1	-----	8.3	-----	-----	-----	-----
MW-29	02/01/02	Secor	-----	-----	100	7.3	160	990	<0.50	<0.50	-----	-----	-----	-----
MW-29	04/11/02	IT Corporation	860	-----	4.1	<0.30	4.3	12	-----	<5	-----	-----	-----	-----
MW-29	04/12/13	Parsons	-----	2,200	<0.50	<0.50	0.64	1.19 J	<0.50	<0.50	<10	<2	<2	<2
MW-29	10/08/13	Parsons	570	2,900 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	Parsons	710 HD	3,300 HD	11	<0.50	0.75	1.5	<0.50	<0.50	9.4 J	<2	<2	<2
MW-29	10/31/14	SGI	700	3,200	6.4	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
MW-29	04/29/15	SGI	370	2,900	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	11	<2.0	<2.0	<2.0
MW-29	10/26/15	SGI	120	490	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
MW-29	04/14/16	SGI	<100	350	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
DUP-6 (MW 29)	04/14/16	SGI	<100	360	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
MW-29	10/07/16	SGI	<100	250	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
DUP-6 (MW-29)	10/07/16	SGI	<100	230	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
MW-29	04/20/17	SGI	<100	380	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<50
DUPE-3 (MW-27)	11/08/18	SGI	<100	120	<0.50	<0.50	<0.50	<1.5	<0.50	2.9	<10	<2.0	<2.0	<2.0
MW-29	10/04/17	SGI	<100	630	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<20
MW-29	04/18/18	SGI	<100	170	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<50
MW-29	11/06/18	SGI	<100	250	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
MW-29	04/19/19	SGI	<100	140	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
MW-29	10/31/19	SGI	<100	250	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
MW-O-1	10/08/10	Blaine Tech	32,000	-----	3,700	1,700	1,100	1,800	<50	60	<500	<50	<50	<20
MW-O-1	04/13/11	Blaine Tech	14,000	-----	1,900	370	400	2,400	<20	13	<200	<20	<20	<2.0
MW-O-1	10/14/11	CH2M Hill	15,000	-----	580	240	580	1,800	<20	<10	<200	<20	<20	26
MW-O-1	10/19/12	CHHL	4,500	8,800	570	160	94	540	<4	17	59	<4	<4	<4
MW-O-1	10/27/15	BT for CH2MHill	26,000	20,000	5,900	3,100	110	810	<100	280	<1,000	<100	<100	<100
MW-O-2	10/05/10	Blaine Tech	570	-----	87	5.6	7.2	33	<1	81	33	3.3	<1	<1
MW-O-2	04/27/12	CH2M Hill	21,000	13,000	7,900	120	200	570	<100	160	<1,000	<100	<100	<100
MW-O-2	06/06/13	CHHL	10,000	7,000	5,400	<40	91	200	<80	190	<800	<80	<80	<80
MW-O-2	10/11/13	CHHL	43,000	4,800	17,000	710	530	1,500	<130	710	<1,300	<130	<130	<130

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017

Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-O-2	04/17/14	CHHL	37,000	1,200	16,000	1,600	220	1,500	<100	900	2,100	<100	<100	<100
MW-O-2	10/06/17	BT for CH2MHill	23,000	11,000	9,400	<50	99	820	<100	210	1,500	130	<100	<100
MW-O-2	11/09/18	BT for Jacobs	<5,000	2,600	2,100	<25	<25	<25	<50	73	910	81	<50	<50
MW-O-2	04/18/19	BT for Jacobs	2,000	11,000	980	<5	<5	<5	<10	55	490	<10	<10	<10
MW-SF-1	03/11/03	Geomatrix	1,700	----	1,400	16	76	54	<1	620	----	----	----	----
MW-SF-1	08/01/03	Secor	13,000	----	4,200	240	420	1,020	<30	910	----	----	----	----
MW-SF-1	10/07/03	Secor	15,000	----	4,800	170	390	1,060	<40	800	----	----	----	----
MW-SF-1	04/22/04	Secor	27,000	----	11,000	510	480	970	<100	3,800	----	----	----	----
MW-SF-1	11/03/04	Secor	34,000	----	13,000	400	690	1,170	<100	2,600	----	----	----	----
MW-SF-1	05/06/05	Secor	12,000	----	3,900	220	240	340	<30	670	----	----	----	----
MW-SF-1	11/02/05	Secor	15,000	----	5,600	340	330	1,050	<50	570	----	----	----	----
MW-SF-1	05/09/06	Secor	20,000	----	8,200	730	570	1,050	<100	1,300	----	----	----	----
MW-SF-1	12/08/06	Secor	19,000	----	7,000	640	590	960	<100	650	----	----	----	----
MW-SF-1	03/13/07	Secor	10,000	----	3,400	320	390	790	<50	160	----	----	----	----
MW-SF-1	05/04/07	Secor	11,000	----	3,400	110	430	229	<50	340	----	----	----	----
MW-SF-1	08/30/07	Secor	16,000	----	6,000	210	550	290	<100	430	----	----	----	----
MW-SF-1	11/14/07	Secor	16,000	----	6,100	180	540	213	<50	400	----	----	----	----
MW-SF-1	02/21/08	Secor	23,000	----	11,000	280	530	500	<100	1,100	----	----	----	----
MW-SF-1	04/16/08	Secor	21,000	----	11,000	350	440	550	<200	740	----	----	----	----
MW-SF-1	08/14/08	Secor	18,000	----	8,200	240	390	253	<100	490	----	----	----	----
MW-SF-1	10/16/08	Stantec	21,000	----	10,000	280	490	477	<100	770	----	----	----	----
MW-SF-1	02/24/09	Blaine Tech	11,000	----	6,300	85	160	65	<50	420	<500	----	----	----
MW-SF-1	04/20/09	Blaine Tech for AMEC	16,000	----	7,500	210	340	261	<100	340	<1,000	<100	<100	<100
MW-SF-1	07/22/09	Blaine Tech	12,000	----	6,300	110	180	89	<50	510	540	<50	<50	<50
MW-SF-1	10/23/09	Blaine Tech	21,000	----	11,000	110	350	63	<100	620	<1,000	<100	<100	<100
MW-SF-1	03/16/10	Blaine Tech	13,000	----	5,900	56	120	55	<50	650	<500	<50	<50	<50
MW-SF-1	05/27/10	Blaine Tech	8,800	----	3,900	46	150	51	<40	140	<400	<40	<40	<40
MW-SF-1	07/13/10	Blaine Tech	8,600	----	4,000	41	64	<25	<50	350	<500	<50	<50	<50
MW-SF-1	10/07/10	Blaine Tech	10,000	----	5,200	58	67	<50	<100	440	<1,000	<100	<100	<100
MW-SF-1	01/12/11	Blaine Tech	15,000	----	8,500	<50	<50	<50	<100	650	<1,000	<100	<100	<100
MW-SF-1	04/13/11	Blaine Tech	16,000	----	7,800	62	97	93	<100	450	<1,000	<100	<100	<100
MW-SF-1	07/12/11	CH2M Hill	8,400	----	4,700	34	76	<38	<50	240	<500	<50	<50	<50
MW-SF-1	10/12/11	CH2M Hill	9,500	----	4,500	32	71	37	<50	180	<500	<50	<50	<50
MW-SF-1	01/10/12	CH2M Hill	15,000	----	7,300	94	140	140	<100	240	<1,000	<100	<100	<100
MW-SF-1	04/19/12	CH2M Hill	8,800	17,000	4,600	33	90	83	<50	110	<500	<50	<50	<50
MW-SF-1	10/18/12	CHHL	3,700	6,400	1,500	<10	15	<10	<20	45	<200	<20	<20	<20
MW-SF-1	01/15/13	CHHL	8,500	4,100	4,500	93	56	39	<50	110	<500	<50	<50	<50
MW-SF-1	10/07/16	BT for CH2MHill	55	1,200	<0.50	<0.50	<0.50	<0.50	<0.50	0.57	<10	<1.0	<1.0	<1.0
MW-SF-1	04/20/17	BT for CH2MHill	<100	1,800	2.1	<0.50	<0.50	<0.50	<1	0.92	17	<1.0	<1.0	<1.0
MW-SF-1	10/06/17	BT for CH2MHill	<100	570	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<1.0	<1.0	<1.0
MW-SF-1	04/19/18	BT for Jacobs	61	310	<0.50	<0.50	<0.50	2.4	<0.50	<0.50	<10	<1	<1	<1
DUP (MW-SF-1)	04/19/18	BT for Jacobs	<100	250	<0.50	<0.50	<0.50	1.2	<0.50	<0.50	<10	<1	<1	<1
MW-SF-1	11/09/18	BT for Jacobs	<50	270	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-SF-1	04/19/19	BT for Jacobs	<100	450	<0.50	<0.50	<0.50	<0.50	<1	<0.50	<10	<1	<1	<1
MW-SF-1	10/31/19	BT for Jacobs	<200	580	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<2.0	<2.0	<2.0
MW-SF-2	10/05/10	Blaine Tech	110,000	----	21,000	18,000	1,200	7,100	<200	1,700	<2,000	<200	<200	<200
MW-SF-2	04/14/11	Blaine Tech	48,000	----	15,000	1,800	600	5,400	<200	930	<2,000	<200	<200	<200
MW-SF-2	10/13/11	CH2M Hill	72,000	----	18,000	9,600	660	5,100	<200	940	<2,000	<200	<200	<200
MW-SF-3	10/04/10	Blaine Tech	<500	----	32	10	<2.5	8.4	<5	50	3,000	<5	<5	<5
MW-SF-3	04/29/11	Blaine Tech	15,000	----	5,200	590	140	520	<50	2,300	1,200	<50	<50	<50
MW-SF-3	10/14/11	CH2M Hill	9,500	----	4,300	<25	28	38	<50	98	<500	<50	<50	<50
MW-SF-3	11/03/15	BT for CH2MHill	280,000	240,000	11,000	18,000	1,200	28,000	<200	7,600	<2,000	<200	<200	<200

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-SF-4	03/11/03	Geomatrix	3,600	-----	1,100	<13	180	120	<13	750	-----	-----	-----	-----
MW-SF-4	10/08/03	Secor	40,000	-----	4,600	1,900	990	5,200	<40	530	-----	-----	-----	-----
MW-SF-4	02/21/08	Secor	25,000	-----	4,100	89	1,200	2,730	<40	330	-----	-----	-----	-----
MW-SF-4	04/16/08	Secor	21,000	-----	4,600	94	970	2,920	<100	380	-----	-----	-----	-----
MW-SF-4	08/14/08	Secor	20,000	-----	4,200	43	1,100	770	<50	260	-----	-----	-----	-----
MW-SF-4	10/16/08	Stantec	17,000	-----	3,700	42	1,100	1,196	<40	170	-----	-----	-----	-----
MW-SF-4	02/23/09	Blaine Tech	20,000	-----	6,400	92	1,000	1,420	<50	950	<500	-----	-----	-----
MW-SF-4	05/28/10	Blaine Tech	17,000	-----	7,200	39	370	250	<50	440	<500	120	<50	<50
MW-SF-4	07/14/10	Blaine Tech	13,000	-----	4,400	37	450	360	<50	320	<500	64	<50	<50
MW-SF-4	10/07/10	Blaine Tech	30,000	-----	8,900	<50	940	770	<100	620	<1,000	<100	<100	<100
MW-SF-4	01/12/11	Blaine Tech	20,000	-----	8,500	<50	350	280	<100	350	<1,000	100	<100	<100
MW-SF-4	04/13/11	Blaine Tech	11,000	-----	2,600	<15	320	297	<30	180	<300	<30	<30	<30
MW-SF-4	07/12/11	CH2M Hill	15,000	-----	4,500	36	530	540	<50	220	<500	<50	<50	<50
MW-SF-4	01/10/12	CH2M Hill	22,000	-----	4,900	<25	590	770	<50	160	<500	<50	<50	<50
MW-SF-4	04/20/12	CH2M Hill	19,000	7,200	4,500	36	480	360	<50	460	<500	<50	<50	<50
MW-SF-4	10/19/12	CHHL	8,900	9,900	2,200	40	280	420	<20	160	410	<20	<20	<20
MW-SF-4	01/15/13	CHHL	13,000	3,700	5,000	46	660	300	<80	380	<800	<80	<80	<80
MW-SF-4	10/07/16	BT for CH2MHill	<500	4,700	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	<50	<5.0	<5.0	<5.0
MW-SF-4	04/20/17	BT for CH2MHill	<100	1,400 J	3.4	<0.50	0.53	1.2	<1	1.2	<10	5.6	<1.0	<1.0
MW-SF-4	10/06/17	BT for CH2MHill	<200	3,300	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<20	<2.0	<2.0	<2.0
MW-SF-4	04/20/18	BT for Jacobs	<50	1,300	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-SF-4	04/19/19	BT for Jacobs	<50	1,800	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-SF-4	10/31/19	BT for Jacobs	<50	640	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<10	<1.0	<1.0	<1.0
MW-SF-5	10/08/10	Blaine Tech	540	-----	110	1.1	<1	<2	<2	400	180	18	<2	<2
MW-SF-5	04/13/11	Blaine Tech	570	-----	41	<2	<2	<2	<4	380	270	24	<4	<4
MW-SF-5	10/13/11	CH2M Hill	<500	-----	6.9	<2.5	<2.5	<2.5	<5	240	100	11	<5	<5
MW-SF-5	10/31/14	BT for CH2MHill	<200	1,800	3.4	7.0	1.0	14	<2.0	17	70	<2.0	<2.0	<2.0
MW-SF-5	04/24/15	BT for CH2MHill	<500	1,200	190	<2.5	<2.5	<2.5	<5.0	16	<50	<5.0	<5.0	<5.0
MW-SF-5	10/27/15	BT for CH2MHill	270	370	13	0.52	<0.50	0.89	<0.50	10	35	2.0	<2.0	<2.0
MW-SF-6	10/08/10	Blaine Tech	59,000	-----	15,000	7,200	940	4,300	<200	740	<2,000	<200	<200	<200
MW-SF-6	04/14/11	Blaine Tech	32,000	-----	12,000	330	540	3,800	<100	810	<1,000	<100	<100	<100
MW-SF-6	10/13/11	CH2M Hill	40,000	-----	14,000	420	780	3,600	<200	570	<2,000	<200	<200	<200
MW-SF-6	10/07/16	BT for CH2MHill	8,400	10,000	430	<5.0	35	640	<10	53	390	<10	<10	<10
MW-SF-6	04/20/17	BT for CH2MHill	2,000	3,900	42	<1.0	5.8	37	<2.0	21	130	22	<2.0	<2.0
MW-SF-6	10/06/17	BT for CH2MHill	1,300	71,000	98	<1.0	32	53	<2.0	3.1	32	4.2	<2.0	<2.0
MW-SF-6	04/20/18	BT for Jacobs	<200	5,200	5.5	<1	1.8	1.5	<2	3.6	110	5.6	<2	<2
MW-SF-6	11/09/18	BT for Jacobs	<200	8,200	12	<1.0	3.1	4.1	<2.0	4.2	37	5.2	<2.0	<2.0
MW-SF-6	04/19/19	BT for Jacobs	200	6,300	12	<1	6.2	6.4	<2	2.8	66	13	<2	<2
MW-SF-6	10/31/19	BT for Jacobs	<200	13,000	2.8	<1.0	1.8	1.6	<2.0	1.0	60	6.6	<2.0	<2.0
MW-SF-9	03/11/03	Geomatrix	24,000	-----	3,200	940	340	1,040	<25	1,600	-----	-----	-----	-----
MW-SF-9	08/01/03	Secor	6,600	-----	980	72	140	430	17	2,500	-----	-----	-----	-----
MW-SF-9	10/07/03	Secor	5,800	-----	340	8.8	82	92	<5	3,200	-----	-----	-----	-----
MW-SF-9	05/04/05	Secor	5,700	-----	730	73	130	190	<10	54	-----	-----	-----	-----
MW-SF-9	11/03/05	Secor	<500	-----	9.4	<2.5	<2.5	<2.5	<5	<2.5	-----	-----	-----	-----
MW-SF-9	12/08/06	Secor	<500	-----	35	<2.5	<2.5	3.6	<5	8.7	-----	-----	-----	-----
MW-SF-9	11/14/07	Secor	110	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-SF-9	04/16/08	Secor	920	-----	200	1.4	6.3	3.9	<1	16	-----	-----	-----	-----
MW-SF-9	10/21/08	Stantec	350	-----	10	<0.50	2.3	<0.50	<1	<0.50	-----	-----	-----	-----
MW-SF-9	04/23/09	Blaine Tech for AMEC	430	-----	44	<0.50	1.2	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-SF-9	10/22/09	Blaine Tech	2,400	-----	1,300	<10	11	<10	<20	13	<200	<20	<20	<20
MW-SF-9	05/27/10	Blaine Tech	350	-----	100	1.3	<1	<1	<2	<1	<20	<2	<2	<2
MW-SF-9	10/07/10	Blaine Tech	1,100	-----	450	7.8	17	<2.5	<5	<2.5	<50	<5	<5	<5

**APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017**

Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-SF-9	04/13/11	Blaine Tech	310	-----	36	<0.50	<0.50	1.2	<1	<0.50	<10	<1	<1	<1
MW-SF-9	04/19/12	CH2M Hill	480	3,300	160	<1	<1	<1	<2	<1	<20	2.2	<2	<2
MW-SF-9	06/06/13	CHHL	2,300	4,500	680	25	52	190	<10	20	<100	40	<10	<10
MW-SF-9	10/11/13	CHHL	4,100	7,300	910	220	55	310	<20	17	<200	<20	<20	<20
MW SF 9	04/14/16	BT for CH2MHill	2,300	5,100	96	1.8	64	170	<3	1.7	130	3.4	<3	<3
MW-SF-10	10/05/10	Blaine Tech	30,000	-----	1,500	1,200	600	2,700	<30	31	<300	<30	<30	<30
MW-SF-10	04/14/11	Blaine Tech	31,000	-----	520	68	410	6,500	<20	21	<200	<20	<20	<20
MW-SF-10	10/13/11	CH2M Hill	18,000	-----	320	320	260	2,900	<20	<10	<200	<20	<20	<20
MW-SF-11	10/05/10	Blaine Tech	7,800	-----	4,000	210	<15	110	<30	140	940	<30	<30	<30
MW-SF-11	04/29/11	Blaine Tech	16,000	-----	10,000	60	95	140	<100	130	<1,000	<100	<100	<100
MW-SF-11	10/13/11	CH2M Hill	30,000	-----	14,000	250	340	600	<200	<100	<2,000	<200	<200	<200
MW-SF-11	04/19/12	CH2M Hill	15,000	160	8,100	130	110	480	<100	100	<1,000	<100	<100	<100
MW-SF-11	10/18/12	CHHL	77,000	320	18,000	420	2,600	6,500	<200	<100	<2,000	<200	<200	<200
MW-SF-12	10/05/10	Blaine Tech	17,000	-----	5,300	1,800	110	680	<50	2,200	880	<50	<50	<50
MW-SF-12	04/29/11	Blaine Tech	27,000	-----	5,900	4,400	340	3,400	<50	2,200	<500	<50	<50	<50
MW-SF-12	10/13/11	CH2M Hill	110,000	-----	24,000	18,000	1,000	6,400	<200	7,200	<2,000	<200	<200	<200
MW-SF-13	10/05/10	Blaine Tech	9,000	-----	2,100	1,000	83	520	<20	680	280	61	<20	<20
MW-SF-13	04/29/11	Blaine Tech	3,400	-----	1,000	64	20	189	<10	39	270	23	<10	<10
MW-SF-13	10/14/11	CH2M Hill	42,000	-----	12,000	5,200	300	2,200	<200	580	<2,000	<200	<200	<200
MW-SF-13	10/07/16	BT for CH2MHill	5,300	4,400	<5.0	<5.0	200	340	<10	<5.0	<100	<10	<10	<10
MW-SF-13	04/20/17	BT for CH2MHill	2,000	1,500	3.9	1.6	26	60	<2	1.9	36	4.8	<2.0	<2.0
MW-SF-13	10/06/17	BT for CH2MHill	<100	2,700	2.0	0.67	<0.50	<0.50	<1.0	0.98	18	2.6	<1.0	<1.0
MW-SF-13	04/20/18	BT for Jacobs	<100	1,400	1.3	<0.50	<0.50	<0.50	<1	0.55	<10	<1	<1	<1
MW-SF-13	11/09/18	BT for Jacobs	<200	530	1.2	<1.0	<1.0	<1.0	<2.0	<1.0	<20	<2.0	<2.0	<2.0
MW-SF-13	04/19/19	BT for Jacobs	<200	980	<1	<1	<1	<1	<2	<1	<20	<2	<2	<2
MW-SF-13	11/01/19	BT for Jacobs	<200	1,000	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<20	<2.0	<2.0	<2.0
MW-SF-14	10/08/10	Blaine Tech	30,000	-----	10,000	300	1,400	1,400	<200	1,900	2,300	<200	<200	<200
MW-SF-14	04/29/11	Blaine Tech	18,000	-----	12,000	84	130	150	<100	330	1,800	<100	<100	<100
MW-SF-14	10/13/11	CH2M Hill	<20,000	-----	9,100	120	<100	660	<200	760	<2,000	<200	<200	<200
MW-SF-14	04/19/12	CH2M Hill	15,000	450	8,200	47	43	120	<50	220	630	<50	<50	<50
MW-SF-14	10/18/12	CHHL	9,800	200	5,100	24	<20	64	<40	58	<400	<40	<40	<40
MW-SF-14	04/24/15	BT for CH2MHill	510	3,300	100	13	<2.5	18	<5.0	21	<50	<5.0	<5.0	<5.0
MW-SF-14	10/27/15	BT for CH2MHill	270,000	440,000	8,700	18,000	2,800	19,000	<200	2,600	<2,000	<200	<200	<200
MW SF 14	04/15/16	BT for CH2MHill	370	17,000	4.7	<0.50	<0.50	39	<0.50	63	500	<1.0	<1.0	<1.0
MW-SF-15	10/05/10	Blaine Tech	8,600	-----	1,900	700	63	500	<20	1,000	9,200	37	<20	<20
MW-SF-15	04/29/11	Blaine Tech	10,000	-----	5,500	230	100	361	<40	1,200	3,400	62	<40	<40
MW-SF-15	10/14/11	CH2M Hill	35,000	-----	11,000	860	210	1,700	<200	780	2,300	<200	<200	<200
MW-SF-15	10/07/16	BT for CH2MHill	<500	16,000	7.1	<2.5	<2.5	<2.5	<5.0	26	720	12	<5.0	<5.0
MW-SF-15	04/20/17	BT for CH2MHill	190	550	2.5	<0.50	0.69	<0.50	<1	17	300	48	<1.0	<1.0
MW-SF-15	10/06/17	BT for CH2MHill	110	1,300	1.5	<0.50	<0.50	<0.50	<1.0	1.3	180	52	<1.0	<1.0
MW-SF-15	04/20/18	BT for Jacobs	120	410	2.1	<0.50	<0.50	<0.50	<1	4.6	1,400	53	<1	<1
MW-SF-15	11/08/18	BT for Jacobs	130	140	1.6	<0.50	<0.50	<0.50	0.85	1.9	220	55	<1.0	<1.0
MW-SF-15	04/23/19	BT for Jacobs	130	870	3.0	0.91	0.53	4.9	<1	1.8	71	54	<1	<1
MW-SF-15	10/31/19	BT for Jacobs	130	600	0.55	<1.0	<1.0	<1.0	<2.0	3.5	83	69	<2.0	<2.0
MW-SF-16	10/04/10	Blaine Tech	4,100	-----	1,600	150	39	160	<20	170	1,800	39	<20	<20
MW-SF-16	04/29/11	Blaine Tech	5,900	-----	2,400	210	150	563	<20	210	370	30	<20	<20
MW-SF-16	10/14/11	CH2M Hill	7,900	-----	2,900	130	140	380	<50	200	<500	<50	<50	<50
MW-SF-16	10/31/14	BT for CH2MHill	100,000	110,000	7,400	7,800	1,000	17,000	<200	350	<2,000	<200	<200	<200
MW-SF-16	04/24/15	BT for CH2MHill	30,000	250,000	1,400	2,300	570	4,100	<40	170	<400	<40	<40	<40
MW-SF-16	10/27/15	BT for CH2MHill	3,000	490	750	39	35	160	<20	41	<200	37	<20	<20
PO-7	11/08/05	BT for Parsons	<100	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
PW-1	11/27/96	Terra Services	-----	-----	<1	2.2	<1	2.0	270	<10	-----	-----	-----	-----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
PW-1	07/15/97	Terra Services	190	<500	<0.50	<0.50	<0.50	<1	180	<5	----	----	----	----
PW-1	01/05/98	Terra Services	<100	<500	<0.50	<0.50	<0.50	<1.5	68	<5	----	----	----	----
PW-1	05/22/98	Terra Services	<300	----	<0.50	<0.50	<0.50	<1	38	<0.50	----	----	----	----
PW-1	11/13/98	Alton Geoscience	<300	----	<0.50	<0.50	<0.50	<0.50	73	8.1	----	----	----	----
PW-1	05/06/99	Alton Geoscience	<500	<500	<0.50	<0.50	<0.50	<0.50	5.7	<0.50	----	----	----	----
PW-1	11/17/99	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	2.5	<0.50	----	----	----	----
PW-1	05/17/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	1.5	<0.50	----	----	----	----
PW-1	11/28/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	0.70	<0.50	----	----	----	----
PW-1	05/09/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	0.60	<0.50	----	----	----	----
PW-1	11/07/01	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	1.3	<0.50	----	----	----	----
PW-1	04/11/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
PW-1	10/23/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
PW-1	04/08/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
PW-1	10/08/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
PW-1	04/21/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
PW-1	11/04/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
PW-1	05/05/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	2.1	<0.50	----	----	----	----
PW-1	05/09/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
PW-1	12/07/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
PW-1	05/05/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
PW-1	11/14/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
PW-1	04/18/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
PW-1	11/21/08	Stantec	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
PW-1	04/20/09	Blaine Tech for AMEC	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
PW-1	10/21/09	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
PW-1	05/26/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
PW-1	10/06/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
PW-1	04/12/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
PW-1	10/11/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
PW-1	11/07/19	SGI	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
PW-2	11/25/96	Terra Services	----	----	<0.50	<0.50	<0.50	<1.5	76	3.3	----	----	----	----
PW-2	07/14/97	Terra Services	140	<500	<0.50	<0.50	<0.50	<1	160	<5	----	----	----	----
PW-2	01/06/98	Terra Services	<100	<500	<0.50	<0.50	<0.50	<1.5	82	<5	----	----	----	----
PW-2	05/22/98	Terra Services	<300	----	<0.50	<0.50	<0.50	<1	37	0.90	----	----	----	----
PW-2	08/25/98	Geomatrix	<300	----	<0.50	<0.50	<0.50	<0.50	6.8	<0.50	----	----	----	----
PW-2	11/16/98	Alton Geoscience	<300	----	16	18	2.0	11	35	58	----	----	----	----
PW-2	02/03/99	Alton Geoscience	<500	<500	<0.50	<0.50	<0.50	<1	79	2.4	----	----	----	----
PW-2	05/06/99	Alton Geoscience	<500	<500	<0.50	<0.50	<0.50	<0.50	3.4	<0.50	----	----	----	----
PW-2	08/10/99	Alton Geoscience	<500	<1,000	<0.50	<1	<1	<1	32	<1	----	----	----	----
PW-2	11/19/99	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	45	0.70	----	----	----	----
PW-2	02/29/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	58	<0.50	----	----	----	----
PW-2	05/16/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	50	0.80	----	----	----	----
PW-2	08/29/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	56	0.60	----	----	----	----
PW-2	11/29/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	35	0.60	----	----	----	----
PW-2	02/06/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	28	0.80	----	----	----	----
PW-2	05/08/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	14	<0.50	----	----	----	----
PW-2	09/19/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	24	<0.50	----	----	----	----
PW-2	11/06/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	23	<0.50	----	----	----	----
PW-2	01/30/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
PW-2	04/09/02	Secor	<300	----	<0.50	<0.50	<0.50	1.7	19	<0.50	----	----	----	----
PW-2	10/24/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
PW-2	01/16/03	Geomatrix	<300	----	----	----	----	----	----	----	----	----	----	----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
PW-2	04/08/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
PW-2	07/07/03	Geomatrix	----	----	<0.50	<1	<1	<1	<0.50	<1	----	----	----	----
PW-2	10/07/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	8.8	----	----	----	----
PW-2	04/21/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	18	0.56	----	----	----	----
PW-2	07/08/04	Geomatrix	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
PW-2	11/03/04	Secor	83	----	<0.50	<0.50	<0.50	<0.50	52	1.5	----	----	----	----
PW-2	05/06/05	Secor	110	----	<0.50	<0.50	<0.50	<0.50	70	6.2	----	----	----	----
PW-2	11/03/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
PW-2	05/04/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
PW-2	12/06/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	6.8	<0.50	----	----	----	----
PW-2	05/02/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	0.57	<0.50	----	----	----	----
PW-2	11/13/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
PW-2	04/17/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
PW-3	11/25/96	Terra Services	----	----	<0.50	<0.50	<0.50	<1.5	110	<5	----	----	----	----
PW-3	07/14/97	Terra Services	140	<500	5.9	2.4	2.9	8.4	67	<5	----	----	----	----
PW-3	01/08/98	Terra Services	<100	<500	1.2	1.1	<0.50	<1.5	46	<5	----	----	----	----
PW-3	05/22/98	Terra Services	<300	----	<0.50	<0.50	<0.50	<1	48	1.6	----	----	----	----
PW-3	08/25/98	Geomatrix	<300	----	<0.50	<0.50	<0.50	<0.50	35	<0.50	----	----	----	----
PW-3	11/16/98	Alton Geoscience	<300	----	<0.50	4.5	0.60	3.6	21	<0.50	----	----	----	----
PW-3	02/03/99	Alton Geoscience	<500	<500	<0.50	<0.50	<0.50	<1	25	<0.50	----	----	----	----
PW-3	05/06/99	Alton Geoscience	<500	<500	<0.50	<0.50	<0.50	<0.50	21	<0.50	----	----	----	----
PW-3	08/10/99	Alton Geoscience	<500	<1,000	<0.50	<1	<1	<1	13	<1	----	----	----	----
PW-3	11/28/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	3.5	<0.50	----	----	----	----
PW-3	05/08/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	4.4	<0.50	----	----	----	----
PW-3	09/19/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	2.7	<0.50	----	----	----	----
PW-3	11/06/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	4.8	<0.50	----	----	----	----
PW-3	01/30/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
PW-3	04/09/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	3.0	<0.50	----	----	----	----
PW-3	10/24/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
PW-3	01/16/03	Geomatrix	<300	----	----	----	----	----	----	----	----	----	----	----
PW-3	04/08/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	0.73	<0.50	----	----	----	----
PW-3	07/07/03	Geomatrix	----	----	<0.50	<1	<1	<1	<0.50	<1	----	----	----	----
PW-3	10/07/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	2.6	<0.50	----	----	----	----
PW-3	04/21/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
PW-3	07/13/04	Geomatrix	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
PW-3	11/03/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
PW-3	05/06/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	0.53	<0.50	----	----	----	----
PW-3	11/03/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
PW-3	05/03/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
PW-3	12/06/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	1.1	<0.50	----	----	----	----
PW-3	05/02/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
PW-3	11/15/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
PW-3	04/17/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
PW-3	10/17/08	Stantec	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
PW-3	04/20/09	Blaine Tech for AMEC	<50	----	<0.50	<0.50	<0.50	<0.50	0.64	<0.50	<10	<1	<1	<1
PW-3	10/21/09	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	0.86	<0.50	<10	<1	<1	<1
PW-3	05/26/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	1.3	<0.50	<10	<1	<1	<1
PW-3	10/06/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
PW-3	04/12/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	1.4	<0.50	<10	1.0	<1	<1
PW-3	10/11/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
PW-3	04/18/12	CH2M Hill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
PW-3	10/17/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017

Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
PW-3	04/10/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
PW-3	10/09/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
PW-3	04/15/14	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
PW-3	10/29/14	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
PW-3	04/22/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
PW-3	10/22/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
PW-3	04/13/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
PW-3	10/05/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
PW-3	04/21/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.67	<10	<1.0	<1.0	<1.0
PW-3	10/03/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
PW-3	04/17/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
PW-3	11/07/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
PW-3	04/19/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
PW-3	10/31/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
PZ-1	11/27/96	Terra Services	----	----	79	16	140	49	15	610	----	----	----	----
PZ-1	07/16/97	Terra Services	220	<500	<0.50	<0.50	13	<1	3.0	480	----	----	----	----
PZ-1	01/06/98	Terra Services	<100	<500	<0.50	<0.50	<0.50	<1.5	1.3	17	----	----	----	----
PZ-1	05/26/98	Terra Services	400	----	<5	<5	<5	<10	<5	370	----	----	----	----
PZ-1	11/16/98	Alton Geoscience	516	----	110	67	8.0	38	7.2	320	----	----	----	----
PZ-1	05/06/99	Alton Geoscience	2,000	<500	500	<2	13	120	<5	230	----	----	----	----
PZ-1	11/17/99	Secor	<300	----	<2.5	<2.5	<2.5	<2.5	<2.5	210	----	----	----	----
PZ-1	05/17/00	Secor	350	----	51	<2.5	2.7	<2.5	<2.5	250	----	----	----	----
PZ-1	11/29/00	Secor	390	----	79	<2.5	<2.5	<2.5	<2.5	260	----	----	----	----
PZ-1	05/08/01	Secor	<300	----	15	<0.50	<0.50	<0.50	<0.50	330	----	----	----	----
PZ-1	11/06/01	Secor	550	----	8.4	<0.50	<0.50	0.70	1.4	470	----	----	----	----
PZ-1	04/09/02	Secor	<300	----	<2.5	<2.5	<2.5	<2.5	<2.5	270	----	----	----	----
PZ-2	04/11/13	CHHL	210	940	9.9	<1	13	<1	<2	<1	<20	<2	<2	<2
PZ-2	10/11/13	CHHL	400	580	9.0	<0.50	1.3	2.0	<1	<0.50	23	<1	<1	<1
PZ-2	04/17/14	CHHL	330	280	2.0	<0.50	<0.50	2.6	<1	0.60	25	<1	<1	<1
PZ-2	04/23/15	BT for CH2MHill	250	810	<1.0	<1.0	2.5	13	<2.0	<1.0	29	<2.0	<2.0	<2.0
PZ-2	10/27/15	BT for CH2MHill	210	460	1.2	<0.50	1.2	3.8	<0.50	0.56	42	<1.0	<1.0	<1.0
PZ-2	10/27/15	BT for CH2MHill	210	680	1.5	<0.50	1.2	3.6	<0.50	0.61	43	<1.0	<1.0	<1.0
PZ-2	04/13/16	BT for CH2MHill	2,300	1,300	110	20	120	390	<2	1.3	<20	<2.0	<2.0	<2.0
DUP-2 (PZ 2)	04/13/16	BT for CH2MHill	2,300	890	120	21	130	390	<2	1.3	<20	<2.0	<2.0	<2.0
PZ-2	10/06/16	BT for CH2MHill	410	550	3.5	0.84	8.2	22	<0.50	1.7	23	<1.0	<1.0	<1.0
DUP-6 (PZ-2)	10/06/16	BT for CH2MHill	370	700	3.1	0.80	7.0	20	<0.50	1.6	21	<1.0	<1.0	<1.0
PZ-2	04/20/17	BT for CH2MHill	<50	94	<0.50	<0.50	<0.50	<0.50	<0.50	0.88	<10	<1.0	<1.0	<1.0
DUP-6 (PZ-2)	04/20/17	BT for CH2MHill	<50	81	<0.50	<0.50	<0.50	<0.50	<0.50	0.80	<10	<1.0	<1.0	<1.0
PZ-2	10/05/17	BT for CH2MHill	120	440	<0.50	<0.50	<0.50	2.6	<0.50	1.1	<10	<1.0	<1.0	<1.0
DUP-6 (PZ-2)	10/05/17	BT for CH2MHill	330	500	<0.50	<0.50	<0.50	4.1	<0.50	1.0	<10	<1.0	<1.0	<1.0
PZ-2	04/19/18	BT for Jacobs	110	680	<0.50	<0.50	<0.50	<0.50	<0.50	2.1	<10	<1	<1	<1
DUP (PZ-2)	04/19/18	BT for Jacobs	85	560	<0.50	<0.50	<0.50	<0.50	<0.50	2.4	14	<1	<1	<1
PZ-2	11/09/18	BT for Jacobs	<50	200	<0.50	<0.50	<0.50	<0.50	<0.50	1.5	<10	<1.0	<1.0	<1.0
DUP-6 (PZ-2)	11/09/18	BT for Jacobs	<50	180	<0.50	<0.50	<0.50	<0.50	<0.50	0.79	<10	<1.0	<1.0	<1.0
PZ-2	04/19/19	BT for Jacobs	<50	150	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<10	<1	<1	<1
DUPE (PZ-2)	04/19/19	BT for Jacobs	<50	160	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<10	<1	<1	<1
PZ-2	10/30/19	BT for Jacobs	<50	410	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
DUP-6 (PZ-2)	10/30/19	BT for Jacobs	<50	430	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
PZ-3	04/22/04	BT for Parsons	----	----	6,300	<1,500	4,100	24,000	----	<25,000	----	----	----	----
PZ-3	04/22/09	BT for Parsons	----	----	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<50	<10	<10	<10
PZ-3	04/15/10	BT for Parsons	----	----	2.2	<0.50	<0.50	<0.50	<0.50	0.74	<10	<2	<2	<2
PZ-3	10/08/10	BT for Parsons	----	----	0.60	----	----	----	<0.50	0.69	<10	----	----	----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
PZ-3	04/14/11	BT for Parsons	-----	-----	1.3	<0.50	<0.50	<0.50	<0.50	0.71	<10	<2	<2	<2
PZ-3	10/14/11	Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
PZ-3	04/19/12	Parsons	-----	-----	0.68	<0.50	<0.50	0.26 J	<0.50	0.52	6.6 J	<2	<2	<2
PZ-3	10/19/12	Parsons	-----	-----	280	<0.50	150	362	<0.50	<0.50	<10	<2	<2	<2
PZ-3	10/09/13	Parsons	2,100	10,000 HD	53	0.25 J	44	95	<0.50	1.6	<10	<2	<2	<2
PZ-3	04/18/14	Parsons	5,300 HD	6,900 HD	420	<0.50	7.4	1.9	<0.50	1.2	18	<2	<2	<2
PZ-3	11/03/14	SGI	1,300	2,700	52	<0.50	1.4	<1.5	<0.50	3.7	12	<2.0	<2.0	<2.0
PZ-3	04/22/15	SGI	3,000	3,600	59	<0.50	1.2	<1.0	<0.50	2.8	<10	<2.0	<2.0	<2.0
PZ-3	10/10/17	SGI	710	1,500	28	<1.0	<1.0	<3.0	<1.0	<2.0	<4.0	<4.0	<4.0	<4.0
PZ-3	04/20/18	SGI	690	5,300 J	94	<1.0	1.9	1.0	<1.0	11	<20	<4.0	<4.0	<4.0
PZ-3	11/12/18	SGI	690	4,300	16	<0.50	0.50	<1.5	<0.50	2.3	<10	<2.0	<2.0	<2.0
PZ-3	04/19/19	SGI	<100	330	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
PZ-3	10/31/19	SGI	210	520	<0.50	<0.50	<0.50	<1.5	<0.50	3.1	<10	<2.0	<2.0	<2.0
PZ-5	10/07/03	Secor	6,900	-----	11	<10	<10	<10	<20	9,100	-----	-----	-----	-----
PZ-5	05/05/05	Secor	<50	-----	0.87	<0.50	<0.50	<0.50	<0.50	43	-----	-----	-----	-----
PZ-5	11/02/05	Secor	1,200	-----	<2.5	<2.5	<2.5	<2.5	<5	2,100	-----	-----	-----	-----
PZ-5	02/28/06	Secor	160	-----	<0.50	<0.50	<0.50	<0.50	<1	380	-----	-----	-----	-----
PZ-5	05/04/06	Secor	1,200	-----	<2	<2	<2	<2	<4	1,900	-----	-----	-----	-----
PZ-5	09/19/06	Secor	480	-----	<1	<1	<1	<1	<2	1,200	-----	-----	-----	-----
PZ-5	12/07/06	Secor	480	-----	<1.5	<1.5	<1.5	<1.5	<3	960	-----	-----	-----	-----
PZ-5	03/13/07	Secor	320	-----	<1	<1	<1	<1	<2	690	-----	-----	-----	-----
PZ-5	05/04/07	Secor	400	-----	<0.50	<0.50	<0.50	<0.50	<1	610	-----	-----	-----	-----
PZ-5	08/29/07	Secor	380	-----	<1	<1	<1	<1	<2	480	-----	-----	-----	-----
PZ-5	11/15/07	Secor	370	-----	<0.50	<0.50	<0.50	<0.50	<1	470	-----	-----	-----	-----
PZ-5	02/20/08	Secor	940	-----	<1	<1	<1	<1	<2	750	-----	-----	-----	-----
PZ-5	04/15/08	Secor	750	-----	<1	<1	<1	<1	<2	740	-----	-----	-----	-----
PZ-5	08/12/08	Secor	1,500	-----	<2	<2	<2	<2	<4	2,000	-----	-----	-----	-----
PZ-5	10/16/08	Stantec	<3,000	-----	22	<15	<15	<15	<30	1,900	-----	-----	-----	-----
PZ-5	02/24/09	Blaine Tech	1,000	-----	61	<1	<1	<1	<2	1,200	37,000	-----	-----	-----
PZ-5	02/24/09	Blaine Tech	1,200	-----	250	<2	5.7	<2	<4	1,200	35,000	<4	<4	<4
PZ-5	04/23/09	Blaine Tech for AMEC	1,200	-----	250	<2	5.7	<2	<4	1,200	35,000	<4	<4	<4
PZ-5	07/22/09	Blaine Tech	3,800	-----	2,000	20	98	77	<5	800	54,000	<5	<5	<5
PZ-5	10/23/09	Blaine Tech	2,900	-----	1,100	18	53	69	<10	500	50,000	<10	<10	<10
PZ-5	03/16/10	Blaine Tech	1,700	-----	370	2.1	33	9.4	<4	350	58,000	<4	<4	<4
PZ-5	04/16/10	Blaine Tech	1,600	-----	110	<2.5	9.7	4.6	<5	340	91,000	<5	<5	<5
PZ-5	05/27/10	Blaine Tech	3,200,000 J	-----	1,100	<25	66	<25	<50	360	69,000	<50	<50	<50
PZ-5	07/14/10	Blaine Tech	4,600	-----	1,900	<10	180	<10	<20	530	82,000	<20	<20	<20
PZ-5	08/12/10	Blaine Tech	9,100	-----	4,400	<5	340	42	<10	490	64,000	<10	<10	<10
PZ-5	09/20/10	Blaine Tech	8,500	-----	4,200	2.8	110	12	<4	370	43,000	<4	<4	<4
PZ-5	10/07/10	Blaine Tech	6,300	-----	3,100	<20	56	<20	<40	150	40,000	<40	<40	<40
PZ-5	11/16/10	Blaine Tech	3,400	-----	1,600	<10	10	15	<20	130	20,000	<20	<20	<20
PZ-5	12/22/10	Blaine Tech	3,400	-----	1,600	<10	<10	<10	<20	100	22,000	<20	<20	<20
PZ-5	01/12/11	Blaine Tech	<4,000	-----	1,500	<5	<5	<5	<10	130	38,000	<10	<10	<10
PZ-5	02/24/11	Blaine Tech	1,400	-----	390	<2	<2	3.8	<4	84	27,000	<4	<4	<4
PZ-5	03/23/11	Blaine Tech	1,100	-----	210	<1	<1	2.4	<2	140	29,000	<2	<2	<2
PZ-5	04/13/11	Blaine Tech	830	-----	59	<1	<1	<1	<2	120	28,000	<2	<2	<2
PZ-5	05/13/11	Blaine Tech	2,000	-----	710	4.7	25	26	<5	140	34,000	<5	<5	<5
PZ-5	06/22/11	Blaine Tech	4,500	-----	960	9.0	30	80	<10	100	33,000	<10	<10	<10
PZ-5	07/12/11	CH2M Hill	3,300	-----	1,500	16	50	77	<20	110	34,000	<20	<20	<20
PZ-5	08/19/11	CH2M Hill	2,600	-----	750	9.0	63	45	<10	150	47,000	<10	<10	<10
PZ-5	09/22/11	CH2M Hill	4,700	-----	1,600	33	100	200	<20	200	64,000	<20	<20	<20
PZ-5	10/14/11	CH2M Hill	4,600	-----	1,500	31	130	190	<10	170	58,000	<10	<10	<10

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
PZ-5	11/28/11	CH2M Hill	4,600	-----	1,700	18	150	140	<20	220	61,000	<20	<20	<20
PZ-5	12/21/11	CH2M Hill	5,900	-----	2,200	57	160	390	<20	190	61,000	<20	<20	<20
PZ-5	01/10/12	CH2M Hill	5,400	-----	2,000	44	140	330	<20	200	38,000	<20	<20	<20
PZ-5	02/23/12	CH2M HILL	8,400	-----	3,300	86	280	760	<40	370	29,000	<40	<40	<40
PZ-5	03/28/12	CH2M HILL	4,100	270	1,800	20	100	170	<20	150	29,000	<20	<20	<20
PZ-5	04/19/12	CH2M Hill	2,900	260	1,300	<10	97	20	<20	140	58,000	<20	<20	<20
PZ-5	05/25/12	CH2M HILL	7,500	340	3,700	42	210	250	<30	240	68,000	<30	<30	<30
PZ-5	06/15/12	CH2M HILL	8400 J	440	4,500	60	190	320	<100	500	75,000	<100	<100	<100
PZ-5	07/10/12	CHHL	7,600	360	3,400	31	150	200	<20	700	66,000	<20	<20	<20
PZ-5	08/29/12	CHHL	4,500	900	2,300	17	110	66	<20	1,000	140,000	<20	<20	<20
PZ-5	09/26/12	CHHL	6,200	390	2,000	25	160	110	<20	1,500	67,000	<20	<20	<20
PZ-5	10/18/12	CHHL	9,900	520	3,300	55	200	180	<80	5,600	83,000	<80	<80	<80
PZ-5	11/29/12	CHHL	8,300	420	3,000	35	200	69	<40	3,200	97,000	<40	<40	<40
PZ-5	12/26/12	CHHL	5,200	480	2,600	18	160	55	<5	3,300	130,000	<5	<5	<5
PZ-5	01/15/13	CHHL	9,400	1,400	3,900	41	200	100	<50	4,800	100,000	<50	<50	<50
PZ-5	02/20/13	CHHL	12,000	1,400	5,400	67	310	310	<100	8,600	110,000	<100	<100	<100
PZ-5	04/11/13	CHHL	10,000	2,300	4,100	37	300	140	<40	4,800	83,000	<40	<40	<40
PZ-5	10/11/13	CHHL	49,000	6,200	11,000	<100	590	250	<200	32,000	210,000	<200	<200	<200
PZ-5	04/16/14	CHHL	250,000	3,700	70,000	<200	5,800	200	<400	150,000	2,800,000	<400	<400	<400
PZ-5	10/30/14	BT for CH2MHill	16,000	6,500	5,600	<50	410	<0.50	<100	440	110,000	<100	<100	<100
PZ-5	10/30/14	BT for CH2MHill	16,000	4,000	5,600	<50	420	<0.50	<100	440	110,000	<100	<100	<100
PZ-5	04/23/15	BT for CH2MHill	3,100	2,100	1,100	<5.0	120	18	<10	150	64,000	<10	<10	<10
PZ-5	04/23/15	BT for CH2MHill	2,700	2,100	940	<2.5	99	23	<5.0	140	63,000	<5.0	<5.0	<5.0
PZ-5	10/26/15	BT for CH2MHill	1,200	1,100	<1.0	<1.0	<1.0	<1.0	<2.0	29	46,000	<2.0	<2.0	<2.0
PZ-5	10/26/15	BT for CH2MHill	1,200	1,000	<1.0	<1.0	<1.0	<1.0	<2.0	31	39,000	<2.0	<2.0	<2.0
PZ 5	04/14/16	BT for CH2MHill	860	400	<0.50	<0.50	<0.50	<0.50	<0.50	7.6	72,000	<1.0	<1.0	<1.0
DUP-3 (PZ 5)	04/14/16	BT for CH2MHill	810	830	<0.50	<0.50	<0.50	<0.50	<0.50	7.6	66,000	<1.0	<1.0	<1.0
PZ-5	10/06/16	BT for CH2MHill	1,200	970	<1.0	<1.0	<1.0	1.4	<2.0	7.2	110,000	<2.0	2.7	<2.0
DUP-5 (PZ-5)	10/06/16	BT for CH2MHill	950	1,100	<1.0	<1.0	<1.0	0.86	<2.0	6.5	130,000	<2.0	2.5	<2.0
PZ-5	04/31/17	BT for CH2MHill	16,000	840	5,800	450	910	1,900	<40	770	47,000	<40	<40	44
PZ-5	10/05/17	BT for CH2MHill	910	270	1.7	<1.0	20	1.6	<2.0	23	30,000	<2.0	<2.0	<2.0
DUP-5 (PZ-5)	10/05/17	BT for CH2MHill	760	270	1.7	<1.0	19	1.9	<2.0	21	25,000	<2.0	<2.0	<2.0
PZ-5	04/19/18	BT for Jacobs	550	420	<0.50	<0.50	<0.50	<0.50	<1	3.6	97,000	<1	<1	<1
DUP (PZ-5)	04/19/18	BT for Jacobs	500	400	<0.50	<0.50	<0.50	<0.50	<1	3.6	91,000	<1	<1	<1
PZ-5	11/09/18	BT for Jacobs	3,100	470	<1.5	<1.5	<1.5	<1.5	<3.0	2.2	56,000	<3.0	<3.0	<3.0
DUP-5 (PZ-5)	11/09/18	BT for Jacobs	2,800	470	<1.5	<1.5	<1.5	<1.5	<3.0	2.1	67,000	<3.0	<3.0	<3.0
PZ-5	04/18/19	BT for Jacobs	1,700	520	66	<1	<1	3.3 J	<2	6.2	150,000	<2	3.7	<2
DUPE (PZ-5)	04/18/19	BT for Jacobs	1,600	520	51	<1	<1	2.2 J	<2	6	150,000	<2	3.8	<2
PZ-5	10/31/19	BT for Jacobs	1,200	420	<0.50	<0.50	<0.50	<0.50	<1.0	3.4	47,000	<1.0	2.5	<1.0
DUP-5 (PZ-5)	10/31/19	BT for Jacobs	1,200	190	0.52	<0.50	<0.50	<0.50	<1.0	3.3	54,000	<1.0	2.3	<1.0
PZ-6	11/30/00	Secor	<300	-----	<0.50	0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
PZ-6	05/08/01	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
PZ-6	07/08/03	Geomatrix	-----	-----	<0.50	<1	<1	<1	<0.50	<1	-----	-----	-----	-----
PZ-6	04/27/04	Geomatrix	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
PZ-6	07/08/04	Geomatrix	<50	-----	<0.50	<0.50	<0.50	<0.50	0.50	<0.50	-----	-----	-----	-----
PZ-7A	06/13/03	Secor	340	-----	<0.50	<0.50	<0.50	<0.50	<1	660	-----	-----	-----	-----
PZ-7A	09/24/03	Secor	160	-----	<0.50	<0.50	<0.50	<0.50	<0.50	390	-----	-----	-----	-----
PZ-7A	10/10/03	Geomatrix	240	-----	<0.50	<0.50	<0.50	<0.50	<0.50	340	-----	-----	-----	-----
PZ-7A	08/02/05	Secor	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	4.8	-----	-----	-----	-----
PZ-7B	06/13/03	Secor	98	-----	<0.50	<0.50	<0.50	<0.50	0.51	51	-----	-----	-----	-----
PZ-7B	09/24/03	Secor	61	-----	<0.50	<0.50	<0.50	<0.50	<0.50	67	-----	-----	-----	-----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
PZ-7B	10/10/03	Geomatrix	90	----	<0.50	<0.50	<0.50	<0.50	<0.50	2.3	----	----	----	----
PZ-7B	08/02/05	Secor	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
PZ-8A	06/13/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	12	----	----	----	----
PZ-8A	09/24/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	1.7	----	----	----	----
PZ-8A	10/10/03	Geomatrix	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	2.8	----	----	----	----
PZ-8A	08/02/05	Secor	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
PZ-8A	12/06/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
PZ-8B	06/13/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	31	----	----	----	----
PZ-8B	09/24/03	Secor	86	----	<0.50	<0.50	<0.50	<0.50	<0.50	180	----	----	----	----
PZ-8B	10/10/03	Geomatrix	310	----	<0.50	<0.50	<0.50	<0.50	<1	440	----	----	----	----
PZ-8B	08/02/05	Secor	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
PZ-8B	12/06/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
PZ-9A	06/13/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
PZ-9A	09/24/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
PZ-9A	10/10/03	Geomatrix	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
PZ-9A	08/02/05	Secor	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
PZ-9B	06/13/03	Secor	75	----	<0.50	<0.50	<0.50	<0.50	<0.50	50	----	----	----	----
PZ-9B	09/24/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	7.9	----	----	----	----
PZ-9B	10/10/03	Geomatrix	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	3.9	----	----	----	----
PZ-9B	08/02/05	Secor	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	----	----	----	----
PZ-10	08/01/03	Secor	6,300	----	710	130	150	890	<10	47	----	----	----	----
PZ-10	10/07/03	Secor	6,200	----	1,000	21	230	600	<10	55	----	----	----	----
PZ-10	01/27/04	Secor	3,100	----	560	5.4	63	201	<5	28	----	----	----	----
PZ-10	04/22/04	Secor	11,000	----	2,100	29	470	1,490	<20	110	----	----	----	----
PZ-10	07/19/04	Secor	4,800	----	890	<5	210	278	<10	45	----	----	----	----
PZ-10	11/03/04	Secor	4,600	----	920	9.1	280	580	<10	50	----	----	----	----
PZ-10	02/03/05	Secor	1,000	----	250	1.4	34	108	<2	42	----	----	----	----
PZ-10	05/04/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
PZ-10	08/01/05	Secor	<50	----	0.71	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
PZ-10	11/02/05	Secor	<100	----	<0.50	<0.50	<0.50	<0.50	<1	<0.50	----	----	----	----
PZ-10	02/27/06	Secor	<200	----	<1	<1	<1	<1	<2	6.1	----	----	----	----
PZ-10	05/09/06	Secor	<1000	----	5.1	<5	<5	<5	<10	36	----	----	----	----
PZ-10	09/20/06	Secor	<200	----	<1	<1	<1	<1	<2	3.6	----	----	----	----
PZ-10	12/06/06	Secor	<500	----	<2.5	<2.5	<2.5	<2.5	<5	5.5	----	----	----	----
PZ-10	03/13/07	Secor	<500	----	<2.5	<2.5	<2.5	<2.5	<5	<2.5	----	----	----	----
PZ-10	05/03/07	Secor	<1000	----	6.1	<5	<5	<5	<10	<5	----	----	----	----
PZ-10	08/30/07	Secor	<200	----	<1	<1	<1	<1	<2	<1	----	----	----	----
PZ-10	11/14/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
PZ-10	02/21/08	Secor	<200	----	65	<1	3.1	9.4	<2	<1	----	----	----	----
PZ-10	04/16/08	Secor	950	----	360	5.0	20	85	<5	11	----	----	----	----
PZ-10	10/16/08	Stantec	<200	----	18	<1	<1	<1	<2	1.7	----	----	----	----
PZ-10	04/20/09	Blaine Tech for AMEC	560	----	26	<1	3.2	<1	<2	12	38	5.2	<2	<2
PZ-10	07/21/09	Blaine Tech	<200	----	1.4	<1	<1	<1	<2	9.6	55	3.1	<2	<2
PZ-10	10/22/09	Blaine Tech	<200	----	<1	<1	<1	<1	<2	4.4	30	<2	<2	<2
PZ-10	05/27/10	Blaine Tech	<100	----	0.92	<0.50	<0.50	<0.50	<1	1.4	<10	<1	<1	<1
PZ-10	10/07/10	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<1	<0.50	<10	<1	<1	<1
PZ-10	04/13/11	Blaine Tech	<200	----	2.8	<1	<1	<1	<2	<1	<20	2.2	<2	<2
PZ-10	04/19/12	CH2M Hill	<200	570	4.9	<1	<1	<1	<2	<1	39	3.4	<2	<2
PZ-10	10/17/12	CHHL	<500	970	32	<2.5	<2.5	<2.5	<5	<2.5	<50	6.4	<5	<5
PZ-10	10/26/15	BT for CH2MHill	340	1,200 HD	<1.5	<1.5	<1.5	6.2	<3.0	<1.5	140	<3.0	<3.0	<3.0
PZ-10	04/14/16	BT for CH2MHill	<200	240	<1	<1	<1	<1	<2	<1	<20	<2.0	<2.0	<2.0
RTF-18-N	04/24/17	SGI	25,000	5,200	1,700	6.7	800	2,500	<5	<10	<100	<20	<20	<20

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017

Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
RTF-18-NNW	04/24/17	SGI	30,000	6,900	5,000	16	1,500	5,200	<5	<10	<100	<20	<20	<20
TF-8	09/18/03	BT for Parsons	----	----	1.2	<0.50	0.77	2.7	<0.50	24	----	----	----	----
TF-8	02/21/04	BT for Parsons	----	----	3.2	<0.50	<0.50	1.4	----	46	----	----	----	----
TF-8	10/10/13	Parsons	<100	490 HD	<0.50	<0.50	<0.50	<0.50	<0.50	0.53	<10	<2	<2	<2
TF-8	04/18/14	Parsons	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	SGI	<100	1,000	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
TF-8	04/29/15	SGI	<100	1,100	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<10	<2.0	<2.0	<2.0
TF-8	10/23/15	SGI	<100	830	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
TF-8	10/23/15	SGI	<100	930	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
TF-8	04/12/16	SGI	<100	1,000	0.52	<0.50	1.2	4.1	<0.50	1.7	<10	<2.0	<2.0	<2.0
DUP-3 (TF-8)	04/12/16	SGI	<100	640	<0.50	<0.50	1.2	3.9	<0.50	1.3	<10	<2.0	<2.0	<2.0
TF-8	10/10/16	SGI	<100	770	<0.50	<0.50	<0.50	<1.5	<0.50	1.2	<10	<2.0	<2.0	<2.0
DUP-7 (TF-8)	10/10/16	SGI	<100	800	<0.50	<0.50	<0.50	<1.5	<0.50	1.3	<10	<2.0	<2.0	<2.0
TF-8	04/20/17	SGI	<100	100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
TF-8	10/05/17	SGI	<100	640	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
TF-8	04/19/18	SGI	<100	780	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
TF-8	11/08/18	SGI	<100	190	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
TF-8	04/17/19	SGI	<100	300	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
TF-8	11/05/19	SGI	<100	330	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
TF-9	10/10/13	Parsons	960 HD	2,200 HD	2.1	0.27 J	0.80	0.30	<0.50	<0.50	32	<2.0	<2.0	<2.0
TF-9	04/18/14	Parsons	3,400 HD	2,900 HD	3.6	0.27 J	3.1	8.1	<0.50	<0.50	25	<2.0	<2.0	<2.0
TF-9	10/31/14	SGI	1,100	1,300	6.0	<0.50	0.84	0.69	<0.50	<2.0	22	<2.0	<2.0	<2.0
TF-9R	10/05/17	SGI	1,500	1,500	36	<0.50	6.5	0.51	<0.50	<1.0	<10	<2.0	<2.0	<2.0
DUPE-6 (TF-9R)	10/05/17	SGI	1,500	1,700	34	<1.0	5.9	<3.0	<1.0	<2.0	<50	<4.0	<4.0	<4.0
TF-9R	04/20/18	SGI	750	1,700 J	34	<2.5	3.4	<7.5	<2.5	<5.0	<50	<10	<10	<10
DUP-5 (TF-9R)	04/20/18	SGI	720	1,100 J	34	<2.5	3.4	<7.5	<2.5	<5.0	<50	<10	<10	<10
TF-9R	11/12/18	SGI	1,500	2,400	26	<2.0	7.1	<6.0	<2.0	<4.0	<40	<8.0	<8.0	<8.0
TF-9R	04/19/19	SGI	<100	120	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
TF-9R	10/31/19	SGI	<100	100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
TF-14	09/18/03	BT for Parsons	----	----	210	<2.5	62	89	<2.5	<2.5	----	----	----	----
TF-14	02/21/04	BT for Parsons	----	----	370	<1	130	126	----	1.2	----	----	----	----
TF-16	04/14/03	GTI	----	----	24	5.0	15	17	----	9.5	----	----	----	----
TF-16	09/18/03	BT for Parsons	----	----	280	8.3	24	211	<0.50	9.1	----	----	----	----
TF-16	10/11/03	BT for Parsons	----	----	150	7.0	27	91	----	<25	----	----	----	----
TF-16	02/21/04	BT for Parsons	----	----	120	2.4	23	89	----	5.6	----	----	----	----
TF-16	04/21/04	BT for Parsons	----	----	200	30	40	320	----	4.6	----	----	----	----
TF-16	11/04/04	BT for Parsons	----	----	180	4.0	20	320	----	<10	----	----	----	----
TF-16	05/06/05	BT for Parsons	----	----	43	10	4.6	73	----	<25	----	----	----	----
TF-16	11/08/05	BT for Parsons	----	----	25	0.86	3.4	20	----	8.5	----	----	----	----
TF-16	05/04/06	BT for Parsons	----	----	52	0.89	10	49	----	<5	----	----	----	----
TF-16	12/08/06	BT for Parsons	----	----	28	<0.50	1.5	3.0	----	<5	----	----	----	----
TF-16	05/04/07	BT for Parsons	----	----	520	<2.5	5.4	10	----	<25	----	----	----	----
TF-16	11/15/07	BT for Parsons	----	----	450	<0.50	<0.50	<1	----	9.3	----	----	----	----
TF-16	04/17/08	BT for Parsons	----	----	570	1.3	3.2	4.1	----	<10	----	----	----	----
TF-16	10/16/08	BT for Parsons	----	----	330	<2.5	<2.5	<2.5	<2.5	6.3	<50	<10	<10	<10
TF-16	04/24/09	BT for Parsons	----	----	24	<0.50	<0.50	<0.50	<0.50	4.1	11	<2	<2	<2
TF-16	10/26/09	BT for Parsons	----	----	7.6	<0.50	0.34 J	<0.50	<0.50	3.9	11	<2	<2	0.35 J
TF-16	04/15/10	BT for Parsons	----	----	10	<0.50	0.38 J	<0.50	----	3.5	8.2 J	<2	<2	0.42 J
TF-16	04/15/11	BT for Parsons	----	----	----	----	----	----	----	----	----	----	----	----
TF-16	04/22/11	BT for Parsons	----	----	40	<0.50	1.1	0.80	<0.50	3.4	11	<2	<2	0.39 J
TF-16	04/19/12	Parsons	2,100	----	10	<0.50	0.83	0.67 J	<0.50	3.4	17	<2	<2	0.67 J
TF-16	04/11/13	Parsons	1,200 b	2,500 b	180	<0.50	1.5	1.08 J	<0.50	4.8	6 J	<2	<2	<2

**APPENDIX D
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Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
TF-16	10/08/13	Parsons	860 HD	2,300 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	Parsons	6,000 HD	7,600 HD	740	3.0	31	110	<0.50	4.6	8.2 J	<2	<2	0.98 J
TF-17	10/09/13	Parsons	18,000 HD	32,000 HD	33	<2.5	<2.5	<2.5	<2.5	<2.5	<50	<10	<10	<10
TF-17	04/17/14	Parsons	8,900 HD	14,000 HD	13	<2.5	<2.5	<2.5	<2.5	2.7	<50	<10	<10	<10
TF-17	11/03/14	SGI	2,900	7,100	68	2.3	48	228	<0.50	2.8	<10	<2.0	<2.0	<2.0
TF-18	04/24/17	SGI	54,000	7,300	320	<5	340	530	<5.0	<10	<100	<20	<20	<20
TF-18	11/07/19	SGI	5,600	9,300	33	<5.0	88	34	<5.0	<12	<100	<20	<20	<20
DUP-7 (TF-18)	11/07/19	SGI	6,300	8,300	30	<1.0	61	26.2	<1.0	<2.4	71	<4.0	<4.0	<4.0
TF-19	11/06/18	SGI	710	1,500	<0.50	<0.50	0.54	1.0	<0.50	<1.0	<10	<2.0	<2.0	<2.0
TF-20R	10/10/17	SGI	1,300	660	490	<5.0	<5.0	<15	<5.0	<10	<100	<20	<20	<20
TF-20R	04/24/18	SGI	900	540	290	<5.0	<5.0	<15	<5.0	<10	<100	<20	<20	<20
DUP-7 (TF-20R)	04/24/18	SGI	850	550	290	<5.0	<5.0	<15	<5.0	<10	<100	<20	<20	<20
TF-20R	11/15/18	SGI	700	620	130	<5.0	<5.0	<15	<5.0	<10	<100	<20	<20	<20
TF-20R	04/22/19	SGI	540	440	74	<0.50	<0.50	1.1	<0.50	<1.0	<10	<2.0	<2.0	<2.0
TF-20R	11/06/19	SGI	810	640	29	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
TF-21	04/10/03	GTI	-----	-----	267	1.6	8.1	9.8	-----	<3	-----	-----	-----	-----
TF-21	09/18/03	BT for Parsons	-----	-----	560	<5	5.6	<5	<5	<5	-----	-----	-----	-----
TF-21	10/08/03	BT for Parsons	-----	-----	390	<0.60	4.2	<0.60	<10	<10	-----	-----	-----	-----
TF-21	02/21/04	BT for Parsons	-----	-----	820	<2.5	<2.5	<2.5	-----	3.6	-----	-----	-----	-----
TF-21	04/21/04	BT for Parsons	-----	-----	550	<1	1.6	<1	-----	2.7	-----	-----	-----	-----
TF-21	11/04/04	BT for Parsons	-----	-----	10	<0.30	<0.30	1.2	-----	<5	-----	-----	-----	-----
TF-21	05/05/05	BT for Parsons	-----	-----	190	13	45	310	-----	<100	-----	-----	-----	-----
TF-21	11/05/05	BT for Parsons	-----	-----	140	0.61	3.7	39	-----	6.1	-----	-----	-----	-----
TF-21	05/03/06	BT for Parsons	-----	-----	140	4.3	3.9	10	-----	5.1	-----	-----	-----	-----
TF-21	12/06/06	BT for Parsons	-----	-----	44	<0.50	<0.50	5.0	-----	<5	-----	-----	-----	-----
TF-21	05/04/07	BT for Parsons	-----	-----	80	0.93	0.86	2.2	-----	7.2	-----	-----	-----	-----
TF-21	11/16/07	BT for Parsons	-----	-----	170	<0.50	<0.50	<1	-----	<5	-----	-----	-----	-----
TF-21	04/17/08	BT for Parsons	-----	-----	190	<0.50	4.4	2.4	-----	<5	-----	-----	-----	-----
TF-21	10/15/08	BT for Parsons	-----	-----	37	<0.50	<0.50	<0.50	<0.50	1.0	23	<2	<2	<2
TF-21	04/24/09	BT for Parsons	-----	-----	40	<0.50	<0.50	<0.50	<0.50	<0.50	18	<2	<2	<2
TF-21	10/26/09	BT for Parsons	-----	-----	50	<0.50	0.46 J	<0.50	<0.50	0.74	19	<2	<2	<2
TF-21	04/16/10	BT for Parsons	-----	-----	120	0.37 J	1.1	1.2	---	<0.50	15	<2	<2	<2
TF-21	04/15/11	BT for Parsons	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
TF-21	04/22/11	BT for Parsons	-----	-----	160	<0.50	1.4	3.1	<0.50	0.71	20	<2	<2	<2
TF-21	04/20/12	Parsons	1,600	-----	280	0.27 J	1.7	0.88 J	<0.50	0.99	24	<2	<2	<2
TF-21	04/12/13	Parsons	590 b	2,700	130	<0.50	0.50	0.24 J	<0.50	4.1	13	<2	<2	<2
TF-21	10/08/13	Parsons	810 HD	2,200 HD	320	<0.50	0.59	0.24	<0.50	7.2	17	<2	<2	<2
TF-21	04/17/14	Parsons	1,100 HD	2,000 HD	190	0.26 J	0.83	0.48	<0.50	16	20	<2	<2	<2
TF-21	10/30/14	SGI	1,500	1,700	120	<0.50	1.2	0.54	<0.50	2.2	<10	<2.0	<2.0	<2.0
TF-21	04/29/15	SGI	570	1,700	16	<1.0	<1.0	<2.0	<1.0	<4.0	<20	<4.0	<4.0	<4.0
TF-21	10/11/16	SGI	1,300	7,800	8.5	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
TF-21	04/21/17	SGI	420	1,400	10	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
TF-21	10/09/17	SGI	350	1,700	4.3	<0.50	<0.50	<1.5	<0.50	<1.0	18	<2.0	<2.0	<2.0
TF-21	04/23/18	SGI	180	960	13	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
TF-21	11/12/18	SGI	370	1,400	5.8	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
TF-21	04/22/19	SGI	150	710	1.5	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
TF-21	10/30/19	SGI	110	310	2.1	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
TF-23	04/24/17	SGI	410	2,900	2.2	0.62	0.90	2.4	<0.50	1.5	94	<2.0	<2.0	<2.0
TF-23	04/22/19	SGI	560	4,600	<0.50	<0.50	<0.50	<1.5	<0.50	1.0	92	<2.0	<2.0	<2.0
TF-24	10/10/13	Parsons	<100	1,500 HD	<0.50	<0.50	<0.50	<0.50	<0.50	0.4 J	<10	<2	<2	<2
TF-24	04/18/14	Parsons	<100	730 HD	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
TF-24	10/29/14	SGI	<100	1,900	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
TF-24	04/29/15	SGI	<100	1,900	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
TF-24	10/11/16	SGI	<100	1,100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
TF-24	04/21/17	SGI	<100	1,700	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
TF-24	10/05/17	SGI	<100	2,500	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
TF-24	04/20/18	SGI	<100	2,900 J	1.7	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
TF-24	11/12/18	SGI	<100	2,800	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
TF-24	04/19/19	SGI	<100	2,800	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
TF-24	11/06/19	SGI	<100	2,600	<0.50	<0.50	<0.50	<1.5	<0.50	<1.2	<10	<2.0	<2.0	<2.0
WCW-1	11/25/96	GSI	<500	<500	<0.50	<0.50	<0.50	<1.5	0.60	<5	----	----	----	----
WCW-1	07/15/97	Terra Services	<100	<500	<0.50	<0.50	<0.50	<1	<0.50	<5	----	----	----	----
WCW-1	01/05/98	GTI	<500	<100	<0.50	<0.50	<0.50	<1	<0.50	<0.50	----	----	----	----
WCW-1	05/23/98	Terra Services	<300	----	<0.50	<0.50	<0.50	<1	<0.50	<0.50	----	----	----	----
WCW-1	08/25/98	Geomatrix	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-1	11/04/98	GTI	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-1	02/02/99	Alton Geoscience	<500	<500	<0.50	<0.50	<0.50	<1	<1	<0.50	----	----	----	----
WCW-1	05/06/99	Alton Geoscience	<500	<500	2.1	9.8	0.80	4.4	<1	<0.50	----	----	----	----
WCW-1	08/10/99	Alton Geoscience	<500	<1,000	<0.50	<1	<1	<1	<0.50	<1	----	----	----	----
WCW-1	11/18/99	IT Corporation	<300	----	<0.50	<1	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-1	02/28/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-1	05/19/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-1	08/28/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	0.50	<0.50	----	----	----	----
WCW-1	11/30/00	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-1	02/05/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-1	05/10/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-1	09/18/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-1	11/08/01	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-1	01/30/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-1	04/11/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-1	10/24/02	GTI	<300	----	<0.50	<1	<1	<1	<0.50	<1	----	----	----	----
WCW-1	10/11/03	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	1.5	----	----	----	----
WCW-1	05/06/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-1	05/03/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-1	11/13/07	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-1	04/18/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-1	04/21/09	Blaine Tech for AMEC	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-1	05/25/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-1	04/11/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-1	04/17/12	CH2M Hill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-2	11/25/96	GSI	<50	<500	<0.50	<0.50	<0.50	<1.5	<1.7	<5	----	----	----	----
WCW-2	07/08/97	Terra Services	<100	<500	<0.50	3.5	1.4	7.4	0.57	<5	----	----	----	----
WCW-2	01/05/98	GTI	<500	<100	<0.50	<0.50	<0.50	<1	1.0	<0.50	----	----	----	----
WCW-2	05/19/98	Terra Services	<300	----	<0.50	<0.50	<0.50	<1	<0.50	<0.50	----	----	----	----
WCW-2	08/25/98	Geomatrix	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-2	11/04/98	GTI	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-2	02/02/99	Alton Geoscience	<500	<500	<0.50	<0.50	<0.50	<1	<1	<0.50	----	----	----	----
WCW-2	05/06/99	Alton Geoscience	<500	<500	<0.50	0.80	<0.50	<0.50	<1	<0.50	----	----	----	----
WCW-2	08/10/99	Alton Geoscience	<500	<1,000	<0.50	<1	<1	<1	<0.50	<1	----	----	----	----
WCW-2	11/17/99	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-2	02/28/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	2.0	<0.50	----	----	----	----
WCW-2	05/18/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-2	08/28/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	0.60	<0.50	----	----	----	----
WCW-2	11/30/00	IT Corporation	<300	----	0.60	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017

Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
WCW-2	02/05/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-2	05/09/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-2	09/18/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-2	11/08/01	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-2	01/30/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-2	04/09/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-2	10/24/02	GTI	<300	----	<0.50	<1	<1	<1	<0.50	<1	----	----	----	----
WCW-2	04/10/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-2	10/11/03	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-2	04/21/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-2	11/03/04	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-2	05/05/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-2	11/05/05	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-2	05/05/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-2	12/05/06	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-2	05/01/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-2	11/13/07	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-2	04/18/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-2	10/17/08	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-2	04/21/09	Blaine Tech for AMEC	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-2	10/26/09	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-2	05/24/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-2	10/07/10	Blaine Tech	<100	----	<0.50	----	----	----	<0.50	<0.50	<10	----	----	----
WCW-2	04/11/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-2	10/13/11	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-2	04/17/12	CH2M Hill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-2	10/18/12	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-2	04/09/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-2	10/08/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-2	04/15/14	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-2	10/28/14	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-2	04/22/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-2	10/21/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-2	04/12/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-2	10/04/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-2	04/18/17	BT for CH2MHill	<50	230	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-2	10/03/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-2	04/17/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-2	11/07/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-2	04/17/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-2	10/30/19	BT for Jacobs	<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	GSI	120	<500	<0.70	<0.50	<0.50	<1.5	190	<5	----	----	----	----
WCW-3	07/15/97	Terra Services	100	<500	<0.50	<0.50	<0.50	<1	190	<5	----	----	----	----
WCW-3	01/05/98	GTI	<500	200	<0.50	<0.50	<0.50	<1	220	<0.50	----	----	----	----
WCW-3	05/23/98	Terra Services	<300	----	<0.50	<0.50	<0.50	<1	201	<0.50	----	----	----	----
WCW-3	08/26/98	Geomatrix	<300	----	<2.5	<2.5	<2.5	<2.5	200	<2.5	----	----	----	----
WCW-3	11/03/98	GTI	<300	----	<0.50	<0.50	<0.50	<0.50	190	<0.50	----	----	----	----
WCW-3	02/03/99	Alton Geoscience	<1000	<500	<1	<1	<1	<2	200	<1	----	----	----	----
WCW-3	05/06/99	Alton Geoscience	<500	<500	<0.50	1.3	<0.50	<0.50	<1	1.1	----	----	----	----
WCW-3	08/10/99	Alton Geoscience	<500	<1,000	<0.50	<1	<1	<1	130	1.8	----	----	----	----
WCW-3	11/17/99	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	100	3.3	----	----	----	----
WCW-3	02/28/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	100	<0.50	----	----	----	----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
WCW-3	05/18/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	92	1.0	----	----	----	----
WCW-3	08/28/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	90	0.70	----	----	----	----
WCW-3	11/30/00	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	68	<0.50	----	----	----	----
WCW-3	02/05/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	81	<0.50	----	----	----	----
WCW-3	05/09/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	63	<0.50	----	----	----	----
WCW-3	09/19/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	69	<0.50	----	----	----	----
WCW-3	11/08/01	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	51	<0.50	----	----	----	----
WCW-3	01/30/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	34	<0.50	----	----	----	----
WCW-3	04/09/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	29	<0.50	----	----	----	----
WCW-3	07/30/02	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	47	0.55	----	----	----	----
WCW-3	10/24/02	GTI	<300	----	<0.50	<1	<1	<1	39	<1	----	----	----	----
WCW-3	01/28/03	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	44	<0.50	----	----	----	----
WCW-3	04/10/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	34	<0.50	----	----	----	----
WCW-3	07/30/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	23	<0.50	----	----	----	----
WCW-3	10/11/03	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	22	<0.50	----	----	----	----
WCW-3	01/28/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	43	<0.50	----	----	----	----
WCW-3	05/10/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	33	<0.50	----	----	----	----
WCW-3	07/20/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	46	<0.50	----	----	----	----
WCW-3	11/03/04	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	33	<0.50	<10	<2	<2	<2
WCW-3	02/03/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	39	<0.50	----	----	----	----
WCW-3	05/05/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	31	<0.50	----	----	----	----
WCW-3	08/02/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	26	<0.50	----	----	----	----
WCW-3	11/05/05	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	19	<0.50	<10	<2	<2	<2
WCW-3	02/28/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	8.8	<0.50	----	----	----	----
WCW-3	05/05/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	10	<0.50	----	----	----	----
WCW-3	09/20/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	16	<0.50	----	----	----	----
WCW-3	12/05/06	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	6.6	<0.50	<10	<2	<2	<2
WCW-3	03/13/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-3	05/01/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-3	08/28/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-3	11/13/07	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-3	02/21/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-3	04/18/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-3	08/13/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	3.6	<0.50	----	----	----	----
WCW-3	10/17/08	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	1.3	<0.50	<10	<2	<2	<2
WCW-3	02/23/09	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	----	----	----
WCW-3	04/21/09	Blaine Tech for AMEC	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-3	07/20/09	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	1.7	<0.50	<10	<1	<1	<1
WCW-3	10/26/09	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	4.0	<0.50	<10	0.44 J	<2	<2
WCW-3	03/15/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	3.5	<0.50	<10	<1	<1	<1
WCW-3	05/24/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	2.8	<0.50	<10	<1	<1	<1
WCW-3	07/12/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	4.4	<0.50	<10	<1	<1	<1
WCW-3	10/08/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	2.8	<0.50	<10	<1	<1	<1
WCW-3	01/11/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	3.3	<0.50	<10	<1	<1	<1
WCW-3	04/11/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	4.1	<0.50	<10	<1	<1	<1
WCW-3	07/12/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	4.5	<0.50	<10	<1	<1	<1
WCW-3	10/11/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	3.4	<0.50	<10	<1	<1	<1
WCW-3	01/09/12	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	2.3	<0.50	<10	<1	<1	<1
WCW-3	04/17/12	CH2M Hill	<50	<50	<0.50	<0.50	<0.50	<0.50	3.2	<0.50	<10	<1	<1	<1
WCW-3	07/09/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	2.2	<0.50	<10	<1	<1	<1
WCW-3	10/16/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	1.7	<0.50	<10	<1	<1	<1
WCW-3	01/14/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	1.2	<0.50	<10	<1	<1	<1

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
WCW-3	04/09/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	4.1	<0.50	<10	<1	<1	<1
WCW-3	10/09/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	1.1	<0.50	<10	<1	<1	<1
WCW-3	04/15/14	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	0.88	<0.50	<10	<1	<1	<1
WCW-3	10/28/14	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	0.84	<0.50	<10	<1.0	<1.0	<1.0
WCW-3	04/22/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-3	10/21/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-3	04/12/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-3	10/04/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	0.74	<0.50	<10	<1.0	<1.0	<1.0
WCW-3	04/18/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-3	10/03/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-3	04/17/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-3	11/07/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-3	04/17/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-3	10/30/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-4	11/22/96	GSI	<50	<50	<0.50	<0.50	<0.50	<1.5	<0.50	<5	----	----	----	----
WCW-4	07/08/97	Terra Services	<100	<500	0.50	0.78	<0.50	<1	<0.50	<5	----	----	----	----
WCW-4	01/05/98	GTI	<500	<100	<0.50	<0.50	<0.50	<1	<0.50	<0.50	----	----	----	----
WCW-4	05/19/98	Terra Services	<300	----	<0.50	<0.50	<0.50	<1	<0.50	<0.50	----	----	----	----
WCW-4	11/03/98	GTI	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-4	05/06/99	Alton Geoscience	<500	<500	2.1	7.7	0.62	3.4	<1	<0.50	----	----	----	----
WCW-4	11/17/99	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-4	05/18/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-4	11/30/00	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-4	05/09/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-4	11/08/01	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-4	04/09/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-4	10/24/02	GTI	<300	----	<0.50	<1	<1	<1	<0.50	<1	----	----	----	----
WCW-4	04/10/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-4	10/11/03	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-4	05/10/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-4	11/03/04	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-4	05/05/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-4	11/05/05	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-4	05/05/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-4	12/05/06	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-4	05/01/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-4	11/13/07	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.72	<10	<2	<2	<2
WCW-4	04/18/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.61	----	----	----	----
WCW-4	10/17/08	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.65	<10	<2	<2	<2
WCW-4	04/21/09	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.51	<10	<1	<1	<1
WCW-4	10/26/09	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.64	<10	<2	<2	<2
WCW-4	05/27/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-4	10/07/10	Blaine Tech	<100	----	<0.50	----	----	----	<0.50	0.89	<10	----	----	----
WCW-4	04/13/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.7	<10	<1	<1	<1
WCW-4	10/14/11	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.62	<10	<2	<2	<2
WCW-4	04/18/12	CH2M Hill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.59	<10	<1	<1	<1
WCW-4	10/18/12	Parsons	---	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.53	<10	<2	<2	<2
WCW-4	04/10/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-4	10/09/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-4	04/15/14	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-4	10/28/14	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-4	04/22/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0

APPENDIX D
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 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
WCW-4	10/21/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW 4	04/14/16	BT for CH2MHill	<50	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-4	10/04/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-4	04/18/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-4	10/03/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-4	04/17/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-4	11/06/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-4	04/17/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-4	10/30/19	BT for Jacobs	<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	GSI	<50	<500	<0.50	<0.50	<0.50	<1.5	<0.50	<5	----	----	----	----
WCW-5	07/08/97	Terra Services	<100	<500	<0.50	7.7	<0.50	1.4	<0.50	<5	----	----	----	----
WCW-5	01/05/98	GTI	<500	<100	<0.50	<0.50	<0.50	<1	0.7	<0.50	----	----	----	----
WCW-5	05/19/98	Terra Services	<300	----	<0.50	<0.50	<0.50	<1	<0.50	<0.50	----	----	----	----
WCW-5	11/04/98	GTI	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-5	05/05/99	Alton Geoscience	<500	<500	10	43	3.8	21	<1	<0.50	----	----	----	----
WCW-5	11/17/99	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-5	05/16/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-5	11/30/00	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-5	05/10/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-5	11/08/01	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-5	04/11/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-5	10/24/02	GTI	<300	----	<0.50	<1	<1	<1	<0.50	<1	----	----	----	----
WCW-5	04/10/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-5	10/11/03	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-5	05/10/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-5	11/03/04	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-5	05/06/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-5	11/05/05	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-5	05/05/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-5	12/05/06	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-5	05/01/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-5	11/13/07	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-5	04/18/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-5	10/17/08	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-5	04/21/09	Blaine Tech for AMEC	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-5	10/26/09	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-5	05/25/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-5	10/07/10	Blaine Tech	<100	----	<0.50	----	----	----	<0.50	<0.50	<10	----	----	----
WCW-5	04/11/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-5	10/14/11	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-5	04/17/12	CH2M Hill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-5	10/18/12	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-5	04/09/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-5	10/08/13	CHHL	<50	130	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-5	04/15/14	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-5	10/28/14	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-5	04/22/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-5	10/21/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW 5	04/13/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-5	10/05/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-5	04/19/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-5	10/03/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
WCW-5	04/17/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-5	11/06/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-5	04/17/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-5	10/31/19	BT for Jacobs	<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	GSI	230	<500	<0.50	<0.50	<0.50	<1.5	220	24	-----	-----	-----	-----
WCW-6	07/15/97	Terra Services	<100	<500	<0.50	<0.50	<0.50	<1	65	10	-----	-----	-----	-----
WCW-6	01/05/98	GTI	<500	<100	<0.50	<0.50	<0.50	<1	159	3.0	-----	-----	-----	-----
WCW-6	05/26/98	Terra Services	<300	-----	<0.50	<0.50	<0.50	<1	83	2.0	-----	-----	-----	-----
WCW-6	11/04/98	GTI	<300	-----	<0.50	<0.50	<0.50	<0.50	46	1.8	-----	-----	-----	-----
WCW-6	05/06/99	Alton Geoscience	<500	<500	<0.50	<0.50	<0.50	<0.50	53	0.68	-----	-----	-----	-----
WCW-6	11/17/99	IT Corporation	<300	-----	<0.50	<0.50	<0.50	<0.50	11	<0.50	-----	-----	-----	-----
WCW-6	05/16/00	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	16	0.70	-----	-----	-----	-----
WCW-6	11/30/00	IT Corporation	<300	-----	<0.50	<0.50	<0.50	<0.50	2.7	<0.50	-----	-----	-----	-----
WCW-6	05/09/01	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	5.7	<0.50	-----	-----	-----	-----
WCW-6	11/08/01	IT Corporation	<300	-----	<0.50	<0.50	<0.50	<0.50	2.7	<0.50	-----	-----	-----	-----
WCW-6	04/11/02	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	1.7	<0.50	-----	-----	-----	-----
WCW-6	10/24/02	GTI	<300	-----	<0.50	<1	<1	<1	<0.50	<1	-----	-----	-----	-----
WCW-6	04/10/03	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	1.4	<0.50	-----	-----	-----	-----
WCW-6	10/11/03	Blaine Tech	<100	-----	<0.50	<0.50	<0.50	<0.50	0.93	<0.50	-----	-----	-----	-----
WCW-6	05/10/04	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	0.64	<0.50	-----	-----	-----	-----
WCW-6	11/03/04	Blaine Tech	<100	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-6	05/05/05	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-6	11/05/05	Blaine Tech	<100	-----	<0.50	<0.50	<0.50	<0.50	1.1	<0.50	<10	<2	<2	<2
WCW-6	05/05/06	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-6	12/05/06	Blaine Tech	<100	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-6	05/02/07	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-6	11/13/07	Blaine Tech	<100	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-6	04/18/08	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-6	10/17/08	BT for Parsons	<100	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-6	04/21/09	BT for AMEC GMX	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-6	10/26/09	Blaine Tech	<100	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-6	05/24/10	Blaine Tech	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-6	10/07/10	BT for Parsons	<100	-----	<0.50	-----	-----	-----	<0.50	<0.50	<10	-----	-----	-----
WCW-6	04/11/11	Blaine Tech	<50	-----	<0.50	<0.50	<0.50	<0.50	0.69	<0.50	<10	<1	<1	<1
WCW-6	10/13/11	Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	0.28 J	<0.50	<10	<2	<2	<2
WCW-6	04/18/12	CH2M Hill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-6	10/18/12	Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-6	04/09/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-6	10/09/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-6	04/15/14	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-6	10/28/14	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-6	04/22/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-6	10/21/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-6	04/13/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-6	10/05/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-6	04/19/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-6	10/03/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-6	04/17/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-6	11/06/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-6	04/17/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	0.54	<0.50	23	<1	<1	<1
WCW-6	10/30/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	1.4	<0.50	<10	<1.0	<1.0	<1.0
WCW-7	11/22/96	GSI	<50	<500	<0.50	<0.50	<0.50	<1.5	31	<5	-----	-----	-----	-----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
WCW-7	07/15/97	Terra Services	<100	<500	<0.50	<0.50	<0.50	<1	<0.50	<5	----	----	----	----
WCW-7	01/05/98	GTI	<500	<100	<0.50	<0.50	<0.50	<1	30	<0.50	----	----	----	----
WCW-7	05/23/98	Terra Services	<300	----	<0.50	<0.50	<0.50	<1	30	<0.50	----	----	----	----
WCW-7	11/04/98	GTI	<300	----	<0.50	<0.50	<0.50	<0.50	35	<0.50	----	----	----	----
WCW-7	05/06/99	Alton Geoscience	<500	<500	<0.50	<0.50	<0.50	<0.50	45	<0.50	----	----	----	----
WCW-7	11/18/99	IT Corporation	<300	----	<0.50	<1	<0.50	0.60	62	1.3	----	----	----	----
WCW-7	05/16/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	120	6.4	----	----	----	----
WCW-7	11/30/00	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	83	6.0	----	----	----	----
WCW-7	02/05/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	95	6.1	----	----	----	----
WCW-7	05/10/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	91	9.3	----	----	----	----
WCW-7	09/18/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	140	12	----	----	----	----
WCW-7	11/08/01	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	91	11	----	----	----	----
WCW-7	01/30/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	84	8.8	----	----	----	----
WCW-7	04/11/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	66	8.4	----	----	----	----
WCW-7	07/30/02	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	74	8.6	----	----	----	----
WCW-7	10/24/02	GTI	<300	----	<0.50	<1	<1	<1	78	9.3	----	----	----	----
WCW-7	01/28/03	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	80	7.3	----	----	----	----
WCW-7	04/10/03	Secor	<100	----	<0.50	<0.50	<0.50	<0.50	69	6.8	----	----	----	----
WCW-7	07/30/03	Secor	<100	----	<0.50	<0.50	<0.50	<0.50	69	7.6	----	----	----	----
WCW-7	10/11/03	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	84	9.4	----	----	----	----
WCW-7	01/28/04	Secor	<100	----	<0.50	<0.50	<0.50	<0.50	100	10	----	----	----	----
WCW-7	05/10/04	Secor	<100	----	<0.50	<0.50	<0.50	<0.50	73	6.7	----	----	----	----
WCW-7	07/20/04	Secor	140	----	<0.50	<0.50	<0.50	<0.50	110	9.0	----	----	----	----
WCW-7	11/03/04	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	84	11	51	29	<2	<2
WCW-7	02/03/05	Secor	72	----	<0.50	<0.50	<0.50	<0.50	91	8.8	----	----	----	----
WCW-7	05/05/05	Secor	<100	----	<0.50	<0.50	<0.50	<0.50	83	6.9	----	----	----	----
WCW-7	08/03/05	Secor	53	----	<0.50	<0.50	<0.50	<0.50	49	14	----	----	----	----
WCW-7	11/05/05	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	14	6.7	<10	2.2	<2	<2
WCW-7	02/28/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	2.5	0.84	----	----	----	----
WCW-7	05/05/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	6.0	2.5	----	----	----	----
WCW-7	09/20/06	Secor	<100	----	<0.50	<0.50	<0.50	<0.50	33	7.2	----	----	----	----
WCW-7	12/05/06	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	36	8.0	<10	4.8	<2	<2
WCW-7	03/13/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	32	5.4	----	----	----	----
WCW-7	05/02/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	49	6.4	----	----	----	----
WCW-7	08/28/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	56	7.1	----	----	----	----
WCW-7	11/14/07	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	50	6.5	<10	9.2	<2	<2
WCW-7	02/21/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	43	5.9	----	----	----	----
WCW-7	04/18/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	54	5.9	----	----	----	----
WCW-7	08/13/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	55	5.3	----	----	----	----
WCW-7	10/17/08	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	45	5.4	<10	12	<2	<2
WCW-7	02/24/09	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	40	2.4	<10	----	----	----
WCW-7	04/22/09	BT for AMEC GMX	<50	----	<0.50	<0.50	<0.50	<0.50	40	2.8	<10	6.6	<1	<1
WCW-7	07/21/09	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	31	1.9	<10	5.6	<1	<1
WCW-7	10/26/09	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	40	1.8	<10	3.7	<2	<2
WCW-7	03/15/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	30	1.8	<10	4.0	<1	<1
WCW-7	05/27/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	23	1.2	<10	3.3	<1	<1
WCW-7	07/13/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	20	1.6	<10	3.4	<1	<1
WCW-7	10/07/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	26	1.7	<10	3.9	<1	<1
WCW-7	01/11/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	25	1.4	<10	3.3	<1	<1
WCW-7	04/13/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	23	1.4	<10	3.9	<1	<1
WCW-7	07/12/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	21	1.2	<10	2.6	<1	<1
WCW-7	10/12/11	CH2M Hill	<500	----	<0.50	<0.50	<0.50	<0.50	21	1.0	<10	2.2	<1	<1

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
WCW-7	01/09/12	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	16	1.1	<10	2.1	<1	<1
WCW-7	04/18/12	CH2M Hill	<50	<50	<0.50	<0.50	<0.50	<0.50	18	0.98	<10	2.2	<1	<1
WCW-7	07/10/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	16	0.84	<10	2.1	<1	<1
WCW-7	10/17/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	9.2	0.56	<10	1.5	<1	<1
WCW-7	01/14/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	18	1.2	<10	1.8	<1	<1
WCW-7	04/10/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	19	0.61	<10	1.3	<1	<1
WCW-7	10/09/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	11	0.60	<10	1.4	<1	<1
WCW-7	04/17/14	CHHL	61	64	<0.50	<0.50	<0.50	<0.50	7.4	0.73	<10	1.7	<1	<1
WCW-7	10/28/14	BT for CH2MHill	<100	<50	<0.50	<0.50	<0.50	<0.50	7.5	0.51	<10	1.2	<1.0	<1.0
WCW-7	04/23/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	5.6	<0.50	<10	1.1	<1.0	<1.0
WCW-7	10/21/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	6.2	0.74	<10	1.9	<1.0	<1.0
WCW 7	04/14/16	BT for CH2MHill	<100	<50	<0.50	<0.50	<0.50	<0.50	7.7	0.82	<10	2.2	<1.0	<1.0
WCW-7	10/05/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-7	10/06/17	BT for CH2MHill	<50	120	1.2	<0.50	<0.50	<0.50	4.8	<0.50	<10	1.2	<1.0	<1.0
WCW-7	04/17/18	BT for Jacobs	<50	86	<0.50	<0.50	<0.50	<0.50	5.2	<0.50	<10	<1	<1	<1
WCW-7	11/06/18	BT for Jacobs	<50	110	<0.50	<0.50	<0.50	<0.50	5.0	<0.50	<10	1.1	<1.0	<1.0
WCW-7	04/17/19	BT for Jacobs	<50	290	<0.50	<0.50	<0.50	<0.50	14	2.4	<10	5.6	<1	<1
WCW-7	10/31/19	BT for Jacobs	<50	120	<0.50	<0.50	<0.50	<0.50	4.2	0.57	<10	1.3	<1.0	<1.0
WCW-8	07/15/97	Terra Services	<100	1,700	<0.50	<0.50	<0.50	<1	<0.50	<5	----	----	----	----
WCW-8	01/05/98	GTI	<500	<100	<0.50	<0.50	<0.50	<1	<0.50	<0.50	----	----	----	----
WCW-8	05/26/98	Terra Services	<300	----	<0.50	<0.50	<0.50	<1	<0.50	<0.50	----	----	----	----
WCW-8	11/03/98	GTI	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-8	05/06/99	Alton Geoscience	<500	<500	<0.50	<0.50	<0.50	<0.50	<1	<0.50	----	----	----	----
WCW-8	11/18/99	IT Corporation	<300	----	<0.50	<1	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-8	05/16/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	1.8	120	----	----	----	----
WCW-8	08/28/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	0.70	<0.50	----	----	----	----
WCW-8	11/30/00	IT Corporation	<300	----	0.90	<0.50	<0.50	0.80	<0.50	<0.50	----	----	----	----
WCW-8	02/05/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-8	05/09/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-8	09/18/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-8	11/08/01	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-8	01/30/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-8	04/11/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-8	10/24/02	GTI	<300	----	<0.50	<1	<1	<1	<0.50	<1	----	----	----	----
WCW-8	04/10/03	Secor	61	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-8	10/11/03	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-8	05/10/04	Secor	55	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-8	11/03/04	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-8	05/05/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-8	11/05/05	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-8	05/05/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-8	12/05/06	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-8	05/02/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-8	11/14/07	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-8	04/18/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.60	----	----	----	----
WCW-8	10/17/08	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<10	<2	<2	<2
WCW-8	04/21/09	BT for AMEC GMX	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.59	<10	<1	<1	<1
WCW-8	10/26/09	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<10	<2	<2	<2
WCW-8	05/27/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-8	10/07/10	Blaine Tech	<100	----	<0.50	----	----	----	<0.50	0.90	3.7 J	----	----	----
WCW-8	04/13/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.96	<10	<1	<1	<1
WCW-8	10/14/11	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	0.92	<10	<2	<2	<2

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
WCW-8	04/19/12	CH2M Hill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.89	<10	<1	<1	<1
WCW-8	10/18/12	Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-8	04/11/13	CHHL	<100	<50	<0.50	<0.50	<0.50	<0.50	<1	<0.50	<10	<1	<1	<1
WCW-8	10/09/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-8	04/15/14	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-8	10/28/14	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-8	04/22/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-8	10/21/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-8	04/13/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-8	10/04/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-8	04/19/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-8	10/03/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-8	04/17/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-8	11/06/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-8	04/17/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-8	10/31/19	BT for Jacobs	<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	GSI	<50	<500	<0.50	<0.50	<0.50	<1.5	<0.50	<5	-----	-----	-----	-----
WCW-9	07/08/97	Terra Services	<100	<500	<0.50	1.1	<0.50	<0.50	1.1	<5	-----	-----	-----	-----
WCW-9	01/05/98	GTI	<500	<100	<0.50	<0.50	<0.50	<1	<0.50	<0.50	-----	-----	-----	-----
WCW-9	05/19/98	Terra Services	-----	-----	<0.50	<0.50	<0.50	<1	<0.50	<0.50	-----	-----	-----	-----
WCW-9	11/03/98	GTI	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-9	05/06/99	Alton Geoscience	<500	<500	<0.50	<0.50	<0.50	<0.50	<1	<0.50	-----	-----	-----	-----
WCW-9	11/18/99	IT Corporation	<300	-----	<0.50	<1	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-9	05/16/00	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-9	11/30/00	IT Corporation	<300	-----	0.60	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-9	05/10/01	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-9	11/08/01	IT Corporation	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-9	04/11/02	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-10	11/25/96	GSI	<50	<500	<0.50	<0.50	<0.50	<1.5	<0.50	<5	-----	-----	-----	-----
WCW-10	07/08/97	Terra Services	<100	<500	<0.50	2.2	<0.50	<1	<0.50	<5	-----	-----	-----	-----
WCW-10	01/05/98	GTI	<500	<100	<0.50	<0.50	<0.50	<1	<0.50	<0.50	-----	-----	-----	-----
WCW-10	05/19/98	Terra Services	-----	-----	<0.50	<0.50	<0.50	<1	<0.50	<0.50	-----	-----	-----	-----
WCW-10	11/04/98	GTI	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-10	05/05/99	Alton Geoscience	<500	<500	<0.50	0.80	<0.50	<0.50	<1	<0.50	-----	-----	-----	-----
WCW-10	11/17/99	IT Corporation	<300	-----	<0.50	<0.50	<0.50	0.80	<0.50	<0.50	-----	-----	-----	-----
WCW-10	05/19/00	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-10	11/30/00	IT Corporation	<300	-----	1.0	<0.50	<0.50	0.70	<0.50	<0.50	-----	-----	-----	-----
WCW-10	05/10/01	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-10	11/08/01	IT Corporation	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-10	04/09/02	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-11	11/25/96	GSI	<50	<500	<0.50	<0.50	<0.50	<1.5	<0.50	<5	-----	-----	-----	-----
WCW-11	07/08/97	Terra Services	<100	<500	<0.50	2.5	<0.50	<1	<0.50	<5	-----	-----	-----	-----
WCW-11	01/05/98	GTI	<500	<100	<0.50	<0.50	<0.50	<1	<0.50	<0.50	-----	-----	-----	-----
WCW-11	05/18/98	Terra Services	-----	-----	<0.50	<0.50	<0.50	<1	<0.50	<0.50	-----	-----	-----	-----
WCW-11	11/03/98	GTI	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-11	05/06/99	Alton Geoscience	<500	<500	<0.50	<0.50	<0.50	<0.50	<1	<0.50	-----	-----	-----	-----
WCW-11	11/17/99	IT Corporation	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-11	05/18/00	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-11	11/30/00	IT Corporation	<300	-----	0.8	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-11	05/09/01	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-11	11/08/01	IT Corporation	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-11	04/09/02	Secor	<300	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
WCW-12	11/25/96	GSI	<50	<500	<0.50	<0.50	<0.50	<1.5	<0.50	<5	----	----	----	----
WCW-12	07/09/97	Terra Services	<100	<500	<0.50	2.5	<0.50	<1	<0.50	<5	----	----	----	----
WCW-12	01/05/98	GTI	<500	<100	<0.50	<0.50	<0.50	<1	<0.50	<0.50	----	----	----	----
WCW-12	05/18/98	Terra Services	----	----	<0.50	<0.50	<0.50	<1	<0.50	<0.50	----	----	----	----
WCW-12	11/03/98	GTI	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-12	05/06/99	Alton Geoscience	<500	<500	1.4	5.3	<0.50	2.3	<1	<0.50	----	----	----	----
WCW-12	11/17/99	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-12	05/18/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-12	11/30/00	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-12	05/09/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-12	11/08/01	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-12	04/09/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-12	10/24/02	GTI	<300	----	<0.50	<1	<1	<1	<0.50	<1	----	----	----	----
WCW-12	04/09/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-12	05/10/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-12	11/03/04	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-12	03/02/05	Blaine Tech	<100	----	<0.50	<1	<1	<1	----	<1	----	----	----	----
WCW-12	05/05/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-12	11/05/05	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-12	05/05/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-12	12/08/06	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-12	05/01/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-12	11/13/07	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-12	04/18/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-12	10/17/08	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-12	04/21/09	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-12	10/27/09	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-12	05/24/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-12	10/07/10	Blaine Tech	<100	----	<0.50	----	----	----	<0.50	<0.50	<10	----	----	----
WCW-12	04/11/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-12	10/14/11	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-12	04/17/12	CH2M Hill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-12	10/18/12	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-12	04/09/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-12	10/08/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-12	04/15/14	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-12	10/28/14	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-12	04/22/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-12	10/21/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-12	04/12/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-12	10/04/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-12	04/19/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-12	10/03/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-12	04/17/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-12	11/07/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-12	04/17/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-12	10/30/19	BT for Jacobs	<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	GSI	<50	<500	<0.50	<0.50	<0.50	<1.5	<0.50	<5	----	----	----	----
WCW-13	07/09/97	Terra Services	<100	<500	<0.50	<0.50	<0.50	<1	<0.50	<5	----	----	----	----
WCW-13	01/05/98	GTI	<500	<100	<0.50	<0.50	<0.50	<1	<0.50	<0.50	----	----	----	----
WCW-13	05/18/98	Terra Services	----	----	<0.50	<0.50	<0.50	<1	<0.50	1.4	----	----	----	----
WCW-13	11/03/98	GTI	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
WCW-13	05/06/99	Alton Geoscience	<500	<500	0.88	3.1	<0.50	0.87	<1	<0.50	----	----	----	----
WCW-13	11/17/99	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-13	05/18/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	0.8	<0.50	----	----	----	----
WCW-13	08/28/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-13	11/30/00	IT Corporation	<300	----	0.6	<0.50	<0.50	<0.50	1	<0.50	----	----	----	----
WCW-13	02/05/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-13	05/09/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	0.6	<0.50	----	----	----	----
WCW-13	09/18/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	1	<0.50	----	----	----	----
WCW-13	11/08/01	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-13	01/30/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-13	04/09/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-13	07/30/02	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-13	10/24/02	GTI	<300	----	<0.50	<1	<1	<1	<0.50	<1	----	----	----	----
WCW-13	01/28/03	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-13	04/09/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-13	07/30/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-13	01/28/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-13	05/10/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-13	07/20/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-13	11/03/04	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-13	02/03/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-13	05/05/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-13	08/02/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-13	11/05/05	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-13	02/28/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-13	05/05/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-13	09/20/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-13	12/08/06	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-13	03/13/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-13	05/01/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-13	08/28/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-13	11/13/07	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-13	02/21/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-13	04/18/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-13	08/13/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-13	10/17/08	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-13	02/23/09	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-13	04/21/09	Blaine Tech for AMEC	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	07/20/09	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	10/27/09	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-13	03/15/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	05/24/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	07/12/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	10/08/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	01/10/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	04/11/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	07/11/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	10/11/11	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	01/09/12	CH2M Hill	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	04/17/12	CH2M Hill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	07/09/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	10/16/12	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
WCW-13	01/14/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	04/09/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	10/09/13	CHHL	<50	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	04/15/14	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	10/28/14	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-13	04/22/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-13	10/21/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-13	04/12/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-13	10/04/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-13	04/18/17	BT for CH2MHill	<50	450	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-13	10/03/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-13	04/17/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	11/07/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-13	04/17/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	10/30/19	BT for Jacobs	<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	GTI	<300	----	<0.50	<0.50	<0.50	<0.50	1.5	<0.50	----	----	----	----
WCW-14	05/06/99	Alton Geoscience	<500	<500	1.8	6.6	0.55	3	<1	<0.50	----	----	----	----
WCW-14	11/17/99	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-14	05/18/00	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-14	11/30/00	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-14	05/09/01	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-14	11/08/01	IT Corporation	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-14	04/09/02	Secor	<300	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-14	10/24/02	GTI	<300	----	<0.50	<1	<1	<1	<0.50	<1	----	----	----	----
WCW-14	04/09/03	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-14	05/10/04	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-14	11/03/04	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-14	05/05/05	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-14	11/05/05	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-14	05/05/06	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-14	12/08/06	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-14	05/01/07	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-14	11/13/07	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-14	04/18/08	Secor	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----
WCW-14	10/17/08	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-14	04/21/09	Blaine Tech for AMEC	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-14	10/27/09	Blaine Tech	<100	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-14	05/25/10	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-14	10/07/10	Blaine Tech	<100	----	<0.50	----	----	----	<0.50	<0.50	<10	----	----	----
WCW-14	04/12/11	Blaine Tech	<50	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-14	10/14/11	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-14	04/17/12	CH2M Hill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-14	10/18/12	Parsons	----	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-14	04/09/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-14	10/08/13	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-14	04/15/14	CHHL	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-14	10/28/14	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-14	04/23/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-14	10/21/15	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-14	04/12/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-14	10/04/16	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-14	04/19/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2017
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
WCW-14	10/03/17	BT for CH2MHill	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-14	04/17/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-14	11/06/18	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-14	04/17/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-14	10/30/19	BT for Jacobs	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0

Notes:

Detected concentrations are shown in **bold**.

TPH = total petroleum hydrocarbons

BTEX Compounds = benzene, toluene, ethylbenzene, and total xylenes

1,2-DCA = 1,2-dichloroethane

TPH-g = total petroleum hydrocarbons as gasoline

TPH-fp = total petroleum hydrocarbons quantified using a site fuel product standard

TPH-d = total petroleum hydrocarbons as diesel

TPH-JP-4 = total petroleum hydrocarbons as Jet Propellant No.4

TPH-JP-5 = total petroleum hydrocarbons as Jet Propellant No.5

MTBE = methyl tertiary-butyl ether

TBA = tertiary-butyl alcohol

DIPE = diisopropyl ether

ETBE = ethyl tertiary-butyl ether

TAME = tertiary-amyl methyl ether

<100 = not detected at or above the indicated laboratory reporting limit

----- = not analyzed

HD = Chromatographic pattern was inconsistent with the profile of the reference fuel standard.

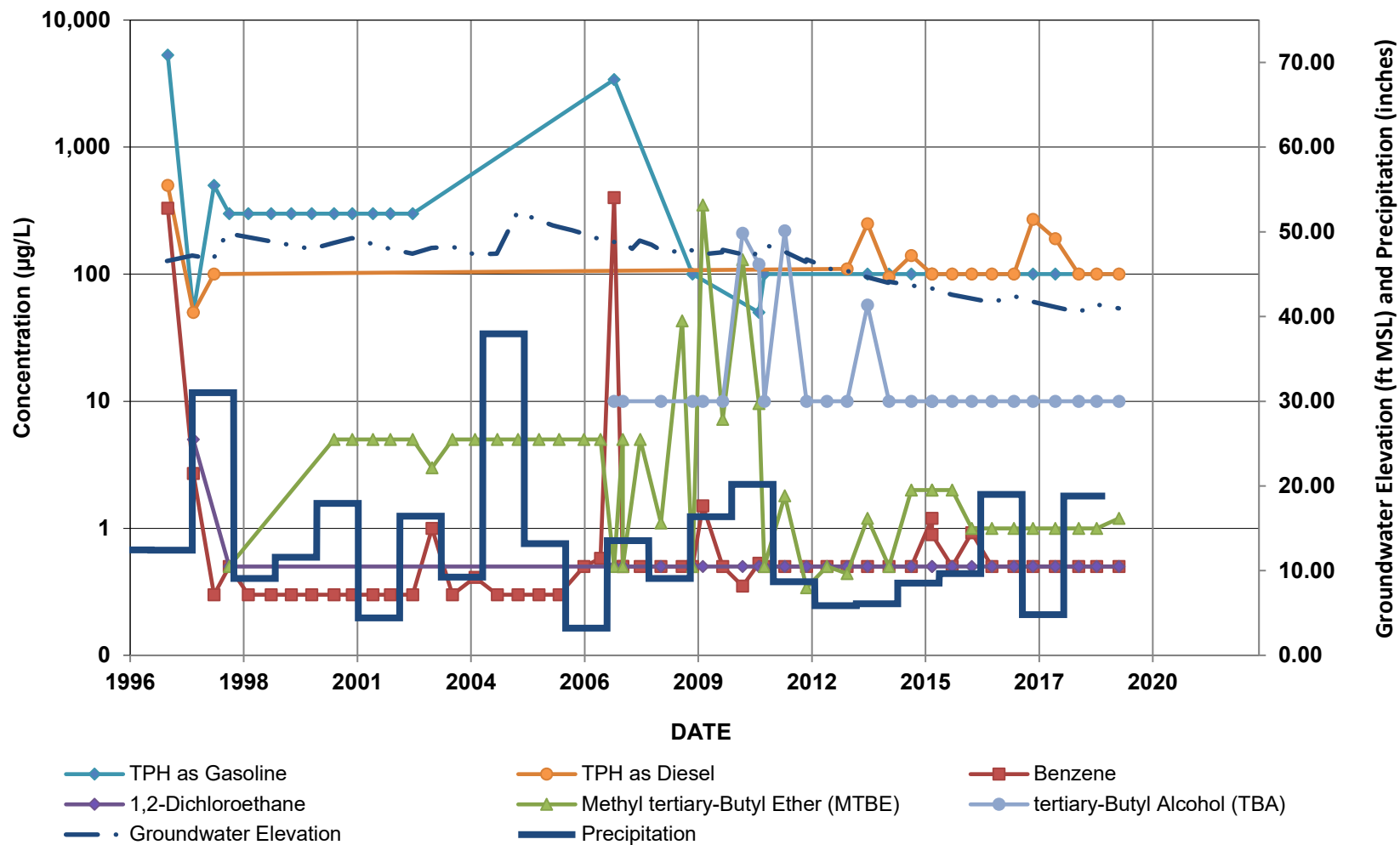
J = estimated concentration below the laboratory reporting limit

APPENDIX E
TIME-SERIES CHARTS

FORMER TANK FARM AREA

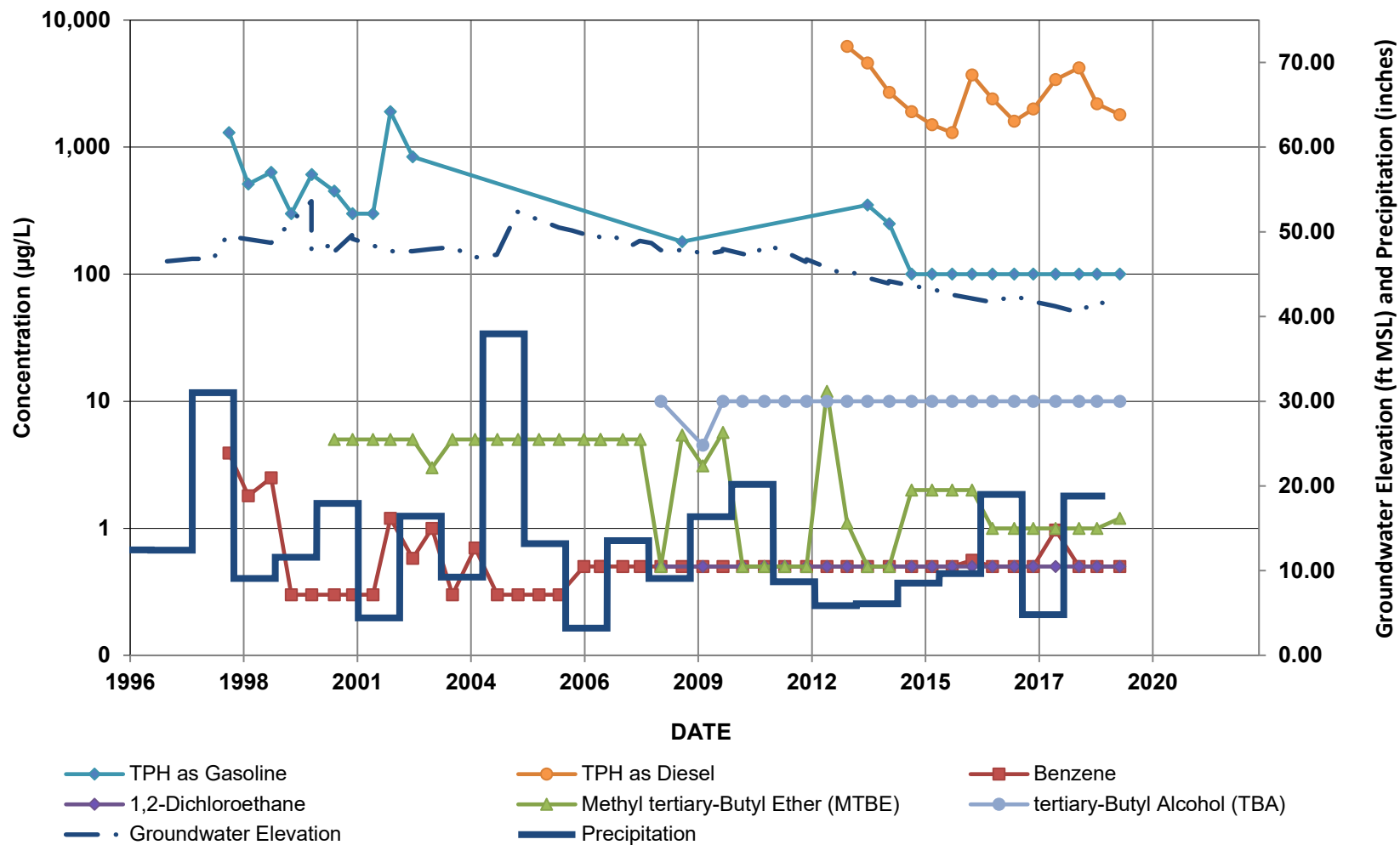
GMW-6, GMW-15, GMW-32, GMW-45, GMW-47, MW-23(MID), AND MW-26

GMW-6



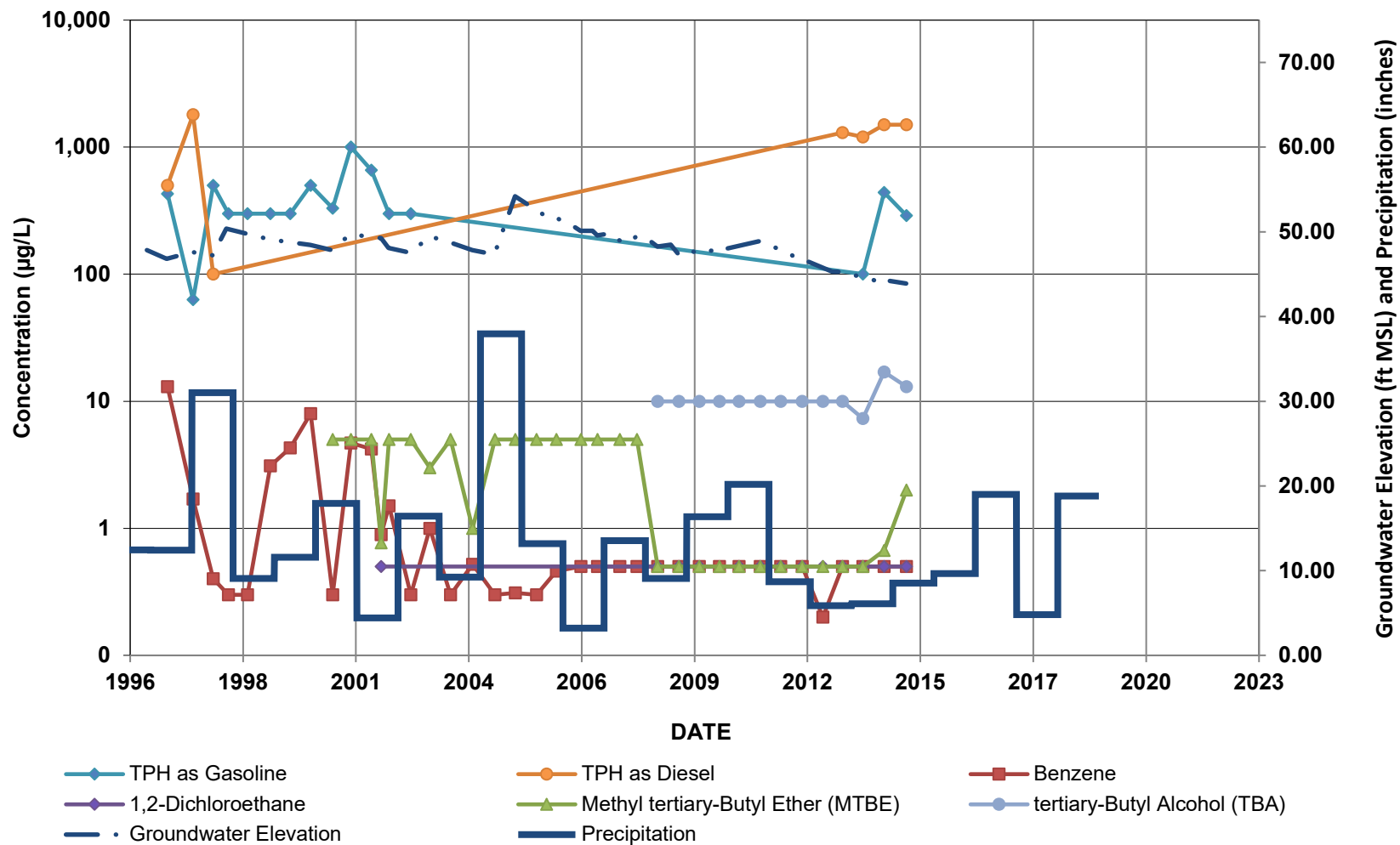
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

GMW-15



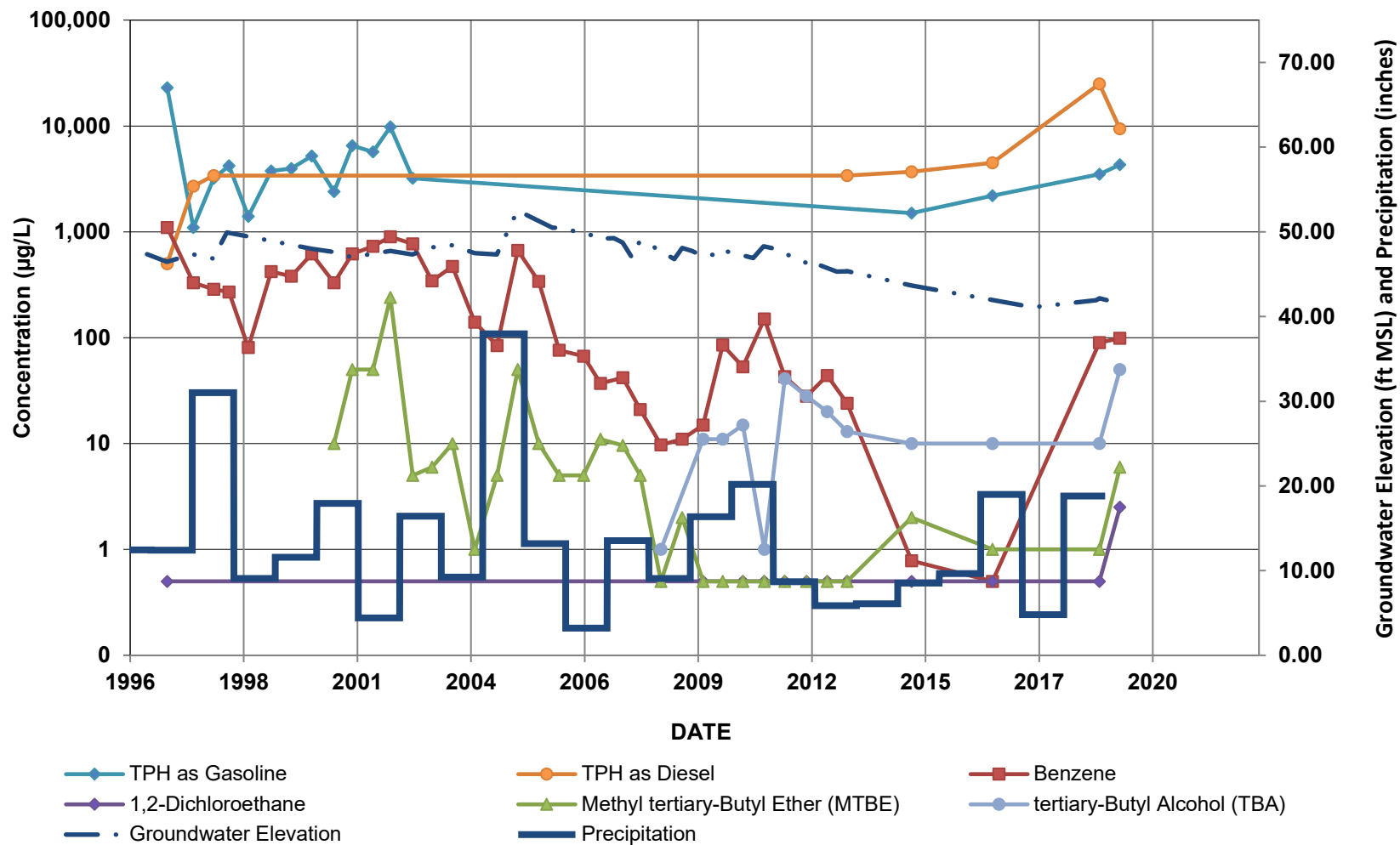
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

GMW-32



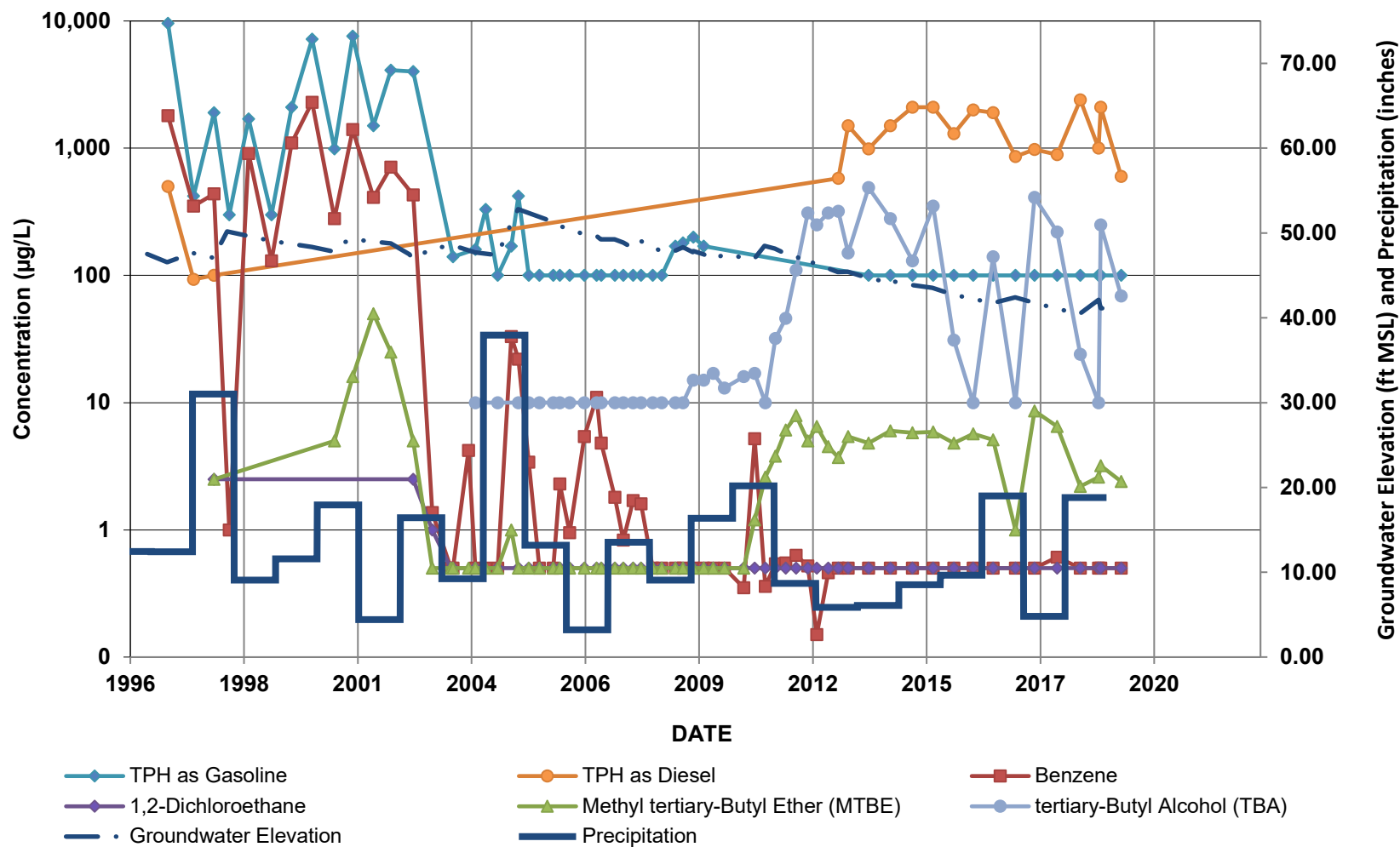
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

GMW-45



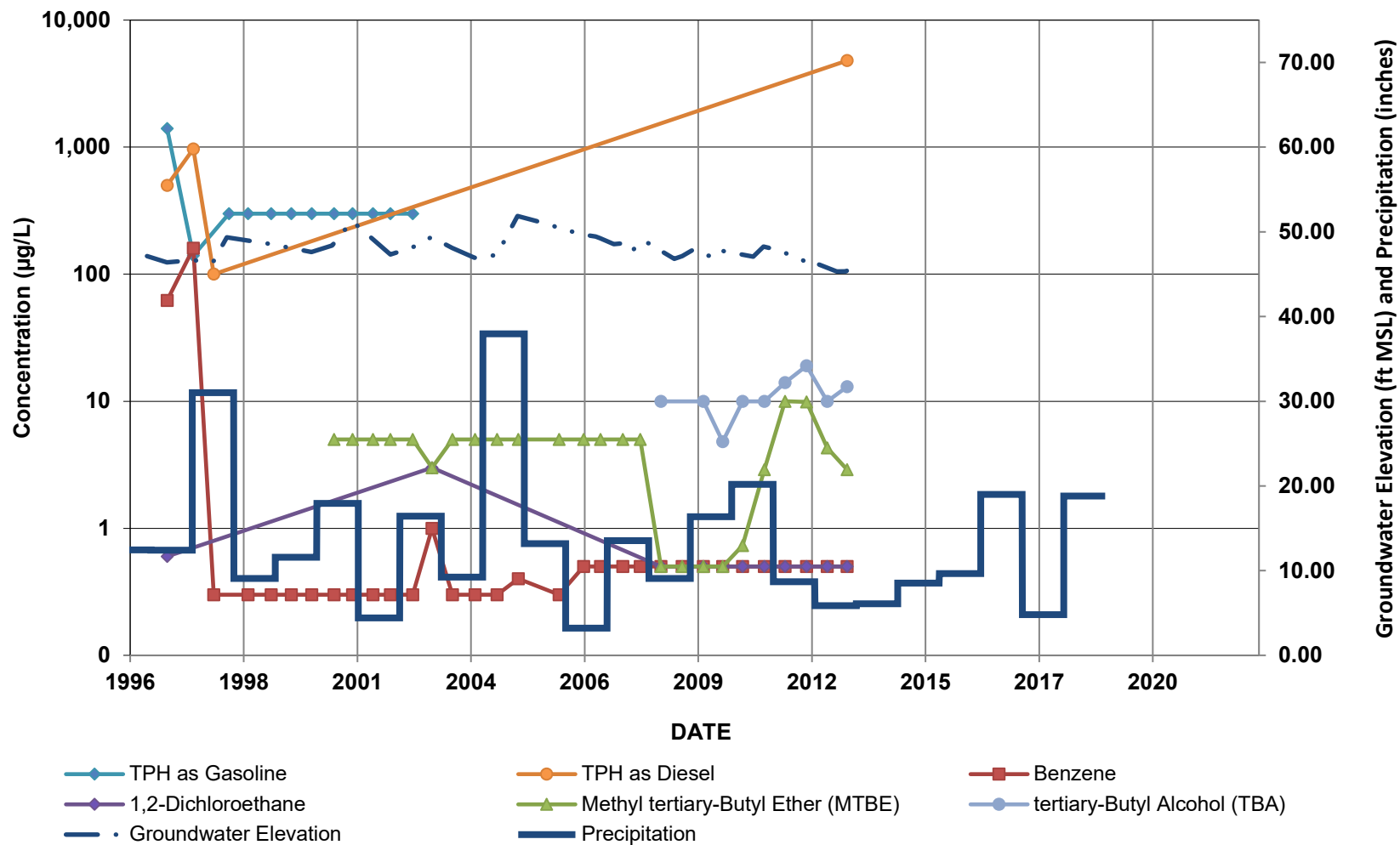
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

GMW-47



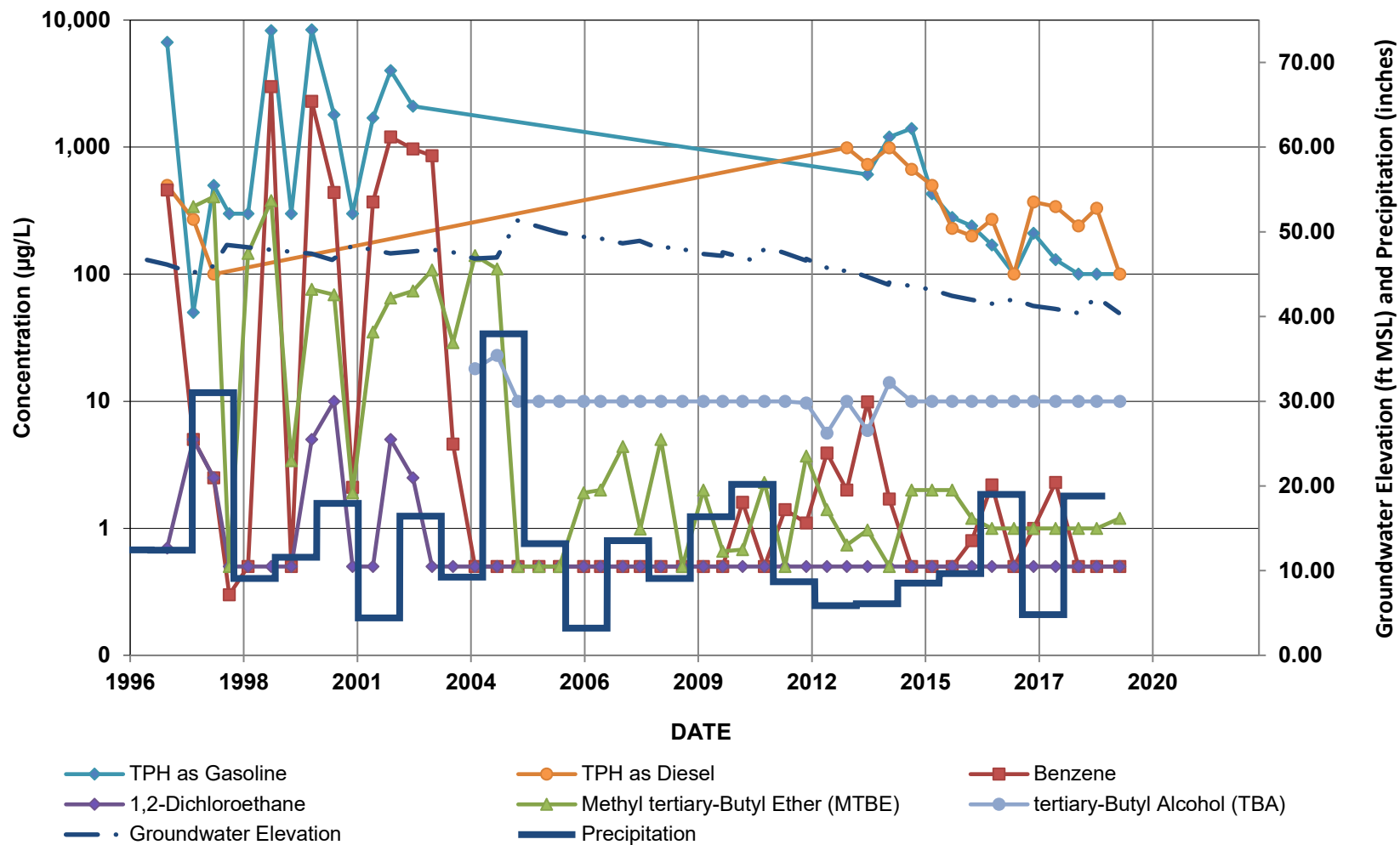
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

MW-23(MID)



Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

MW-26

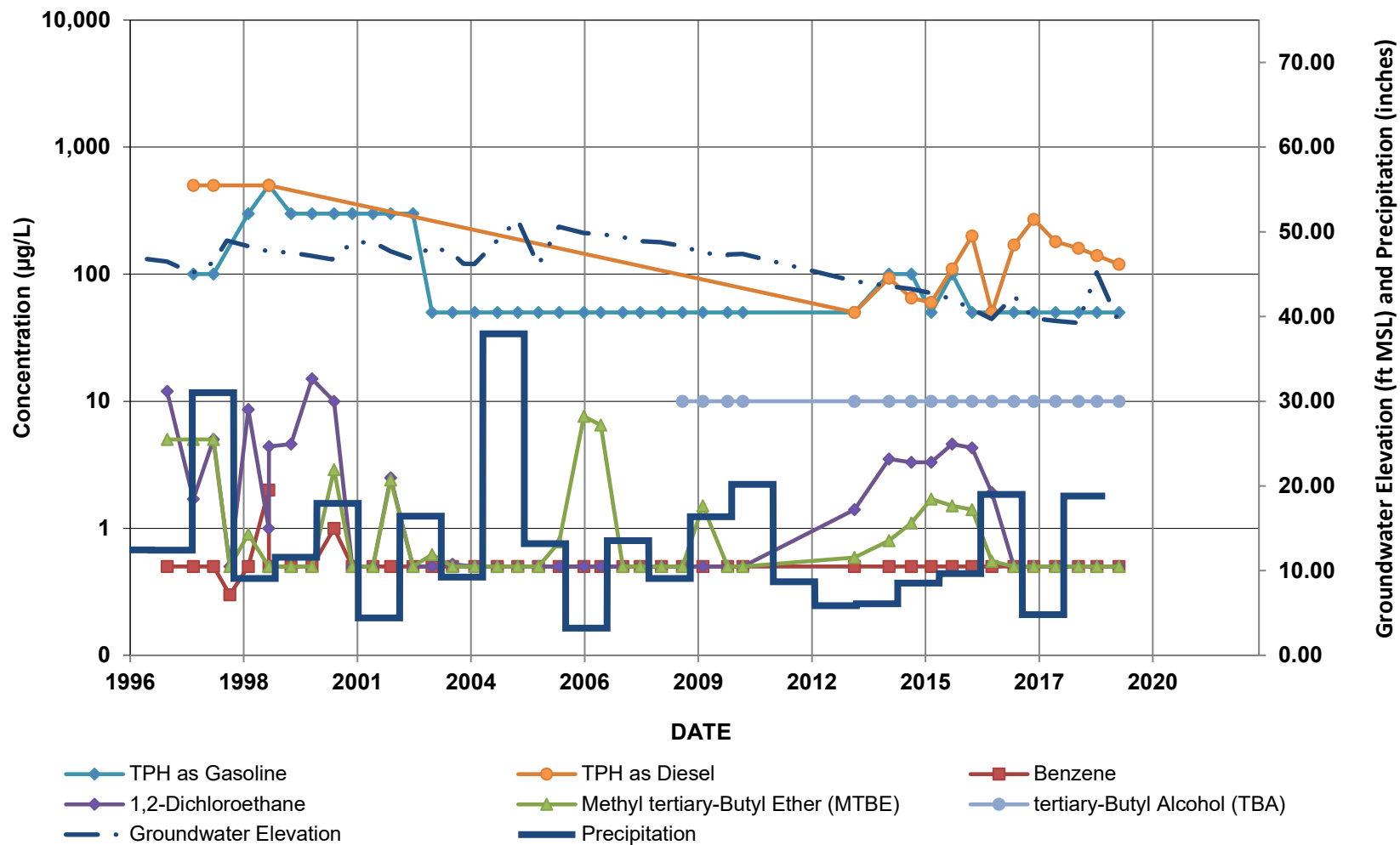


Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

WESTERN AREA

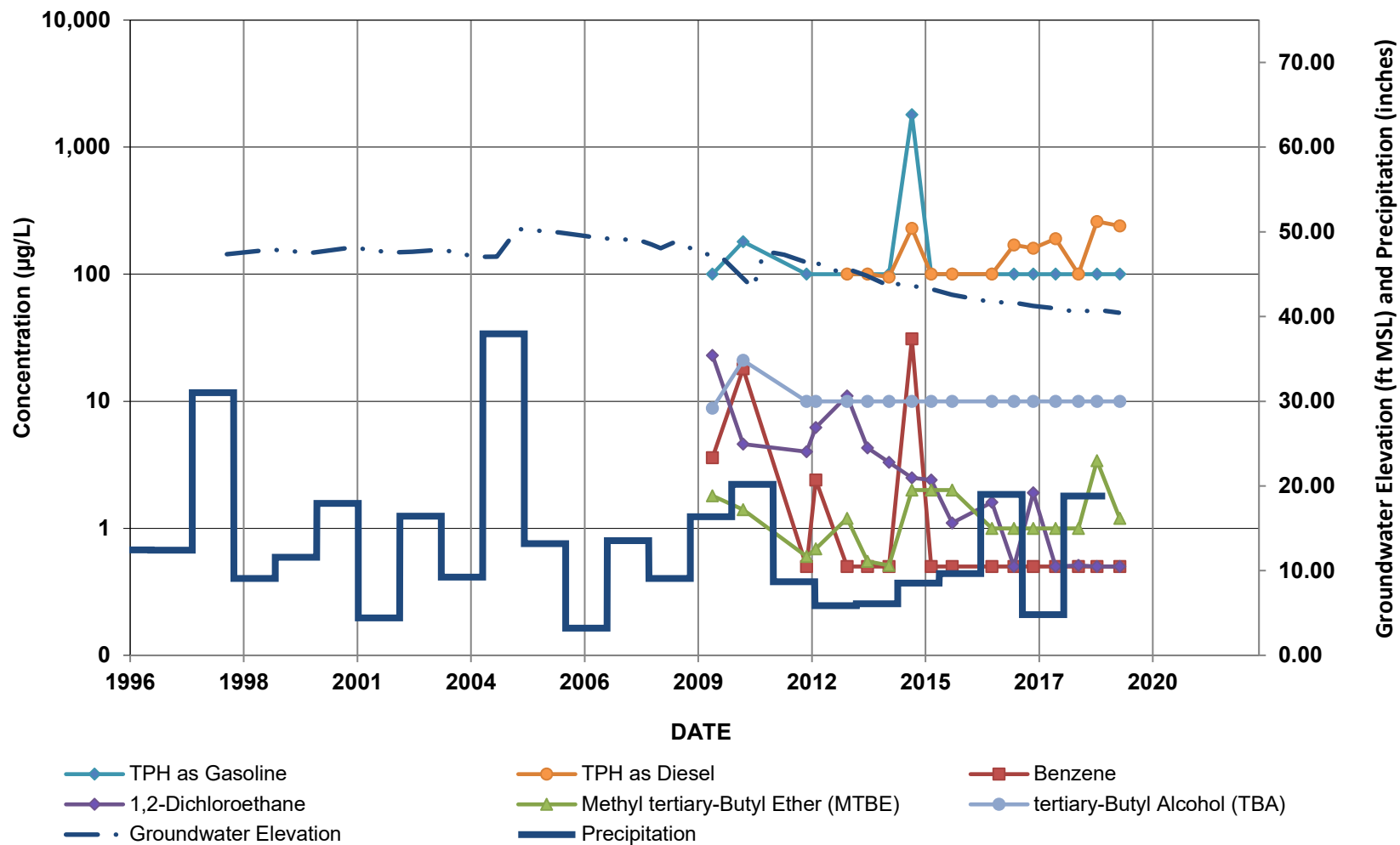
GMW-8, GW-2, GW-6, GW-13, MW-6, MW-7, MW-22(MID), MW-26, WCW-3, AND WCW-7

GMW-8



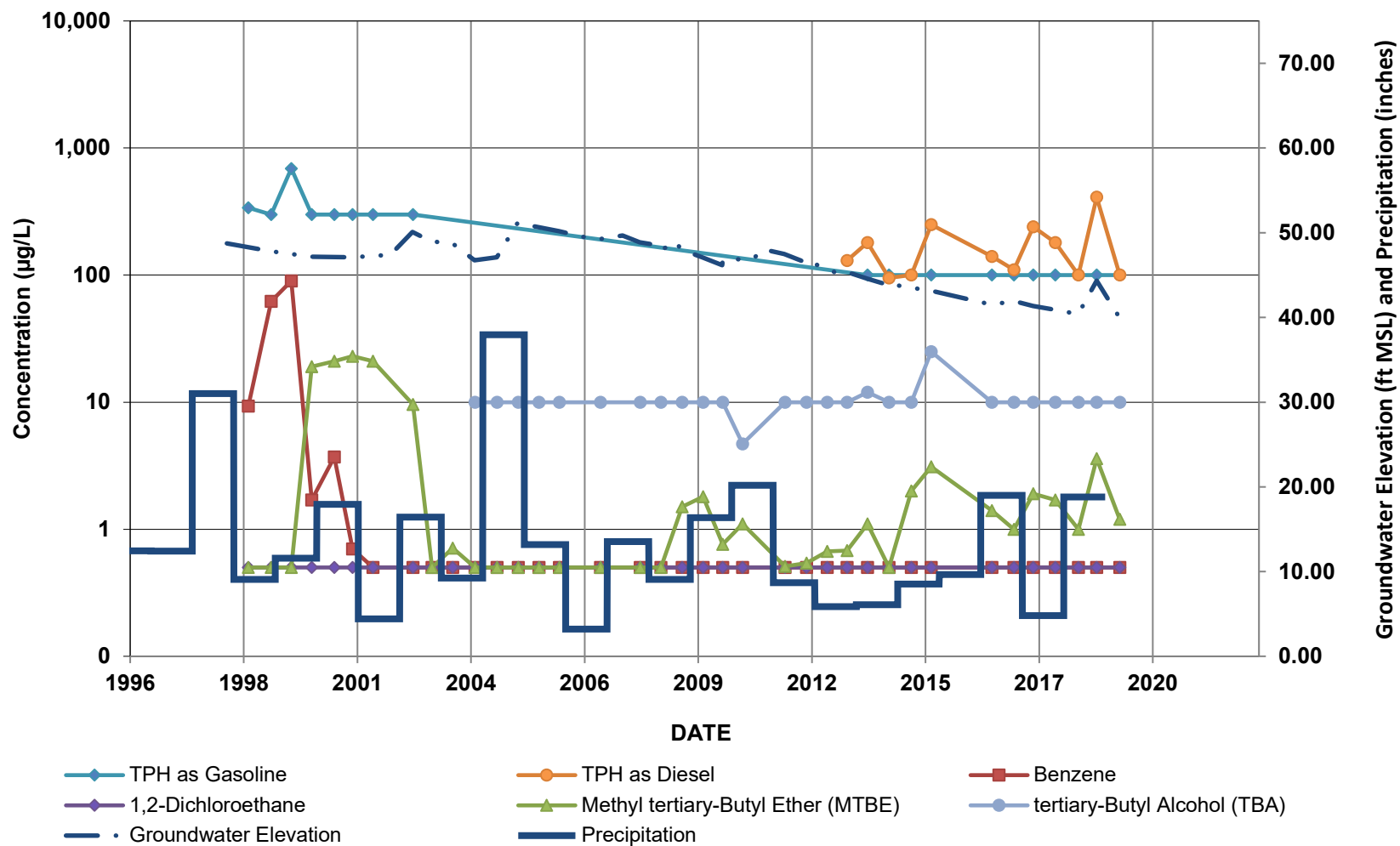
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

GW-2



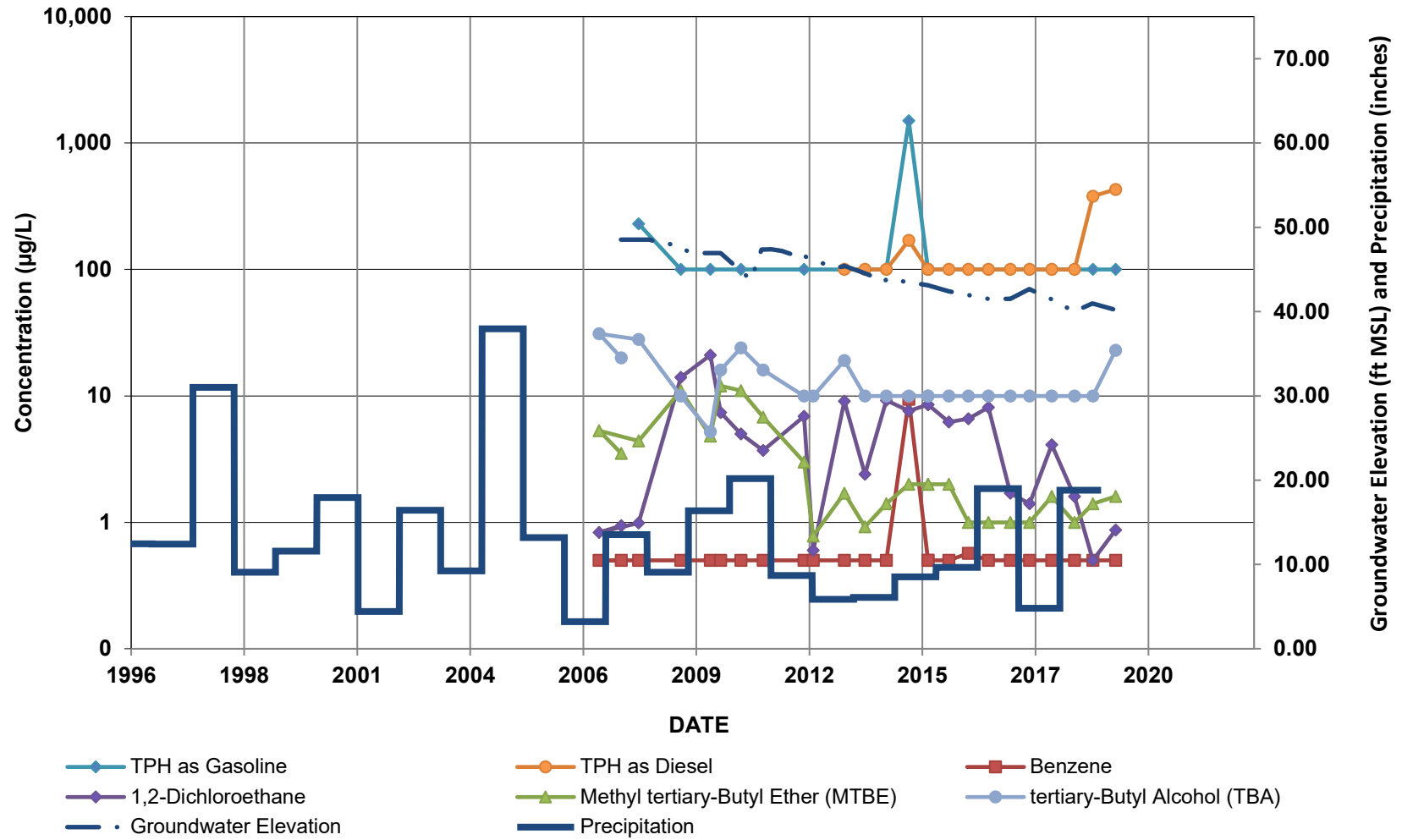
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

GW-6



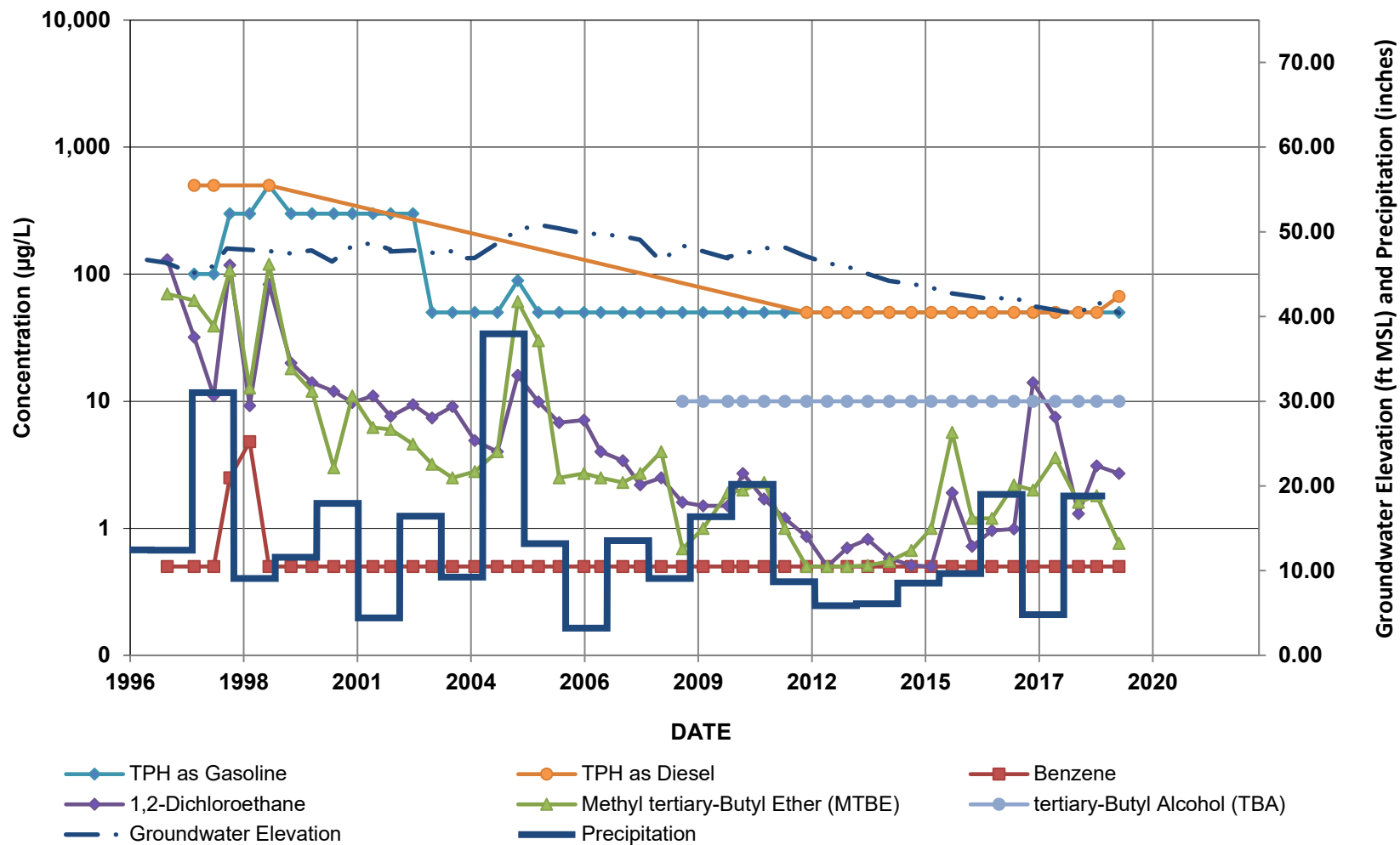
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

GW-13



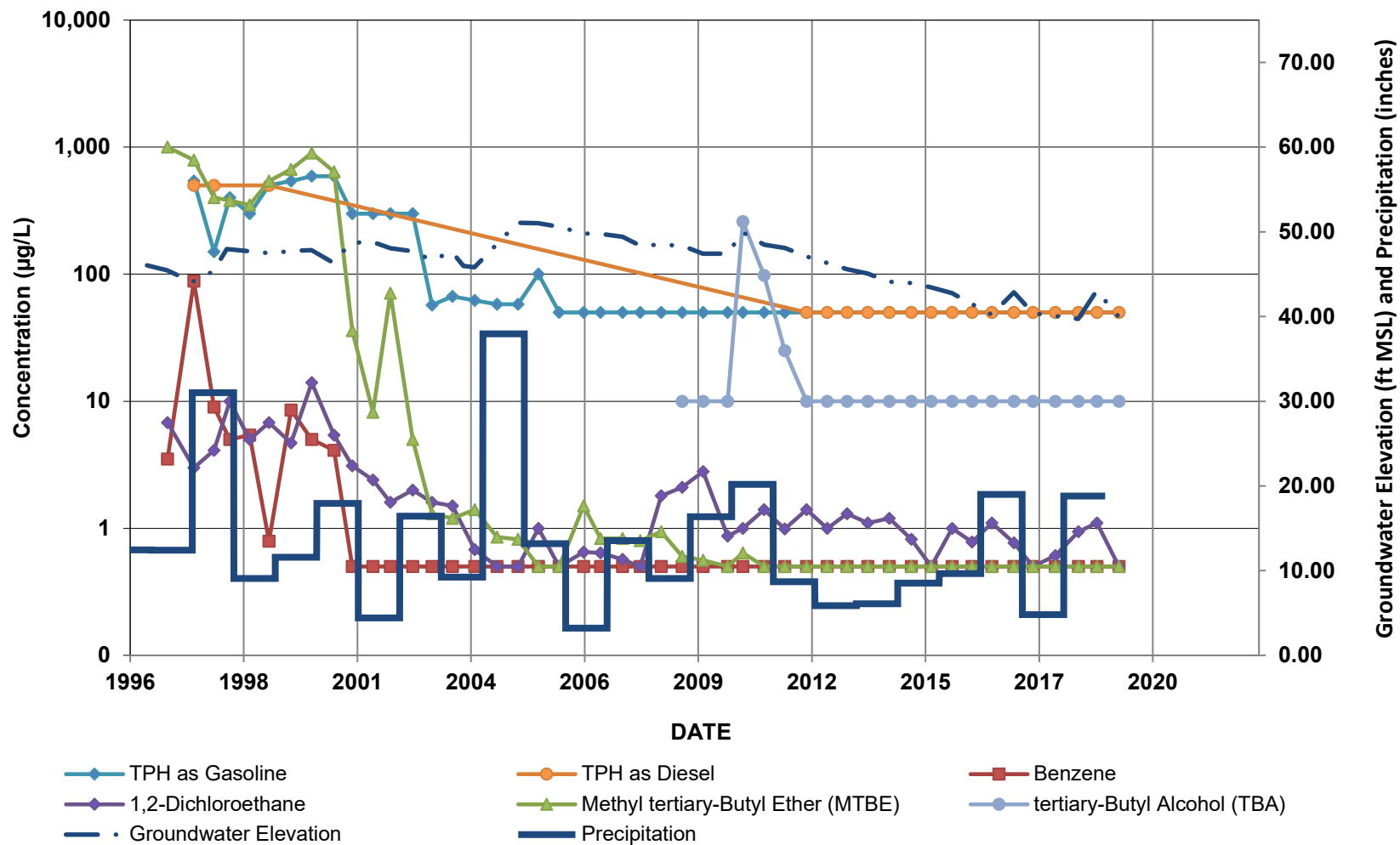
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

MW-6



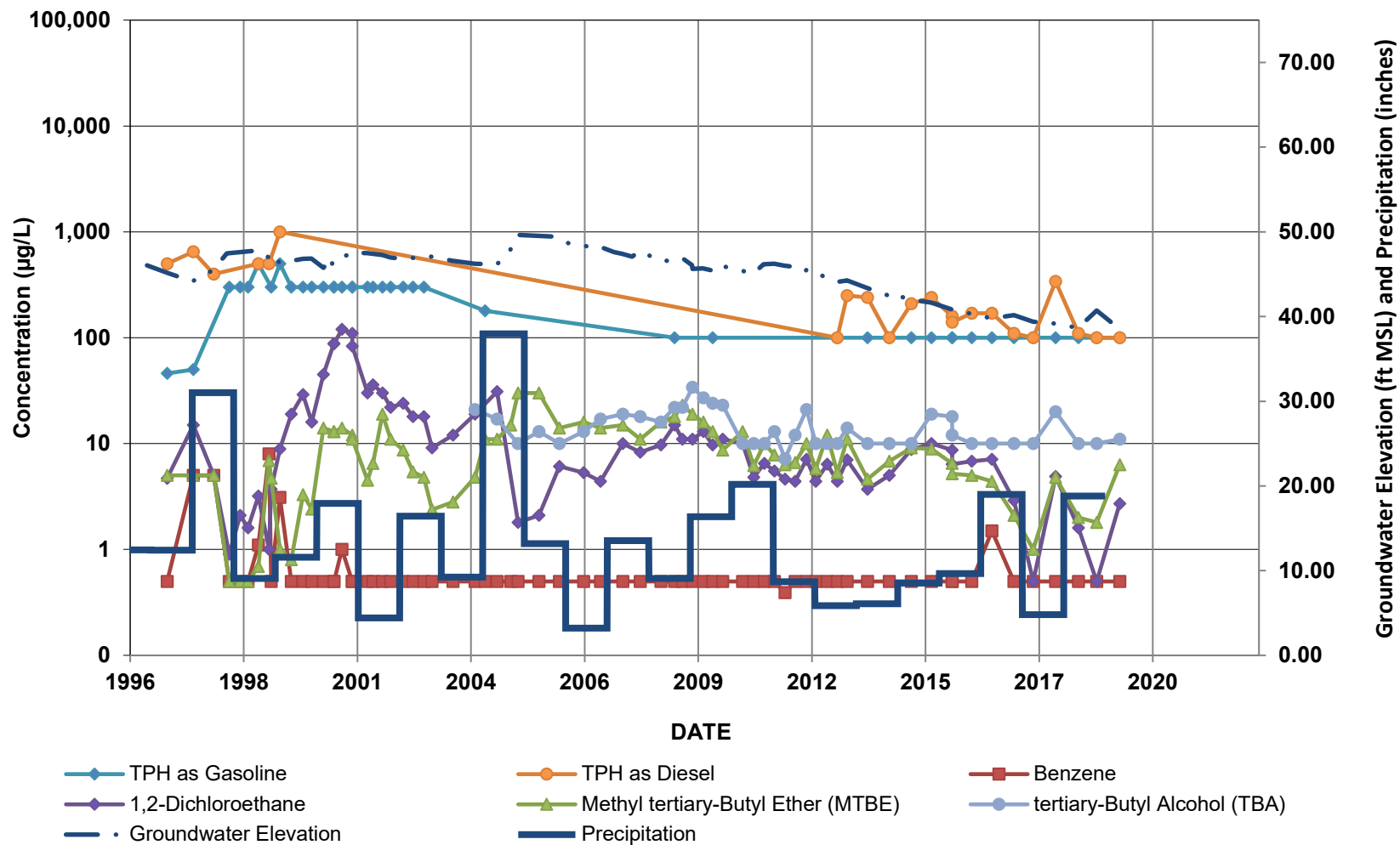
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

MW-7



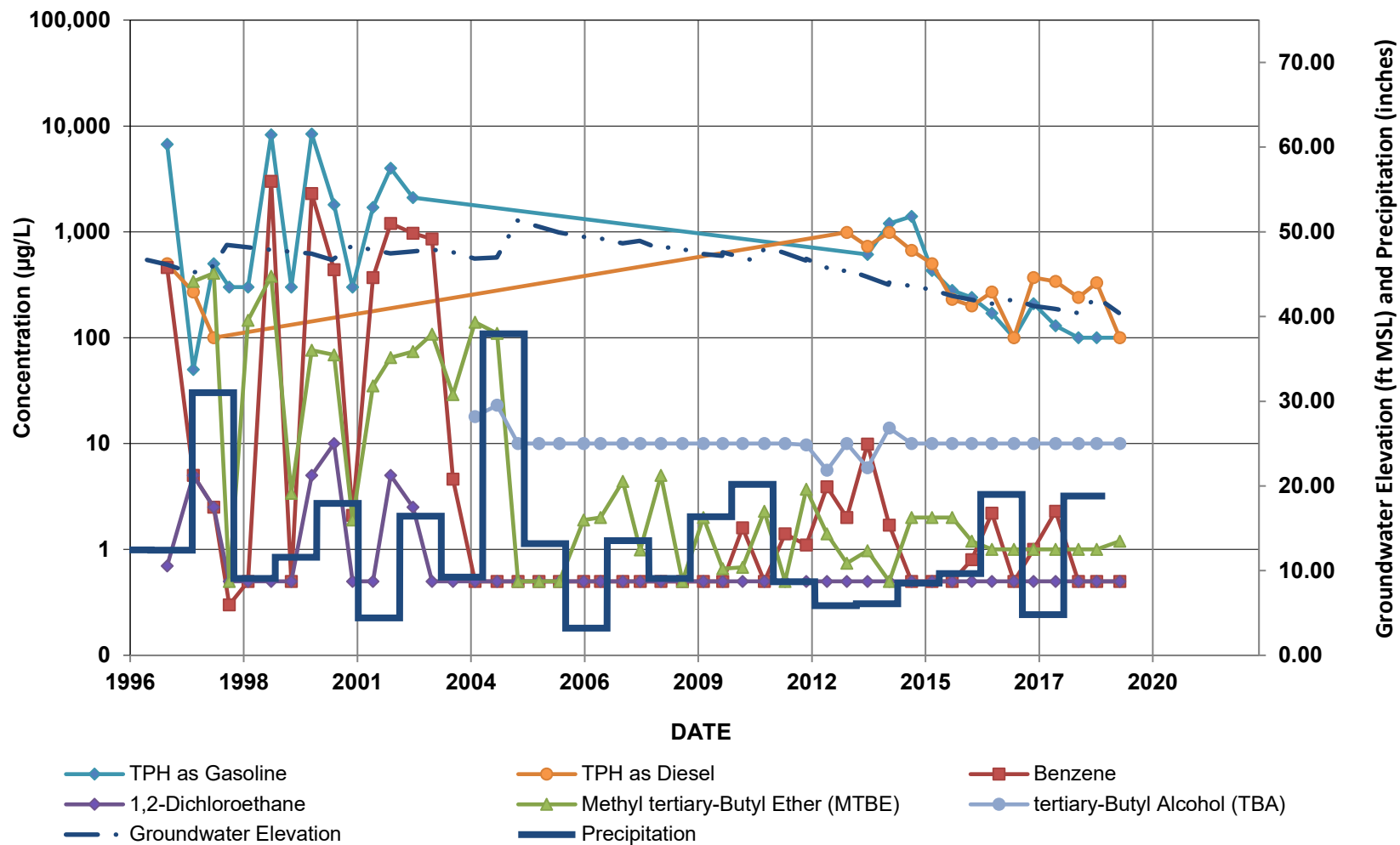
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

MW-22(MID)



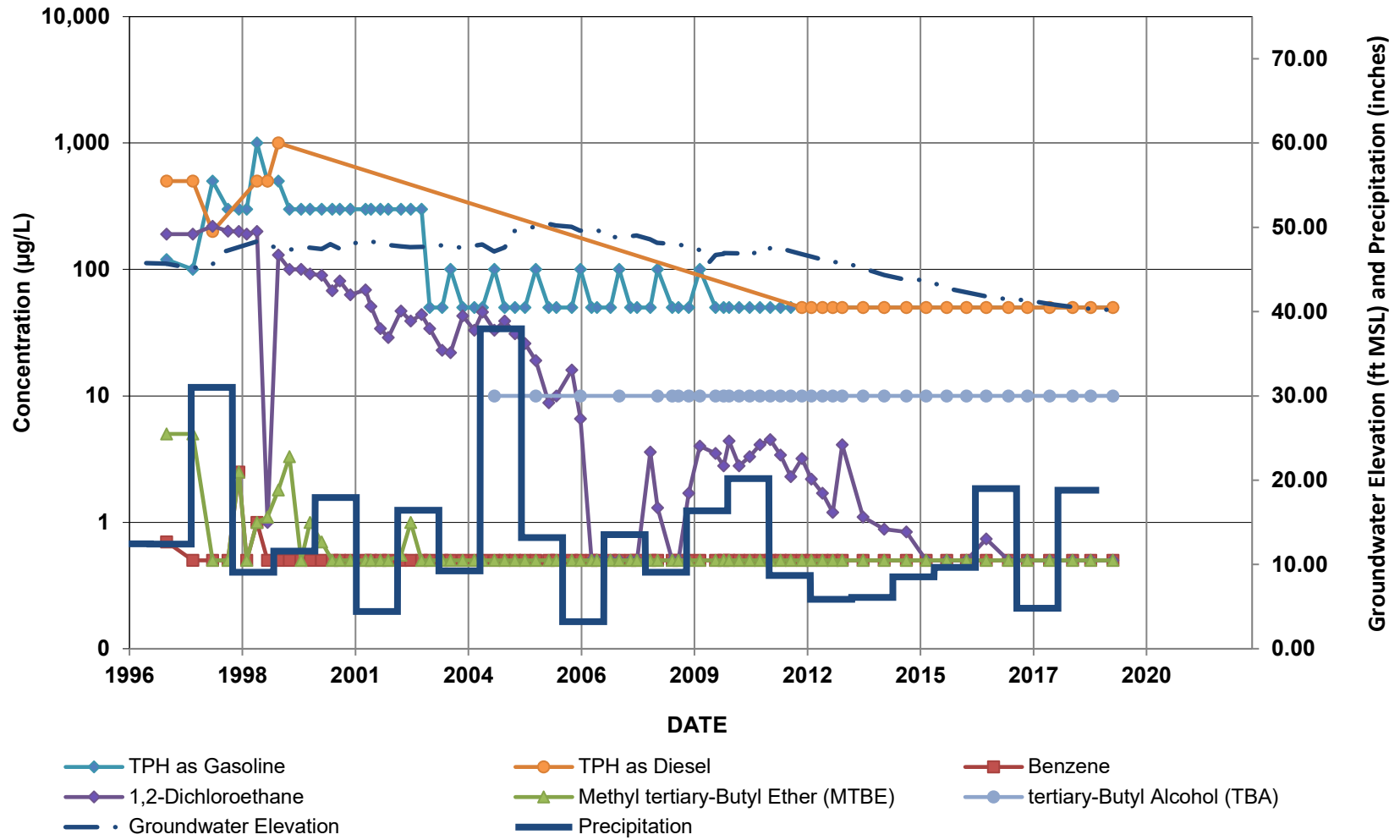
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

MW-26



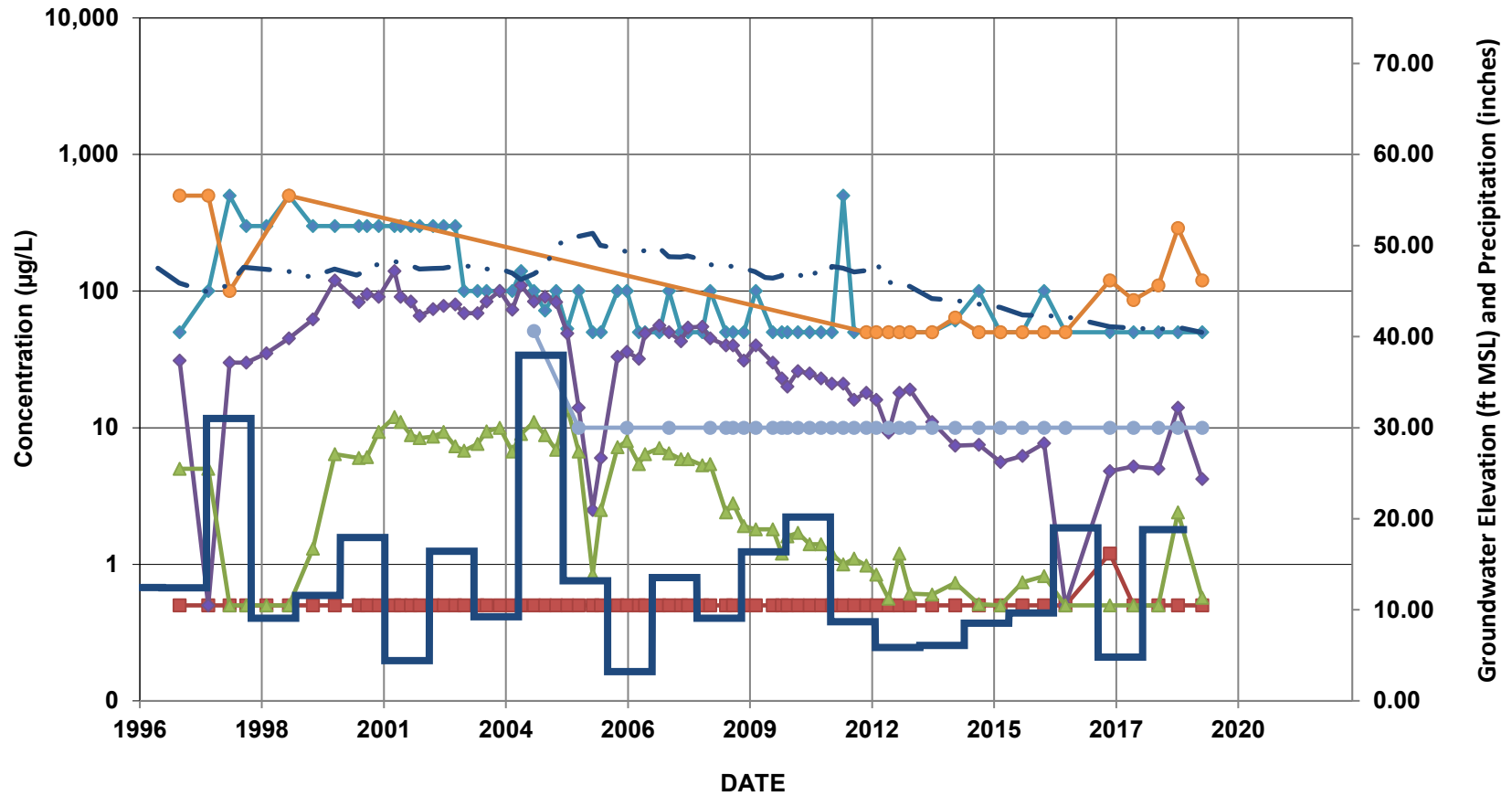
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

WCW-3



Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

WCW-7

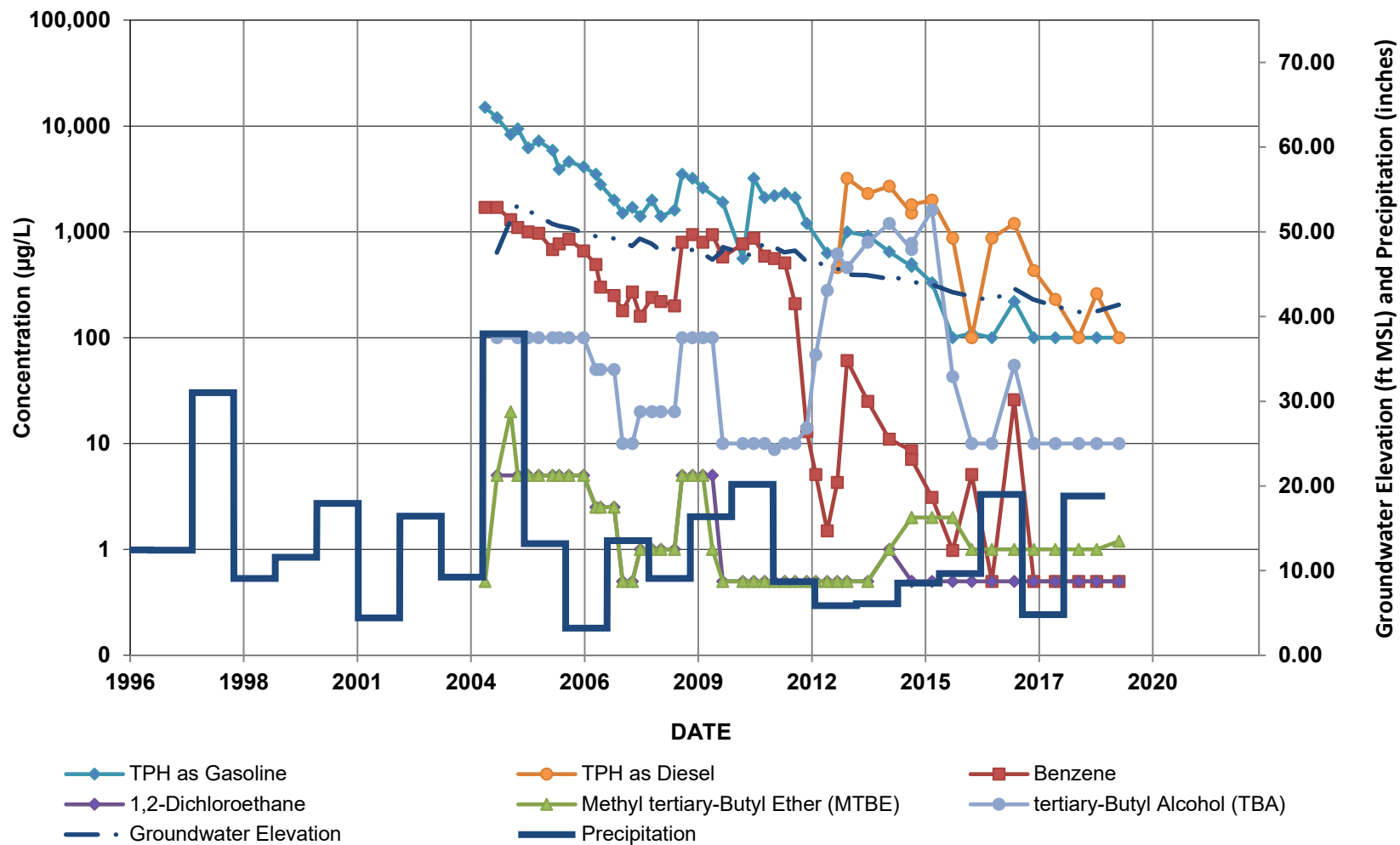


Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

NORTHEAST ON-SITE/HOLIFIELD PARK AREAS

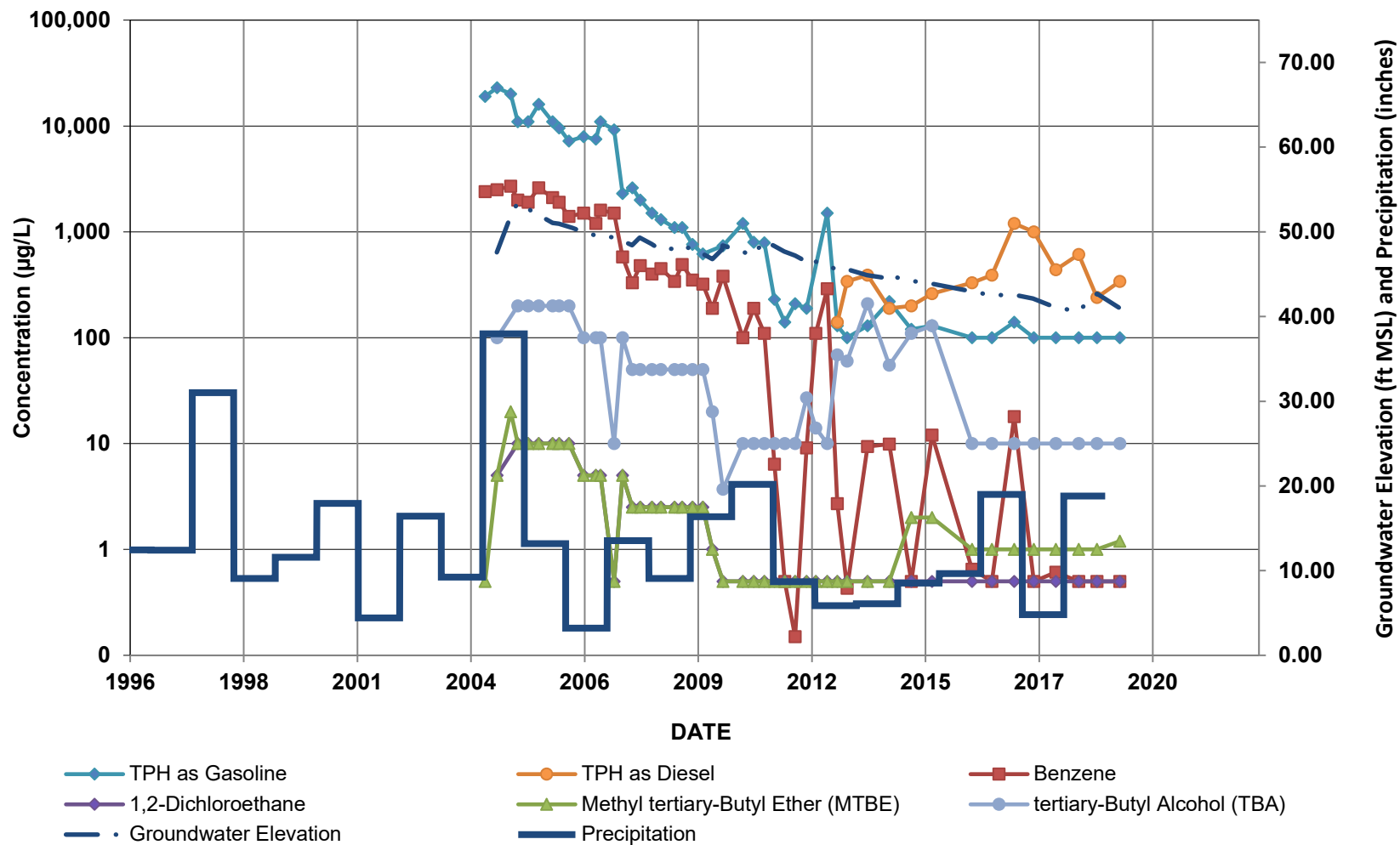
GMW-60, GMW-61, GMW-62, GMW-67, GMW-68, AND GMW-69

GMW-60



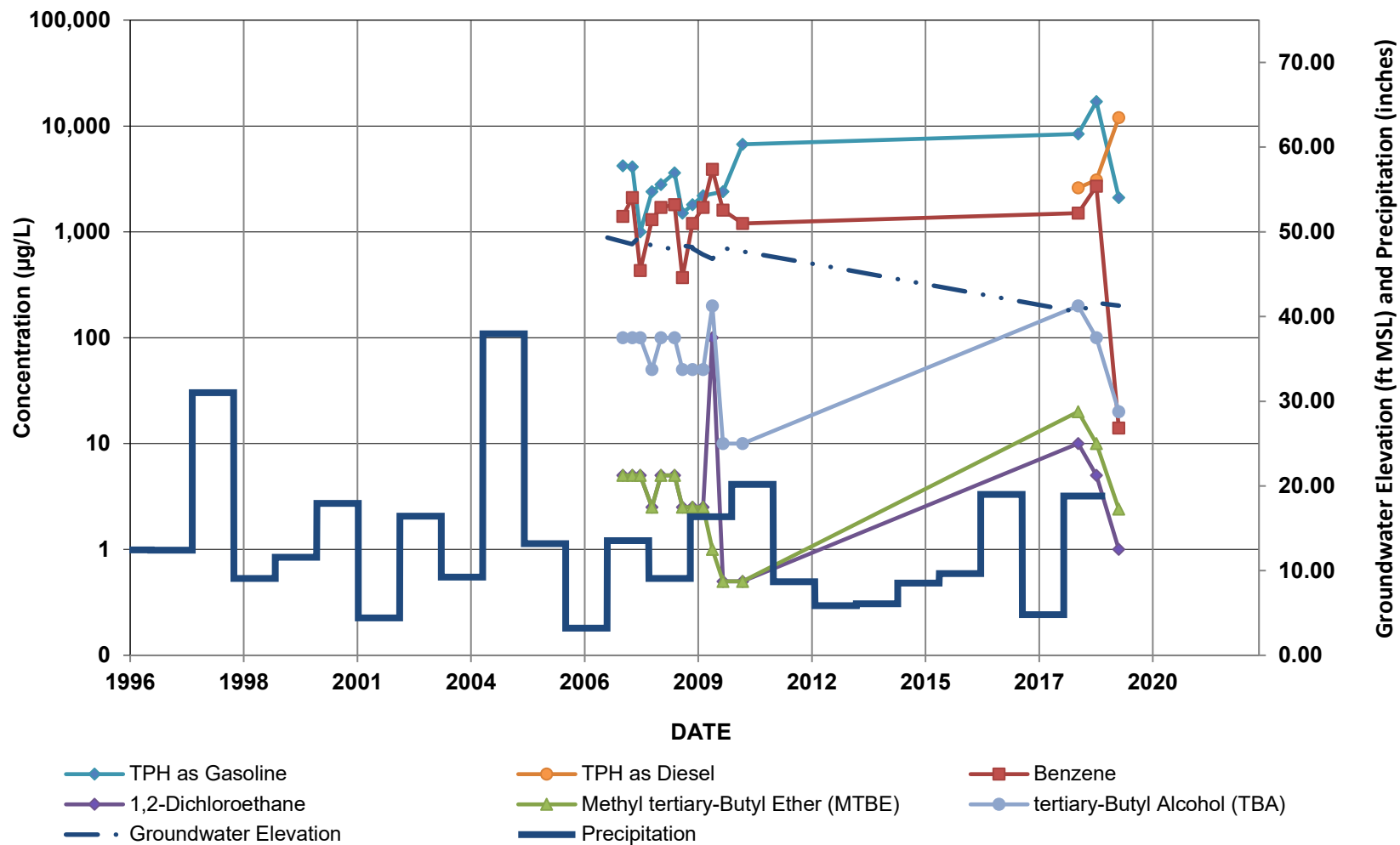
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

GMW-61



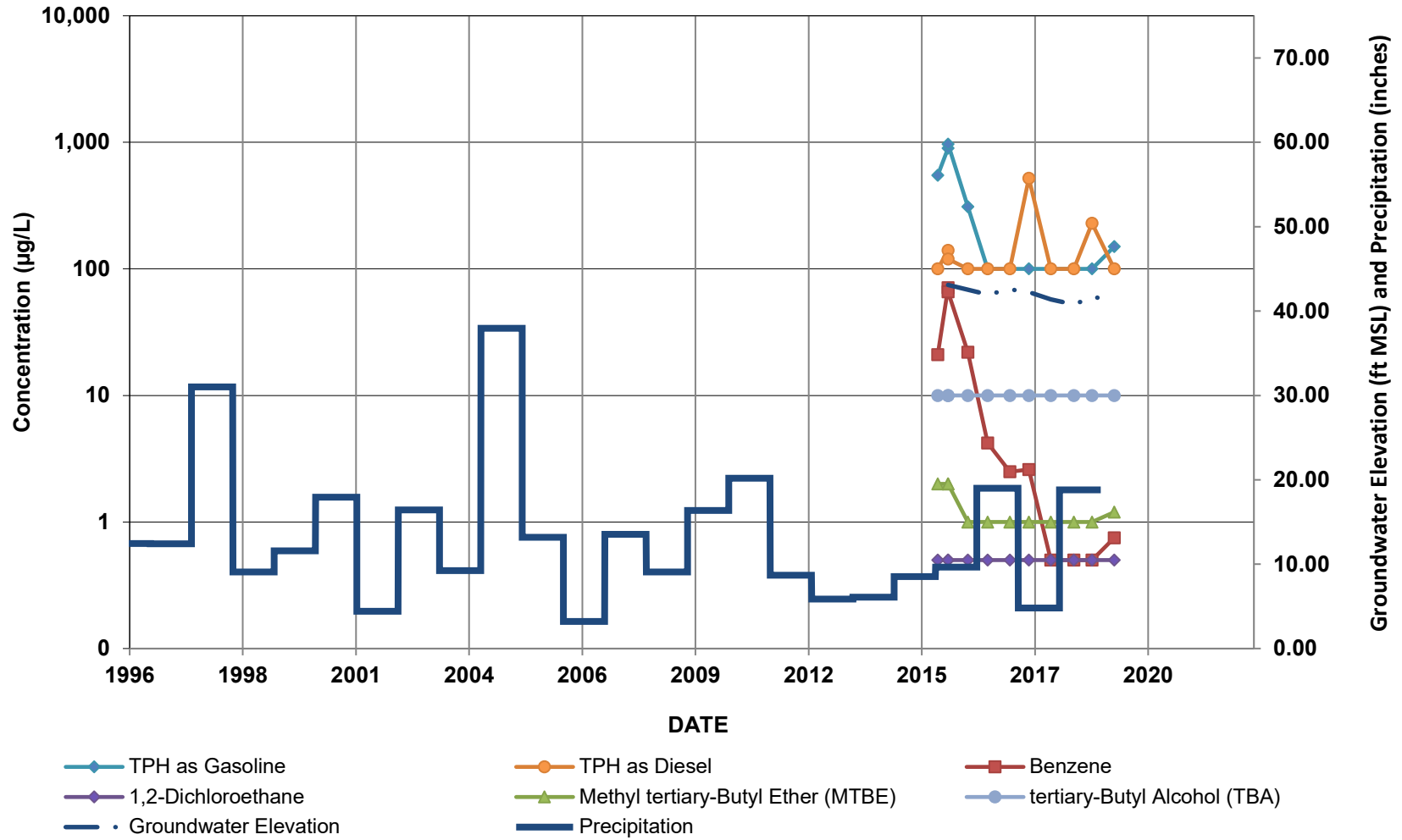
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

GMW-62



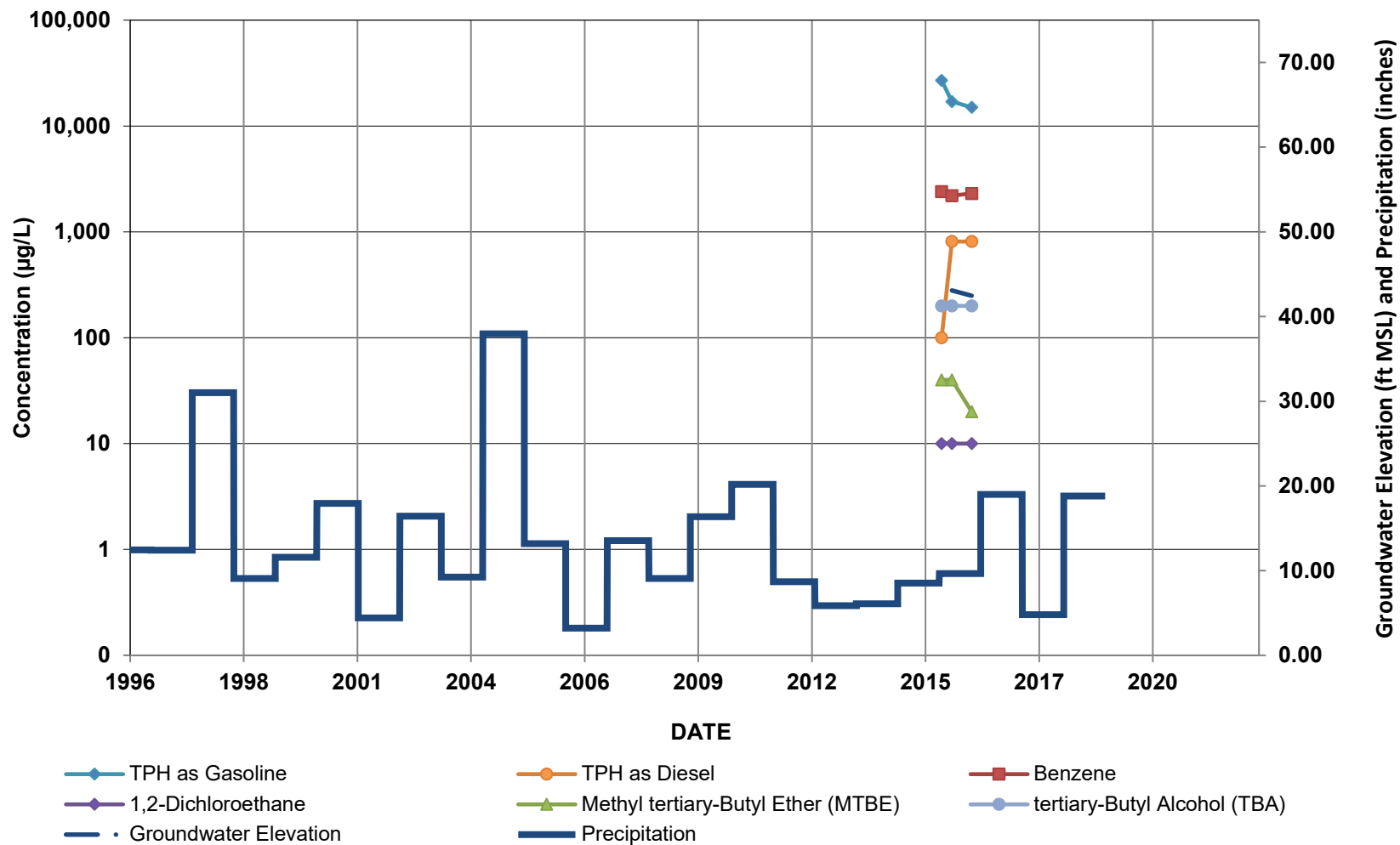
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

GMW-67



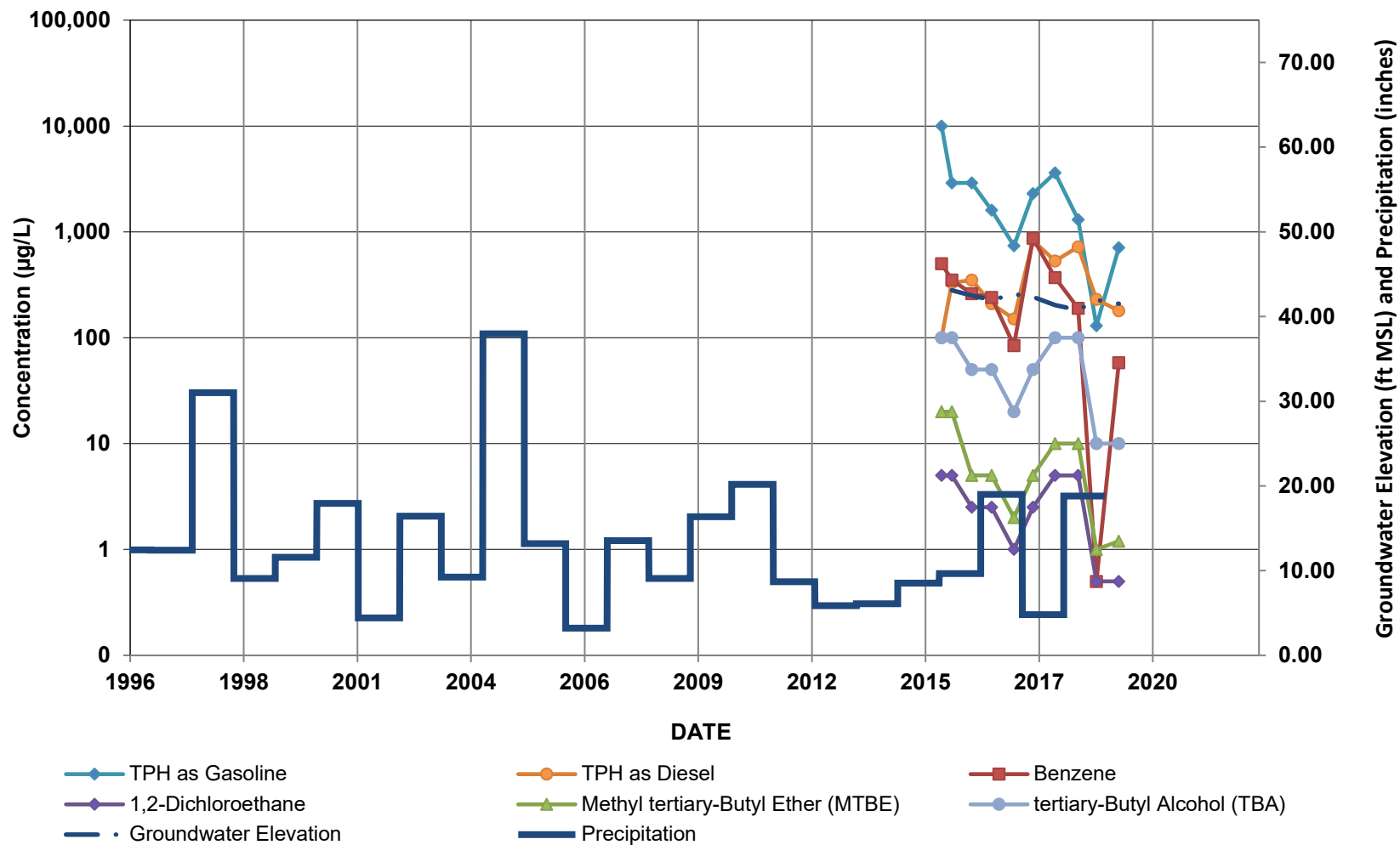
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

GMW-68



Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

GMW-69

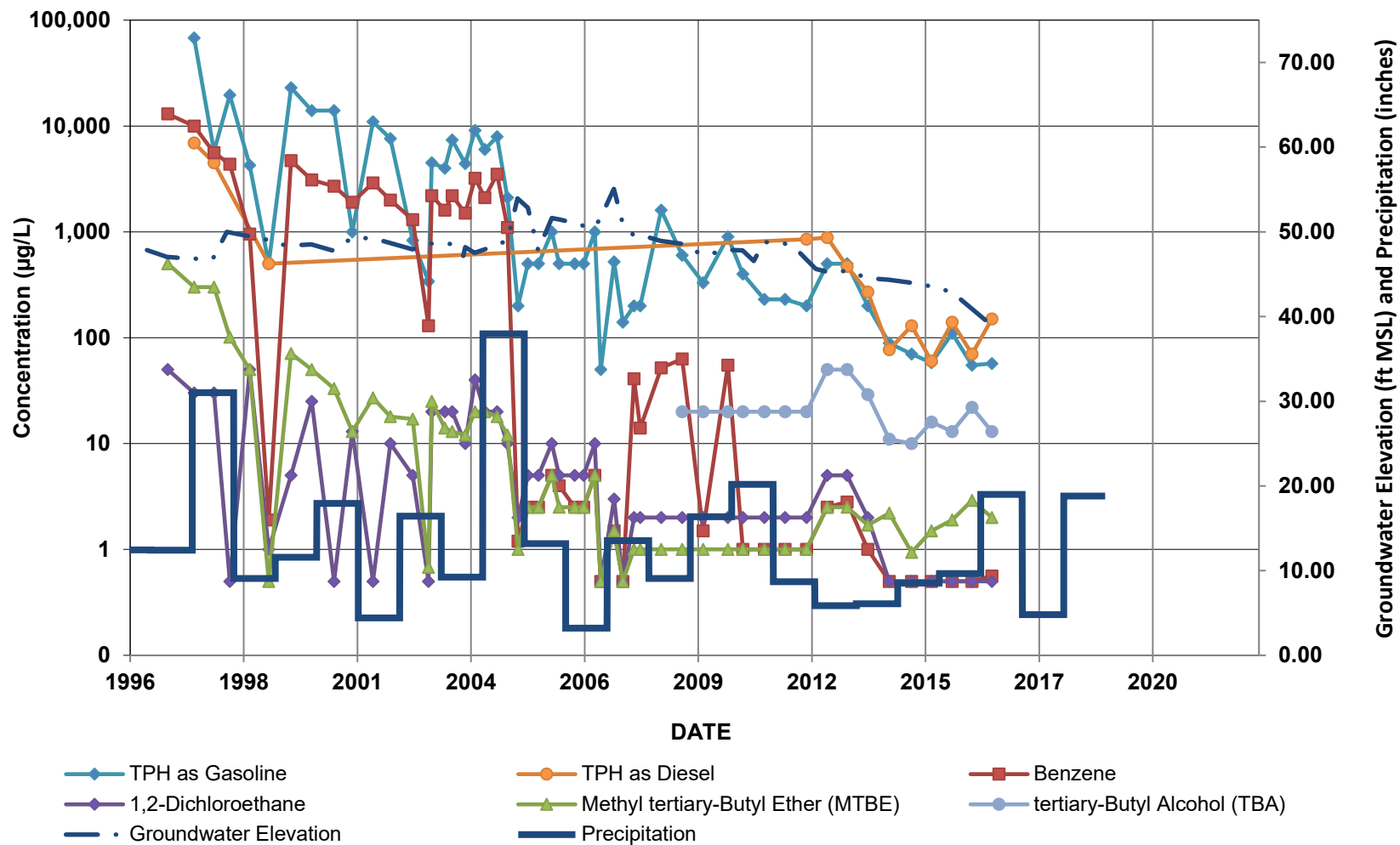


Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

FORMER TRUCK-FUELING AREA

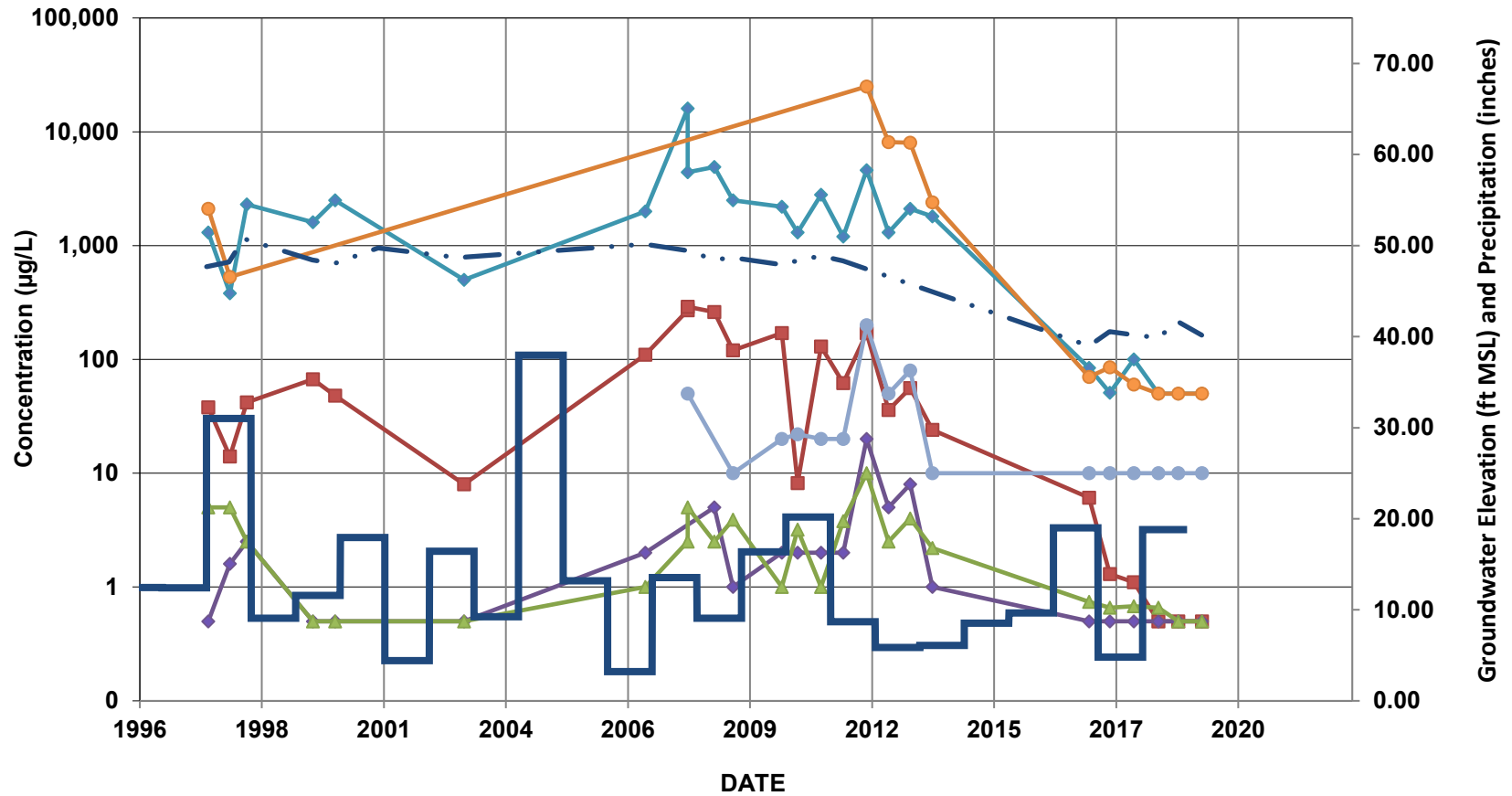
GMW-1, GMW-4, GMW-10, AND MW-15

GMW-1



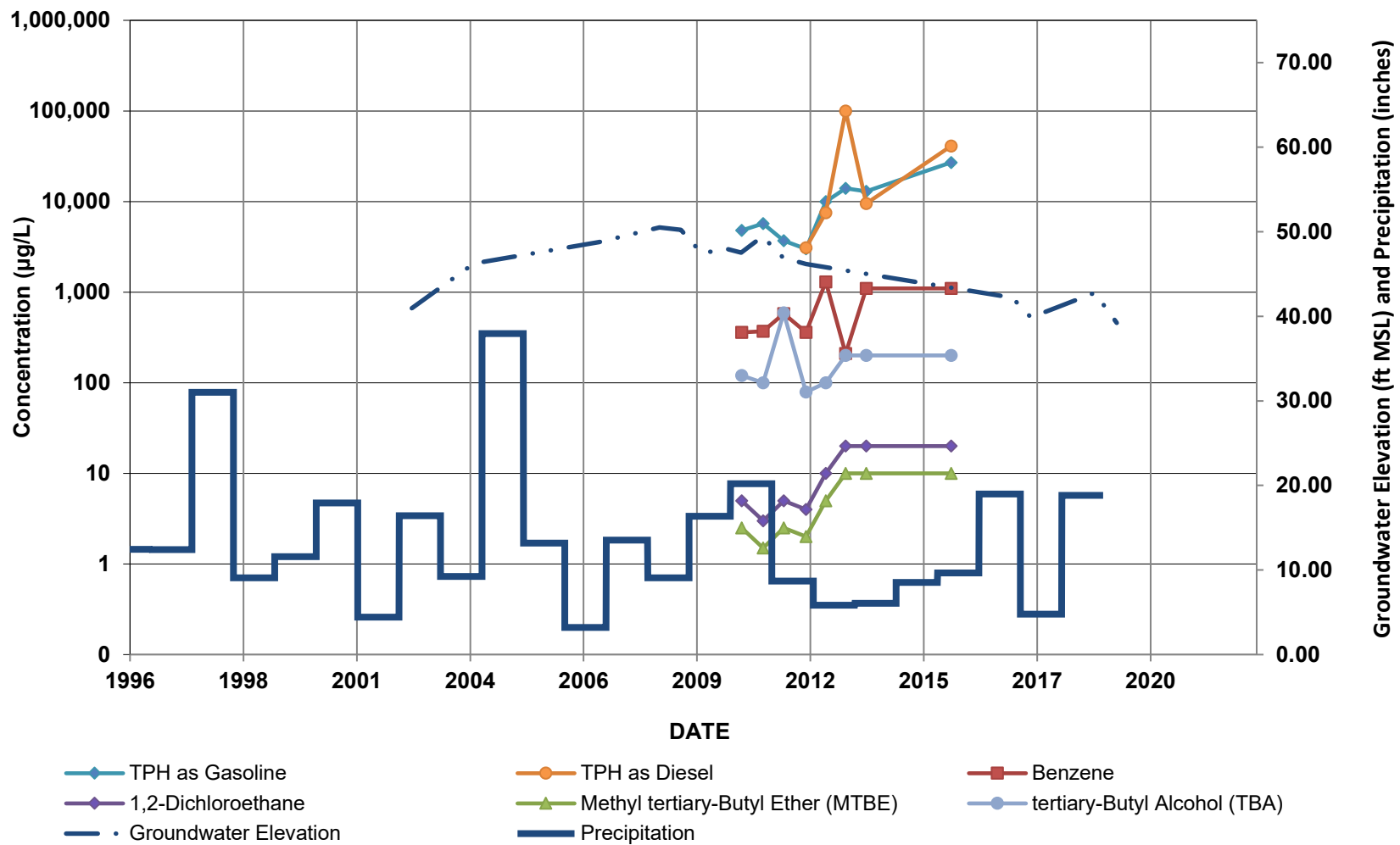
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

GMW-4/GMW-4R



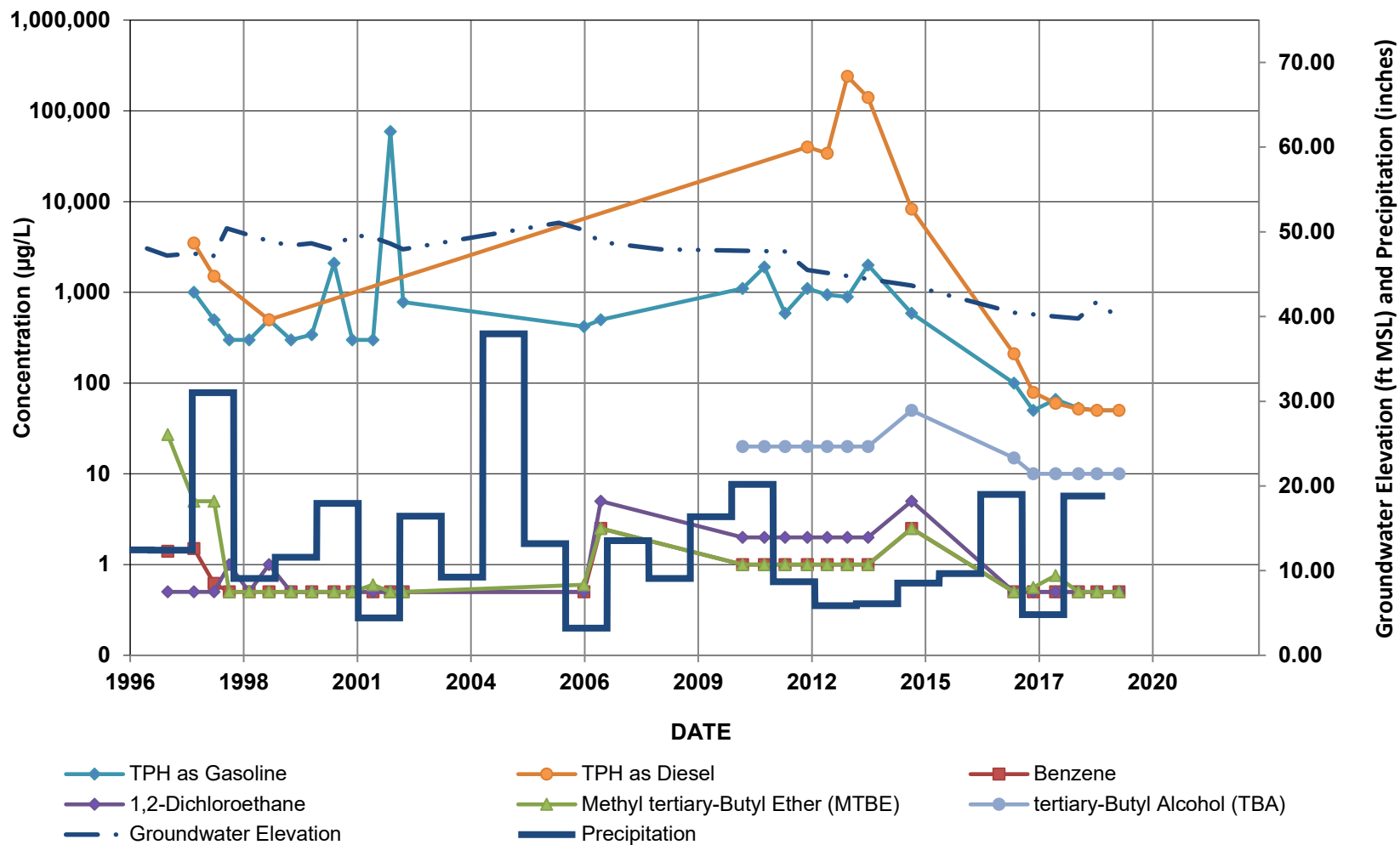
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

GMW-10



Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

MW-15/MW-15R

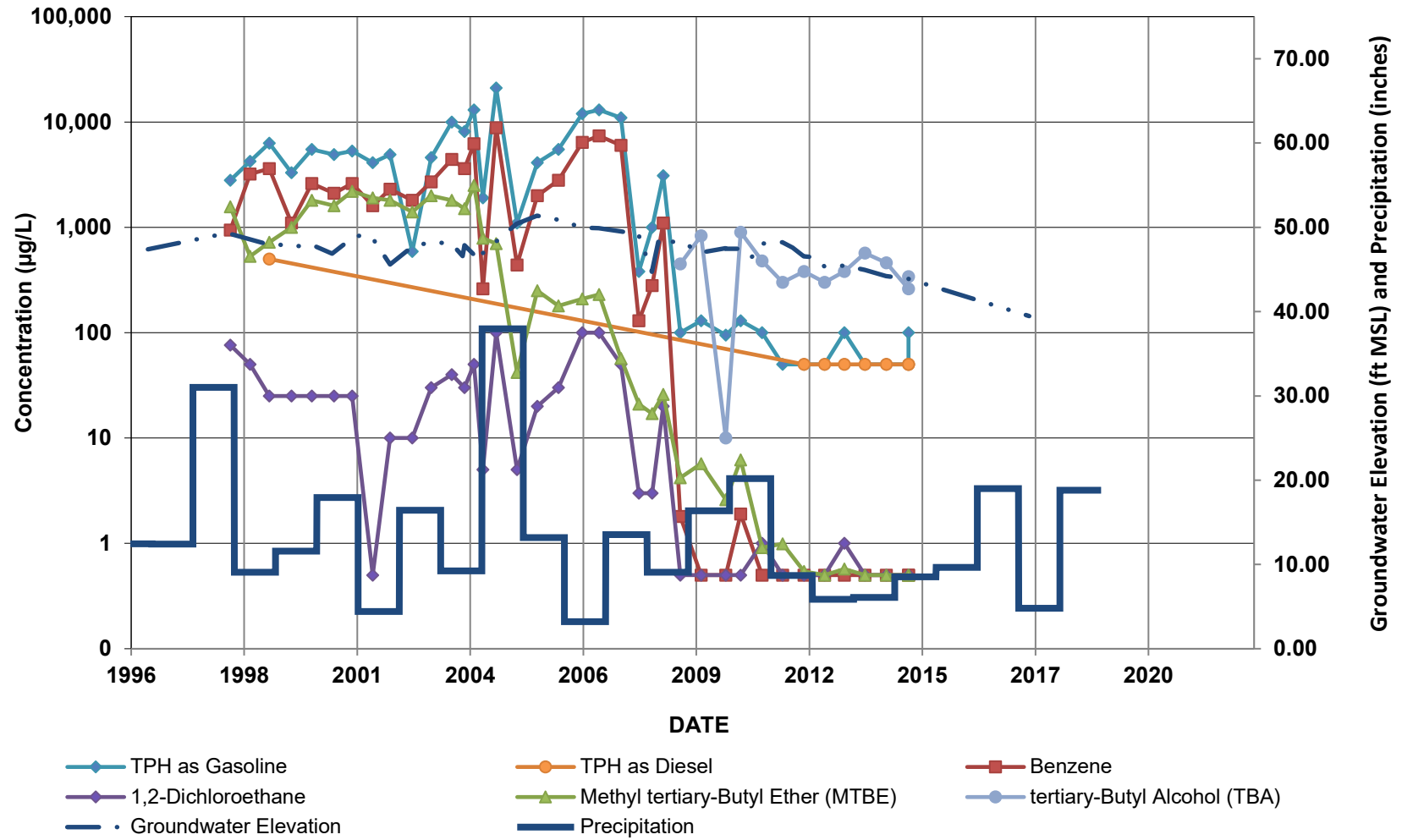


Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

SOUTH-CENTRAL AREA

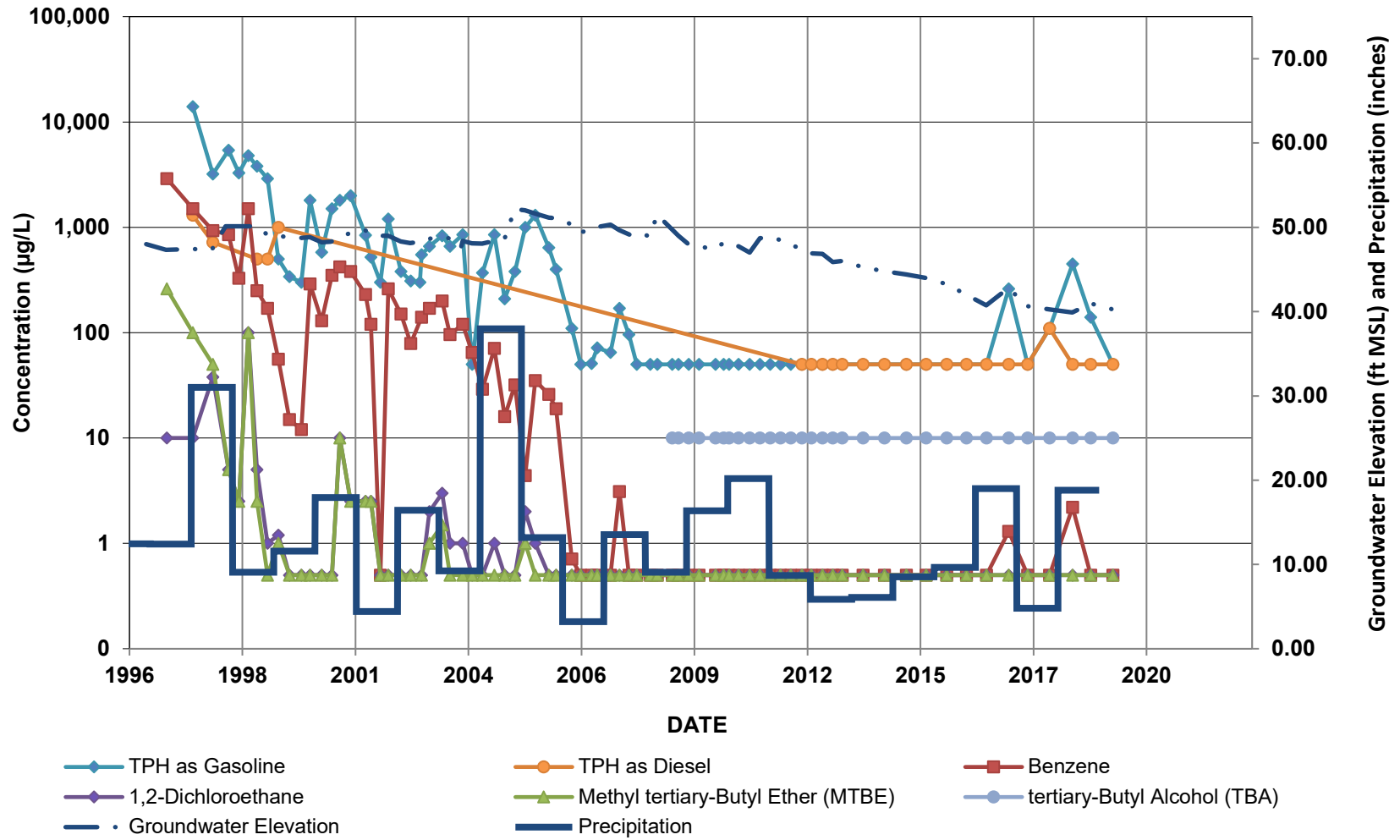
**GMW-27, GMW-O-3, GMW-O-5, GMW-O-9, GMW-O-10, GMW-O-14, GWR-1, HL-2, MW-7,
MW-20(MID), MW-SF-1, AND MW-SF-9**

GMW-27/GMW-27R



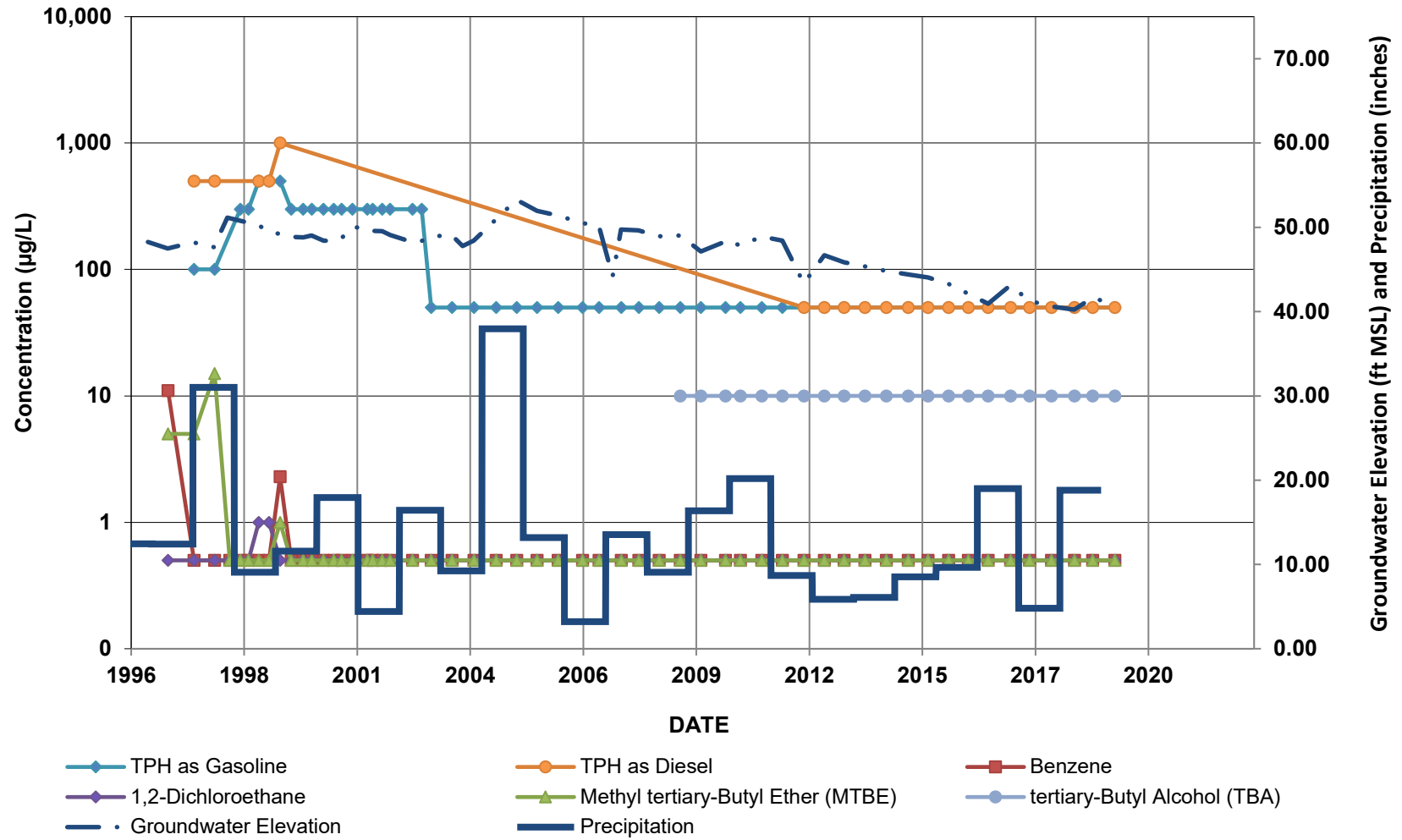
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

GMW-O-3



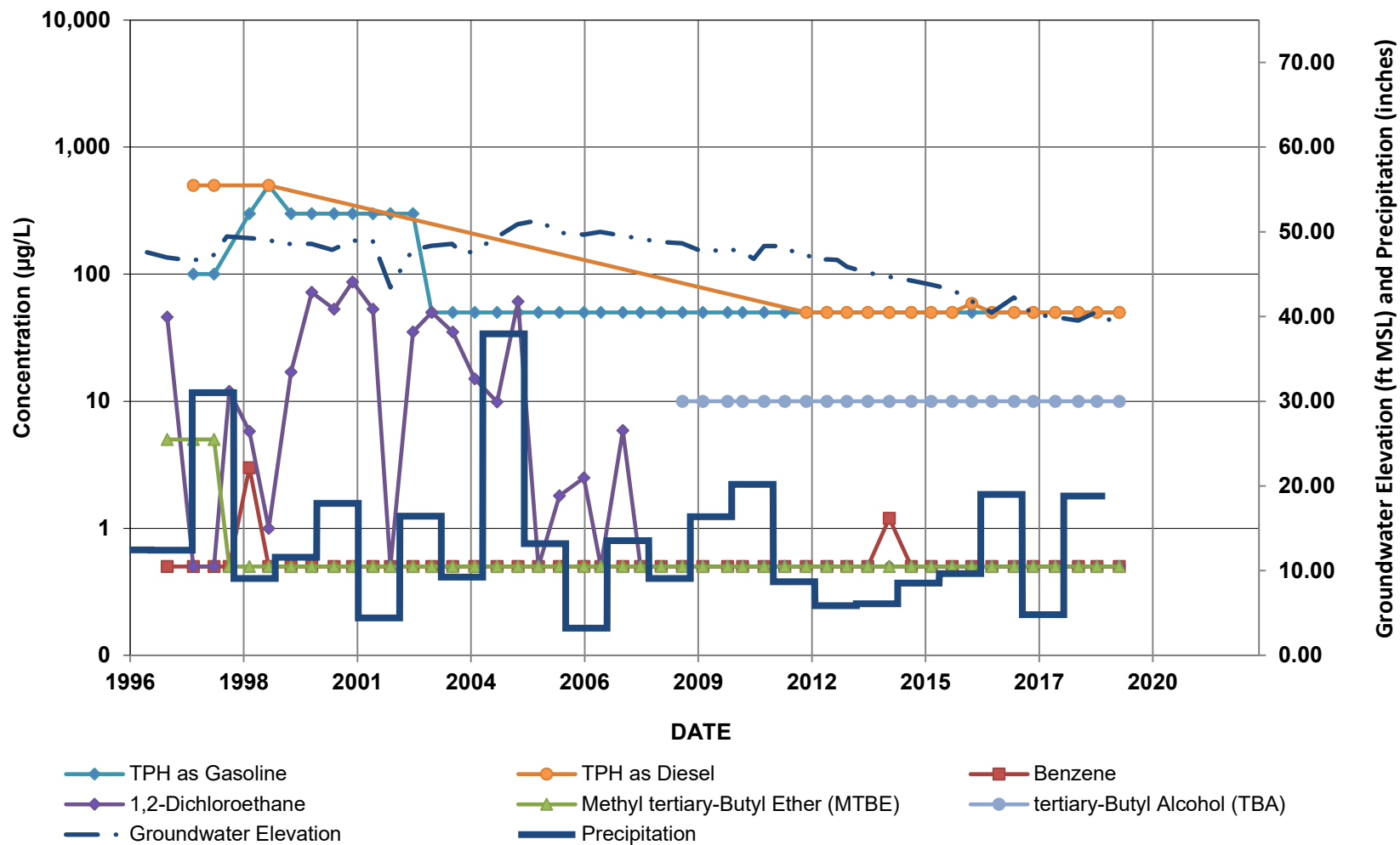
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

GMW-O-5



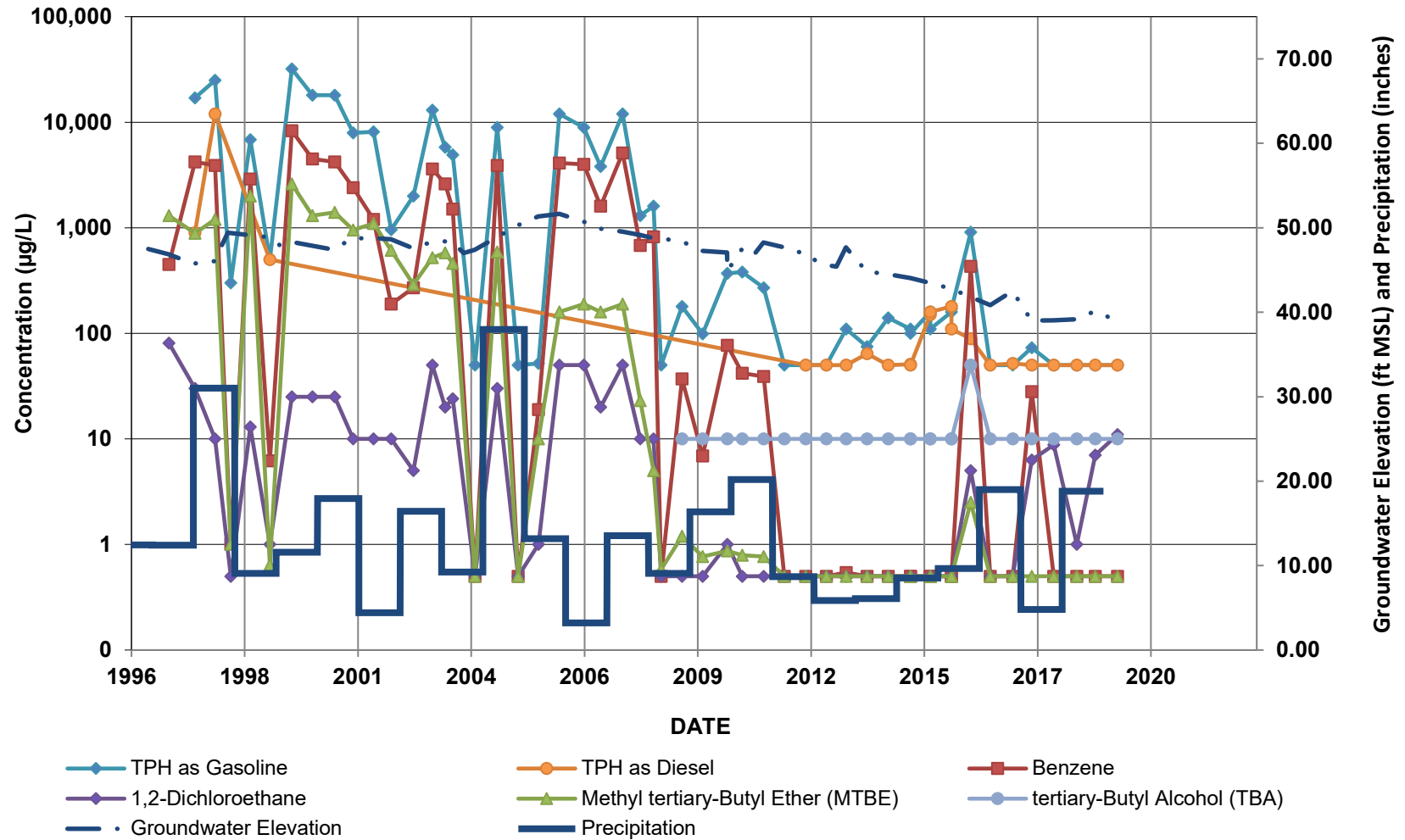
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

GMW-O-9



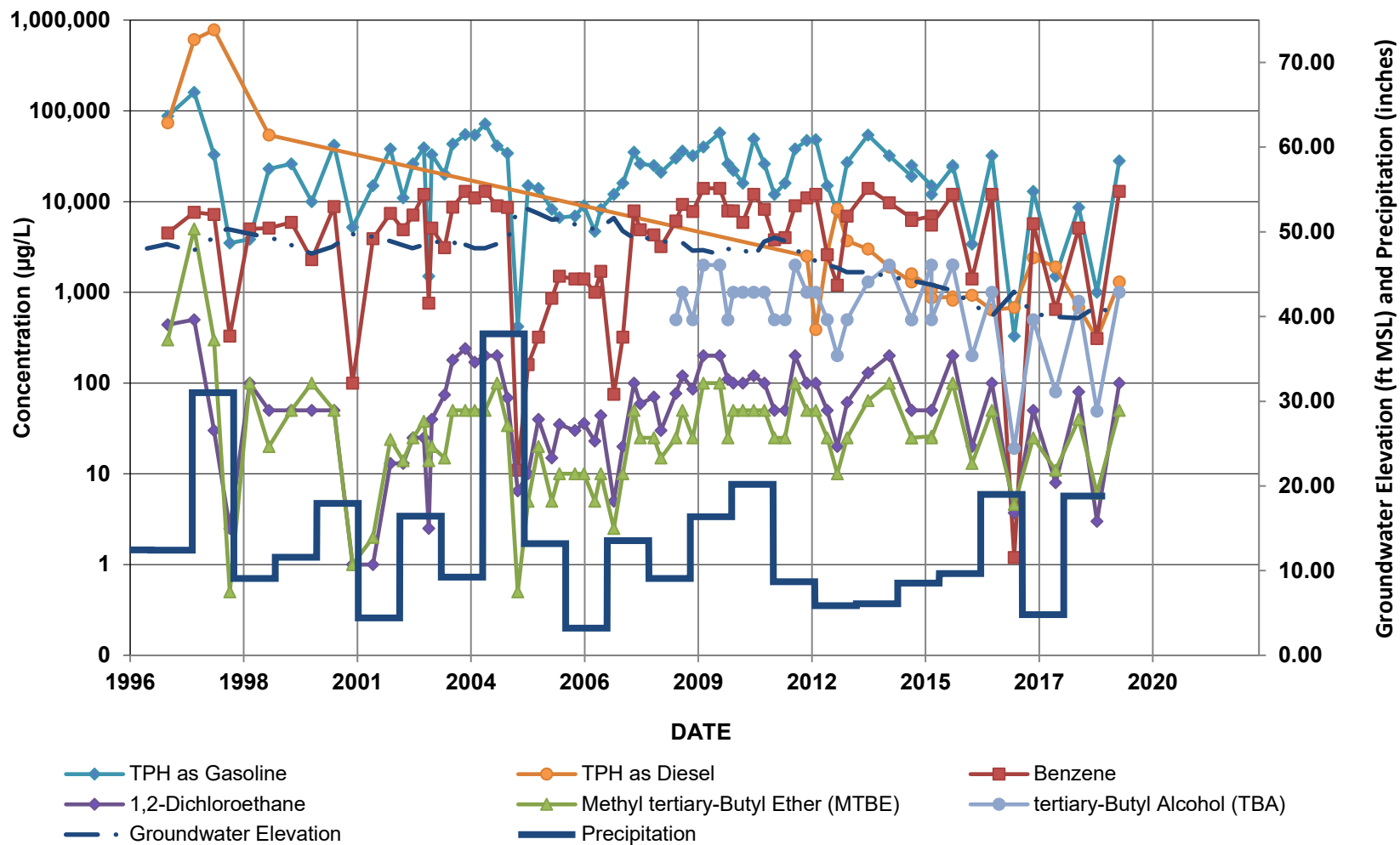
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

GMW-O-10



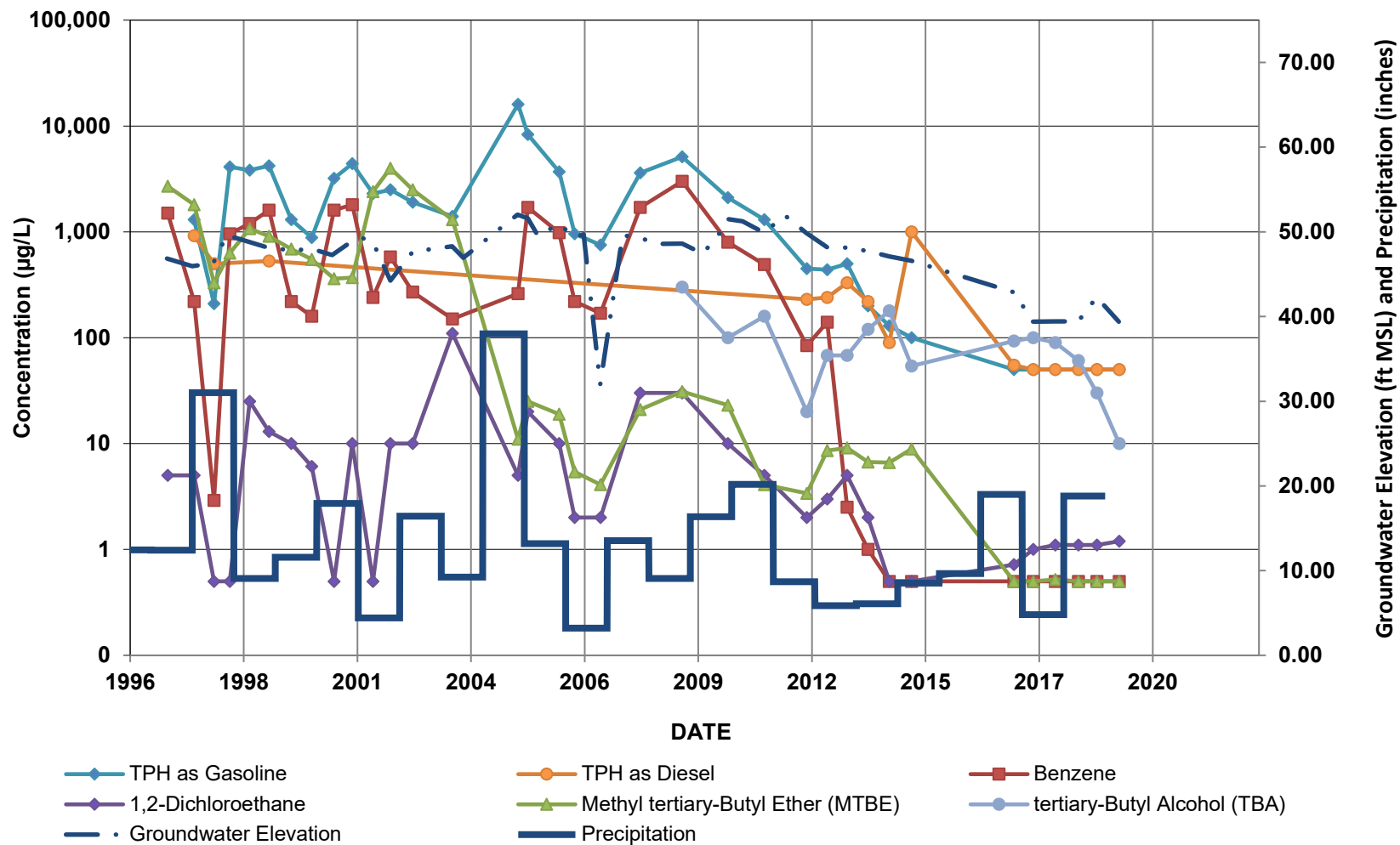
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

GMW-0-14



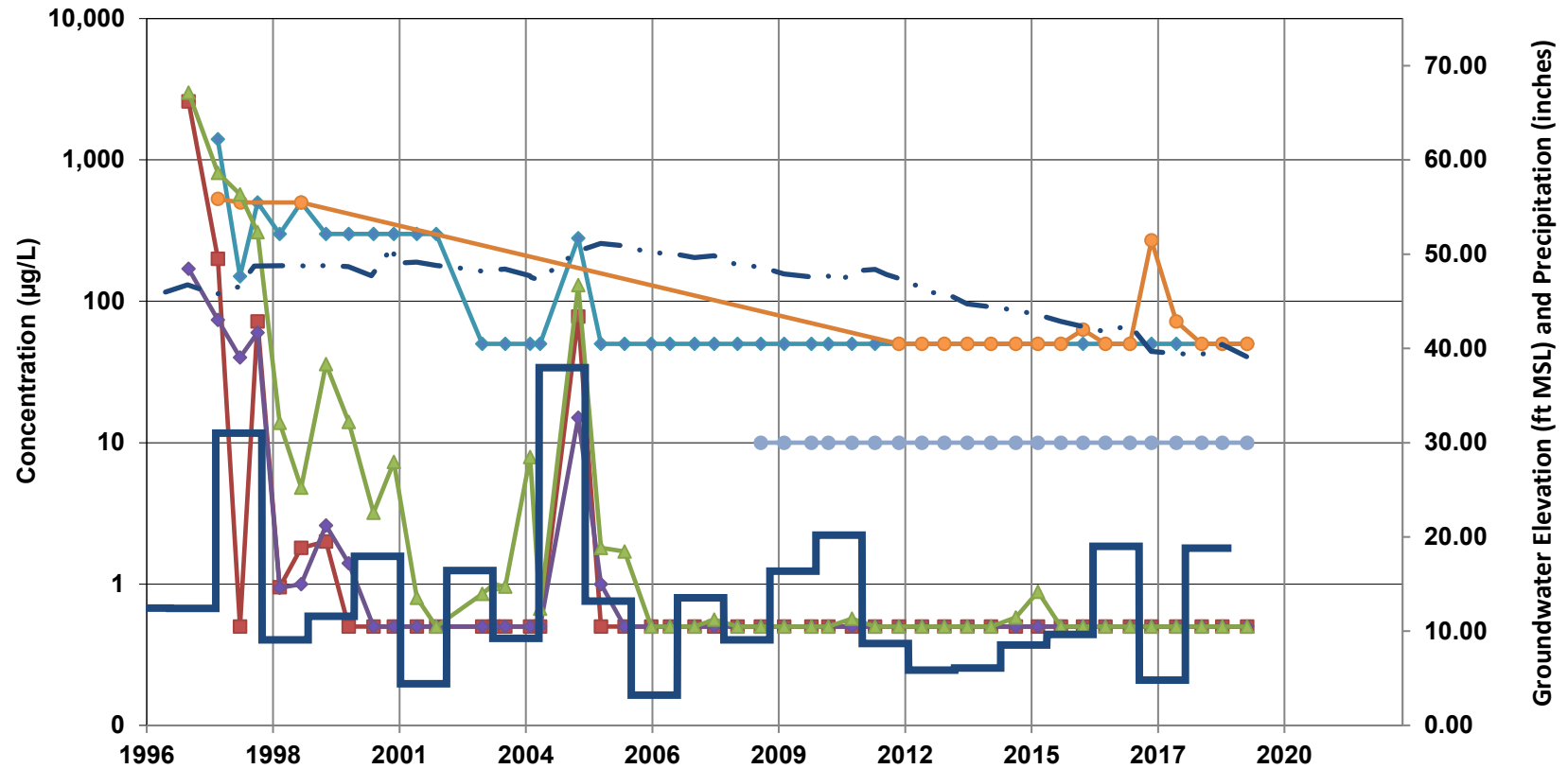
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

GWR-1/GWR-1R



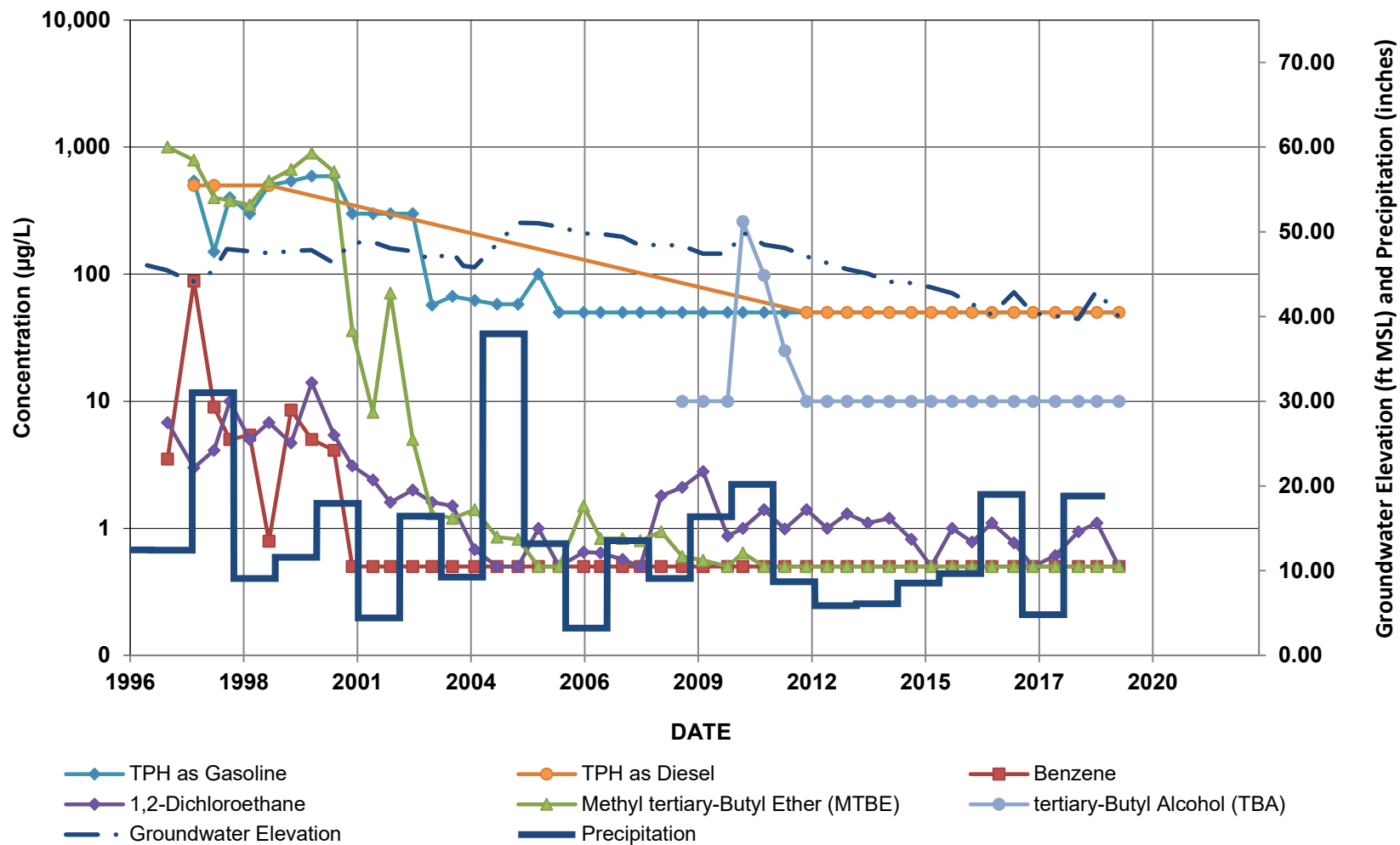
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

HL-2



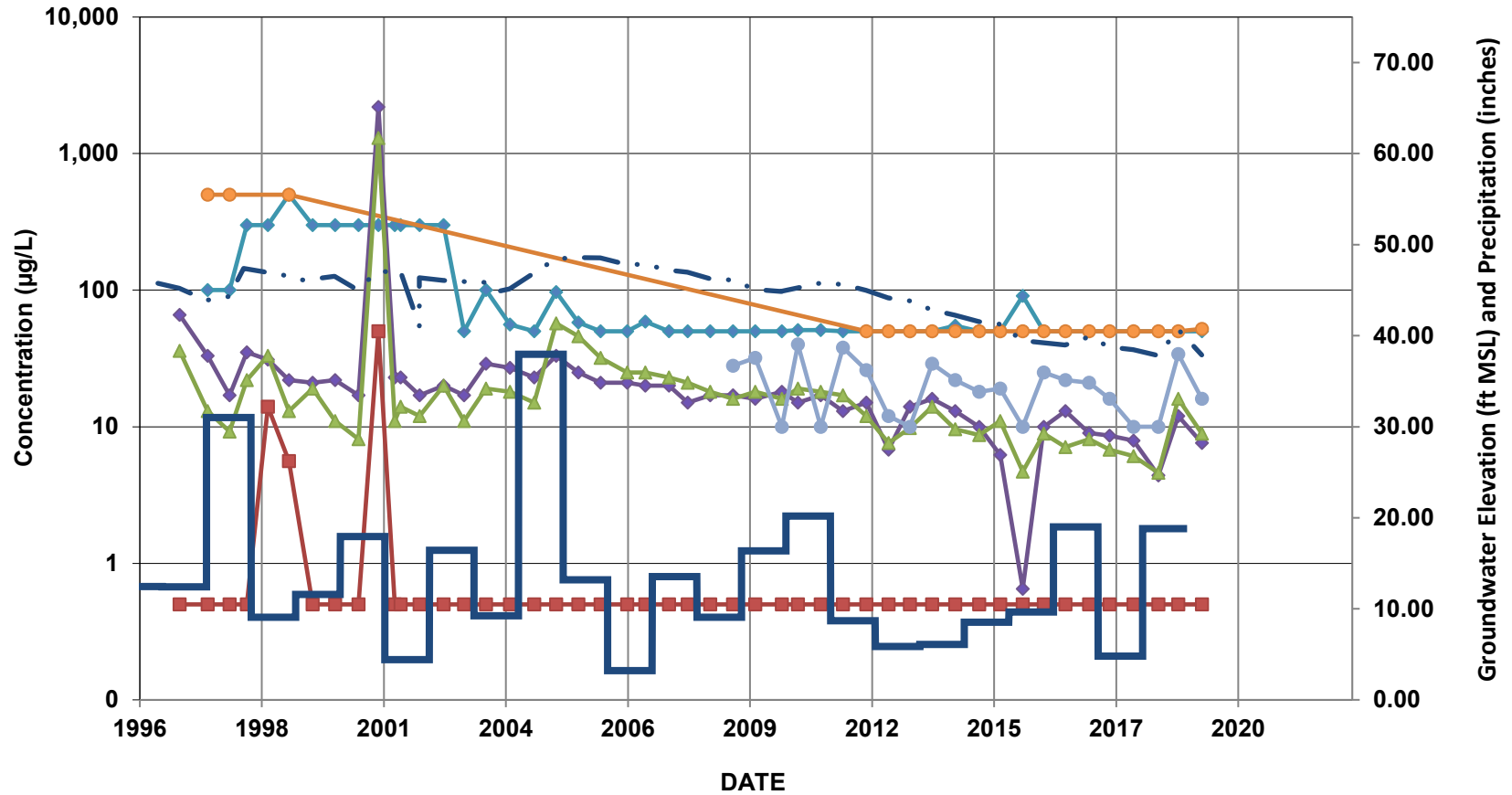
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

MW-7



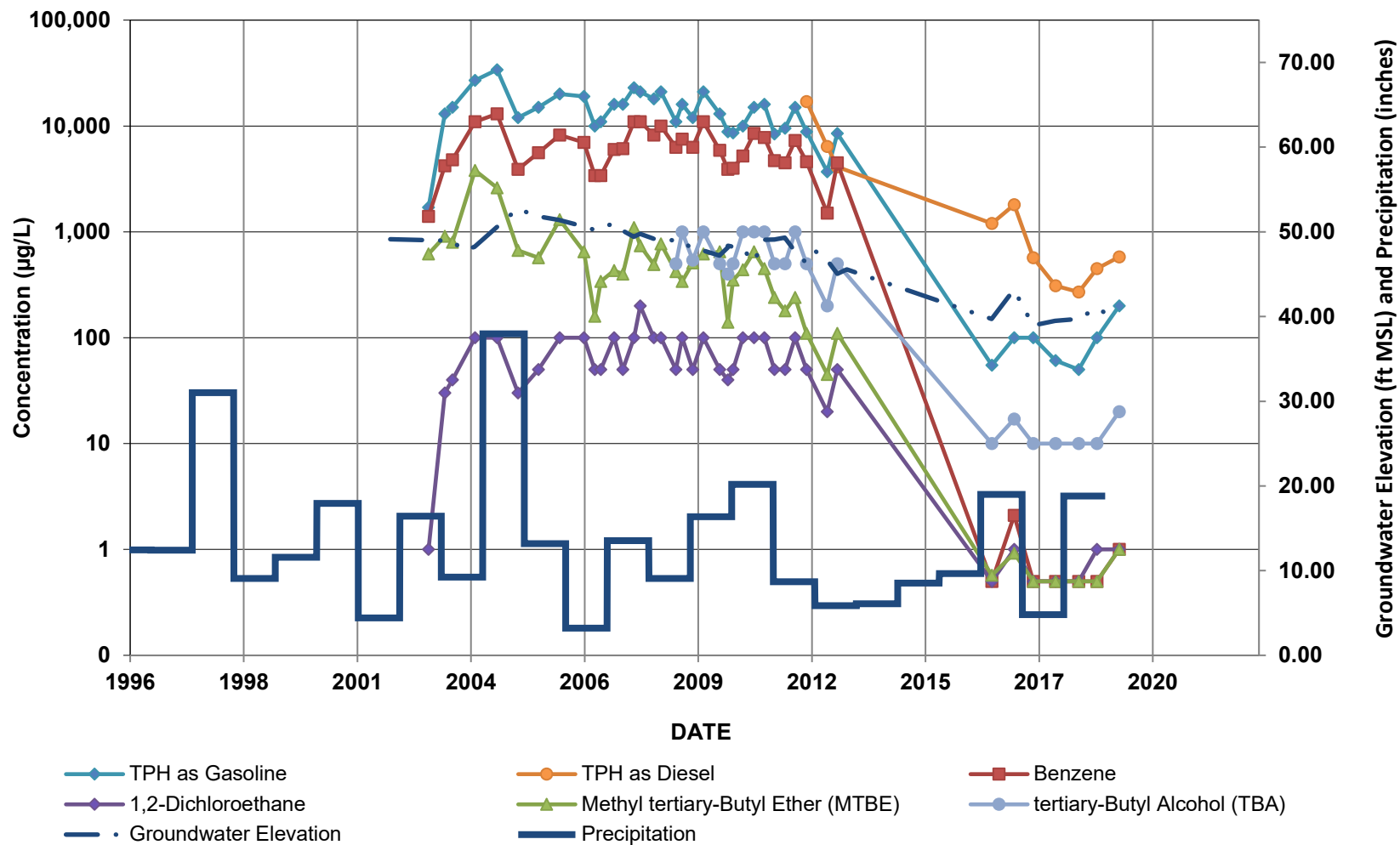
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

MW-20(MID)



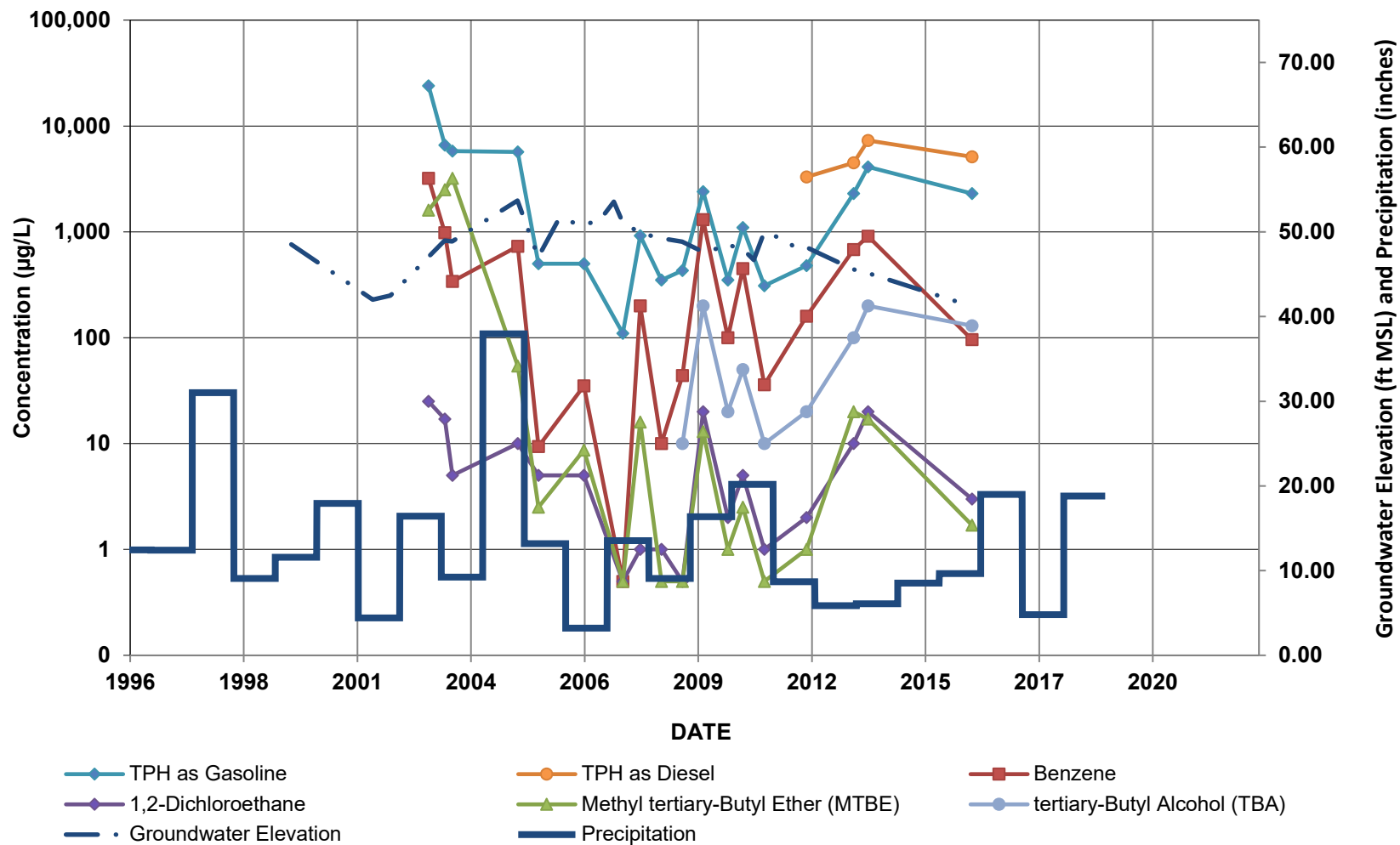
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

MW-SF-1



Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

MW-SF-9

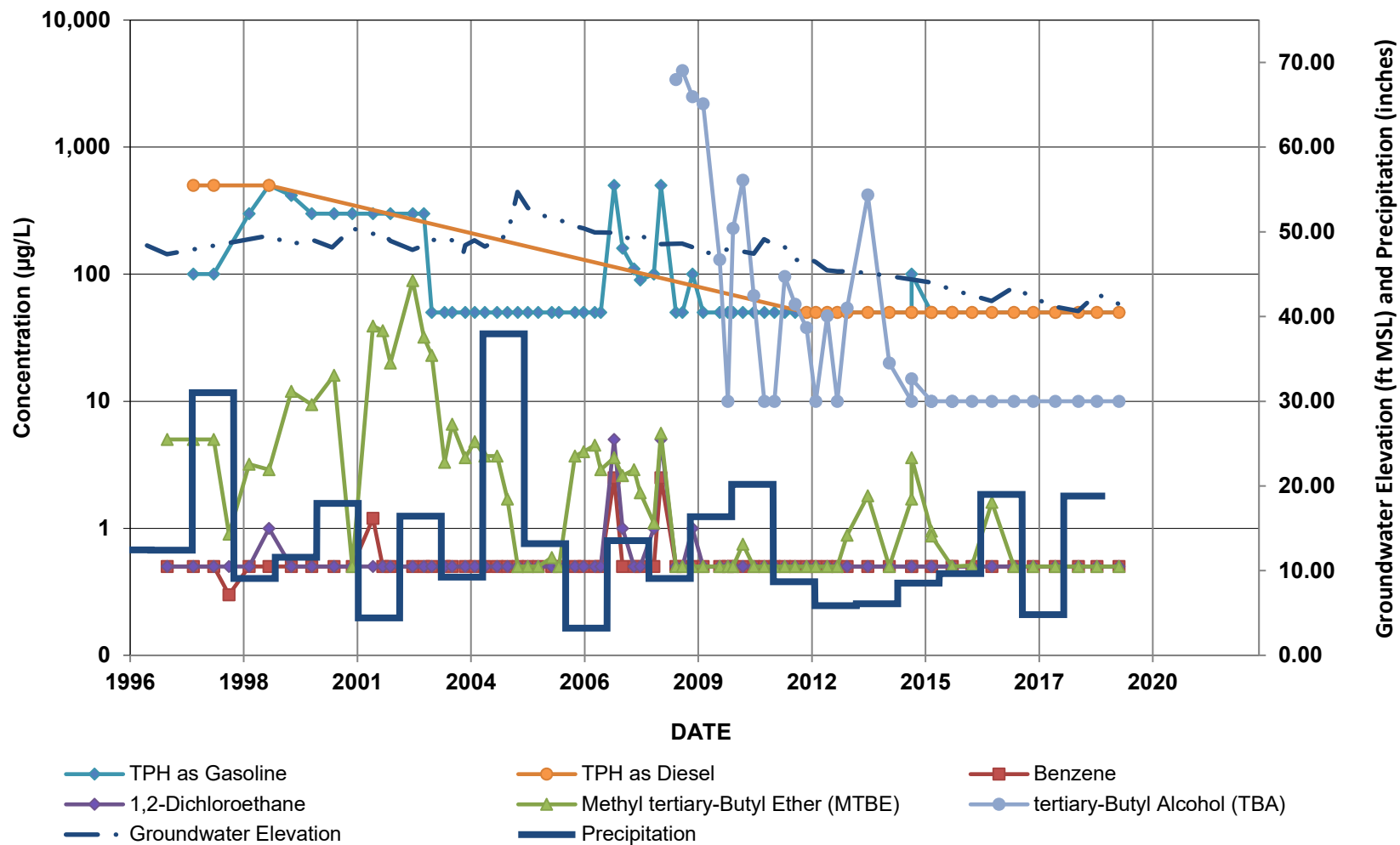


Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

SOUTHEASTERN 24-INCH BLOCK VALVE AREA

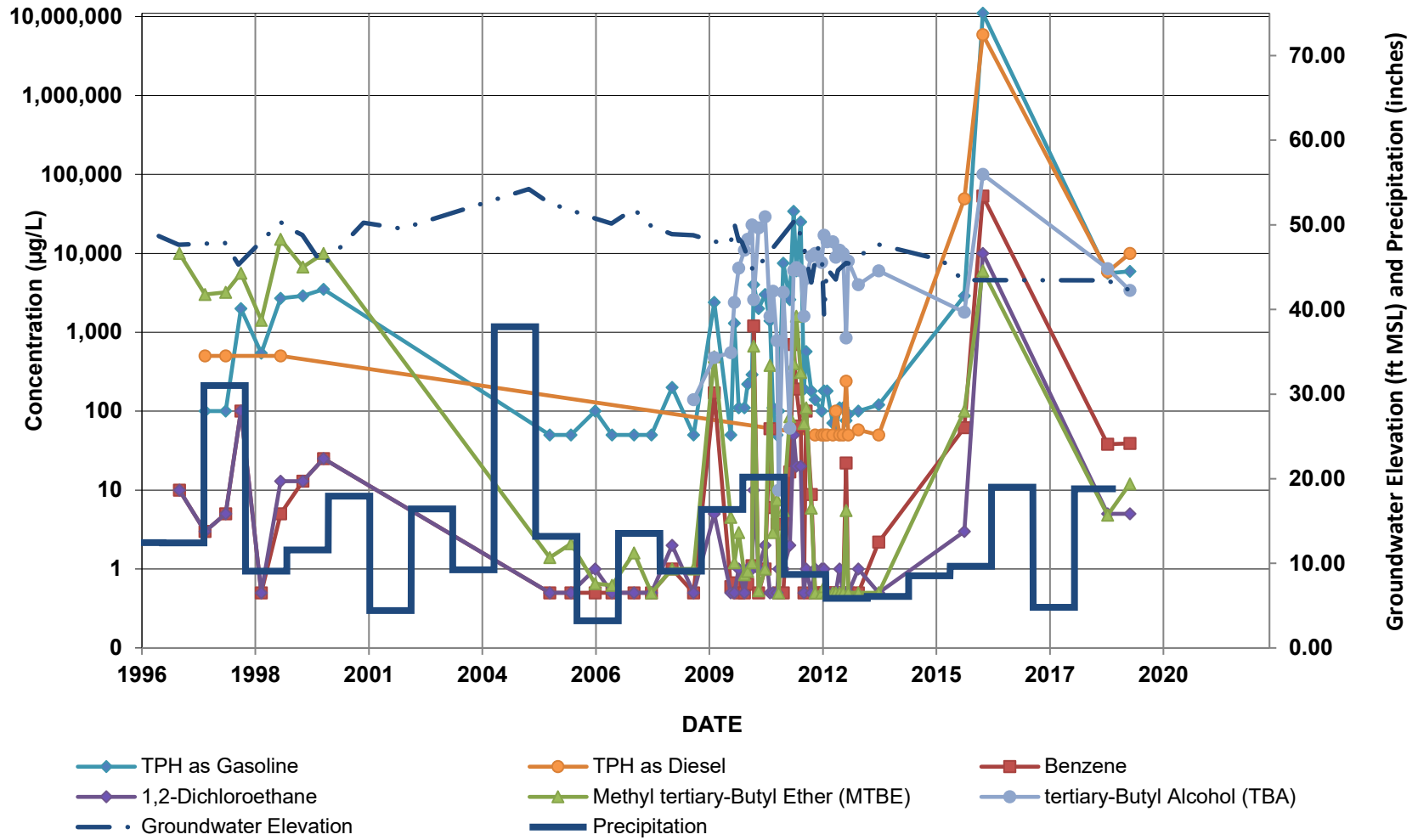
GMW-39, GMW-O-18, MW-8, AND PZ-5

GMW-39



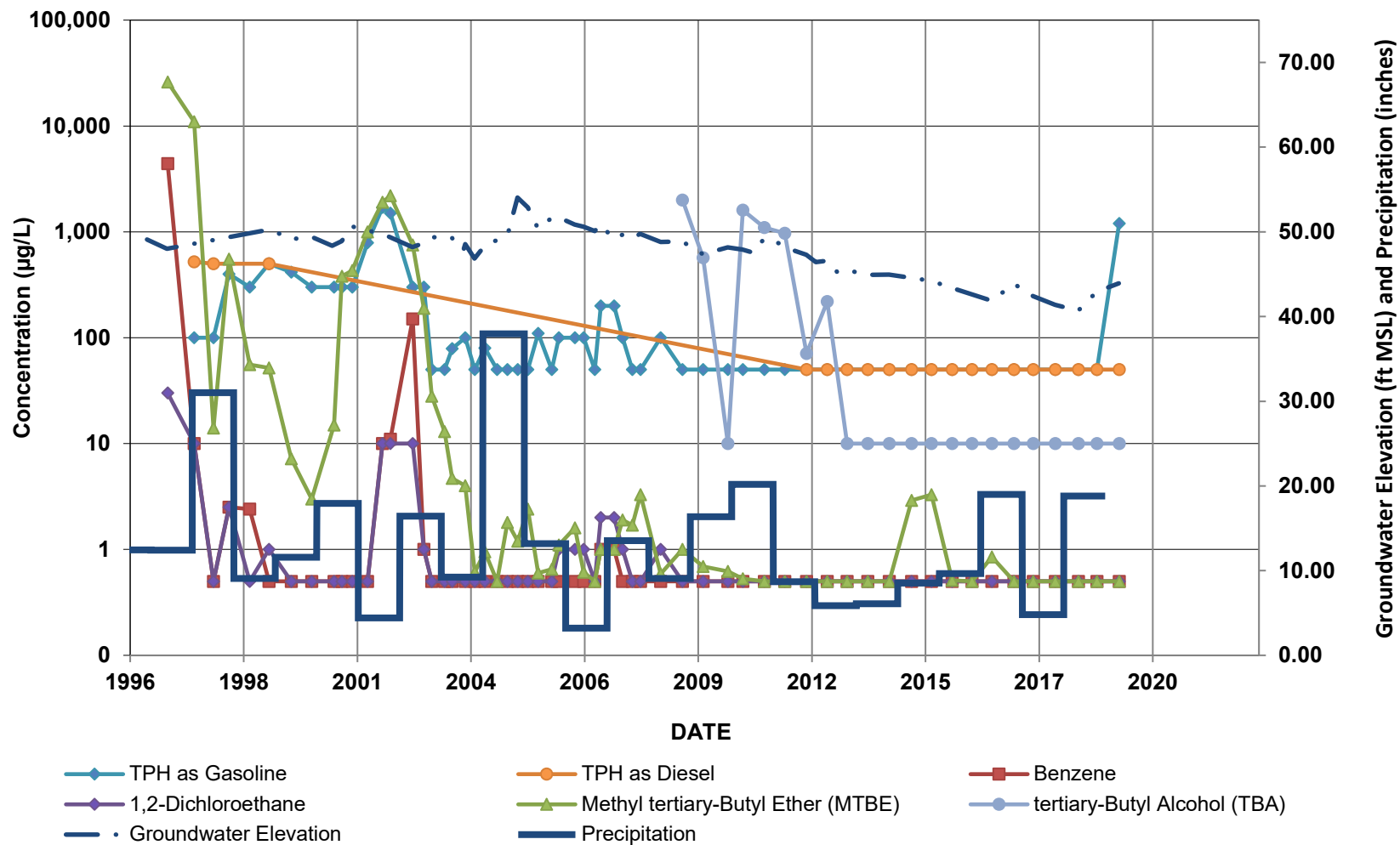
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

GMW-0-18



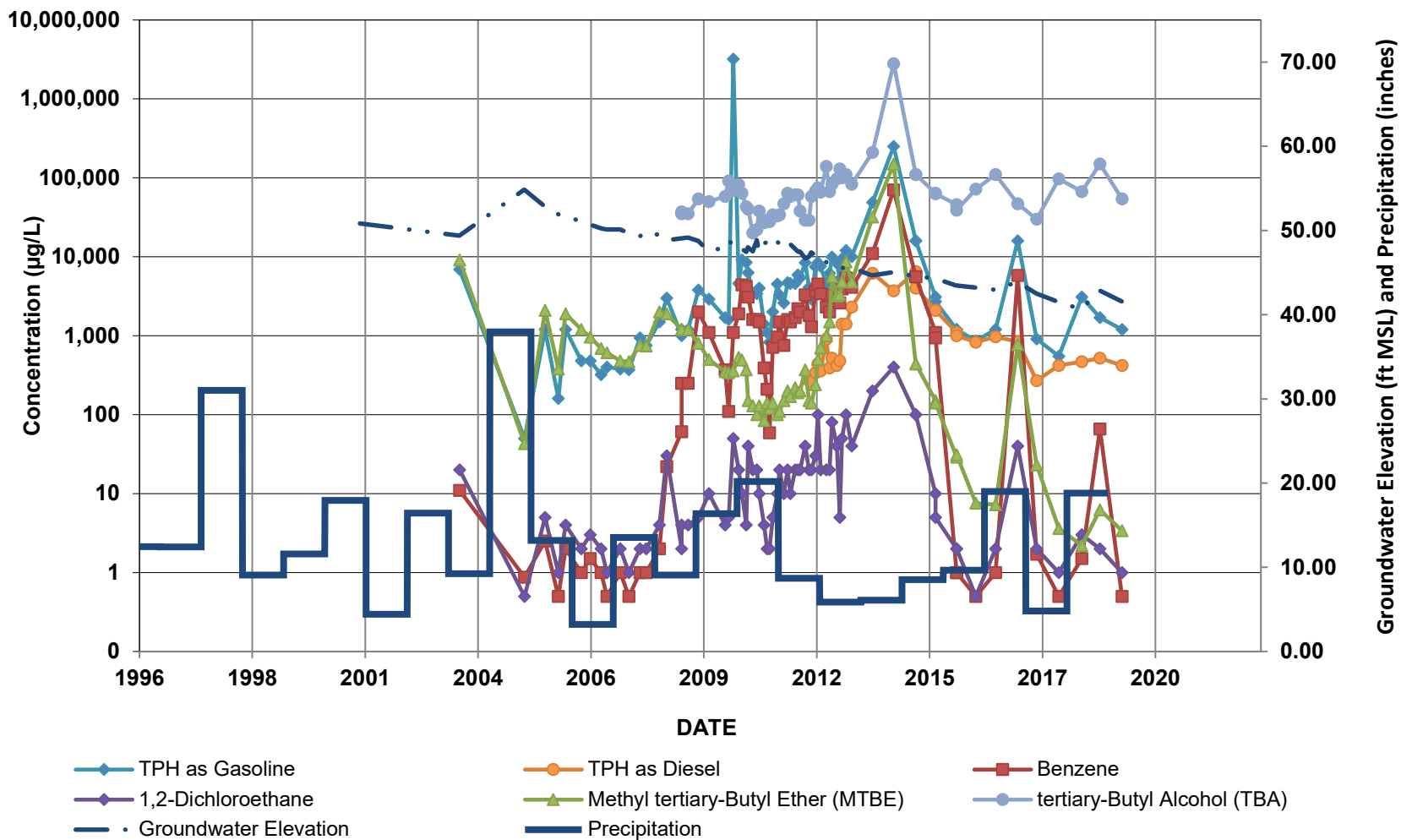
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

MW-8



Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

PZ-5



Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)