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Report Type:	Monitoring Report - Other
Report Date:	1/24/2017
Facility Global ID:	SLT43185183
Facility Name:	Norwalk, Fuel Terminal DFSP - DOD - NORWALK DFSP
File Name:	Second Semiannual 2015 Groundwater Monitoring and Sampling Report - DFSP Norwalk.pdf
Organization Name:	The Source Group, Inc.
Username:	SIGNAL HILL
IP Address:	66.214.148.134
Submittal Date/Time:	1/24/2017 3:36:33 PM
Confirmation Number:	4866346895

DEFENSE LOGISTICS AGENCY
INSTALLATION SUPPORT FOR ENERGY
8725 JOHN J. KINGMAN ROAD
FT. BELVOIR VIRGINIA 22060-6221

January 24, 2017

Mr. Paul Cho
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 2016 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 October 2016.

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,

William Y Potter

Digitally signed by
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Date: 2017.01.24 14:51:17
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William Y. Potter
Chief, Restoration Branch

Enclosure
As stated

cc:
Carol Devier-Heeney, DLA
Daniel Swensson, P.G., Senior Geologist, The Source Group, Inc.

SECOND SEMIANNUAL 2016 GROUNDWATER MONITORING AND SAMPLING REPORT

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard
Norwalk, California 90650

SPO600-14-D-5410

Delivery Order 018

Prepared For:

Defense Logistics Agency – Energy
8725 John J. Kingman Drive
Fort Belvoir, Virginia 22060-6222

Prepared By:

SGI environmental THE SOURCE GROUP, INC.
1962 Freeman Avenue
Signal Hill, California 90755

PROFESSIONAL GEOLOGIST
Daniel Swensson
No. 7082
STATE OF CALIFORNIA

January 24, 2017

Prepared By:

Daniel Swensson

Daniel Swensson
Senior Geologist
Professional Geologist No. 7082

Reviewed By:

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.
Blaine Tech	Blaine Tech Services, Inc.
BTEX compounds	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 Support for Energy
1,2-DCA	1,2-dichloroethane
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.
LDPE	low-density polyethylene
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	Regional Water Quality Control Board
SFPP	Santa Fe Pacific Pipeline, L.P.
SGI	The Source Group, Inc.
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
VOA	volatile organic analysis
VOCs	volatile organic compunds

1.0 INTRODUCTION

The Source Group, Inc. (SGI), prepared this groundwater monitoring report on behalf of the Defense Logistics Agency Installation Support 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 2016 groundwater monitoring and sampling event conducted at the Defense Fuel Support Point (DFSP) Norwalk (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, September 2013) and SFPP (CH2M, May 2013). The 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 CH2M 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 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 SFPP and DLA. During these investigations, wells were installed for monitoring and as components of remediation activities. Table 1 presents a summary of 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 compounds); 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.

This report furnishes information pertaining to the second semiannual 2016 groundwater monitoring event. This report includes groundwater gauging and sampling data from selected wells throughout the DFSP Norwalk facility and from wells located off site to the south, east, and west, 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 the majority of the SFPP wells were gauged by Blaine Tech on October 3, 2016. Remediation extraction wells GMW-O-11 and GMW-O-15 were gauged by KMEP personnel on October 6 and October 4, 2016, respectively. Extraction well GMW-O-18 was gauged by KMEP personnel on December 13, 2016. GMW-O-18 could not be gauged sooner due to the presence of a stuck pump. The wells were purged and sampled from October 3 to October 11, 2016. During this semiannual sampling event, liquid levels were measured in 147 wells and groundwater samples were collected for analysis from 107 wells. Including duplicate and split samples, a total of 125 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). 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. 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 of the California Department of Public Health. 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.

Before sampling, the majority of the wells were purged using low-flow purge techniques. Flowrates ranged from approximately 0.053 to 0.139 gallons per minute (gpm; approximately 200 to 526 milliliters per minute [mL/min]), averaging 0.108 gpm (411 mL/min). No-purge samples were collected from two wells with insufficient groundwater for purging (MW-SF-4 and MW-SF-15). 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 0.79 and 2.50 gallons (3,000 to 9,464 milliliters) were pumped from each well prior to sampling. Samples for SFPP were collected using a 2-inch-diameter submersible Grundfos pump with new or dedicated tubing, whereas samples for DLA were collected using a 2-inch-diameter Monsoon submersible pump with new low-density polyethylene (LDPE) tubing used for each well. Field documentation is provided in Appendix A.

Groundwater field parameters were allowed to stabilize before collecting the sample. Water samples to be analyzed for TPHg, TPHd (SFPP samples only), and volatile organic compounds (VOCs) were collected in 40-milliliter volatile organic analysis (VOA) vials containing hydrochloric acid preservative, filled to zero headspace, and sealed with Teflon septa and airtight caps. DLA water samples for analysis of TPHd were collected in 250-milliliter 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 Analytical 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 section. DLA's and SFPP's remediation systems were shut down approximately one week prior to the second semiannual 2016 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; groundwater elevation contours for the deeper Exposition Aquifer are shown on Figure 3. The distribution of floating product and measured product thicknesses 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 measureable 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
- Four wells with groundwater elevations that appear anomalous based upon comparison with surrounding groundwater elevations (GMW-O-10, GMW-O-21, HL-2, and MW-9).

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

3.1 Groundwater Gradient Conditions

3.1.1 Uppermost Groundwater Zone

Depth to groundwater (excluding wells containing measureable floating product and Exposition Aquifer wells) in the uppermost groundwater zone ranged from 28.10 to 41.05 feet below the tops of the well casings. Groundwater elevations in these wells ranged from 34.74 to 43.04 feet above mean sea level (MSL). Since the April 2016 monitoring event, groundwater elevations dropped an average of 0.93 foot in uppermost groundwater zone wells that did not contain floating product. Changes in elevation ranged from a decrease of 7.63 feet in MW-19(MID) to an increase of 0.68 foot in GMW-15.

The groundwater potentiometric surface is depicted on Figure 2. Based upon the gauging data collected on October 3, 2016, the groundwater surface is generally characterized by a groundwater depression in the south-central area with gradients converging toward this depression. The depression is related to ongoing biosparge operations in this portion of the Site. A groundwater depression was also interpreted in the northeastern area based upon the relatively lower elevation in groundwater extraction well GW-15. Groundwater mounding was indicated in the southeastern area in the vicinity of GMW-37, in the northeastern area in the vicinity of GMW-59 and GMW-61, and in the northwestern area based upon relatively higher elevations in monitoring wells MW-6, MW-14, and off-site well WCW-7. Gradients ranged from approximately 0.002 to 0.029 feet per foot (ft/ft).

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. During this monitoring event, the groundwater surface was generally characterized by low gradients in the central tank farm area with gradients converging toward the Site from the northwest, west, southwest, south, southeast, east, and northeast.

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 well pairs MW-21(MID) and HL-3]. Groundwater elevations in these five "MID" wells ranged from 34.74 to 39.78 feet above MSL.

3.1.2 Exposition Aquifer

Depth to groundwater in the Exposition Aquifer wells ranged from 55.40 to 62.18 feet below the tops of the well casings. Groundwater elevations in the Exposition Aquifer wells ranged from approximately 17.01 to 17.55 feet above MSL. Since the April 2016 monitoring event, groundwater elevations dropped an average of 1.98 feet in the Exposition Aquifer wells. Decreases in elevation ranged from approximately 1.75 feet in EXP-2 to 2.41 feet in EXP-4.

The groundwater potentiometric surface for the Exposition Aquifer is shown on Figure 3. The groundwater gradient in the Exposition Aquifer is generally toward the southeast beneath the Site at approximately 0.0003 ft/ft and toward the northwest off site to the northwest. During recent monitoring events, the groundwater gradient in the Exposition Aquifer was generally toward the southeast.

3.2 Distribution of Floating Product

Floating product was measured or observed in 16 of the 147 wells that were gauged during this monitoring event:

- North-central area: GMW-18, PZ-3, TF-16, TF-18, and TF-23;
- Eastern area: GMW-62 and GMW-68;
- South-central area: GMW-10, GMW-29, GMW-O-11, GMW-O-12, GWR-3, and MW-O-2; and
- Southeastern area: GMW-36, GMW-O-15, and GMW-O-18.

Measured product thicknesses ranged from 0.01 foot in GMW-62 and GMW-O-11 to 4.94 feet in GMW-O-18. Measured product thicknesses, well gauging data, and groundwater elevations are summarized in Table 2. The detection of floating product in these wells during this sampling 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 4 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 2016) and two previous monitoring events (October 2015 and April 2016) are shown on Figure 4.

The databoxes on Figure 4 are color-coded to indicate whether the product thicknesses measured during the October 2016 semiannual event are increasing, decreasing, or stable as compared with the product thicknesses measured in October 2015. 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.

Since the previous monitoring event in April 2016, measured product thicknesses increased in eight wells (GMW-36, GMW-68, GMW-O-15, GMW-O-18, GWR-3, PZ-3, TF-16, and TF-23), decreased in ten wells (GMW-10, GMW-22, GMW-23, GMW-29, GMW-O-11, GMW-O-12, GMW-O-21, GW-15, MW-O-2, and TF-18), and remained the same in GMW-62. Changes in measured product thickness ranged from a decrease of 4.19 feet in GMW-O-12 to an increase of 4.94 feet in GMW-O-18. Overall, product thicknesses decreased by an average of 0.005 foot since April 2016. Floating product was not present GMW-22 (reported to contain 3.09 feet in April 2016), GMW-23 (reported to contain 0.02 foot in April 2016), GMW-O-21 (reported to contain 0.33 foot in April 2016), and GW-15 (reported to contain 0.07 foot in April 2016). Floating product was measured in five wells that did not contain measureable product in April 2016 (3.00 feet, measured thickness, in GMW-68; 0.08 foot, measured thickness, in GMW-O-15; 4.94 feet, measured thickness, in GMW-O-18; 0.05 foot, measured thickness, in GWR-3; and 0.77 foot, measured thickness, in PZ-3). Areas impacted with floating product are shown on Figure 4.

Floating product was present in the north-central area in GMW-18, PZ-3, TF-16, TF-18, and TF-23. During the current monitoring event, the historical maximum product thickness was recorded in TF-23 (0.39 foot, measured thickness). The measured product thicknesses recorded in this area during the current monitoring event ranged from 0.77 foot in PZ-3 to 3.39 feet in TF-16. The north-central floating product plumes are interpreted as isolated or separate plumes.

In the eastern area, floating product plume was measured in GMW-62 (0.01 foot, measured thickness), and GMW-68 (3.00 feet, measured thickness). This is the first time floating product was detected in GMW-68. Approximately 3.5 gallons of floating product were bailed from GMW-68 on October 5, 2016. Two days after evacuation, 0.41 foot of floating product was measured in GMW-68. Floating product will continue to be monitored in GMW-68 and product-absorbent socks will be used to remove residual product.

Truck rack area monitoring well GMW-4 (reported to contain 0.02 foot, measured thickness, in October 2014) was decommissioned prior to remedial excavation and could not be gauged during the current monitoring event; this well will be replaced.

Floating product was detected in the south-central area in GMW-10, GMW-29, GMW-O-11, GMW-O-12, GWR-3, and MW-O-2. The measured product thicknesses for these wells ranged from 0.01 foot in GMW-O-11 to 2.30 feet in GMW-O-12.

Floating product was detected in the southeastern 24-inch-diameter block valve area in GMW-36 (0.40 foot, measured thickness), GMW-O-15 (0.08 foot, measured thickness), and GMW-O-18 (4.94 feet, measured thickness).

The distribution of floating product based upon data collected in October 2016 was compared with the distribution in April 2016. In the north-central area, floating product was present in two wells that did not contain floating product in April 2016 (GMW-18 and PZ-3). In the east-central area, floating product was measured for the first time in GMW-68 and floating product was not measured or observed in GW-15 (where 0.07 foot of floating product was measured in April 2016). In the south-central area, floating product was present in one well that did not contain floating product in April 2016 (GWR-3) and was not measured or observed in three wells (GMW-22 [3.09 feet measured in April 2016], GMW-23 [0.02 foot measured in April 2016], and GMW-O-21 [0.33 foot measured in April 2016]). The product plume is in the same general area as in April 2016, but is now interpreted as separate plumes. In the southeastern area, GMW-36 and GMW-O-15 showed minor increases in measured product thickness since April 2016.

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 measureable 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 declined an average of greater than 11 feet to the current low water levels across the Site. Elevations in Exposition Aquifer wells have declined and average of approximately 12.5 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. Measured product thickness in GMW-O-18 increased to the historical high.

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 2016 groundwater monitoring event in October 2016), and the percent reduction from historical maximum thicknesses. Review of historical and current product data shows substantial reductions in measured free product thickness throughout the Site.

In the north-central area, historical maximum product thicknesses range up to 6.87 feet (measured in PZ-3 on May 1, 1998). Based upon the most recent gauging data from this area, this plume is currently defined by five wells containing floating product ranging from 0.39 foot (measured thickness) in TF-23 to a maximum of 3.39 feet (measured thickness) in TF-16. Thirty of the 37 wells in this area that have historically contained floating product show greater than 99 percent reduction from their historical maximum thicknesses.

Two wells in the east-central area were reported to contain product in October 2016 (0.01 foot, measured thickness, in GMW-62 and 3.00 feet, measured thickness, in GMW-68. This is the first time floating product was measured 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). With the exception of GMW-68, 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 greater than 99 percent reduction from their historical maximum.

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 six wells containing floating product ranging in measured thickness from 0.01 foot in GMW-O-11 to a maximum of 2.30 feet in GMW-O-12. Thirty-five of the 38 wells in this area that have historically contained floating product show greater than 98 percent reduction from their historical maximum thicknesses. A significant reduction in magnitude and extent of floating product was observed during the October 2016 monitoring event. It is believed that this reduction is directly related to 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, 0.08 foot of floating product was measured in GMW-O-15, 0.40 foot floating product was measured in GMW-36, and 4.94 feet of floating product was measured in GMW-O-18. The maximum measured product thickness of 4.94 feet reported in GMW-O-18 was the historical high for this well. It is believed that the increased product thickness is indicative of declining water levels across the site. In addition, gMW-O-18 was off line for several weeks during the fourth quarter in order to facilitate removal of a stuck pump. Total fluids extraction will resume in GMW-O-18 and the other southeastern area extraction wells will remain on line to optimize product recovery in this area.

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 total fluids extraction, absorbent socks and manual bailing will be utilized in selected wells.

4.0 GROUNDWATER ANALYTICAL RESULTS

Groundwater quality results for the second semiannual 2016 monitoring 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.

4.1 Results for Semiannual Event

The October 2016 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 monitoring event (October 2016) and two previous monitoring events (October 2015 and April 2016) also are included on these figures. The databoxes are color-coded to indicate whether the concentrations from the October 2016 semiannual event are increasing, decreasing, or stable as compared with the data reported in October 2015. 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, DIPE, ETBE, and 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 October 2016 semiannual monitoring 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 monitoring event are summed and contoured as TPH on Figure 6. The separate concentrations of TPHg and TPHd are summarized in Table 4. TPHg was reported in 27 of the 107 sampled wells and TPHd was reported in 46 of the 107 sampled wells. The maximum concentration of TPHg was reported in south-central area off-site well GMW-O-20 (35,000 µg/L), a well reported to contain 1.98 feet of floating product in October 2015. The maximum concentration of TPHd was reported in the south-central area off-site well GMW-O-23 (170,000 µg/L), a well reported to contain 2.36 feet of floating product in October 2015.

TPH were not detected at or above laboratory reporting limits in the samples collected from Exposition Aquifer wells.

TPHg were reported at historical lows in GMW-69, GMW-O-23, MW-9, MW-SF-1, MW-SF-4, MW-SF-6, and MW-SF-15.

TPHd were reported for the first time in GW-7 (120 µg/L). TPHd were reported at historical lows in GMW-O-20, GW-4, MW-9, MW-29, and MW-SF-1 and were reported at historical highs in GMW-21, GMW-47 (primary sample), GMW-57, GMW-61, GMW-O-23, GW-7, GW-15, MW-18(MID), and TF-21.

Comparison of Current Conditions with Data Collected in April 2016

Since the first semiannual 2016 sampling event, concentrations of TPHg increased in five wells and decreased in 11 wells, decreased to non-detect in GMW-28, GMW-60, GMW-67, and GMW-O-10 and increased from non-detect in MW-19(MID) and MW-21-(MID).

Since the first semiannual 2016 sampling event, concentrations of TPHd increased in 12 wells, decreased in 17 wells, and remained the same in MW-22(MID). Since April 2016, TPHd decreased to non-detect in GMW-8, GMW-26, GMW-28, GMW-O-9, GMW-O-10, GMW-O-16, HL-2, HL-3, and MW-19(MID).

The current distribution of TPH in groundwater, shown on Figure 6, was compared with the TPH plumes interpreted based upon data collected in April 2016. The distribution of dissolved TPH is similar but extends further to the northwest (TPH detected in GW-3). Groundwater impacted by TPH does not extend as far to the west [TPH not detected in GMW-8 or MW-20(MID), reported to contain 110 and 91 µg/L TPH, respectively, in April 2016], to the southwest (TPH not detected in GMW-28, reported to contain 640 µg/L TPH in April 2016), or to the east (TPH not detected in GMW-67 or MW-17, reported to contain 1,090 and 130 µg/L TPH, respectively, in April 2016). TPH-impacted groundwater extends off site to the south (TPH reported in GMW-O-14, GMW-O-20, GMW-O-21, and GMW-O-23), to the southeast (TPH reported in PZ-5), and to the east (TPH reported in GMW-69).

Comparison of Current Conditions with Data Collected in October 2015

Since October 2015, TPH concentrations decreased by 10 percent or more in 19 wells and increased by 10 percent or more in seven wells. Decreases in TPH since October 2015 were noted in six wells [GMW-1, GMW-28, GMW-O-10, HL-3, MW-9, and MW-21(MID)] in the south-central and truck rack areas, along the eastern border (TPH decreased in GMW-48, GMW-59, GMW-67, GMW-69, and MW-17), along the western border [TPH decreased in MW-20(MID) and MW-22(MID)], and in the tank farm area (TPH decreased in GMW-8, GW-4, GW-8, MW-12, MW-26, and MW-29). TPH increased in southern off-site well GMW-O-14, in south-central and truck rack area wells MW-18(MID) and PZ-2, and in tank farm area wells GMW-15, GMW-47, GMW-57, and MW-27 since October 2015.

4.1.2 Benzene

The distribution of dissolved benzene is shown on Figure 7. During this sampling event, benzene was reported in 22 of the 107 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

12,000 µg/L in southern off-site well GMW-O-14 (12,000 µg/L in both the primary and duplicate samples). Benzene was non-detect for the first time in monitoring wells MW-SF-1, MW-SF-4, and MW-SF-13. Benzene was not detected in off-site wells west of the Site. Benzene was reported at the historical low in GMW-67, GMW-O-10, GMW-O-20, GMW-O-23, MW-SF-1, MW-SF-4, MW-SF-6, MW-SF-13, MW-SF-15, and TF-21. The distribution of dissolved benzene is similar to the distribution seen during recent sampling events as discussed below.

Benzene was not detected at or above laboratory reporting limits in the samples collected from Exposition Aquifer wells during the second semiannual 2016 sampling event.

Comparison of Current Conditions with Data Collected in April 2016

Since the first semiannual 2016 sampling event, benzene concentrations increased in seven wells and decreased in 18 wells. Benzene increased from non-detect (<0.50 µg/L) in GMW-1 and MW-22(MID) and decreased to non-detect (<0.50 µg/L) in GMW-6, GMW-15, GMW-28, GMW-60, GMW-61, GMW-O-10, GW-2, GW-3, GW-13, MW-9, MW-13, MW-16, MW-27, and TF-8.

Comparison of Current Conditions with Data Collected in October 2015

Since October 2015, benzene concentrations decreased by 10 percent or more in eight wells and increased by 10 percent or more in eight wells. Decreases in benzene were noted in GMW-28 in the south-central area, along the eastern border (EXP-1, GMW-59, GMW-60, GMW-67, GMW-69, and GW-16), and in GW-1 in the northwestern the tank farm area. Since October 2015, benzene increased in south-central area wells GMW-1, MW-18(MID), and PZ-2, in eastern tank farm area wells GMW-48 and GW-15, and in northwestern tank farm area wells MW-14, MW-22(MID), and MW-26.

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 16 of the 107 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 13 µg/L reported in MW-20(MID) along the western border of the Site. 1,2-DCA was reported in western off-site well WCW-3 (0.74 µg/L). 1,2-DCA was not detected in any other off-site wells during this sampling event. 1,2-DCA was reported for the first time in GMW-30 (1.2 µg/L) and at the historical high in GW-1. 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 northwest.

1,2-DCA was not detected at or above laboratory reporting limits in samples collected from the Exposition Aquifer wells during the second semiannual 2016 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 2016

Since the April 2016 sampling event, 1,2-DCA concentrations increased in eight wells [GMW-26, GW-2, GW-13, MW-6, MW-7, MW-20(MID), MW22(MID), and WCW-3] and decreased in five wells [GMW-8, MW-16, MW-19(MID), MW-21(MID), and WCW-7]. 1,2-DCA decreased to non-detect (<0.50 µg/L) in MW-16 and WCW-7 and increased from non-detect (<0.50 µg/L) in western off-site well WCW-3. Comparing the 1,2-DCA plume based upon the October 2016 analytical results with the April 2016 1,2-DCA plume, the 1,2-DCA plume is in in the same general area but extends further to the northwest (1,2-DCA detected in WCW-3) and further to the southeast (1,2-DCA detected in GMW-9, GMW-25, and GMW-30).

Comparison of Current Conditions with Data Collected in October 2015

Since October 2015, 1,2-DCA concentrations decreased by 10 percent or more in four wells and increased by 10 percent or more in eight wells. Decreases in benzene were noted on site in western wells GMW-8, MW-6, MW-14 and off site to the west in WCW-7. 1,2-DCA increased in on-site western wells GMW-26, GW-1, GW-2, GW-13, MW-7, MW-19(MID), and MW-20(MID) and off site to the west in WCW-3.

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 32 of the 107 sampled wells. Analytical results for MTBE in groundwater samples collected during this semiannual event ranged from non-detect in many of the wells to 53 µg/L reported in south-central area well MW-SF-6. MTBE was not detected at or above laboratory reporting limits for the first time in MW-SF-4 and MW-SF-13. MTBE was reported at the historical high in PZ-2 and was reported at historical lows in GMW-28, MW-9, MW-SF-1, MW-SF-4, MW-SF-6, MW-SF-13, MW-SF-15, and in the duplicate sample from PZ-5.

MTBE was reported in eastern Exposition Aquifer well EXP-1 (1.7 and 1.8 µg/L). None of the other Exposition Aquifer wells were reported to contain MTBE at or above laboratory reporting limits.

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.

Distribution of MTBE in Groundwater and Comparison with Data Collected in April 2016

Since the April 2016 sampling event, MTBE concentrations increased in seven wells, decreased in 15 wells, and remained the same in MW-6. MTBE decreased to non-detect in GMW-O-14 and WCW-7 and increased from non-detect in GMW-30, GMW-57, GMW-O-20, and MW-8.

Based upon the analytical results for the October 2016 sampling event, MTBE was present in the south-central and western areas of the Site, near the truck rack area, in the north-central tank farm area, in the southeastern corner of the Site.

A small MTBE plume was interpreted in the east-central area based upon MTBE detected in EXP-1. MTBE has been detected intermittently in EXP-1 since 2002 with the maximum concentration (2.2 µg/L) reported in October 2015.

The dissolved MTBE present in the south-central and western areas of the Site extends to the northwest from the south-central floating product plume. Dissolved MTBE is also present east of the south-central plume near the truck rack area based upon MTBE reported in MW-9.

The distribution of MTBE in groundwater in April 2016 was compared with the distribution indicated by the October 2016 dataset. MTBE was detected in the southern and western areas of the Site in April 2016, but the plume does not extend as far to the northwest (MTBE not detected in WCW-7).

Dissolved MTBE is present in the southeastern corner of the Site based upon MTBE detected in on-site wells GMW-39 and MW-8 and off-site well PZ-5. The plume is in the same general area as in April 2016, but the plume extends further to the west (MTBE detected in MW-8).

Dissolved MTBE detected in the tank farm area indicate small MTBE plumes at GMW-7, GMW-47, and GMW-57. Comparing the distribution of MTBE in April 2016 with the plumes interpreted based upon October 2016 data, MTBE was present in GMW-57 during both events but was not detected in GMW-59 in October 2016.

Comparison of Current Conditions with Data Collected in October 2015

Since October 2015, MTBE concentrations decreased by 10 percent or more in eight wells and increased by 10 percent or more in seven wells. Decreases in MTBE were noted in in south-central area well GMW-28, western area wells GMW-8, MW-6, MW-22(MID), MW-27, and WCW-7, truck rack area well MW-9, and southeastern area well PZ-5. Since October 2015, MTBE increased in south-central wells GMW-26, MW-18(MID), MW-19(MID), and PZ-2, western well MW-20(MID), and southeastern wells GMW-39 and MW-8.

4.1.5 Tertiary-Butyl Alcohol

The distribution of dissolved TBA is shown on Figure 10. During this sampling event, TBA was reported in 16 of the 107 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 130,000 µg/L reported in the duplicate sample collected from southeastern off-site well PZ-5. TBA was detected for the first time in GMW-30. TBA was reported at historical lows in MW-9, MW-SF-13, and MW-SF-15 and was reported at the historical high in GMW-28. 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 October 2016 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 and in the southeastern corner. Smaller, isolated plumes were interpreted at truck rack area well MW-9 and in the tank farm area at GMW-7, GMW-47, and MW-20(MID).

Comparison of Current Conditions with Data Collected in April 2016

Since the April 2016 sampling event, TBA concentrations increased in four wells and decreased in five wells. The south-central TBA plume is in the same general area as in April 2016, but extends further to the southwest in the vicinity of GMW-28 and GMW-30 and slightly further to the northeast in the vicinity of PZ-2. The TBA plume in the southeastern area of the Site is in the same general area.

Comparison of Current Conditions with Data Collected in October 2015

Since October 2015, TBA concentrations decreased by 10 percent or more in four wells and increased by 10 percent or more in six wells. Decreases in TBA were noted in in four wells in the south-central area well PZ-2, in truck rack area well MW-9, northeastern well GMW-60, and western tank farm well MW-22(MID). TBA increased by more than 10 percent since October 2015 in south-central area wells GMW-28, MW-18(MID), MW-19(MID), and MW-20(MID), northeastern well GMW-47, and off-site southeastern well PZ-5.

4.1.6 Other Fuel Oxygenates

Pursuant to the RWQCB's request in March 2009, analysis for other fuel oxygenates including diisopropyl ether (DIPE), ethyl tertiary-butyl ether (ETBE), and tertiary-amyl methyl ether (TAME) in accordance with USEPA Method 8260B was included in the October 2016 sampling event. TAME was not detected at or above laboratory reporting limits in any of the samples collected during the October 2016 sampling event. ETBE was reported in one well (2.7 and 2.5 µg/L in southeastern off-site well PZ-5). DIPE was reported in 11 of the 107 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 230 µg/L in the duplicate sample collected from south-central off-site well GMW-O-14. Since April 2016, DIPE increased in four wells and decreased in three wells. DIPE decreased to non-detect (<1.0 µg/L) in WCW-7. DIPE was reported for the first time in GMW-30 (6.0 µg/L). DIPE was reported at the historical low in MW-18(MID) and MW-SF-15 and at the historical high in GMW-26.

4.2 Quality Assurance/Quality Control

American Analytics and Alpha Analytical did not report any significant quality assurance/quality control issues with the analytical work performed as part of the October 2016 semiannual event. A total of 15 duplicate groundwater samples, three split samples, 10 trip blanks, and 12 equipment blanks were submitted for analysis. Analytical results for duplicate and split 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. The trip blank and equipment blank samples were non-detect for all analytes.

4.3 Water Disposal

Purged groundwater from DLA sampling activities 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. CAG834001. Purged groundwater extracted by Blaine

Tech on behalf of SFPP 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 October 2016 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 ongoing cleanup activities.

5.1.1 DLA

Remediation technologies utilized at the Site include soil vapor extraction (SVE), groundwater extraction (GWE), biosparging, and light, non-aqueous phase liquid (LNAPL) removal via manual bailing, vacuum truck, 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. The GWE system is operated to contain and reduce the extent of the floating product and dissolved plumes. The aboveground treatment of contaminated vadose zone soils excavated at the Site has also been conducted since April 2015 with ongoing SVE from horizontal wells that span the entire former aboveground tank farm area and from the northeastern boundary area. An automated product-recovery system was recently brought on line following the completion of permitting and well installation (startup occurred on August 8, 2016). The system consists of four pneumatically activated product-removal pumps deployed in key wells located in the north-central portion of the Site, including wells TF-18, RTF-18-NW, RTF-18-N, and RTF-18-E. 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. The biosparge system is currently off line due to ongoing soil cleanup activities.

SGI, on behalf of DLA, is near completion of 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 is 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 is conducted in accordance with the RWQCB-approved *Soil Remedial Action Plan* (SGI, 2014), *Revised Field Sampling and Analysis Plan and Sampling Strategy* (SGI, 2015b), *Workplan for VOC Analysis Results Validation* (SGI, 2015c), and *Proposed Addendum to the Soil Cleanup Goals* (SGI, 2015e). Soils in areas identified for remediation are excavated and treated on site. After the RWQCB reviews confirmation sample results, the RWQCB approves the treated soil for reuse as backfill for the remedial excavations.

5.1.2 SFPP

The remediation systems 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). SFPP is currently extracting total fluids from three wells in the south-central area (GMW-9, GMW-10, and MW-SF-3) and from four wells in the southeastern 24-inch block valve area (GMW-36, GMW-O-15, GMW-O-18, and GMW-SF-9). SFPP's TFE and GWE systems are designed to contain and reduce the extent of free product, provide hydraulic capture of dissolved constituents of concern, and lower the free product surface (where present) and groundwater table, thus exposing more hydrocarbon-impacted soil for SVE. Additionally, SFPP conducts manual bailing of free product in selected wells, as needed.

SFPP recently completed installation of a horizontal biosparge system in the south-central area of the Site. The biosparge well is constructed of 4-inch-diameter, Schedule 80 polyvinyl chloride (PVC) casing and screen completed to a vertical depth of approximately 45 feet bgs. The lateral distance of the screened interval is 600 feet, which is centered below the central portion of the south-central area hydrocarbon plume. Further details regarding the construction of the biosparge well is documented in the report titled, *Horizontal Biosparge Well and Soil Vapor Monitoring Probe Completion Report, SFPP Norwalk Pump Station, 15306 Norwalk Boulevard, Norwalk, California* (CH2M, 2015b).

The compressor used to deliver ambient air to the biosparge well has a maximum design rate of approximately 500 standard cubic feet per minute (scfm). 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 offgassing of VOCs during biosparge operations. Pilot testing of the biosparge system commenced in early January 2016 and continued through October 2016. Soil vapor data collected as part of the pilot testing have been submitted to the RWQCB and Restoration Advisory Board (RAB) under separate cover. Preparation of a comprehensive evaluation report that incorporates soil vapor and groundwater data is currently in process.

5.2 System Effectiveness

Based on the results presented in this report, it is believed 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. The lateral extent of dissolved-phase plumes appears to be stable and consistent with previous monitoring 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.

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 monitoring events. SFPP will continue to extract groundwater in the south-central area and monitor for MTBE and other constituents. The magnitude and extent of Free 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 between January and October 2016. The biosparge system is currently off line to facilitate installation of a new regenerative thermal oxidizer (RTO) unit. Biosparging is anticipated to resume in the south-central area during the first quarter 2017 after installation of the RTO is complete.

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 extraction activities were initiated 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.

Accumulation of floating product in some wells can be attributed to declining water levels across the site as discussed in Section 3.2. During the second semiannual 2016 groundwater monitoring event, water levels in the uppermost groundwater zone were observed to be at historical lows. Total fluids extraction and/or manual product recovery operations (i.e., hand-bailing) 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 West Side Barrier treatment system, however, hydrocarbon constituents will continue to be monitored in this area.

SGI on behalf of DLA, is currently conducting soil remediation at DFSP Norwalk (excavation and on-site treatment of contaminated vadose zone soils to depths up to 25 feet). It is anticipated that up to 160,000 cubic yards of petroleum-hydrocarbon-contaminated soil will be remediated. The goal of this remediation is 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.

6.0 SUMMARY

This section presents a summary of findings, data evaluation, and recommendations, if warranted, associated with the second semiannual 2016 groundwater monitoring and sampling event conducted at the DFSP Norwalk.

6.1 Groundwater Elevation and Gradient Conditions

Based upon the gauging results, groundwater elevations in the uppermost groundwater zone (excluding wells containing measureable floating product) ranged from 34.74 to 43.04 feet above MSL. Since the April 2016 monitoring event, groundwater elevations dropped an average of 0.90 foot in uppermost groundwater zone wells that did not contain floating product. Based upon the gauging data collected on October 3, 2016, the groundwater surface is generally characterized by a groundwater depression in the south-central area with gradients converging toward this depression. The depression is likely an effect of biosparge system operations in this area of the Site.

Groundwater elevations in the Exposition Aquifer wells ranged from 17.01 to 17.55 feet MSL. Since the April 2016 monitoring event, elevations in Exposition Aquifer wells dropped an average of 1.98 feet. The groundwater gradient in the Exposition Aquifer is generally toward the southeast beneath the Site at approximately 0.0003 ft/ft and toward the northwest off site to the northwest.

6.2 Distribution of Floating Product

During this semiannual monitoring event, measurable floating product was observed in 16 of the 147 wells that were gauged:

- North-central area: GMW-18, PZ-3, TF-16, TF-18, and TF-23;
- Eastern area: GMW-62 and GMW-68;
- South-central area: GMW-10, GMW-29, GMW-O-11, GMW-O-12, GWR-3, and MW-O-2; and
- Southeastern area: GMW-36, GMW-O-15, and GMW-O-18.

Floating product was detected at thicknesses ranging from an 0.01 foot to 3.39 feet. Since the April 2016 monitoring event, measured product thicknesses increased in seven wells, decreased in ten wells, and remained the same in GMW-62. Overall, product thicknesses decreased by an average of 0.005 foot since April 2016. Changes in measured product thickness ranged from an increase of 4.94 feet in GMW-O-18 to a decrease of 4.19 feet in GMW-O-12.

Monitoring data show considerable reduction in floating product throughout the Site. The decline in product thickness in GMW-O-12 and other wells in the south-central area can be attributed to biosparging operations. Accumulation of floating product in some wells can be attributed to declining water levels across the Site as discussed in Section 3.2. During the second semiannual 2016 groundwater monitoring event, water levels in the uppermost groundwater zone were observed to be at historical lows. The increase in product thickness in GMW-O-18 is due in part to declining water levels across the Site as mentioned above. In addition, GMW-O-18 was off line for several weeks during the fourth quarter 2016 in order to facilitate removal of a stuck pump. In 2017, total fluids extraction in GMW-O-18 and other wells across the Site will resume to optimize product recovery. Manual bailing of product will also continue in wells that are not equipped for total fluids extraction.

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 87 wells that have historically contained floating product, only 34 wells were reported to contain floating product based upon the most recent gauging data for each well. Measured product thicknesses have declined by 98 percent or more from historical maximum thicknesses in 75 of the 87 wells that have historically contained floating product.

6.3 Dissolved-Phase Constituents

6.3.1 Total Petroleum Hydrocarbons

TPHg was detected in 27 of the 107 sampled wells and TPHd was detected in 46 of the 107 sampled wells. Concentrations of TPHg ranged up to 35,000 µg/L in south-central area off-site well GMW-O-20 (a well reported to contain 1.98 feet of floating product in October 2015). Concentrations of TPHd ranged up to 170,000 µg/L in south-central off-site well GMW-O-23 (a well reported to contain 2.36 feet of floating product in October 2015). TPH were not detected in any of the Exposition Aquifer wells during this sampling event.

Since April 2016, TPHg concentrations increased in five wells and decreased in 11 wells. TPHg decreased to non-detect in GMW-28, GMW-60, GMW-67, and GMW-O-10 and increased from non-detect in MW-19(MID) and MW-21(MID). TPHg were reported at historical lows in GMW-69, GMW-O-23, MW-9, MW-SF-1, MW-SF-4, MW-SF-6, and MW-SF-15. TPHg were not reported in samples collected from the Exposition Aquifer wells during this sampling event.

Since the April 2016 sampling event, TPHd concentrations increased in 12 well, decreased in 17 wells, and remained the same in MW-22(MID). TPHd decreased to non-detect in GMW-8, GMW-26, GMW-28, GMW-O-9, GMW-O-10, GMW-O-16, HL-2, HL-3, and MW-19(MID). TPHd were reported at historical lows in GMW-O-20, GW-4, MW-9, MW-29, and MW-SF-1 and were reported at historical highs in GMW-21, GMW-47 (primary sample), GMW-57, GMW-61, GMW-O-23, GW-7, GW-15, MW-18(MID), and TF-21.

Compared with the TPH plumes interpreted based upon data collected in April 2016, the distribution of dissolved TPH is similar but extends further to the northwest (TPH detected in GW-3). Groundwater impacted by TPH does not extend as far to the west [TPH not detected in GMW-8 or MW-20(MID)], to the southeast (TPH not detected in GMW-28), or to the east (TPH not detected in GMW-67 or MW-17). TPH-impacted groundwater extends off site to the south (TPH reported in GMW-O-14, GMW-O-20, GMW-O-21, and GMW-O-23), to the southeast (TPH reported in PZ-5), and to the east (TPH reported in GMW-69).

6.3.2 Benzene

Benzene was reported in 22 of the 107 sampled wells. Benzene concentrations ranged from non-detect (<0.50 µg/L) in many of the wells to 12,000 µg/L reported in southern off-site well GMW-O-14. Benzene was not detected in off-site wells west of the Site.

Since April 2016, benzene concentrations increased in seven wells and decreased in 18 wells. Benzene decreased to non-detect (<0.50 µg/L) in GMW-6, GMW-15, GMW-28, GMW-60, GMW-61, GMW-O-10, GW-2, GW-3, GW-13, MW-9, MW-13, MW-16, MW-27, and TF-8 and increased from non-detect in GMW-1 and MW-22(MID). Benzene was reported at the historical low in GMW-67, GMW-O-10, GMW-O-20, GMW-O-23, MW-SF-1, MW-SF-4, MW-SF-6, MW-SF-13, MW-SF-15, and TF-21. The distribution of dissolved benzene is similar to the distribution seen during recent sampling events.

6.3.3 1,2-Dichloroethane

1,2-DCA was reported in 16 of the 107 sampled wells. 1,2-DCA concentrations ranged from non-detect (<0.50 µg/L) in many of the wells to 13 µg/L reported in MW-20(MID) along the western border of the Site. 1,2-DCA was reported for the first time in GMW-30. 1,2-DCA was not detected in any of the Exposition Aquifer wells during this sampling event.

Since April 2016 sampling event, 1,2-DCA concentrations increased in eight wells and decreased in five wells. 1,2-DCA decreased to non-detect in MW-16 and WCW-7 and increased from non-detect in western off-site well WCW-3. 1,2-DCA was reported at the historical low in GMW-26 and GW-2 and was reported at the historical high in in GW-1.

Analytical results reflect a 1,2-DCA groundwater plume in the western area of the Site that extends off site to the northwest. The 1,2-DCA plume is in in the same general area as in April 2016 but extends further to the northwest and to the southeast.

6.3.4 Methyl Tertiary-Butyl Ether

MTBE was reported in 32 of the 107 sampled wells. Concentrations of MTBE ranged from non-detect in many of the wells to 53 µg/L reported in the south-central off-site well MW-SF-6. MTBE was not detected at or above laboratory reporting limits for the first time in MW-SF-4 and MW-SF-13. MTBE was reported in eastern Exposition Aquifer well EXP-1 (1.7 and 1.8 µg/L). MTBE was not detected in any of the other wells installed in the Exposition Aquifer during this investigation.

Since the April 2016 sampling event, MTBE concentrations increased in seven wells and decreased in 15 wells. MTBE decreased to non-detect in GMW-O-14 and WCW-7 and increased from non-detect in GMW-30, GMW-57, GMW-O-20, and MW-8. MTBE was reported at the historical low in GMW-28, MW-9, MW-SF-1, MW-SF-4, MW-SF-6, MW-SF-13, MW-SF-15, and in the duplicate sample collected from PZ-5.

The distribution of dissolved MTBE is similar to the distribution seen during recent sampling events. Based upon the analytical results for the October 2016 sampling event, MTBE was present in the south-central and western areas of the Site, near the truck rack area, in the north-central tank farm area, in the southwestern corner of the Site, and a small plume was interpreted in the east-central area based upon MTBE detected in EXP-1. MTBE has been detected intermittently in EXP-1 since 2002, with the maximum concentration (2.2 µg/L) reported in October 2015.

6.3.5 Tertiary-Butyl Alcohol

TBA was reported in 16 of the 107 sampled wells. Concentrations of TBA ranged from non-detect (<10 µg/L) in many of the wells to 130,000 µg/L reported in the duplicate sample collected from southeastern off-site well PZ-5. TBA was detected for the first time in GMW-30. TBA was not detected in any of the Exposition Aquifer wells during this sampling event.

Since the April 2016 sampling event, TBA concentrations increased in four wells and decreased in five wells. TBA was reported at the historical low in MW-9, MW-SF-13, and MW-SF-15 and was reported at the historical high in GMW-28.

The distribution of dissolved TBA is similar to the distribution seen during recent sampling events. Based upon the analytical results for the October 2016 sampling event, several areas of the Site are impacted by TBA. TBA was present in the southwestern area of the Site, in the southeastern corner of the Site, in the truck rack area in the vicinity of MW-9, and in the tank farm area in the vicinity of GMW-7, GMW-47, and MW-20(MID).

6.3.6 Other Fuel Oxygenates

Groundwater samples collected during the October 2016 sampling event were analyzed for additional fuel oxygenates including ETBE, DIPE, and TAME. TAME was not detected at or above laboratory reporting limits in any of the samples. ETBE was reported in one well (2.7 and 2.5 µg/L in southeastern off-site well PZ-5). DIPE was reported in 11 of the 107 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 230 µg/L in the duplicate sample from south-central off-site well GMW-O-14. Since April 2016, DIPE increased in four wells and decreased in three wells. DIPE decreased to non-detect in GMW-26. DIPE was reported for the first time in MW-6 (1.1 µg/L). DIPE decreased to non-detect (<1.0 µg/L) in WCW-7. DIPE was reported for the first time in GMW-30. DIPE was reported at the historical low in MW-SF-15 and at the historical high in GMW-26. 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.

SGI has exercised professional judgment to collect and present findings and opinions of a scientific and technical nature. The opinions expressed are based on the conditions of the Site existing at the time of the field investigation, current regulatory requirements, and any specified assumptions. SGI cannot provide conclusions on environmental conditions outside the completed scope of work. SGI cannot guarantee that future conditions will not change and affect the validity of the presented conclusions and recommended work. No warranty or guarantee, whether expressed or implied, is made with respect to the data or the reported findings, observations, conclusions, and recommendations.

8.0 REFERENCES

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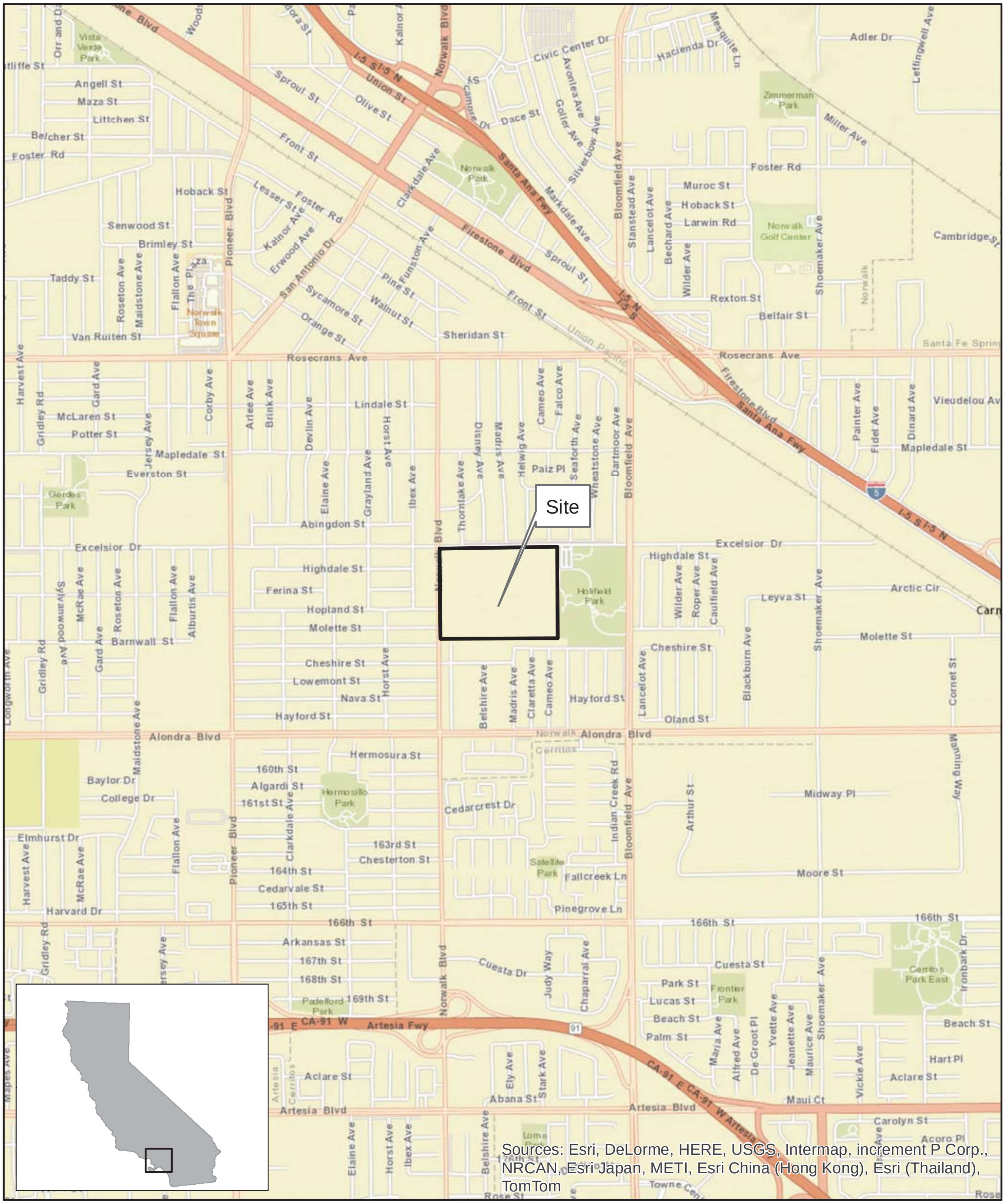
FIGURES



SOURCE: ESRI 7.5 MINUTE TOPOGRAPHIC MAP. http://resources.esri.com/arcgisonlineservices	PROJECT NO.: 04-NDLA-001	DATE: 5/28/2014	DR.BY: JK	APP.BY: PP	SCALE= 1:24,000 (0, 1,000, 2,000, 4,000 Feet)	N

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SIGNAL HILL, CA 90755
(562) 597-1055

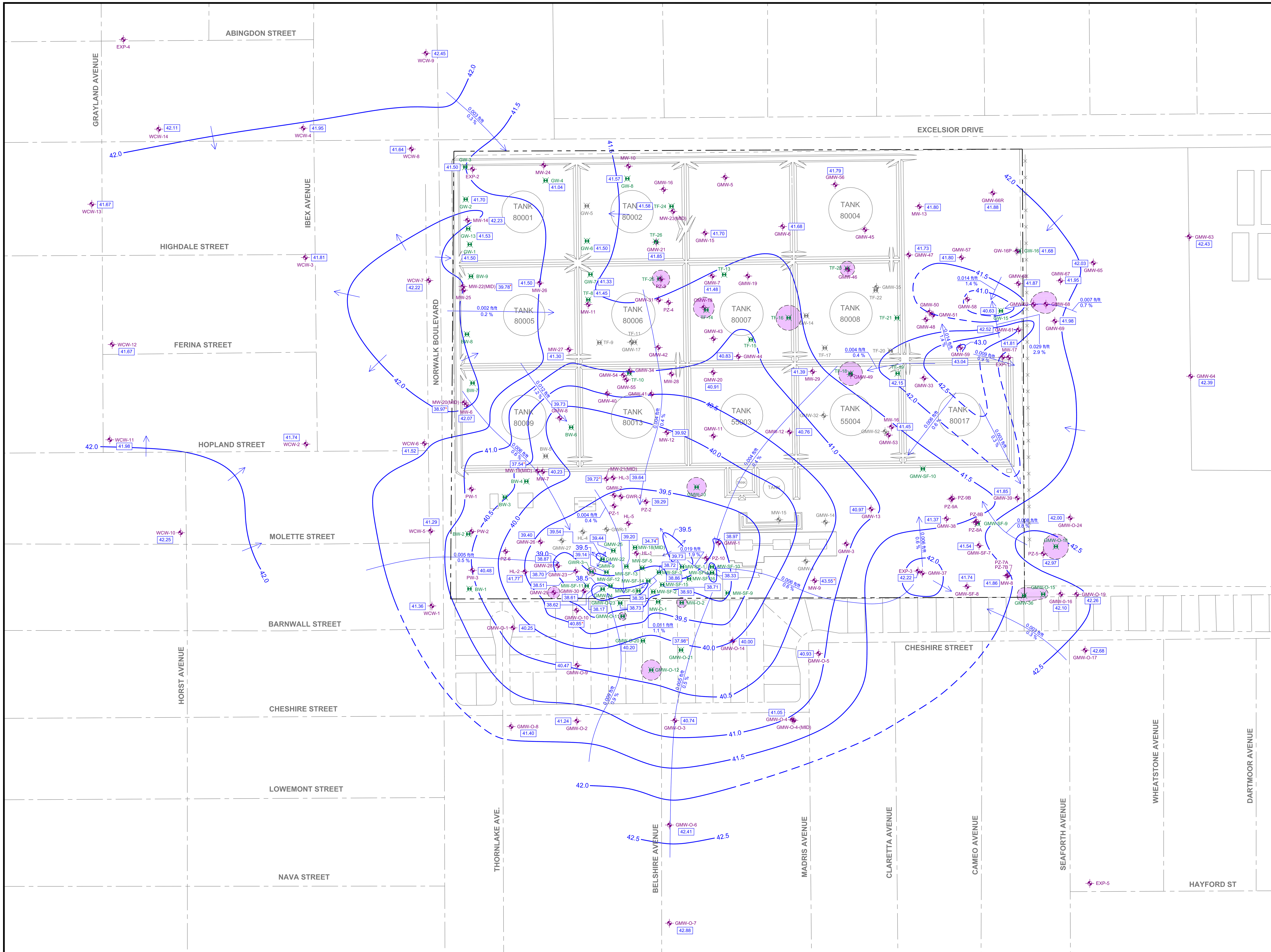
DEFENSE FUEL SUPPORT POINT NORWALK

15306 NORWALK BOULEVARD
NORWALK, CALIFORNIA

SITE LOCATION MAP

FIGURE
1

Document Name: Fig-1 Norwalk Site Location Map



EXPLANATION:

FORMER ABOVEGROUND STORAGE TANKS

DFSP NORWALK BORDER

WCW-14 GROUNDWATER MONITORING 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

40.83 GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL MEASURED OCTOBER 3, 2015

* ASTERISK INDICATES DATA NOT USED TO DEVELOP THIS EQUIPOTENTIAL MAP

40.5 LINE OF EQUAL GROUNDWATER ELEVATION (REFERENCE = MEAN SEA LEVEL) CONTOUR INTERVAL = 0.5 FOOT DASHED WHERE INFERRED

0.004 ft/ft 0.4 % GROUNDWATER GRADIENT DIRECTION WITH GRADIENT IN FEET PER FOOT (ft/ft) AND PERCENT; DASHED WHERE INFERRED

ESTIMATED EXTENT OF MEASURABLE LIGHT NONAQUEOUS PHASE LIQUID (LNAPL, FLOATING PRODUCT) ON GROUNDWATER REFER TO FIGURE 4 OR TABLE 2 FOR MEASURED THICKNESSES

NOTES:

1. GROUNDWATER ELEVATIONS AND INTERPRETED PRODUCT EXTENT ARE BASED ON DATA COLLECTED BY SGI & BLAINE TECH OCTOBER 3, 2016.
2. DLA ENERGY'S AND SFPP'S REMEDIATION SYSTEMS WERE SHUT DOWN APPROXIMATELY 1 WEEK PRIOR TO COLLECTING FLUID LEVEL MEASUREMENTS IN OCTOBER 2016.
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 FLOUR DANIEL GTI AND WOODWARD-CLYDE

0 120 240
APPROXIMATE SCALE IN FEET

DATE: 12/2016	FILE NAME: DFSP-Norwalk-SE2-16.dwg
PROJECT No.: 091-NDLA-018	CONTRACT: SPO-600-14-D-5410

GROUNDWATER EQUIPOTENTIAL AND GRADIENT MAP UPPERMOST GROUNDWATER ZONE OCTOBER 3, 2016

DFSP NORWALK
15306 NORWALK BOULEVARD
NORWALK, CALIFORNIA

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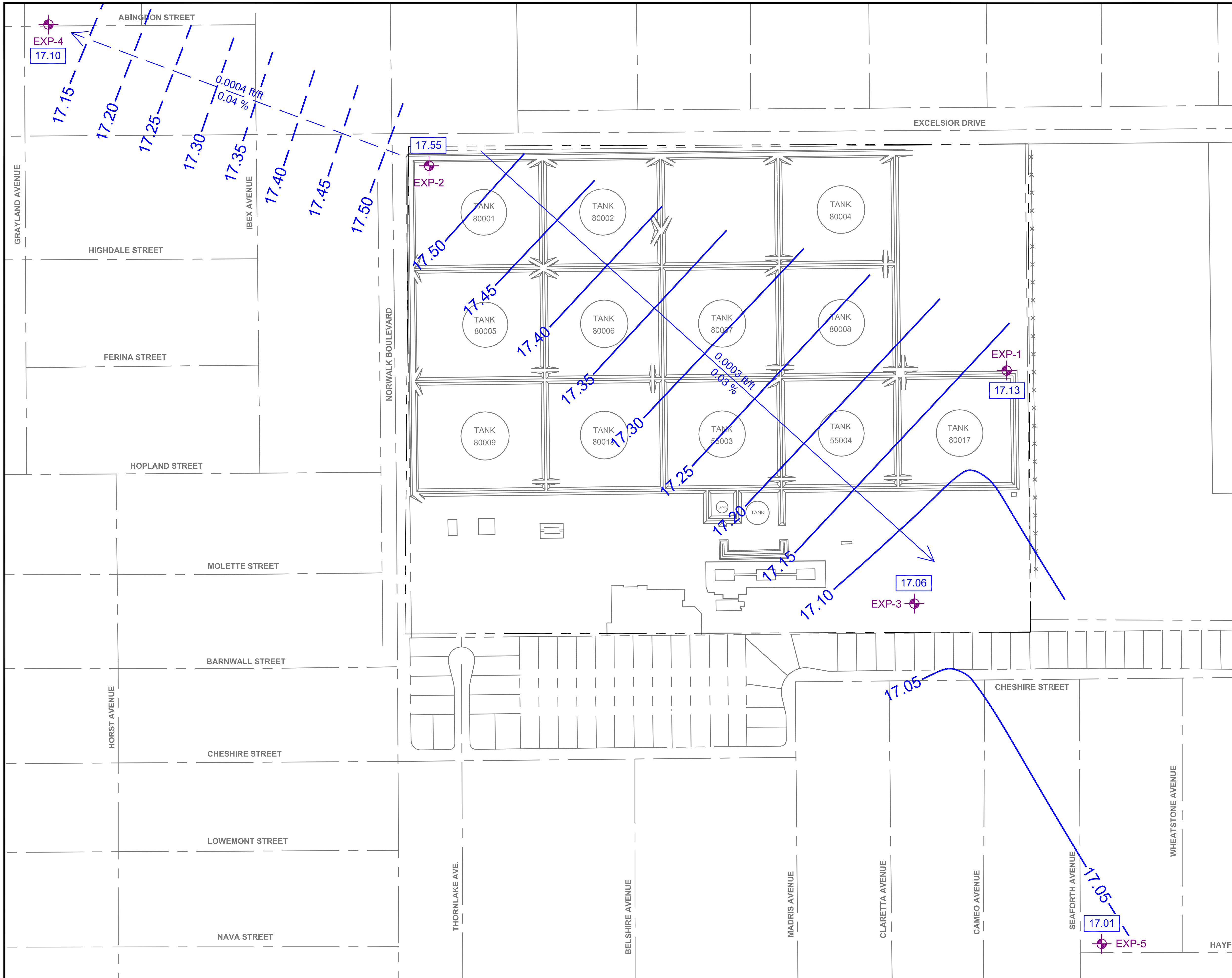
FIGURE 2



EXPLANATION:

FORMER ABOVEGROUND STORAGE TANKS

DFSP NORWALK BORDER

EXP-5 EXPOSITION AQUIFER MONITORING WELL

17.13 GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (MSL) MEASURED OCTOBER 3, 2016

17.35 GROUNDWATER EQUIPOTENTIAL LINE (REFERENCE = MEAN SEA LEVEL) CONTOUR INTERVAL = 0.25 FOOT DASHED WHERE INFERRED

0.0003 ft/ft 0.03 % GROUNDWATER GRADIENT DIRECTION IN FEET PER FOOT (ft/ft) AND PERCENT DASHED WHERE INFERRED

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.

0 250 500

APPROXIMATE SCALE IN FEET

N

DATE:	FILE NAME:	PROJECT No.:
01/2017	DFSP-Nrwlk-SE2-17B2.DWG	091-NDLA-018

GROUNDWATER EQUIPOTENTIAL AND GRADIENT MAP EXPOSITION AQUIFER OCTOBER 3, 2016

DFSP NORWALK

15306 NORWALK BOULEVARD
NORWALK, CALIFORNIA

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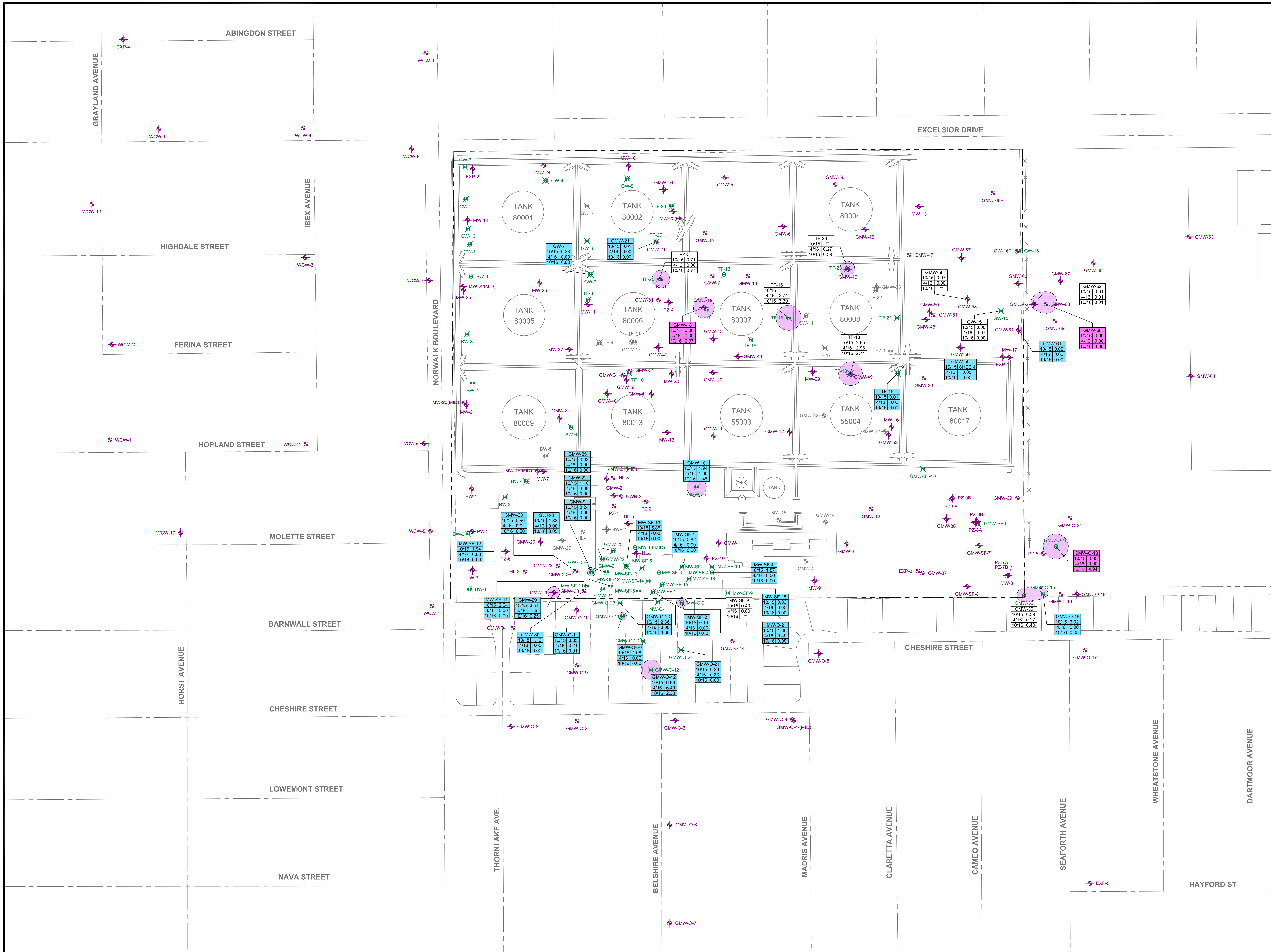
FIGURE 3



EXPLANATION:

FORMER ABOVEGROUND STORAGE TANKS

DFSP NORWALK BORDER

WCW-14 — GROUNDWATER MONITORING WELL

TF-26 — EXTRACTION WELL USED FOR VAPOR, GROUNDWATER, TOTAL FLUIDS, OR FLOATING PRODUCT EXTRACTION

GMW-14 — WELLS SHOWN IN GREY WERE DECOMMISSIONED BY DLA ENERGY PRIOR TO REMEDIAL EXCAVATION

TF-18	
10/15	2.65
4/16	2.96
10/16	2.74

MEASURED PRODUCT THICKNESS IN FEET FOR THE THREE MOST RECENT SEMIANNUAL EVENTS; WHERE THE DATABOX IS SHOWN IN WHITE, THE MEASURED THICKNESS HAS REMAINED SIMILAR (CHANGE IS LESS THAN 10%) AT THAT LOCATION SINCE THE OCTOBER 2015 MONITORING EVENT, OR THE DATASET SHOWN DOES NOT PROVIDE A BASIS FOR COMPARISON

GMW-68	
10/15	0.00
4/16	0.00
10/16	3.00

WHERE THE DATABOX IS SHOWN IN RED, THE MEASURED PRODUCT THICKINESS HAS INCREASED BY 10% OR MORE AT THAT LOCATION SINCE THE OCTOBER 2015 MONITORING EVENT

GMW-29	
10/15	3.51
4/16	1.40
10/16	0.25

WHERE THE DATABOX IS SHOWN IN BLUE, THE MEASURED PRODUCT THICKNESS HAS DECREASED BY 10% OR MORE AT THAT LOCATION SINCE THE OCTOBER 2015 MONITORING EVENT

-- NOT MEASURED

ESTIMATED EXTENT OF MEASURABLE LIGHT NONAQUEOUS PHASE LIQUID (LNAPL, FLOATING PRODUCT) ON GROUNDWATER

* MONITORING WELL GMW-O-18 WAS GAUGED ON DECEMBER 13, 2016

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 FLOUR DANIEL GTI AND WOODWARD-CLYDE

0 120 240

APPROXIMATE SCALE IN FEET

N

DATE:	FILE NAME:
12/2016	DFSP-Norwalk-SE2-16.dwg

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

DISTRIBUTION OF FLOATING PRODUCT ON GROUNDWATER OCTOBER 2016

DFSP NORWALK

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NORWALK, CALIFORNIA

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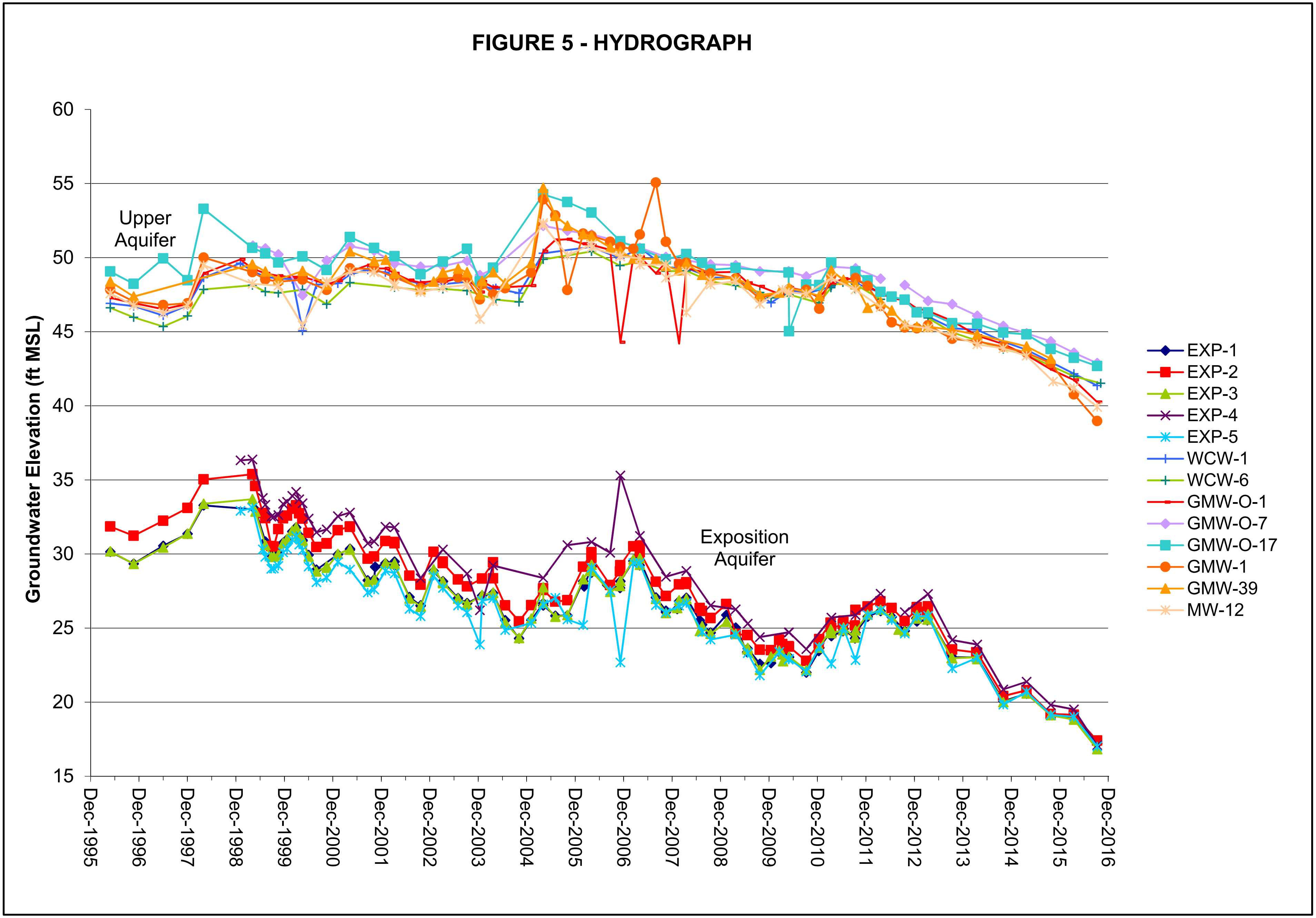
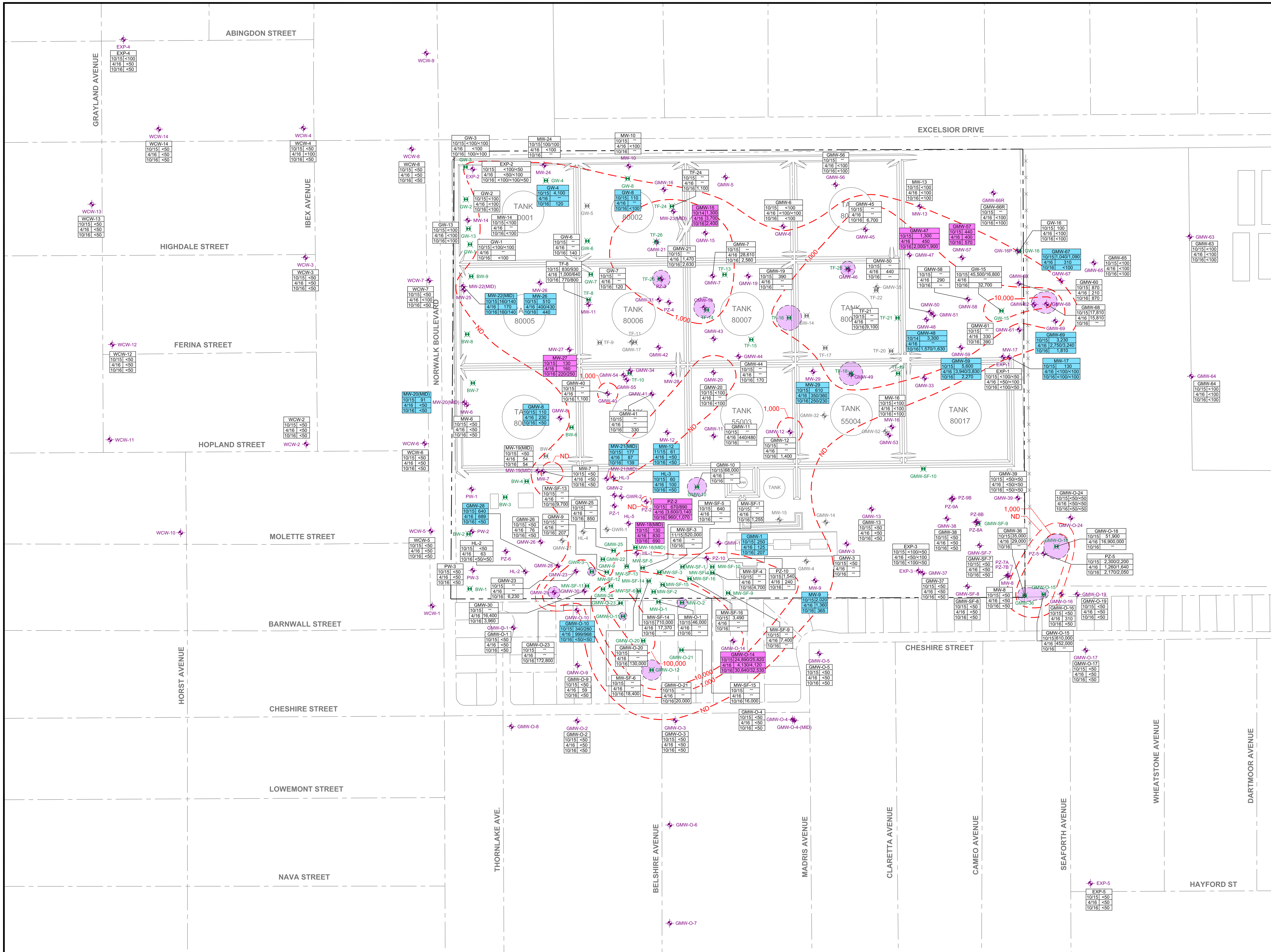
FIGURE 4



The Source Group, Inc.



EXPLANATION:

FORMER ABOVEGROUND STORAGE TANKS

DFSP NORWALK BORDER

WCW-14 GROUNDWATER MONITORING WELL

TF-26 EXTRACTION WELL USED FOR VAPOR, GROUNDWATER, TOTAL FLUIDS, OR FLOATING PRODUCT EXTRACTION

GMW-14 WELLS SHOWN IN GREY WERE DECOMMISSIONED BY DLA ENERGY PRIOR TO REMEDIAL EXCAVATION

GMW-63	
10/15	<100
4/16	<100
10/16	<100

TOTAL PETROLEUM HYDROCARBON (TPH) CONCENTRATIONS ARE THE SUMMATION OF TPH AS GASOLINE (TPHg) AND TPH AS DIESEL (TPHd) 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 OCTOBER 2015 MONITORING EVENT, OR THE DATASET SHOWN DOES NOT PROVIDE A BASIS FOR COMPARISON

GMW-57	
10/15	440
4/16	400
10/16	570

WHERE THE DATABOX IS SHOWN IN RED, THE CONCENTRATION OF TPH HAS INCREASED BY 10% OR MORE AT THAT LOCATION SINCE THE OCTOBER 2015 MONITORING EVENT

GMW-67	
10/15	1,040/1,090
4/16	310
10/16	<100

WHERE THE DATABOX IS SHOWN IN BLUE, THE CONCENTRATION OF TPH HAS DECREASED BY 10% OR MORE AT THAT LOCATION SINCE THE OCTOBER 2015 MONITORING EVENT

<100 NOT DETECTED AT OR ABOVE THE INDICATED LABORATORY REPORTING LIMIT

-- NOT SAMPLED / NOT ANALYZED

<100/<100 TWO CONCENTRATIONS ARE SHOWN WHERE DUPLICATE SAMPLES WERE ANALYZED

ND ESTIMATED EXTENT OF DETECTED DISSOLVED TPH IN GROUNDWATER (UPPERMOST AQUIFER)

1,000 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

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 FLOUR DANIEL GTI AND WOODWARD-CLYDE

0 120 240
APPROXIMATE SCALE IN FEET

N

DATE: 12/2016	FILE NAME: DFSP-Norwalk-SE2-16.dwg
PROJECT No.: 091-NDLA-018	CONTRACT: SPO-600-14-D-5410

TOTAL PETROLEUM HYDROCARBONS IN GROUNDWATER OCTOBER 2016

DFSP NORWALK
15306 NORWALK BOULEVARD
NORWALK, CALIFORNIA

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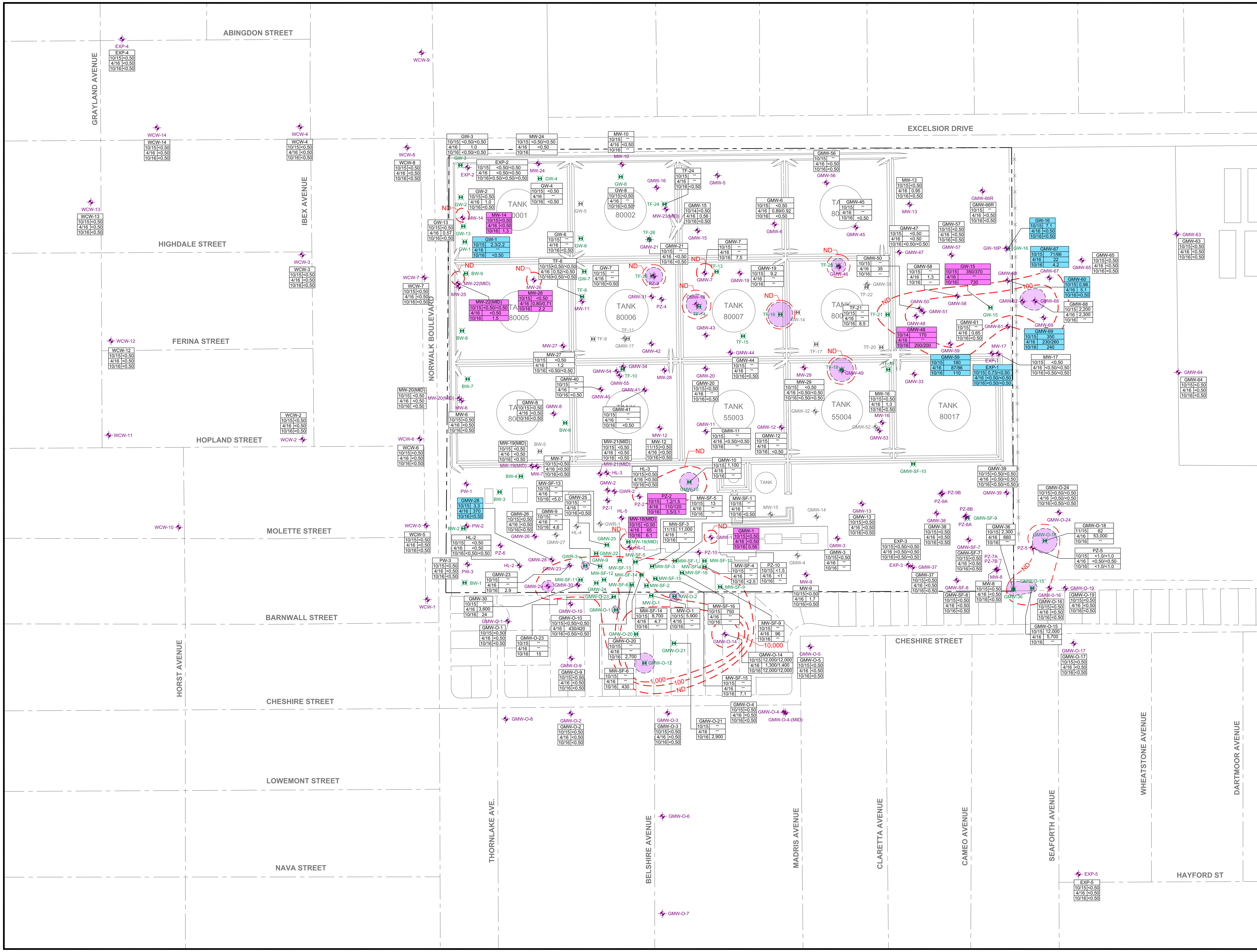
FIGURE 6



EXPLANATION:

FORMER ABOVEGROUND STORAGE TANKS

DFSP NORWALK BORDER

WCW-14 GROUNDWATER MONITORING WELL

TF-26 EXTRACTION WELL USED FOR VAPOR, GROUNDWATER, TOTAL FLUIDS, OR FLOATING PRODUCT EXTRACTION

GMW-14 WELLS SHOWN IN GREY WERE DECOMMISSIONED BY DLA ENERGY PRIOR TO REMEDIAL EXCAVATION

GMW-63	
10/15	<0.50
4/16	<0.50
10/16	<0.50

BENZENE CONCENTRATIONS IN MICROGRAMS PER LITER (µg/L) FOR THE THREE MOST RECENT SEMIANNUAL EVENTS; WHERE THE DATABOX IS SHOWN IN WHITE, THE CONCENTRATION OF BENZENE HAS REMAINED SIMILAR (CONCENTRATION CHANGE IS LESS THAN 10%) AT THAT LOCATION SINCE THE OCTOBER 2015 MONITORING EVENT, OR THE DATASET SHOWN DOES NOT PROVIDE A BASIS FOR COMPARISON

GMW-15	
10/15	350/370
4/16	--
10/16	730

WHERE THE DATABOX IS SHOWN IN RED, THE CONCENTRATION OF BENZENE HAS INCREASED BY 10% OR MORE AT THAT LOCATION SINCE THE OCTOBER 2015 MONITORING EVENT

GMW-59	
10/15	180
4/16	87/86
10/16	110

WHERE THE DATABOX IS SHOWN IN BLUE, THE CONCENTRATION OF BENZENE HAS DECREASED BY 10% OR MORE AT THAT LOCATION SINCE THE OCTOBER 2015 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

1,000 LINE OF EQUAL BENZENE 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

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 FLOUR DANIEL GTI AND WOODWARD-CLYDE

0 120 240
APPROXIMATE SCALE IN FEET

N

DATE: 12/2016	FILE NAME: DFSP-Norwalk-SE2-16.dwg
PROJECT No.: 091-NDLA-018	CONTRACT: SPO-600-14-D-5410

BENZENE IN GROUNDWATER OCTOBER 2016

DFSP NORWALK
15306 NORWALK BOULEVARD
NORWALK, CALIFORNIA

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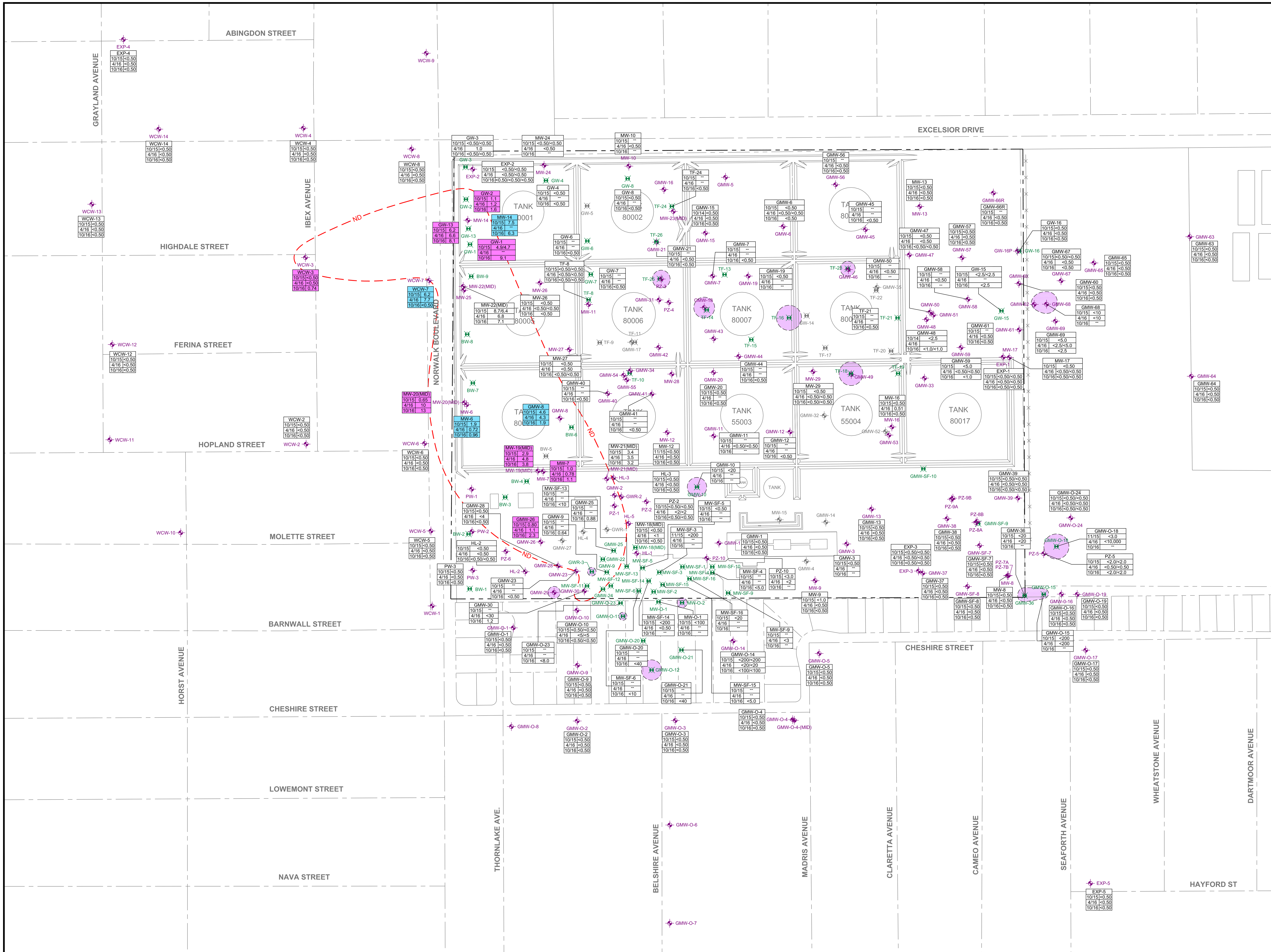
FIGURE 7



EXPLANATION:

FORMER ABOVEGROUND STORAGE TANKS

DFSP NORWALK BORDER

WCW-14 — GROUNDWATER MONITORING WELL

TF-26 — EXTRACTION WELL USED FOR VAPOR, GROUNDWATER, TOTAL FLUIDS, OR FLOATING PRODUCT EXTRACTION

GMW-14 — WELLS SHOWN IN GREY WERE DECOMMISSIONED BY DLA ENERGY PRIOR TO REMEDIAL EXCAVATION

GMW-63	
10/15	<0.50
4/16	<0.50
10/16	<0.50

1,2-DICHLOROETHANE (1,2-DCA) CONCENTRATIONS IN MICROGRAMS PER LITER (µg/L) FOR THE THREE MOST RECENT SEMIANNUAL EVENTS; WHERE THE DATABOX IS SHOWN IN WHITE, THE CONCENTRATION OF 1,2-DCA HAS REMAINED SIMILAR (CONCENTRATION CHANGE IS LESS THAN 10%) AT THAT LOCATION SINCE THE OCTOBER 2015 MONITORING EVENT, OR THE DATASET SHOWN DOES NOT PROVIDE A BASIS FOR COMPARISON

GMW-26	
10/15	0.80
4/16	1.1
10/16	2.3

WHERE THE DATABOX IS SHOWN IN RED, THE CONCENTRATION OF 1,2-DCA HAS INCREASED BY 10% OR MORE AT THAT LOCATION SINCE THE OCTOBER 2015 MONITORING EVENT

MW-6	
10/15	1.9
4/16	0.72
10/16	0.96

WHERE THE DATABOX IS SHOWN IN BLUE, THE CONCENTRATION OF 1,2-DCA HAS DECREASED BY 10% OR MORE AT THAT LOCATION SINCE THE OCTOBER 2015 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 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

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 FLOUR DANIEL GTI AND WOODWARD-CLYDE

0 120 240
APPROXIMATE SCALE IN FEET

N

DATE:	FILE NAME:
12/2016	DFSP-Norwalk-SE2-16.dwg

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

1,2-DICHLOROETHANE IN GROUNDWATER OCTOBER 2016

DFSP NORWALK
15306 NORWALK BOULEVARD
NORWALK, CALIFORNIA

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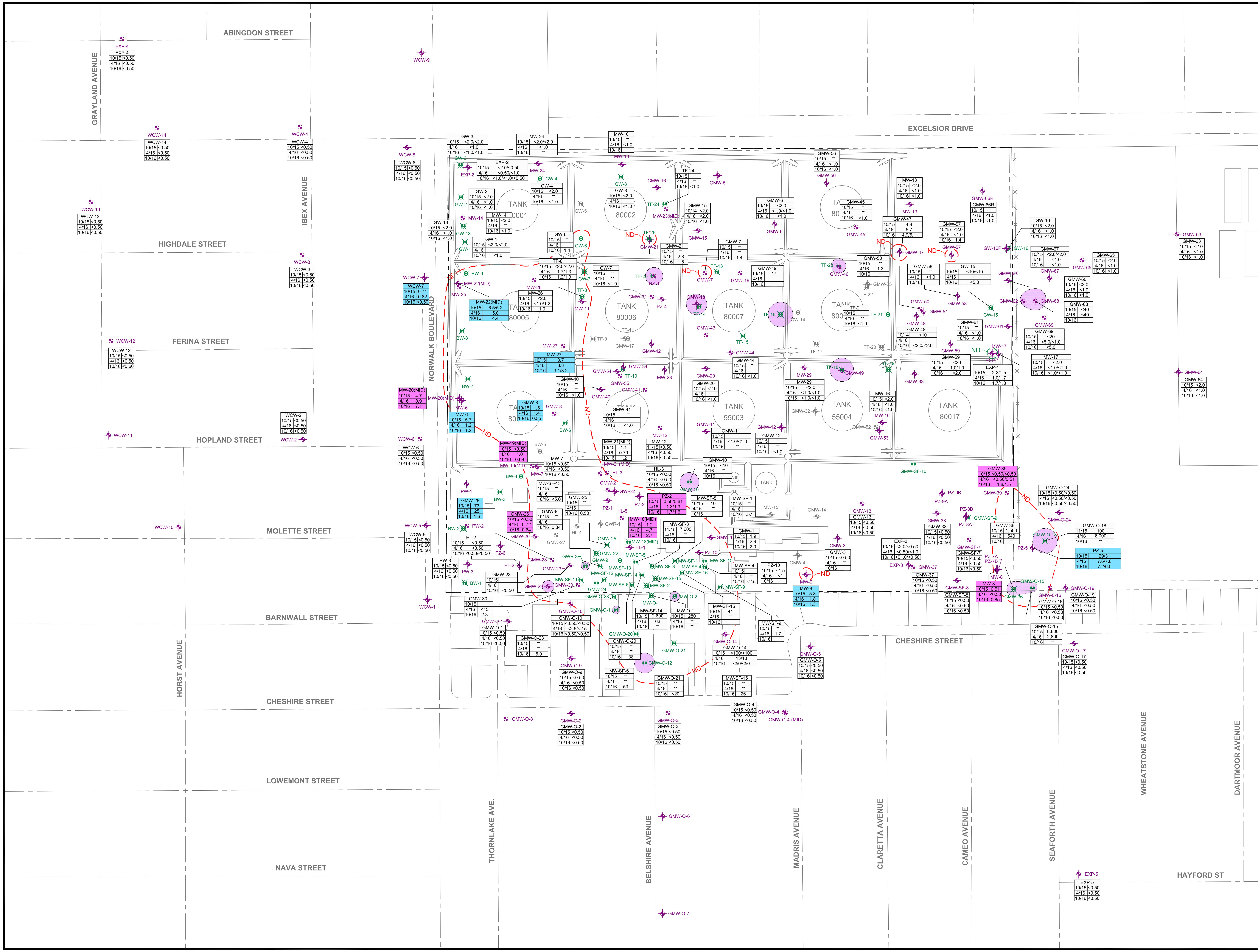
FIGURE 8



EXPLANATION:

(circle)	FORMER ABOVEGROUND STORAGE TANKS
(dashed box)	DFSP NORWALK BORDER
WCW-14	GROUNDWATER MONITORING WELL
TF-26	EXTRACTION WELL USED FOR VAPOR, GROUNDWATER, TOTAL FLUIDS, OR FLOATING PRODUCT EXTRACTION
GMW-14	WELLS SHOWN IN GREY WERE DECOMMISSIONED BY DLA ENERGY PRIOR TO REMEDIAL EXCAVATION
GMW-63: 10/15 <2.0; 4/16 <1.0; 10/16 <1.0	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 OCTOBER 2015 MONITORING EVENT, OR THE DATASET SHOWN DOES NOT PROVIDE A BASIS FOR COMPARISON
GMW-26: 10/15 <0.50; 4/16 0.72; 10/16 0.64	WHERE THE DATABOX IS SHOWN IN RED, THE CONCENTRATION OF MTBE HAS INCREASED BY 10% OR MORE AT THAT LOCATION SINCE THE OCTOBER 2015 MONITORING EVENT
MW-9: 10/15 5.8; 4/16 1.8; 10/16 1.3	WHERE THE DATABOX IS SHOWN IN BLUE, THE CONCENTRATION OF MTBE HAS DECREASED BY 10% OR MORE AT THAT LOCATION SINCE THE OCTOBER 2015 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 (red dashed)	ESTIMATED EXTENT OF DETECTED DISSOLVED MTBE IN GROUNDWATER (UPPERMOST AQUIFER)
1,000 (red dashed)	LINE OF EQUAL MTBE CONCENTRATION IN GROUNDWATER (UPPERMOST AQUIFER)
ND (green dashed)	DATA FOT THE DEEPER EXPOSITION AQUIFER ARE CONTOURED IN GREEN
(shaded circle)	ESTIMATED EXTENT OF MEASURABLE LIGHT NONAQUEOUS PHASE LIQUID (LNAPL, FLOATING PRODUCT) ON GROUNDWATER REFER TO FIGURE 4 OR TABLE 2 FOR MEASURED THICKNESSES

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 FLOUR DANIEL GTI AND WOODWARD-CLYDE

0 120 240
APPROXIMATE SCALE IN FEET

N

DATE:	FILE NAME:
12/2016	DFSP-Norwalk-SE2-16.dwg

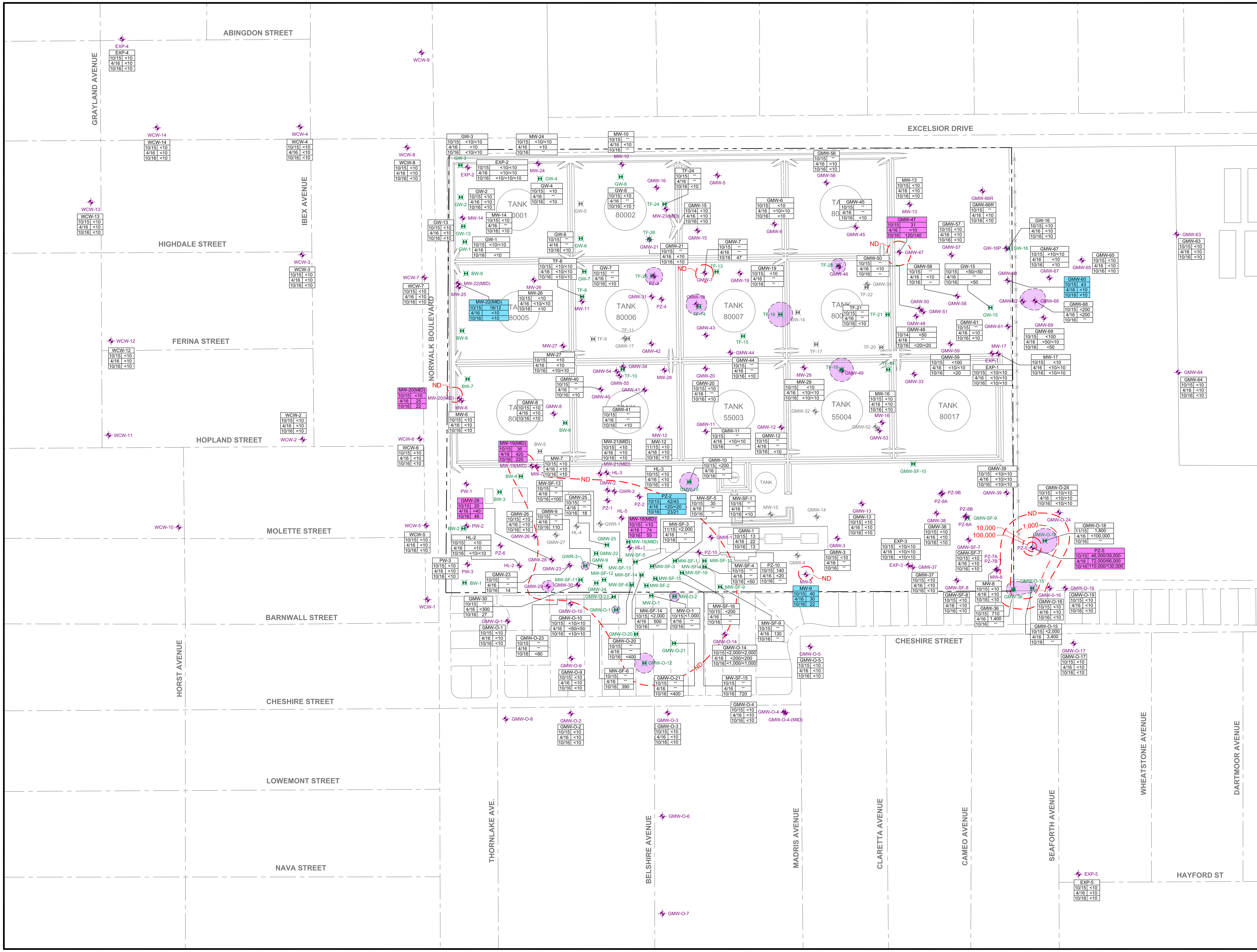
PROJECT No.:	CONTRACT:
091-NDLA-018	SPO-600-14-D-5410

METHYL TERTIARY-BUTYL ETHER IN GROUNDWATER OCTOBER 2016

DFSP NORWALK
15306 NORWALK BOULEVARD
NORWALK, CALIFORNIA

SGI environmental THE SOURCE GROUP, INC.

FIGURE
9



EXPLANATION:

- FORMER ABOVEGROUND STORAGE TANKS
- DFSP NORWALK BORDER
- WCW-14 — GROUNDWATER MONITORING WELL
- TF-26 — EXTRACTION WELL USED FOR VAPOR, GROUNDWATER, TOTAL FLUIDS, OR FLOATING PRODUCT EXTRACTION
- GMW-14 — WELLS SHOWN IN GREY WERE DECOMMISSIONED BY DLA ENERGY PRIOR TO REMEDIAL EXCAVATION
- 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 OCTOBER 2015 MONITORING EVENT, OR THE DATASET SHOWN DOES NOT PROVIDE A BASIS FOR COMPARISON

GMW-63	
10/15	<10
4/16	<10
10/16	<10

- WHERE THE DATABOX IS SHOWN IN RED, THE CONCENTRATION OF TBA HAS INCREASED BY 10% OR MORE AT THAT LOCATION SINCE THE OCTOBER 2015 MONITORING EVENT

GMW-28	
10/15	20
4/16	<40
10/16	46

- WHERE THE DATABOX IS SHOWN IN BLUE, THE CONCENTRATION OF TBA HAS DECREASED BY 10% OR MORE AT THAT LOCATION SINCE THE OCTOBER 2015 MONITORING EVENT

MW-9	
10/15	40
4/16	30
10/16	22

- <10 — NOT DETECTED AT OR ABOVE THE INDICATED LABORATORY REPORTING LIMIT
- -- — NOT SAMPLED / NOT ANALYZED
- <10/<10 — TWO CONCENTRATIONS ARE SHOWN WHERE DUPLICATE SAMPLES WERE ANALYZED
- ND — ESTIMATED EXTENT OF DETECTED DISSOLVED TBA IN GROUNDWATER (UPPERMOST AQUIFER)
- 1,000 — LINE OF EQUAL TBA 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

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 FLOUR DANIEL GTI AND WOODWARD-CLYDE

0 120 240
APPROXIMATE SCALE IN FEET

N

DATE: 12/2016	FILE NAME: DFSP-Norwalk-SE2-16.dwg
PROJECT No.: 091-NDLA-018	CONTRACT: SPO-600-14-D-5410

TERTIARY-BUTYL ALCOHOL IN GROUNDWATER OCTOBER 2016

DFSP NORWALK
15306 NORWALK BOULEVARD
NORWALK, CALIFORNIA

SGI environmental — THE SOURCE GROUP, INC.

FIGURE 10

TABLES

TABLE 1
MONITORING WELL SUMMARY
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)
BW-1	05/16/96	GMX	55.0	5	31.9 - 51.4	0.010	73.17
BW-2	05/20/96	GMX	53.5	5	27 - 46.5	0.010	73.57
BW-3	05/17/96	GMX	55.5	5	30.6 - 50	0.010	74.16
BW-4	05/20/96	GMX	53.1	5	28.2 - 47	0.010	74.61
BW-5*	05/23/96	GMX	52.5	5	27 - 45.5	0.010	73.59
BW-6	05/22/96	GMX	52.4	5	27.6 - 46.9	0.010	73.48
BW-7	05/22/96	GMX	52.0	5	27.1 - 46.3	0.010	74.65
BW-8	05/21/96	GMX	51.5	5	27 - 46.4	0.010	75.08
BW-9	05/21/96	GMX	52.5	5	26.9 - 46.4	0.010	76.19
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**
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-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**	**75.84**
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	74.67
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-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-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

TABLE 1
MONITORING WELL SUMMARY
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-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**
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-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-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	**0'4/12/94**	**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**	**-----**
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	74.44
GMW-44	**07/01/94**	**GTI**	**50.5**	**4**	**20 - 50**	**0.010**	**74.45**
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-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	75.16
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**

TABLE 1
MONITORING WELL SUMMARY
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-65	**07/06/09**	**Parsons**	**41.5**	**4**	**21 - 41**	**0.020**	**76.78**
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**	**CH2MHill**	**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**

TABLE 1
MONITORING WELL SUMMARY
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)
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
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-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-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-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-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**
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**

TABLE 1
MONITORING WELL SUMMARY
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)
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	78.51
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	78.53
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
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

TABLE 1
MONITORING WELL SUMMARY
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)
PZ-10	04/10/03	GMX	38.5	2	23.2 - 37.9	0.020	74.34
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-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-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-18	07/06/94	GTI	50.5	4	20 - 50	0.020	73.94
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-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**	**74.96**
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-23	07/05/94	GTI	50.5	4	20 - 50	0.020	75.31
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
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**

TABLE 1
MONITORING WELL SUMMARY
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)
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.
GMW-21 is also referred to as TF-24.
TF-24 is also referred to as "old TF-24" or "former TF-24."
feet bgs = feet below ground surface
feet MSL = feet above mean sea level
GMX = Geomatrix Consultants
* Well decommissioned by DLA Energy prior to remedial excavation
WCC = Woodward-Clyde Consultants
GTI = Groundwater Technology/Groundwater Technology Government Services, Inc.
FDGTI = Fluor Daniel GTI
----- = information not available
GW = Golden West

TABLE 2
GROUNDWATER ELEVATIONS AND MEASURED PRODUCT THICKNESSES
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 Water (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
EXP-1	10/3/2016	78.44	-----	61.17	-----	17.27
EXP-1	10/3/2016	78.44	-----	61.31	-----	17.13
EXP-2	10/3/2016	79.43	-----	62.18	-----	17.25
EXP-2	10/3/2016	79.43	-----	61.88	-----	17.55
EXP-3	10/3/2016	77.58	-----	60.92	-----	16.66
EXP-3	10/3/2016	77.58	-----	60.52	-----	17.06
EXP-4	10/3/2016	79.81	-----	62.71	-----	17.10
EXP-5	10/3/2016	72.41	-----	55.40	-----	17.01
GMW-1	10/3/2016	74.77	-----	35.80	-----	38.97
GMW-3	Well destroyed					
GMW-4	Well removed prior to remedial excavation					
GMW-5	10/3/2016	77.61	Inaccessible - unable to locate			
GMW-6	10/3/2016	77.31	-----	35.63	-----	41.68
GMW-7	10/3/2016	75.84	-----	34.36	-----	41.48
GMW-8	10/3/2016	73.20	-----	33.47	-----	39.73
GMW-9	10/3/2016	77.16	-----	38.02	-----	39.14
GMW-10	10/3/2016	73.35	33.65	35.10	1.45	-----
GMW-12	10/3/2016	75.21	-----	34.45	-----	40.76
GMW-13	10/3/2016	74.17	-----	33.20	-----	40.97
GMW-14	Well removed prior to remedial excavation					
GMW-15	10/3/2016	76.21	-----	34.51	-----	41.70
GMW-16	10/3/2016	77.00	Inaccessible - unable to locate			
GMW-17	Well removed prior to remedial excavation					
GMW-18	10/3/2016	75.36	33.27	35.34	2.07	-----
GMW-19	10/3/2016	76.83	Inaccessible - unable to locate			
GMW-20	10/3/2016	75.10	-----	34.19	-----	40.91
GMW-21	10/3/2016	76.23	-----	34.38	-----	41.85
GMW-22	10/3/2016	77.24	-----	37.70	-----	39.54
GMW-23	10/3/2016	74.85	-----	36.15	-----	38.70
GMW-24	10/3/2016	77.48	-----	39.31	-----	38.17
GMW-25	10/3/2016	78.14	-----	38.70	-----	39.44
GMW-26	10/3/2016	74.52	-----	35.12	-----	39.40
GMW-27	Well removed prior to remedial excavation					
GMW-28	10/3/2016	74.68	-----	35.81	-----	38.87
GMW-29	10/3/2016	77.57	35.75	36.00	0.25	-----
GMW-30	10/3/2016	74.91	-----	36.30	-----	38.61
GMW-31	10/3/2016	76.50	Inaccessible - unable to locate			
GMW-32	Well removed prior to remedial excavation					
GMW-33	10/3/2016	74.88	Inaccessible - soil in well vault			
GMW-35	Well removed prior to remedial excavation					
GMW-36	10/3/2016	76.66	34.65	35.05	0.40	-----
GMW-37	10/3/2016	77.32	-----	35.10	-----	42.22

TABLE 2
GROUNDWATER ELEVATIONS AND MEASURED PRODUCT THICKNESSES
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 Water (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-38	10/3/2016	75.47	-----	34.10	-----	41.37
GMW-39	10/3/2016	75.05	-----	33.20	-----	41.85
GMW-40	10/3/2016	ns	-----	34.98	-----	-----
GMW-41	10/3/2016	ns	-----	35.97	-----	-----
GMW-42	10/3/2016	75.50	Inaccessible - unable to locate			
GMW-43	10/3/2016	74.44	Inaccessible - unable to locate			
GMW-44	10/3/2016	74.45	-----	33.62	-----	40.83
GMW-45	10/3/2016	ns	-----	34.60	-----	-----
GMW-47	10/3/2016	75.98	-----	34.25	-----	41.73
GMW-48	10/3/2016	ns	-----	37.03	-----	-----
GMW-54	10/3/2016	75.16	Inaccessible - unable to locate			
GMW-56	10/3/2016	76.52	-----	34.73	-----	41.79
GMW-57	10/3/2016	76.66	-----	34.86	-----	41.80
GMW-58	10/3/2016	75.48	Inaccessible - unable to locate			
GMW-59	10/3/2016	75.28	-----	32.24	-----	43.04
GMW-60	10/3/2016	76.24	-----	34.37	-----	41.87
GMW-61	10/3/2016	76.24	-----	33.72	-----	42.52
GMW-62	10/3/2016	76.34	34.72	34.73	0.01	-----
GMW-63	10/3/2016	77.32	-----	34.89	-----	42.43
GMW-64	10/3/2016	75.84	-----	33.45	-----	42.39
GMW-65	10/3/2016	76.78	-----	34.75	-----	42.03
GMW-66R	10/3/2016	79.23	-----	37.35	-----	41.88
GMW-67	10/3/2016	76.00	-----	34.05	-----	41.95
GMW-68	10/3/2016	75.52	32.80	35.80	3.00	-----
GMW-69	10/3/2016	75.31	-----	33.33	-----	41.98
GMW-O-1	10/3/2016	71.45	-----	31.20	-----	40.25
GMW-O-2	10/3/2016	72.54	-----	31.30	-----	41.24
GMW-O-3	10/3/2016	72.19	-----	31.45	-----	40.74
GMW-O-4	10/3/2016	71.95	-----	30.90	-----	41.05
GMW-O-5	10/3/2016	72.36	-----	31.43	-----	40.93
GMW-O-6	10/3/2016	71.41	-----	29.00	-----	42.41
GMW-O-7	10/3/2016	70.98	-----	28.10	-----	42.88
GMW-O-8	10/3/2016	70.91	-----	29.51	-----	41.40
GMW-O-9	10/3/2016	73.50	-----	33.03	-----	40.47
GMW-O-10	10/3/2016	73.98	-----	33.13	-----	40.85
GMW-O-11	10/6/2016	74.17	32.71	32.72	0.01	-----
GMW-O-12	10/3/2016	73.49	31.90	34.20	2.30	-----
GMW-O-14	10/3/2016	74.08	-----	34.08	-----	40.00
GMW-O-15	10/3/2016	74.23	30.92	31.00	0.08	-----
GMW-O-16	10/3/2016	74.10	-----	32.00	-----	42.10
GMW-O-17	10/3/2016	73.78	-----	31.10	-----	42.68
GMW-O-18	12/13/2016	74.36	31.01	35.95	4.94	-----

TABLE 2
GROUNDWATER ELEVATIONS AND MEASURED PRODUCT THICKNESSES
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 Water (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-O-19	10/3/2016	74.46	-----	32.20	-----	42.26
GMW-O-20	10/3/2016	73.32	-----	33.12	-----	40.20
GMW-O-21	10/3/2016	71.43	-----	33.45	-----	37.98
GMW-O-23	10/3/2016	73.63	-----	34.90	-----	38.73
GMW-O-24	10/3/2016	74.39	-----	32.39	-----	42.00
GMW-SF-7	10/3/2016	75.26	-----	33.72	-----	41.54
GMW-SF-8	10/3/2016	76.75	-----	35.01	-----	41.74
GW-1	10/3/2016	75.97	-----	34.47	-----	41.50
GW-2	10/3/2016	75.78	-----	34.08	-----	41.70
GW-3	10/3/2016	75.79	-----	34.29	-----	41.50
GW-4	10/3/2016	73.86	-----	32.82	-----	41.04
GW-5	Well removed prior to remedial excavation					
GW-6	10/3/2016	76.38	-----	34.88	-----	41.50
GW-7	10/3/2016	75.02	-----	33.69	-----	41.33
GW-8	10/3/2016	76.15	-----	34.58	-----	41.57
GW-13	10/3/2016	76.85	-----	35.32	-----	41.53
GW-14	Well removed prior to remedial excavation					
GW-15	10/3/2016	74.94	-----	34.31	-----	40.63
GW-16	10/3/2016	76.33	-----	34.65	-----	41.68
GWR-1	Well removed prior to remedial excavation					
GWR-3	10/3/2016	77.60	39.15	39.20	0.05	-----
HL-2	10/3/2016	76.94	-----	35.17	-----	41.77
HL-3	10/3/2016	76.86	-----	37.22	-----	39.64
MW-6	10/3/2016	77.20	-----	35.13	-----	42.07
MW-7	10/3/2016	78.13	-----	37.90	-----	40.23
MW-8	10/3/2016	76.06	-----	34.20	-----	41.86
MW-9	10/3/2016	77.11	-----	33.56	-----	43.55
MW-12	10/3/2016	75.76	-----	35.84	-----	39.92
MW-13	10/3/2016	78.25	-----	36.45	-----	41.80
MW-14	10/3/2016	78.60	-----	36.37	-----	42.23
MW-15	Well removed prior to remedial excavation					
MW-16	10/3/2016	76.87	-----	35.42	-----	41.45
MW-17	10/3/2016	77.86	-----	36.05	-----	41.81
MW-18 (MID)	10/3/2016	75.67	-----	40.93	-----	34.74
MW-19 (MID)	10/3/2016	78.14	-----	40.60	-----	37.54
MW-20 (MID)	10/3/2016	77.19	-----	38.22	-----	38.97
MW-21 (MID)	10/3/2016	77.55	-----	37.83	-----	39.72
MW-22 (MID)	10/3/2016	79.57	-----	39.79	-----	39.78
MW-24	10/3/2016	78.51	not measured - damaged casing			
MW-26	10/3/2016	77.40	-----	35.90	-----	41.50
MW-27	10/3/2016	78.46	-----	37.16	-----	41.30
MW-28	10/3/2016	78.53	Inaccessible - unable to locate			

TABLE 2
GROUNDWATER ELEVATIONS AND MEASURED PRODUCT THICKNESSES
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 Water (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
MW-29	10/3/2016	79.13	-----	37.74	-----	41.39
MW-O-1	10/3/2016	75.48	-----	DRY (to 32.71)	-----	-----
MW-O-2	10/3/2016	71.90	34.22	34.30	0.08	-----
MW-SF-1	10/3/2016	78.93	-----	39.20	-----	39.73
MW-SF-2	10/3/2016	78.53	-----	39.60	-----	38.93
MW-SF-3	10/3/2016	78.12	-----	39.40	-----	38.72
MW-SF-4	10/3/2016	79.38	-----	41.05	-----	38.33
MW-SF-5	10/3/2016	79.74	-----	DRY (to 37.80)	-----	-----
MW-SF-6	10/3/2016	76.80	-----	38.45	-----	38.35
MW-SF-9	10/3/2016	74.10	Inaccessible due to construction activities			
MW-SF-10	10/3/2016	76.53	-----	DRY (to 30.40)	-----	-----
MW-SF-11	10/3/2016	78.56	-----	40.05	-----	38.51
MW-SF-12	10/3/2016	78.07	-----	39.45	-----	38.62
MW-SF-13	10/3/2016	73.40	-----	34.20	-----	39.20
MW-SF-14	10/3/2016	78.16	-----	DRY (to 40.15)	-----	-----
MW-SF-15	10/3/2016	78.27	-----	39.56	-----	38.71
MW-SF-16	10/3/2016	78.21	-----	39.35	-----	38.86
PW-1	10/3/2016	75.52	-----	DRY (to 28.40)	-----	-----
PW-2	10/3/2016	74.71	-----	DRY (to 25.90)	-----	-----
PW-3	10/3/2016	73.71	-----	33.23	-----	40.48
PZ-2	10/3/2016	73.96	-----	34.67	-----	39.29
PZ-3	10/3/2016	76.17	34.37	35.14	0.77	-----
PZ-5	10/3/2016	73.97	-----	31.00	-----	42.97
PZ-10	10/3/2016	74.34	-----	DRY (to 34.81)	-----	-----
TF-8	10/3/2016	74.86	-----	33.41	-----	41.45
TF-9	Well removed prior to remedial excavation					
TF-15	10/3/2016	74.78	Inaccessible - unable to locate			
TF-16	10/3/2016	75.89	33.73	37.12	3.39	-----
TF-17	Well removed prior to remedial excavation					
TF-18	10/3/2016	73.94	31.61	34.35	2.74	-----
TF-19	10/3/2016	75.07	-----	32.92	-----	42.15
TF-20	Well removed prior to remedial excavation					
TF-21	10/3/2016	ns	-----	36.31	-----	-----
TF-23	10/3/2016	75.31	33.25	33.64	0.39	-----
TF-24	10/3/2016	76.43	-----	34.85	-----	41.58
VEW-1	10/3/2016	NS	-----	DRY (to 12.35)	-----	-----
VEW-2	10/3/2016	NS	-----	DRY (to 29.70)	-----	-----
WCW-1	10/3/2016	72.86	-----	31.50	-----	41.36
WCW-2	10/3/2016	75.34	-----	33.60	-----	41.74
WCW-3	10/3/2016	76.16	-----	34.35	-----	41.81
WCW-4	10/3/2016	78.05	-----	36.10	-----	41.95
WCW-5	10/3/2016	73.49	-----	32.20	-----	41.29

TABLE 2
GROUNDWATER ELEVATIONS AND MEASURED PRODUCT THICKNESSES
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 Water** (feet btc)	**Measured Product Thickness** (feet)	**Groundwater Elevation** (feet MSL)
WCW-6	10/3/2016	75.52	-----	34.00	-----	41.52
WCW-7	10/3/2016	76.44	-----	34.22	-----	42.22
WCW-8	10/3/2016	77.34	-----	35.70	-----	41.64
WCW-9	10/3/2016	77.74	-----	35.29	-----	42.45
WCW-10	10/3/2016	74.06	-----	31.81	-----	42.25
WCW-11	10/3/2016	75.29	-----	33.31	-----	41.98
WCW-12	10/3/2016	76.27	-----	34.60	-----	41.67
WCW-13	10/3/2016	77.70	-----	36.03	-----	41.67
WCW-14	10/3/2016	78.81	-----	36.70	-----	42.11

Notes: feet MSL = feet below mean sea level
feet btc = feet below top of casing
----- = not applicable
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					
GMW-7	5.68	28-May-96	0.00	3-Oct-16	100
GMW-11	2.00*	7-Aug-01	0.00	15-Apr-16	100
GMW-12	0.66	28-May-96	0.00	3-Oct-16	100
GMW-15	0.45*	28-May-96	0.00	3-Oct-16	100
GMW-17	5.82	31-Dec-97	0.00	27-Oct-14	100
GMW-18	6.03	1-May-98	2.07	3-Oct-16	65.7
GMW-20	1.12*	7-Aug-01	0.00	3-Oct-16	100
GMW-21	5.32	28-May-96	0.00	3-Oct-16	100
GMW-34	4.18	20-Nov-96	0.00	1-Oct-10	100
GMW-35	4.52	28-May-96	0.02	27-Oct-14	99.6
GMW-41	0.09	15-Apr-14	0.00	3-Oct-16	100
GMW-42	1.47	28-May-96	0.00	20-Apr-15	100
GMW-45	0.27	15-Apr-14	0.00	3-Oct-16	100
GMW-48	2.21	31-Dec-97	0.00	3-Oct-16	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	3-Oct-16	100
GW-7	0.23*	19-Oct-15	0.00	3-Oct-16	100
MW-11	2.89	28-May-96	0.00	5-Apr-13	100
MW-29	0.25	20-Nov-96	0.00	3-Oct-16	100
PZ-3	6.87	1-May-98	0.77	3-Oct-16	88.8
TF-9	0.04	25-May-99	0.00	27-Oct-14	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	2.82	20-Apr-15	25.2
TF-16	4.10	31-Dec-97	3.39	3-Oct-16	17.3
TF-17	2.96	1-May-06	0.00	27-Oct-14	100
TF-18	2.96	11-Apr-16	2.74	3-Oct-16	7.4
TF-19	2.26	20-Apr-15	0.00	3-Oct-16	100
TF-20	4.19	1-Dec-06	0.03	27-Oct-14	99.3
TF-21	0.36	15-May-00	0.00	3-Oct-16	100
TF-22	1.67	1-May-98	0.00	3-Apr-13	100
TF-23	0.39	3-Oct-16	0.39	3-Oct-16	0.0
TF-24	1.94	25-May-99	0.00	3-Oct-16	100
TF-26	1.10	9-Apr-14	1.10	9-Apr-14	0.0
East-Central Area					
GMW-58	2.71	7-May-01	0.00	13-Apr-16	100
GMW-59	2.17	5-May-00	0.00	3-Oct-16	100
GMW-61	0.02*	20-Oct-15	0.00	3-Oct-16	100
GMW-62	5.63	27-Oct-14	0.01	3-Oct-16	99.8
GMW-68	3.00*	3-Oct-16	3.00	3-Oct-16	0.0
GW-15	6.07	13-Apr-13	0.00	3-Oct-16	100
Truck Rack Area					
GMW-4	5.74	31-Oct-05	0.02	27-Oct-14	99.7
MW-9	1.59	28-Aug-07	0.00	3-Oct-16	100
MW-15	1.23	12-Nov-07	0.00	27-Oct-14	100

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
South-Central Area					
GMW-9	6.67	3-Jul-14	0.00	3-Oct-16	100
GMW-10	7.75	4-Nov-02	1.45	3-Oct-16	81.3
GMW-22	7.42	1-May-98	0.00	3-Oct-16	100
GMW-23	4.18	13-Nov-00	0.00	3-Oct-16	100
GMW-24	6.56	3-Jul-14	0.00	3-Oct-16	100
GMW-25	7.68	1-May-98	0.00	3-Oct-16	100
GMW-27	0.67*	31-Dec-97	0.00	27-Oct-14	100
GMW-28	0.65	1-May-98	0.00	3-Oct-16	100
GMW-29	3.51	19-Oct-15	0.25	3-Oct-16	92.9
GMW-30	6.11	4-May-99	0.00	3-Oct-16	100
GMW-O-11	4.51	3-Nov-14	0.01	6-Oct-16	99.8
GMW-O-12	11.27	30-Oct-15	2.30	3-Oct-16	79.6
GMW-O-13	2.44	20-Nov-96	0.00	8-Apr-02	100
GMW-O-14	0.03*	31-Dec-97	0.00	3-Oct-16	100
GMW-O-20	5.03	7-Oct-13	0.00	3-Oct-16	100
GMW-O-21	2.42	2-Jul-15	0.00	3-Oct-16	100
GMW-O-23	4.56	7-Oct-13	0.00	3-Oct-16	100
GMW-SF-9	1.04	5-Sep-14	0.00	21-Oct-15	100
GWR-3	7.35	24-Jul-15	0.05	3-Oct-16	99.3
MW-18(MID)	0.61	28-May-96	0.00	3-Oct-16	100
MW-O-1	1.53	14-Aug-07	0.00	3-Oct-16	100
MW-O-2	5.19	21-May-15	0.08	3-Oct-16	98.5
MW-O-4	0.05*	4-May-99	0.00	8-Apr-02	100
MW-SF-1	7.17	6-May-14	0.00	3-Oct-16	100
MW-SF-2	16.82	1-Jul-97	0.00	3-Oct-16	100
MW-SF-3	1.53	7-Aug-01	0.00	3-Oct-16	100
MW-SF-4	8.07	19-Nov-99	0.00	3-Oct-16	100
MW-SF-5	0.02	4-Nov-02	0.00	3-Oct-16	100
MW-SF-6	7.94	20-Nov-96	0.00	3-Oct-16	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	3-Oct-16	100
MW-SF-12	5.59	5-Sep-14	0.00	3-Oct-16	100
MW-SF-13	5.85	19-Oct-15	0.00	3-Oct-16	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	3-Oct-16	100
MW-SF-16	0.59	14-Nov-13	0.00	3-Oct-16	100
PZ-2	1.87	9-Aug-99	0.00	3-Oct-16	100
Southeastern Area					
GMW-36	4.50	26-Dec-12	0.40	3-Oct-16	91.1
GMW-O-15	6.00	28-May-96	0.08	3-Oct-16	98.7
GMW-O-18	4.94	13-Dec-16	4.94	13-Dec-16	0.0

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, OCTOBER 2016
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)
EXP-1	SGI	10/7/2016	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	**1.7**	<10	<2.0	<2.0	<2.0
EXP-1	BT	10/7/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	**1.8**	<10	<1.0	<1.0	<1.0
EXP-2	SGI	10/4/2016	<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)	SGI	10/4/2016	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
EXP-2	BT	10/4/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-3	SGI	10/4/2016	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
EXP-3	BT	10/4/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-4	BT	10/4/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-5	BT	10/4/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-1	BT	10/6/2016	**57**	**150**	**0.56**	<0.50	<0.50	**2.9**	<0.50	**2.0**	**13**	<1.0	<1.0	<1.0
GMW-6	SGI	10/7/2016	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-7	SGI	10/11/2016	**560**	**2,000**	**7.5**	<0.50	<0.50	<1.5	<0.50	**1.4**	**47**	<2.0	<2.0	<2.0
GMW-8	BT	10/5/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	**1.9**	**0.55**	<10	<1.0	<1.0	<1.0
GMW-9	BT	10/6/2016	**67**	**140**	**4.6**	<0.50	<0.50	<0.50	**0.64**	**0.84**	**110**	**13**	<1.0	<1.0
GMW-12	SGI	10/10/2016	<100	**1,400**	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-13	BT	10/4/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-15	SGI	10/10/2016	<100	**2,400**	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-20	SGI	10/5/2016	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-21	SGI	10/10/2016	**130**	**2,500**	<0.50	<0.50	<0.50	<1.5	<0.50	**1.5**	<10	<2.0	<2.0	<2.0
GMW-23	BT	10/6/2016	**130**	**6,100**	**2.9**	<0.50	<0.50	<0.50	<0.50	<0.50	**14**	**4.8**	<1.0	<1.0
GMW-25	BT	10/6/2016	**70**	**780**	<0.50	<0.50	<0.50	**1.1**	**0.88**	**0.50**	**18**	**1.2**	<1.0	<1.0
GMW-26	BT	10/6/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	**2.3**	**0.64**	<10	**2.0**	<1.0	<1.0
GMW-28	BT	10/6/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	**1.6**	**46**	**19**	<1.0	<1.0
GMW-30	BT	10/7/2016	**360**	**3,600**	**24**	**0.60**	**2.6**	**3.0**	**1.2**	**2.3**	**27**	**6.0**	<1.0	<1.0
GMW-37	BT	10/4/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-38	BT	10/4/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-39	BT	10/5/2016	<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)	BT	10/5/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	**1.5**	<10	<1.0	<1.0	<1.0
GMW-40	SGI	10/5/2016	<100	**1,100**	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-41	SGI	10/5/2016	<100	**330**	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-44	SGI	10/5/2016	<100	**170**	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-45	SGI	10/10/2016	**2,200**	**4,500**	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-47	SGI	10/7/2016	<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)	SGI	10/7/2016	<100	**1,900**	<0.50	<0.50	<0.50	<1.5	<0.50	**5.1**	**140**	<2.0	<2.0	<2.0
GMW-48	SGI	10/11/2016	**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)	SGI	10/11/2016	**530**	**1,100**	**200**	<1.0	<1.0	<3.0	<1.0	<2.0	<20	<4.0	<4.0	<4.0
GMW-56	SGI	10/4/2016	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0

TABLE 4
ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, OCTOBER 2016
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-57	SGI	10/7/2016	<100	**570**	<0.50	<0.50	<0.50	<1.5	<0.50	**1.4**	<10	<2.0	<2.0	<2.0
GMW-59	SGI	10/11/2016	**470**	**1,800**	**110**	<1.0	<1.0	<3.0	<1.0	<2.0	<20	<4.0	<4.0	<4.0
GMW-60	SGI	10/7/2016	<100	**870**	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-61	SGI	10/7/2016	<100	**390**	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-63	SGI	10/3/2016	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-64	SGI	10/3/2016	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-65	SGI	10/3/2016	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-66R	SGI	10/4/2016	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-67	SGI	10/3/2016	<100	<100	**4.2**	<0.50	**0.96**	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GMW-69	SGI	10/3/2016	**1,600**	**210**	**240**	<2.5	**290**	**188**	<2.5	<5.0	<50	<10	<10	<10
GMW-O-1	BT	10/4/2016	<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	10/4/2016	<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	10/5/2016	<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	10/5/2016	<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	10/4/2016	<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	10/5/2016	<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	10/4/2016	<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)	BT	10/4/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-14	BT	10/7/2016	**30,000**	**640**	**12,000**	**72**	**390**	**290**	<100	<50	<1,000	**220**	<100	<100
DUP-7 (GMW-O-14)	BT	10/7/2016	**32,000**	**530**	**12,000**	**85**	**470**	**330**	<100	<50	<1,000	**230**	<100	<100
GMW-O-16	BT	10/5/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-17	BT	10/4/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-19	BT	10/5/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-20	BT	10/7/2016	**35,000**	**95,000**	**2,700**	**930**	**230**	**4,200**	<40	**38**	<400	<40	<40	<40
GMW-O-21	BT	10/7/2016	**18,000**	**2,000**	**2,900**	**21**	**280**	**1,600**	<40	<20	<400	<40	<40	<40
GMW-O-23	BT	10/7/2016	**2,800**	**170,000**	**15**	<4.0	**9.3**	**110**	<8.0	**5.0**	<80	<8.0	<8.0	<8.0
GMW-O-24	BT	10/4/2016	<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)	BT	10/4/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-SF-7	BT	10/5/2016	<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	10/5/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GW-1	SGI	10/5/2016	<100	<100	<0.50	<0.50	<0.50	<1.5	**9.1**	<1.0	<10	<2.0	<2.0	<2.0
GW-2	SGI	10/5/2016	<100	<100	<0.50	<0.50	<0.50	<1.5	**1.6**	<1.0	<10	<2.0	<2.0	<2.0
GW-3	SGI	10/5/2016	<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)	SGI	10/5/2016	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GW-4	SGI	10/10/2016	<100	**120**	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GW-6	SGI	10/5/2016	<100	**140**	<0.50	<0.50	<0.50	<1.5	<0.50	**1.4**	<10	<2.0	<2.0	<2.0
GW-7	SGI	10/11/2016	<100	**120**	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0

TABLE 4
ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, OCTOBER 2016
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)
GW-8	SGI	10/7/2016	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
GW-13	SGI	10/5/2016	<100	<100	<0.50	<0.50	<0.50	<1.5	**8.1**	<1.0	<10	<2.0	<2.0	<2.0
GW-15	SGI	10/11/2016	**8,700**	**24,000**	**730**	<2.5	<2.5	<7.5	<2.5	<5.0	<50	<10	<10	<10
GW-16	SGI	10/4/2016	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
HL-2	BT	10/5/2016	<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)	BT	10/5/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
HL-3	BT	10/6/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-6	BT	10/5/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	**0.96**	**1.2**	<10	<1.0	<1.0	<1.0
MW-7	BT	10/5/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	**1.1**	<0.50	<10	<1.0	<1.0	<1.0
MW-8	BT	10/5/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	**0.85**	<10	<1.0	<1.0	<1.0
MW-9	BT	10/5/2016	**85**	**280***	<0.50	<0.50	<0.50	<0.50	<0.50	**1.3**	**22**	<1.0	<1.0	<1.0
MW-12	BT	10/5/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-13	SGI	10/4/2016	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
MW-14	SGI	10/4/2016	<100	<100	**1.3**	<0.50	<0.50	<1.5	**6.3**	<1.0	<10	<2.0	<2.0	<2.0
MW-16	SGI	10/7/2016	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
MW-17	SGI	10/4/2016	<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)	SGI	10/4/2016	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
MW-18 (MID)	BT	10/6/2016	**200**	**490**	**6.1**	<0.50	<0.50	**1.5**	<0.50	**2.7**	**55**	**1.3**	<1.0	<1.0
MW-19 (MID)	BT	10/5/2016	**54**	<50	<0.50	<0.50	<0.50	<0.50	**3.8**	**0.68**	**220**	**19**	<1.0	<1.0
MW-20 (MID)	BT	10/5/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	**13**	**7.1**	**22**	**7.2**	<1.0	<1.0
MW-21 (MID)	BT	10/5/2016	**57**	**82**	<0.50	<0.50	<0.50	<0.50	**3.2**	**1.2**	<10	<1.0	<1.0	<1.0
MW-22 (MID)	SGI	10/5/2016	<100	**170**	**1.5**	<0.50	<0.50	<1.5	**7.1**	**4.4**	<10	<2.0	<2.0	<2.0
MW-26	SGI	10/5/2016	**170**	**270**	**2.2**	<0.50	<0.50	<1.5	<0.50	**1.0**	<10	<2.0	<2.0	<2.0
MW-27	SGI	10/5/2016	<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)	SGI	10/5/2016	<100	**250**	<0.50	<0.50	<0.50	<1.5	<0.50	**3.2**	<10	<2.0	<2.0	<2.0
MW-29	SGI	10/7/2016	<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)	SGI	10/7/2016	<100	**230**	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
MW-SF-1	BT	10/7/2016	**55**	**1,200**	<0.50	<0.50	<0.50	<0.50	<0.50	**0.57**	<10	<1.0	<1.0	<1.0
MW-SF-4	BT	10/7/2016	<500	**4,700**	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	<50	<5.0	<5.0	<5.0
MW-SF-6	BT	10/7/2016	**8,400**	**10,000**	**430**	<5.0	**35**	**640**	<10	**53**	**390**	<10	<10	<10
MW-SF-13	BT	10/7/2016	**5,300**	**4,400**	<5.0	<5.0	**200**	**340**	<10	<5.0	<100	<10	<10	<10
MW-SF-15	BT	10/7/2016	<500	**16,000**	**7.1**	<2.5	<2.5	<2.5	<5.0	**26**	**720**	**12**	<5.0	<5.0
PW-3	BT	10/5/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
PZ-2	BT	10/6/2016	**410**	**550**	**3.5**	**0.84**	**8.2**	**22**	<0.50	**1.7**	**23**	<1.0	<1.0	<1.0
DUP-6 (PZ-2)	BT	10/6/2016	**370**	**700**	**3.1**	**0.80**	**7.0**	**20**	<0.50	**1.6**	**21**	<1.0	<1.0	<1.0
PZ-5	BT	10/6/2016	**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)	BT	10/6/2016	**950**	**1,100**	<1.0	<1.0	<1.0	**0.86**	<2.0	**6.5**	**130,000**	<2.0	**2.5**	<2.0

TABLE 4
ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, OCTOBER 2016
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)
TF-8	SGI	10/10/2016	<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)	SGI	10/10/2016	<100	**800**	<0.50	<0.50	<0.50	<1.5	<0.50	**1.3**	<10	<2.0	<2.0	<2.0
TF-21	SGI	10/11/2016	**1,300**	**7,800**	**8.5**	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
TF-24	SGI	10/11/2016	<100	**1,100**	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10	<2.0	<2.0	<2.0
WCW-2	BT	10/4/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-3	BT	10/4/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	**0.74**	<0.50	<10	<1.0	<1.0	<1.0
WCW-4	BT	10/4/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-5	BT	10/5/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-6	BT	10/5/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-7	BT	10/5/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-8	BT	10/4/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-12	BT	10/4/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-13	BT	10/4/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-14	BT	10/4/2016	<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
BT = Blaine Tech Services, Inc.
"DUP" indicates a laboratory-blind duplicate sample.
* TPHd concentration may include contributions from ligher -end hydrocarbons that elute in the DRO range

TABLE 5
SUMMARY OF ADDITIONAL VOLATILE ORGANIC COMPOUNDS DETECTED IN GROUNDWATER, OCTOBER 2016
Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Well	Sampled By	Sample Date	Acetone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Chloromethane	1,1-Dichloroethane	cis-1,2-Dichloroethene	Isopropylbenzene	4-Isopropyltoluene	Naphthalene	n-Propylbenzene	Tetrachloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene
			(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
EXP-1	SGI	10/7/2016	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50
EXP-1	BT	10/7/2016	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
EXP-2	SGI	10/4/2016	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50
DUP-2 (EXP-2)	SGI	10/4/2016	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50
EXP-2	BT	10/4/2016	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
EXP-3	SGI	10/4/2016	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50
EXP-3	BT	10/4/2016	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
EXP-4	BT	10/4/2016	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
EXP-5	BT	10/4/2016	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
GMW-1	BT	10/6/2016	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	**1.2**	<1.0
GMW-6	SGI	10/7/2016	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50
GMW-7	SGI	10/11/2016	<10	<0.50	**1.6**	**0.79**	<0.50	<0.50	<0.50	**4.6**	**1.7**	<2.0	**1.1**	**3.8**	**1.0**	**3.3**
GMW-8	BT	10/5/2016	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
GMW-9	BT	10/6/2016	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50
GMW-12	SGI	10/10/2016	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50
GMW-13	BT	10/4/2016	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
GMW-15	SGI	10/10/2016	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50
GMW-20	SGI	10/5/2016	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50
GMW-21	SGI	10/10/2016	<10	<0.50	**3.4**	**1.1**	<0.50	<0.50	<0.50	**5.4**	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50
GMW-23	BT	10/6/2016	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50
GMW-25	BT	10/6/2016	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50
GMW-26	BT	10/6/2016	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
GMW-28	BT	10/6/2016	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
GMW-30	BT	10/7/2016	<10	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10	**1.7**	<1.0	**2.6**	**1.5**
GMW-37	BT	10/4/2016	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
GMW-38	BT	10/4/2016	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
GMW-39	BT	10/5/2016	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
DUP-1 (GMW-39)	BT	10/5/2016	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
GMW-40	SGI	10/5/2016	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50
GMW-41	SGI	10/5/2016	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50
GMW-44	SGI	10/5/2016	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50
GMW-45	SGI	10/10/2016	<10	<0.50	**4.1**	**1.2**	<0.50	<0.50	<0.50	**17**	<1.0	**6.8**	**13**	<0.50	<0.50	<0.50
GMW-47	SGI	10/7/2016	<10	<0.50	<0.50	<0.50	<0.50	**0.67**	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50
DUP-5 (GMW-47)	SGI	10/7/2016	<10	<0.50	<0.50	<0.50	<0.50	**0.72**	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50
GMW-48	SGI	10/11/2016	<20	<1.0	**2.9**	**1.1**	<1.0	<1.0	**4.0**	**25**	<2.0	<4.0	**2.2**	**1.2**	<1.0	<1.0
DUP-8 (GMW-48)	SGI	10/11/2016	<20	<1.0	**2.6**	<1.0	<1.0	<1.0	**3.7**	**23**	<2.0	<4.0	**2.1**	<1.0	<1.0	<1.0

TABLE 5
SUMMARY OF ADDITIONAL VOLATILE ORGANIC COMPOUNDS DETECTED IN GROUNDWATER, OCTOBER 2016
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)	Chloromethane (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)	Tetrachloroethene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)
GMW-56	SGI	10/4/2016	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50
GMW-57	SGI	10/7/2016	<10	<0.50	<0.50	<0.50	**2.8**	**0.64**	<0.50	**1.7**	<1.0	<2.0	**0.51**	<0.50	<0.50	<0.50
GMW-59	SGI	10/11/2016	<20	<1.0	**4.3**	**1.5**	<1.0	<1.0	**4.8**	**32**	<2.0	**5.1**	**2.5**	**2.3**	<1.0	<1.0
GMW-60	SGI	10/7/2016	**31**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**0.85**	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50
GMW-61	SGI	10/7/2016	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50
GMW-63	SGI	10/3/2016	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50
GMW-64	SGI	10/3/2016	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50
GMW-65	SGI	10/3/2016	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50
GMW-66R	SGI	10/4/2016	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50
GMW-67	SGI	10/3/2016	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**1.1**	<1.0	<2.0	**0.93**	<0.50	**1.4**	<0.50
GMW-69	SGI	10/3/2016	<50	<2.5	**3.2**	<2.5	<2.5	<2.5	<2.5	**28**	<5.0	**45**	**30**	<2.5	**130**	**4.2**
GMW-O-1	BT	10/4/2016	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
GMW-O-2	BT	10/4/2016	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
GMW-O-3	BT	10/5/2016	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
GMW-O-4	BT	10/5/2016	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
GMW-O-5	BT	10/4/2016	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
GMW-O-9	BT	10/5/2016	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
GMW-O-10	BT	10/4/2016	<10	<1.0	<1.0	<1.0	<1.0	**2.4**	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
DUP-2 (GMW-O-10)	BT	10/4/2016	<10	<1.0	<1.0	<1.0	<1.0	**2.5**	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
GMW-O-14	BT	10/7/2016	<2,000	<100	<100	<100	<400	<100	<100	<100	<100	<400	<100	<100	**150**	<100
DUP-7 (GMW-O-14)	BT	10/7/2016	<2,000	<100	<100	<100	<400	<100	<100	<100	<100	<400	<100	<100	**190**	<100
GMW-O-16	BT	10/5/2016	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
GMW-O-17	BT	10/4/2016	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
GMW-O-19	BT	10/5/2016	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
GMW-O-20	BT	10/7/2016	<800	**90**	<40	<40	<160	<40	<40	<40	**58**	**310**	**50**	<40	**1,400**	**600**
GMW-O-21	BT	10/7/2016	<800	**75**	<40	<40	<160	<40	<40	<40	<40	**300**	**71**	<40	**680**	**190**
GMW-O-23	BT	10/7/2016	<160	<8.0	<8.0	<8.0	<32	<8.0	<8.0	<8.0	<8.0	<32	**8.6**	<8.0	**200**	**60**
GMW-O-24	BT	10/4/2016	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
DUP-1 (GMW-O-24)	BT	10/4/2016	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
GMW-SF-7	BT	10/5/2016	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
GMW-SF-8	BT	10/5/2016	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
GW-1	SGI	10/5/2016	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50
GW-2	SGI	10/5/2016	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50
GW-3	SGI	10/5/2016	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50
DUP-4 (GW-3)	SGI	10/5/2016	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50
GW-4	SGI	10/10/2016	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50

TABLE 5
SUMMARY OF ADDITIONAL VOLATILE ORGANIC COMPOUNDS DETECTED IN GROUNDWATER, OCTOBER 2016
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)	Chloromethane (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)	Tetrachloroethene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)
GW-6	SGI	10/5/2016	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50
GW-7	SGI	10/11/2016	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**0.63**	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50
GW-8	SGI	10/7/2016	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50
GW-13	SGI	10/5/2016	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50
GW-15	SGI	10/11/2016	<50	<25	**6.0**	**2.6**	<2.5	<2.5	<2.5	**11**	**16**	**31**	**7.0**	<2.5	**20**	**12**
GW-16	SGI	10/4/2016	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50
HL-2	BT	10/5/2016	<10	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
DUP-2 (HL-2)	BT	10/5/2016	<10	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
HL-3	BT	10/6/2016	<10	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
MW-6	BT	10/5/2016	<10	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
MW-7	BT	10/5/2016	<10	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
MW-8	BT	10/5/2016	<10	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
MW-9	BT	10/5/2016	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
MW-12	BT	10/5/2016	<10	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
MW-13	SGI	10/4/2016	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50
MW-14	SGI	10/4/2016	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50
MW-16	SGI	10/7/2016	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50
MW-17	SGI	10/4/2016	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50
DUP-1 (MW-17)	SGI	10/4/2016	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50
MW-18 (MID)	BT	10/6/2016	<20	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	**3.4**	<1.0	<10	**1.6**	<1.0	<1.0	<1.0
MW-19 (MID)	BT	10/5/2016	<10	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
MW-20 (MID)	BT	10/5/2016	<10	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
MW-21 (MID)	BT	10/5/2016	<10	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
MW-22 (MID)	SGI	10/5/2016	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50
MW-26	SGI	10/5/2016	<10	<0.50	**0.94**	**0.64**	<0.50	<0.50	<0.50	**3.5**	<1.0	**3.8**	**2.7**	<1.0	<0.50	<0.50
MW-27	SGI	10/5/2016	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50
DUP-3 (MW-27)	SGI	10/5/2016	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50
MW-29	SGI	10/7/2016	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50
DUP-6 (MW-29)	SGI	10/7/2016	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50
MW-SF-1	BT	10/7/2016	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
MW-SF-4	BT	10/7/2016	<100	<5.0	<5.0	<5.0	<20	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<5.0	<5.0	<5.0
MW-SF-6	BT	10/7/2016	<200	**48**	<10	<10	<40	<10	<10	<10	<10	**64**	<10	<10	**440**	**310**
MW-SF-13	BT	10/7/2016	<200	<10	<10	<10	<40	<10	<10	**12**	<10	**71**	**26**	<10	**660**	<10
MW-SF-15	BT	10/7/2016	<100	<5.0	<5.0	<5.0	<20	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<5.0	<5.0	<5.0
PW-3	BT	10/5/2016	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0

TABLE 5
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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)	Chloromethane (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)	Tetrachloroethene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)
PZ-2	BT	10/6/2016	<10	<1.0	**1.0**	<1.0	<1.0	<1.0	<1.0	**3.0**	<1.0	<10	**3.5**	<1.0	**12**	**6.3**
DUP-6 (PZ-2)	BT	10/6/2016	<20	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	**2.7**	<1.0	<10	**3.1**	<1.0	**10**	**5.8**
PZ-5	BT	10/6/2016	<40	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<10	<2.0	<2.0	**2.6**	<2.0
DUP-5 (PZ-5)	BT	10/6/2016	<20	<1.0	**1.2**	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	**2.3**	<1.0
TF-8	SGI	10/10/2016	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50
DUP-7 (TF-8)	SGI	10/10/2016	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50
TF-21	SGI	10/11/2016	<10	<0.50	**4.9**	**1.2**	<0.50	<0.50	<0.50	**28**	<1.0	**11**	**22**	**1.7**	<0.50	<0.50
TF-24	SGI	10/11/2016	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**0.63**	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50
WCW-2	BT	10/4/2016	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
WCW-3	BT	10/4/2016	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
WCW-4	BT	10/4/2016	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
WCW-5	BT	10/5/2016	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
WCW-6	BT	10/5/2016	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
WCW-7	BT	10/5/2016	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
WCW-8	BT	10/4/2016	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
WCW-12	BT	10/4/2016	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
WCW-13	BT	10/4/2016	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
WCW-14	BT	10/4/2016	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0

Notes:
Detected concentrations are shown in **bold**.
MEK = methyl ethyl ketone
µg/L = micrograms per liter
SGI = The Source Group, Inc.
BT = Blaine Tech Services, Inc.
<10 = not detected at or above the indicated laboratory reporting limit
"DUP" indicates a laboratory-blind duplicate sample.

TABLE 6
ANALYTICAL RESULTS FOR ANALYTES DETECTED IN FIELD DUPLICATE SAMPLES
Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Sample ID	Sampled By	Sample Date	TPHg (µg/L)	TPHd (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	Methyl tertiary-Butyl Ether (µg/L)	tertiary-Butyl Alcohol (µg/L)	Diisopropyl Ether (µg/L)	Ethyl tertiary-Butyl Ether (µg/L)	sec-Butylbenzene (µg/L)	tert-Butylbenzene (µg/L)	1,1-Dichloroethane (µg/L)	cis-1,2,-Dichloroethene (µg/L)	Isopropylbenzene (µg/L)	n-Propylbenzene (µg/L)	Tetrachloroethene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)
EXP-1	SGI	10/7/2016	<100	<100	<0.50	<0.50	<0.50	<1.5	**1.7**	<10	<2.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
EXP-1	BT	10/7/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	**1.8**	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
EXP-2	SGI	10/4/2016	<100	<100	<0.50	<0.50	<0.50	<1.5	<1.0	<10	<2.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DUP-2 (EXP-2)	SGI	10/4/2016	<100	<100	<0.50	<0.50	<0.50	<1.5	<1.0	<10	<2.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
EXP-2	BT	10/4/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
EXP-3	SGI	10/4/2016	<100	<100	<0.50	<0.50	<0.50	<1.5	<1.0	<10	<2.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
EXP-3	BT	10/4/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
GMW-39	BT	10/5/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	**1.6**	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DUP-1 (GMW-39)	BT	10/5/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	**1.5**	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
GMW-47	SGI	10/7/2016	<100	**2,000**	<0.50	<0.50	<0.50	<1.5	**4.9**	**120**	<2.0	<2.0	<0.50	<0.50	**0.67**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DUP-5 (GMW-47)	SGI	10/7/2016	<100	**1,900**	<0.50	<0.50	<0.50	<1.5	**5.1**	**140**	<2.0	<2.0	<0.50	<0.50	**0.72**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
GMW-48	SGI	10/11/2016	**470**	**1,100**	**200**	<1.0	<1.0	<3.0	<2.0	<20	<4.0	<4.0	**2.9**	**1.1**	<1.0	**4.0**	**25**	**2.2**	**1.2**	<1.0	<1.0
DUP-8 (GMW-48)	SGI	10/11/2016	**530**	**1,100**	**200**	<1.0	<1.0	<3.0	<2.0	<20	<4.0	<4.0	**2.6**	<1.0	<1.0	**3.7**	**23**	**2.1**	<1.0	<1.0	<1.0
GMW-O-10	BT	10/4/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0	<1.0	**2.4**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DUP-2 (GMW-O-10)	BT	10/4/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0	<1.0	**2.5**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
GMW-O-14	BT	10/7/2016	**30,000**	**640**	**12,000**	**72**	**390**	**290**	<50	<1,000	**220**	<100	<100	<100	<100	<100	<100	<100	<100	**150**	<100
DUP-7 (GMW-O-14)	BT	10/7/2016	**32,000**	**530**	**12,000**	**85**	**470**	**330**	<50	<1,000	**230**	<100	<100	<100	<100	<100	<100	<100	<100	**190**	<100
GMW-O-24	BT	10/4/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DUP-1 (GMW-O-24)	BT	10/4/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
GW-3	SGI	10/5/2016	<100	**100**	<0.50	<0.50	<0.50	<1.5	<1.0	<10	<2.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DUP-4 (GW-3)	SGI	10/5/2016	<100	<100	<0.50	<0.50	<0.50	<1.5	<1.0	<10	<2.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
HL-2	BT	10/5/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DUP-2 (HL-2)	BT	10/5/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-17	SGI	10/4/2016	<100	<100	<0.50	<0.50	**0.50**	<1.5	<1.0	<10	<2.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DUP-1 (MW-17)	SGI	10/4/2016	<100	<100	<0.50	<0.50	<0.50	<1.5	<1.0	<10	<2.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-27	SGI	10/5/2016	<100	**220**	<0.50	<0.50	<0.50	<1.5	**3.1**	<10	<2.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DUP-3 (MW-27)	SGI	10/5/2016	<100	**250**	<0.50	<0.50	<0.50	<1.5	**3.2**	<10	<2.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-29	SGI	10/7/2016	<100	**250**	<0.50	<0.50	<0.50	<1.5	<1.0	<10	<2.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DUP-6 (MW-29)	SGI	10/7/2016	<100	**230**	<0.50	<0.50	<0.50	<1.5	<1.0	<10	<2.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
PZ-2	BT	10/6/2016	**410**	**550**	**3.5**	**0.84**	**8.2**	**22**	**1.7**	**23**	<1.0	<1.0	**1.0**	<1.0	<1.0	<1.0	**3.0**	**3.5**	<1.0	**12**	**6.3**
DUP-6 (PZ-2)	BT	10/6/2016	**370**	**700**	**3.1**	**0.80**	**7.0**	**20**	**1.6**	**21**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**2.7**	**3.1**	<1.0	**10**	**5.8**
PZ-5	BT	10/6/2016	**1,200**	**970**	<1.0	<1.0	<1.0	**1.4**	**7.2**	**110,000**	<2.0	**2.7**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	**2.6**	<2.0
DUP-5 (PZ-5)	BT	10/6/2016	**950**	**1,100**	<0.50	<0.50	<0.50	**0.86**	**6.5**	**130,000**	<2.0	**2.5**	**1.2**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**2.3**	<1.0
TF-8	SGI	10/10/2016	<100	**770**	<0.50	<0.50	<0.50	<1.5	**1.2**	<10	<2.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DUP-7 (TF-8)	SGI	10/10/2016	<100	**800**	<0.50	<0.50	<0.50	<1.5	**1.3**	<10	<2.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

Notes: Detected concentrations are shown in **bold**.
TPHg = total petroleum hydrocarbons as gasoline
TPHd = total petroleum hydrocarbons as deisel
µg/L = micrograms per liter

SGI = The Source Group, Inc.
<10 = not detected at or above the indicated laboratory reporting limit
BT = Blaine Tech Services, Inc.
"DUPE" and "DUP" indicate laboratory-blind duplicate samples.

TABLE 7
ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, AND SELECTED VOCS IN TRIP BLANKS AND EQUIPMENT BLANKS

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Sample ID	Sampled By	Sample Date	TPHg (µg/L)	TPHd (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	10/3/2016	-----	-----	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10
QCEB-1	SGI	10/3/2016	-----	-----	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10
QCTB-1	SGI	10/4/2016	-----	-----	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10
QCEB-1	SGI	10/4/2016	-----	-----	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10
TB-1	BT	10/4/2016	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10
EB-1	BT	10/4/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10
EB-2	BT	10/4/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10
EB-2	BT	10/5/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10
QCTB-1	SGI	10/5/2016	-----	-----	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10
QCEB-1	SGI	10/5/2016	-----	-----	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10
TB-2	BT	10/5/2016	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10
EB-3	BT	10/5/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10
QCTB-1	SGI	10/7/2016	-----	-----	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10
QCEB-1	SGI	10/7/2016	-----	-----	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10
TB-3	BT	10/6/2016	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10
EB-5	BT	10/6/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10
EB-6	BT	10/7/2016	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10
QCTB-1	SGI	10/10/2016	-----	-----	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10
QCEB-1	SGI	10/10/2016	-----	-----	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10
TB-4	BT	10/7/2016	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10
QCTB-1	SGI	10/11/2016	-----	-----	<0.50	<0.50	<0.50	<1.5	<0.50	<1.0	<10
QCEB-1	SGI	10/11/2016	-----	-----	<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
<0.50 = not detected at or above the indicated laboratory reporting limit
BT = Blaine Tech Services, Inc.

APPENDIX A

SEMIANNUAL EVENT FIELD FORMS (CD ROM ONLY)

MONITORING WELL GAUGING DATA
Second Semiannual 2016 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
EXP-1	10-3-16	-	61.17	-	
EXP-2	10-3-16		62.18		
EXP-3	10-3-16		60.42		
GMW-5	10-3-16	-	-	-	Unable to locate
GMW-6	10-3-16	-	35.63	-	
GMW-7	10-3-16	-	34.36	-	Sock well
GMW-12	10-3-16	-	34.45	-	
GMW-15	10-3-16	-	34.51	-	
GMW-16					
GMW-17	Well removed prior to remedial excavation.				
GMW-18	10-3-16	33.27	35.34		
GMW-19	10-3-16	-	-	-	Unable to locate
GMW-20	10-3-16	-	34.19	-	
GMW-21	10-3-16	-	34.38	-	
GMW-31	10-3-16	-	-	-	Unable to locate
GMW-32	Well removed prior to remedial excavation.				
GMW-33	10-3-16	-	Dry	-	Soil in well.
GMW-35	Well removed prior to remedial excavation.				
GMW-40	10-3-16	-	34.98	-	
GMW-41	10-3-16	-	35.97	-	
GMW-42	10-3-16	-	-	-	Unable to locate
GMW-43	10-3-16	-	-	-	Unable to locate
GMW-44	10-3-16	-	33.62	-	
GMW-45	10-3-16	-	34.60	-	Casing added to well
GMW-47	10-3-16	-	34.25	-	
GMW-48	10-3-16	-	37.03	-	Casing added to well
GMW-54	10-3-16	-	-	-	Unable to locate

MONITORING WELL GAUGING DATA
Second Semiannual 2016 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	10-3-16	–	34.73	–	
GMW-57	10-3-16		34.86		
GMW-58	10-3-16				Unable to locate
GMW-59	10-3-16	–	32.24	–	
GMW-60	10-3-16		34.37		
GMW-61	10-3-16		33.72		
GMW-62					
GMW-63					
GMW-64					
GMW-65					
GMW-66R	10-3-16		37.35		
GMW-67					
GMW-68					
GMW-69					
GW-1	10-3-16		34.37		
GW-2	10-3-16		34.08		
GW-3	10-3-16		34.29		
GW-4	10-3-16		32.82		
GW-5	Well removed prior to remedial excavation.				
GW-6	10-3-16		34.88		
GW-7	10-3-16		33.65		
GW-8	10-3-16		34.58		
GW-13	10-3-16		35.32		
GW-14	Well removed prior to remedial excavation.				
GW-15	10-3-16		34.31		GWTS pumping well
GW-16	10-3-16		34.65		"
MW-13	10-3-16	–	36.45	–	

MONITORING WELL GAUGING DATA
Second Semiannual 2016 Monitoring Event
Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Well ID	Date Measured 10-3-16	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Notes
GMW-54					
GMW-56					
GMW-57					
GMW-58					
GMW-59					
GMW-60					
GMW-61					
GMW-62	11 50 A	34.72	34.73	0.01 SH	SOCK/CAGE in well.
GMW-63	8 55 A	Ø	34.89	Ø	
GMW-64	9 30	Ø	33.45	Ø	
GMW-65	10 00	Ø	34.75	Ø	
GMW-66R					
GMW-67	10 35	Ø ~~34.05~~	34.05	Ø	
GMW-68	11 40 Am	32.80	35.80	3.00 PT	
GMW-69	11 10 Am	Ø	33.33	Ø	
GW-1					
GW-2					
GW-3					
GW-4					
GW-5	Well removed prior to remedial excavation.				
GW-6					
GW-7					
GW-8					
GW-13					
GW-14	Well removed prior to remedial excavation.				
GW-15					

MONITORING WELL GAUGING DATA
Second Semiannual 2016 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-14	10-3-16		36.37		
MW-16	10-3-16		35.42		
MW-17	10-3-16	–	36.05		
MW-22-MID	10-3-16	–	39.75	–	
MW-24	10-3-16		NM		Casing loose/damaged
MW-26	10-3-16		35.90		
MW-27	10-3-16		37.16		
MW-28	10-3-16	–	–	–	unable to locate
MW-29	10-3-16	–	37.74	–	
PZ-3	10-3-16	34.37	35.14		
TF-8	10-3-16		33.41		
TF-9	Well removed prior to remedial excavation.				
TF-15					
TF-16	10-3-16	33.73	37.12		
TF-17	Well removed prior to remedial excavation.				
TF-18	10-3-16	31.61	34.35		Pumping well
TF-19	10-3-16	–	32.92	–	Sock well
TF-20	Well removed prior to remedial excavation.				
TF-21	10-3-16	–	36.31	–	Casing added to well
TF-23	10-3-16	33.25	33.64		
TF-24	10-3-16	–	34.85		

Notes: Sample wells in **BOLD** text
feet btc = feet below top of well casing

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5

Client/Station: Defense Fuel Support Point Norwalk 82-122 SCR IN

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: EXP-1

Well Diameter: 4"

Date: 10-7-16

128.50 -- 61.17 = 67.33
TD DTW Water Column

Pump Intake Depth, Screened Above Water Table: ~~67.33~~ 61.17 + 1/2(33.67) = 94.84
DTW Water Column Pump Intake Depth

< OR >

Pump Intake Depth, Submerged Screen: 82 +1/2(20) = 102'
Top of Screen Depth Screen Length Pump Intake Depth

Date Purged: 10-7-16 Start (24 Hour) 1125 End (24 Hour) 1145

Date Sampled: 10-7-16 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)	TURBITY (visual or NTU)
1127	.25	NT	7.49	1.018	-120.7	22.25	2.48	clea	NT
1129	.50	61.25	7.47	1.019	-121.6	22.25	2.16	"	1.04
1131	.75	61.28	7.46	1.019	-121.5	22.24	1.94	"	0.97
1133	1.0	NT	7.45	1.021	-120.7	22.22	1.71	"	0.93
1135	1.25	NT	7.43	1.022	-119.3	22.23	1.60	"	NT
1137	1.50	61.32	7.42	1.022	-117.3	22.25	1.29	"	NT
1139	1.75	61.35	7.42	1.022	-116.5	22.25	1.04	"	1.01
1141	2.0	NT	7.41	1.022	-115.7	22.29	1.20	"	0.93
1143	2.25	NT	7.41	1.023	-115.1	22.31	1.16	"	NT
1145	2.50	61.35	7.41	1.023	-114.7	22.33	1.13	"	0.89

PURGING EQUIPMENT			
	Centrifugal Pump		Vac Truck
	Submersible Pump		Disposable Pump
✓	Other: Low Flow Submersible Pump		

SAMPLING EQUIPMENT			
	Centrifugal Pump		Teflon Bailer
	Submersible Pump		Disposable Bailer
✓	Other : Dedicated Tubing		

Remarks: split sample w/ Blaintech

Completed By (Print Name): Dave Lubben

Signature: [signature]

Reviewed By: DS

Date: 11/16/16

The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

90-120 SCRINT

Well ID: EXP-2

Well Diameter: 4"

Date: 10-4-16

149.00 (TD) -- 62.18 (DTW) = 86.82 (Water Column)

Pump Intake Depth, Screened Above Water Table:

62.18 (DTW) + 1/2(43.41 (Water Column)) = 105.59 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

90 (Top of Screen Depth) +1/2(15 (Screen Length)) = 105 (Pump Intake Depth)

Date Purged: 10-4-16 **Start (24 Hour)** 12 30 pm **End (24 Hour)** 1250

Date Sampled: 10-4-16 **Start (24 Hour)** 1250 **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)
1232	.25	ND	7.35	1.676	-50.9	22.60	NT	clear	1.19
1234	.50	62.25	7.30	1.680	-43.9	22.20	3.69	"	1.04
1236	.75	62.28	7.26	1.684	-42.1	22.18	3.11	"	NT
1238	1.0	62.30	7.23	1.686	-40.4	22.11	2.66	"	NT
1240	1.25	NT	7.21	1.686	-38.8	22.07	2.30	"	1.33
1242	1.5	NT	7.20	1.686	-37.7	22.03	2.06	"	1.14
1244	1.75	62.33	7.19	1.685	-36.8	22.01	1.87	"	1.09
1246	2.0	NT	7.19	1.685	-36.1	22.00	1.75	"	NT
1248	2.25	NT	7.19	1.684	-35.6	22.00	1.71	"	NT
1250	2.5	62.35	7.18	1.684	-35.2	21.99	1.67	"	1.17

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: DUP-2 obtained here.
splits obtained for BLAINetech

Completed By (Print Name): Dave Lubben

Signature: [signature]

Reviewed By: DS

Date: 11/16/16

The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

SCR-INT
85-115

Well ID: EXP-3

Well Diameter: 4"

Date: 10-4-16

150.00 (TD) -- 60.42 (DTW) = 89.56 (Water Column)

Pump Intake Depth, Screened Above Water Table:

89.56 (DTW) + 1/2(44.78 (Water Column)) = 134.34 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

85' (Top of Screen Depth) +1/2(15' (Screen Length)) = 100' (Pump Intake Depth)

Date Purged: 10-4-16 Start (24 Hour) 835 End (24 Hour) 855

Date Sampled: 10-4-16 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)	TEMPERATURE (°F/°C)	D.O. (mg/L)	COLOR (visual)	TURBITY (visual or NTU)
837	.25	NT	7.43	1.046	-66.4	21.65	1.22	clear	NT
839	.50	60.48	7.40	1.047	-66.3	21.66	1.16	"	1.22
841	.75	60.50	7.39	1.048	-65.3	21.67	1.11	"	1.16
843	1.0	60.52	7.37	1.047	-62.9	21.69	1.05	"	1.18
845	1.25	NT	7.36	1.046	-62.1	21.71	1.02	"	NT
847	1.5	NT	7.35	1.046	-61.4	21.70	1.02	"	NT
849	1.75	60.57	7.35	1.046	-60.9	21.70	1.00	"	1.22
851	2.0	60.58	7.35	1.045	-60.3	21.71	0.96	"	1.02
853	2.25	NT	7.35	1.045	-59.9	21.71	0.95	"	NT
855	2.50	60.60	7.35	1.045	-59.5	21.71	0.95	"	1.01

PURGING EQUIPMENT			
	Centrifugal Pump		Vac Truck
	Submersible Pump		Disposable Pump
Ø	Other: Low Flow Submersible Pump		

SAMPLING EQUIPMENT			
	Centrifugal Pump		Teflon Bailer
	Submersible Pump		Disposable Bailer
Ø	Other : Dedicated Tubing		

Remarks:
obtain split samples for BlaineTech.

Completed By (Print Name): Dave Lubben

Signature: [signature]

Reviewed By: DS

Date: 11/16/16

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The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5

Client/Station: Defense Fuel Support Point Norwalk 25-50

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GMW-6

Well Diameter: 4"

Date: 10-7-16

50.00 (TD) - 35.63 (DTW) = 14.37 (Water Column)

Pump Intake Depth, Screened Above Water Table:

35.63 (DTW) + 1/2(7.19 (Water Column)) = 42.82 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

— (Top of Screen Depth) +1/2(— (Screen Length)) = ≈43 (Pump Intake Depth)

Date Purged: 10-7-16 **Start (24 Hour)** 840 **End (24 Hour)** 900

Date Sampled: 10-7-16 **Start (24 Hour)** 900 **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)
842	.25	MT	7.47	0.691	-29.9	22.29	4.45	clear	1.47
844	.50	35.71	7.44	0.691	-31.3	22.30	2.69	"	1.31
846	.75	35.74	7.38	0.690	-28.4	22.33	1.63	"	MT
848	1.0	35.76	7.36	0.690	-27.8	22.33	1.43	"	MT
850	1.25	MT	7.35	0.689	-27.1	22.34	1.31	"	1.23
852	1.5	MT	7.35	0.689	-26.6	22.36	1.13	"	1.33
854	1.75	35.80	7.34	0.688	-26.4	22.37	1.10	"	MT
856	2.0	35.80	7.33	0.689	-25.8	22.36	1.07	"	MT
858	2.25	MT	7.33	0.689	-25.4	22.37	1.05	"	1.19
900	2.50	MT	7.31	0.688	-25.0	22.39	1.02	"	1.22

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:

Completed By (Print Name): Dave Lubben

Signature: [signature]

Reviewed By: DS

Date: 11/16/16

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The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5

Well ID: GMW-7

Client/Station: Defense Fuel Support Point Norwalk

SCR-INT
25-50

Well Diameter: 4"

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Date: 10-11-16

50.00 (TD) -- 34.36 (DTW) = 15.64 (Water Column)

Pump Intake Depth, Screened Above Water Table: 34.36 (DTW) + 1/2(7.82 Water Column) = 42.18 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen: — (Top of Screen Depth) +1/2(— Screen Length) = @42' (Pump Intake Depth)

Date Purged: 10-11-16 **Start (24 Hour)** 1000 **End (24 Hour)** 1020

Date Sampled: 10-11-16 **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)	TURBITY (visual or NTU)
1002	.25	NT	6.95	1.395	-51.6	25.58	2.86	clear	37.9
1004	.50	36.44	6.91	1.395	-53.6	25.40	NT	"	33.8
1006	.75	36.47	6.89	1.396	-62.7	25.86	1.75	"	NT
1008	1.0	NT	6.90	1.398	-74.3	25.93	1.33	"	29.4
1010	1.25	NT	6.90	1.399	-79.6	25.98	NT	"	28.7
1012	1.50	36.54	6.90	1.401	-81.1	26.01	NT	"	NT
1014	1.75	36.55	6.91	1.401	-82.6	26.10	0.73	"	NT
1016	2.0	NT	6.91	1.400	-83.5	26.13	0.72	"	21.6
1018	2.25	NT	6.91	1.400	-84.1	26.15	0.71	"	21.0
1020	2.50	36.56	6.91	1.401	-84.4	26.17	0.69	"	19.4

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:

Completed By (Print Name): Dave Lubben

Signature: [signature]

Reviewed By: DS

Date: 11/16/16

The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5

Well ID: GMW-12

Client/Station: Defense Fuel Support Point Norwalk 25-50

Well Diameter: 4"

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Date: 10-10-16

50.00 (TD) -- 34.45 (DTW) = 15.55 (Water Column)

Pump Intake Depth, Screened Above Water Table:

34.45 (DTW) + 1/2(7.78 (Water Column)) = 42.23 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

____ (Top of Screen Depth) +1/2(____ (Screen Length)) = e42 (Pump Intake Depth)

Date Purged: 10-10-16 **Start (24 Hour)** 745Am **End (24 Hour)** 805

Date Sampled: 10-10-16 **Start (24 Hour)** 805 **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)
747	.25	34.49	6.97	1367	-71.8	23.14	6.43	Clear	69.4
749	.50	34.54	6.95	1.365	-72.3	23.17	NT	"	NT
751	.75	NT	6.94	1.363	-70.2	23.19	NT	"	NT
753	1.0	NT	6.93	1.362	-70.0	23.20	6.04	"	58.8
755	1.25	34.58	6.93	1.362	-72.6	23.20	4.47	"	NT
757	1.50	34.60	6.93	1.362	-74.0	23.21	3.84	"	NT
759	1.75	NT	6.92	1.361	-76.3	23.21	3.21	"	51.3
801	2.0	NT	6.92	1.361	-75.9	23.21	3.06	"	NT
803	2.25	34.63	6.92	1.360	-79.5	23.22	2.99	"	43.6
805	2.5	34.64	6.91	1.360	-79.3	23.23	2.95	"	41.0

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

Remarks:

1413 us/cm

Completed By (Print Name): Dave Lubben

Signature: [signature]

Reviewed By: DS

Date: 11/16/16

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The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5

Client/Station: Defense Fuel Support Point Norwalk

25-50 SCR-INT.

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GMW-15

Well Diameter: 4"

Date: 10-10-16

50.00 (TD) - 34.51 (DTW) = 15.49 (Water Column)

Pump Intake Depth, Screened Above Water Table:

34.51 (DTW) + 1/2(7.75 (Water Column)) = 42.26 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

— (Top of Screen Depth) +1/2(— (Screen Length)) = ≈42 (Pump Intake Depth)

Date Purged: 10-10-16 **Start (24 Hour)** 1005 **End (24 Hour)** 1025

Date Sampled: 10-10-16 **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)	TURBITY (visual or NTU)
1007	.25	NT	7.21	1.507	18.2	24.04	6.13	clear	NT
1009	.50	34.60	7.16	1.503	13.0	24.00	NT	BROWN	XXXX 1000+
1011	.75	34.64	7.14	1.500	9.3	23.97	4.15	lite brown	314.1
1013	1.0	NT	7.11	1.495	3.3	23.96	2.88	"	NT
1015	1.25	NM	7.10	1.490	0.01	23.95	2.31	"	211.1
1017	1.50	34.68	7.08	1.485	-3.0	23.96	2.06	"	NT
1019	1.75	NT	7.07	1.481	-6.0	23.96	1.93	"	NM
1021	2.0	NT	7.07	1.477	-7.4	23.96	1.85	"	114.6
1023	2.25	34.71	7.07	1.473	-8.0	23.96	1.77	"	101.3
1025	2.50	34.72	7.06	1.471	-8.2	23.95	1.74	"	88.9

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:

Completed By (Print Name): Dave Lubben

Signature: Dave Lubben

Reviewed By: DS

Date: 11/16/16

The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

X-50
SCR-IWT

Well ID: GMW-20

Well Diameter: 4"

Date: 10-5-16

50.00 -- 34.19 = 15.81
TD -- DTW = Water Column

Pump Intake Depth, Screened Above Water Table:

34.19 + 1/2(7.91) = 42.10
DTW + 1/2(Water Column) = Pump Intake Depth

< OR >

Pump Intake Depth, Submerged Screen:

— + 1/2(—) = 042
Top of Screen Depth + 1/2(Screen Length) = Pump Intake Depth

Date Purged: 10-5-16 **Start (24 Hour)** 855 **End (24 Hour)** 915

Date Sampled: 10-5-16 **Start (24 Hour)** 915 **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)
857	.25	NT	7.21	0.891	34.5	22.53	5.63	clear	43.9
859	.50	34.25	7.19	0.892	37.1	22.65	2.27	"	31.6
901	.75	34.28	7.18	0.891	37.9	22.67	1.80	"	NT
903	1.0	34.30	7.17	0.891	38.5	22.68	1.66	"	NT
905	1.25	NT	7.17	0.891	39.0	22.70	1.53	"	20.4
907	1.50	NT	7.17	0.891	39.4	22.70	1.48	"	13.1
909	1.75	34.33	7.17	0.892	39.5	22.71	1.43	"	NT
911	2.0	34.34	7.16	0.892	39.3	22.73	1.37	"	10.3
913	2.25	NT	7.16	0.892	39.5	22.72	1.33	"	8.9
915	2.5	NT	7.16	0.893	39.6	22.73	1.30	"	9.1

PURGING EQUIPMENT			
	Centrifugal Pump		Vac Truck
	Submersible Pump		Disposable Pump
⊘	Other: Low Flow Submersible Pump		

SAMPLING EQUIPMENT			
	Centrifugal Pump		Teflon Bailer
	Submersible Pump		Disposable Bailer
⊘	Other : Dedicated Tubing		

Remarks:

Completed By (Print Name): Dave Lubben

Signature: [signature]

Reviewed By: DS

Date: 11/16/16

The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5
Client/Station: Defense Fuel Support Point Norwalk 25.50 SCR/INT
Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GMW-21
Well Diameter: 4"
Date: 10-10-16

50.00 (TD) -- 34.38 (DTW) = 15.62 (Water Column)

Pump Intake Depth, Screened Above Water Table:

34.38 (DTW) + 1/2(7.81 (Water Column)) = 42.19 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

— (Top of Screen Depth) +1/2(— (Screen Length)) = 42 (Pump Intake Depth)

Date Purged: 10-10-16 Start (24 Hour) 930 AM End (24 Hour) 950
Date Sampled: 10-10-16 Start (24 Hour) 950 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)
932	.25	NT	7.11	1.199	-88.2	25.40	0.62	clear	NT
934	.50	34.45	7.10	1.199	-94.3	25.28	0.56	"	25.7
936	.75	34.48	7.10	1.198	-96.9	25.22	0.48	"	NT
938	1.0	NT	7.10	1.200	-104.8	25.20	0.44	"	18.6
940	1.25	NT	7.10	1.200	-107.1	25.26	0.43	"	14.3
942	1.50	34.55	7.10	1.201	-111.3	25.30	0.41	"	15.1
944	1.75	34.56	7.10	1.201	-113.4	25.31	0.41	"	NT
946	2.0	NT	7.09	1.202	114.0	25.30	0.42	"	NT
948	2.25	34.58	7.09	1.202	114.4	25.30	0.43	"	12.6
950	2.50	34.58	7.09	1.202	114.9	25.30	0.41	"	12.2

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:
H2S odor

Completed By (Print Name): Dave Lubben ✓ Signature: [signature]

Reviewed By: DS Date: 11/16/16

The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5

Client/Station: Defense Fuel Support Point Norwalk

20-50
SCR-INT

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GMW-40

Well Diameter: 4"

Date: 10-5-16

50.50 (TD) -- 34.98 (DTW) = 15.52 (Water Column)

Pump Intake Depth, Screened Above Water Table: < OR > **Pump Intake Depth, Submerged Screen:**

34.98 (DTW) + 1/2(7.76 (Water Column)) = 42.74 (Pump Intake Depth)

— (Top of Screen Depth) +1/2(— (Screen Length)) = @43 (Pump Intake Depth)

Date Purged: 10-5-16 **Start (24 Hour)** 745 AM **End (24 Hour)** 805

Date Sampled: 10-5-16 **Start (24 Hour)** 805 **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)
747	.25	NT	6.82	2,214	-16.8	22.81	2.82	Cloudy	313.0
749	.50	35.06	6.82	2.214	-19.6	22.86	2.43	"	542.0
751	.75	35.09	6.81	2.215	-21.7	22.90	2.16	"	NT
753	1.0	35.11	6.81	2.215	-23.6	22.93	2.01	"	NT
755	1.25	NT	6.81	2.216	-24.9	22.96	1.88	"	191.0
757	1.50	NA	6.81	2.216	-25.9	22.99	1.81	"	NT
759	1.75	35.15	6.81	2.216	-26.5	22.99	1.73	"	NT
801	2.0	35.18	6.81	2216	-27.3	23.01	1.65	"	NT
803	2.25	NT	6.81	2.217	-27.9	23.01	1.60	"	73.7
805	2.50	35.20	6.81	2.217	-28.2	23.02	1.56	"	63.4

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

Remarks:

Completed By (Print Name): Dave Lubben ✓

Signature: [signature]

Reviewed By: DS

Date: 11/16/16

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The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GMW-41

Well Diameter: 4"

Date: 10-5-16

50.50 (TD) -- 35.97 (DTW) = 14.53 (Water Column)

Pump Intake Depth, Screened Above Water Table: 35.97 (DTW) + 1/2(7.27 (Water Column)) = 43.24 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen: — (Top of Screen Depth) +1/2(— (Screen Length)) = c 43 (Pump Intake Depth)

Date Purged: 10-5-16 **Start (24 Hour)** 820 **End (24 Hour)** 840

Date Sampled: 10-5-16 **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)	TURBITY (visual or NTU)
822	.25	NT	7.27	0.911	0.5	22.67	0.96	clear	34.2
824	.50	36.06	7.25	0.909	2.2	22.79	0.80	"	17.3
826	.75	36.10	7.24	0.908	3.4	22.84	0.74	"	NT
828	1.0	NT	7.24	0.909	4.1	22.87	0.69	"	13.1
830	1.25	NT	7.23	0.909	4.6	22.88	0.67	"	NT
832	1.50	36.15	7.22	0.909	5.1	22.89	0.64	"	11.3
834	1.75	36.16	7.22	0.909	5.5	22.90	0.62	"	9.6
836	2.0	NT	7.22	0.909	5.9	22.92	0.60	"	NT
838	2.25	NT	7.22	0.907	6.2	22.91	0.59	"	8.8
840	2.5	36.17	7.22	0.906	6.4	22.93	0.58	"	7.6

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

Remarks:

Completed By (Print Name): Dave Lubben ✓

Signature: [signature]

Reviewed By: DS

Date: 11/16/16

The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GMW-44

Well Diameter: 4"

Date: 10-5-16

50.50 (TD) -- 33.62 (DTW) = 16.88 (Water Column)

Pump Intake Depth, Screened Above Water Table:

33.62 (DTW) + 1/2(8.44 (Water Column)) = 42.06 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

— (Top of Screen Depth) +1/2(— (Screen Length)) = 42 (Pump Intake Depth)

Date Purged: 10-5-16 **Start (24 Hour)** 9 30 Am **End (24 Hour)** 950

Date Sampled: 10-5-16 **Start (24 Hour)** 950 **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)
932	.25	NT	7.03	0.909	27.9	23.34	1.02	clear	29.0
934	.50	3370	6.99	0.909	29.9	23.27	0.72	"	21.3
930	.75	33.73	6.96	0.909	32.5	23.27	0.58	"	NT
938	1.0	NT	6.94	0.909	32.8	23.27	0.54	"	NT
940	1.25	NT	6.93	0.908	33.0	23.28	0.54	"	13.7
942	1.50	33.78	6.93	0.909	32.6	23.30	0.51	"	11.0
944	1.75	3380	6.92	0.909	32.1	23.32	0.50	"	NT
946	2.0	NT	6.92	0.909	31.8	23.32	0.49	"	NT
948	2.25	NT	6.91	0.909	31.7	23.33	0.50	"	9.1
950	2.5	3381	6.91	0.909	31.5	23.33	0.48	"	9.3

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:

Completed By (Print Name): Dave Lubben

Signature: [signature]

Reviewed By: DS

Date: 11/16/16

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The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5
Client/Station: Defense Fuel Support Point Norwalk   20-50 SCR-INT
Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GMW-45
Well Diameter: 4"
Date: 10-10-10-16

50.50 (TD) -- 34.60 (DTW) = 15.90 (Water Column)

Pump Intake Depth, Screened Above Water Table:
34.60 (DTW) + 1/2(7.95 (Water Column)) = 42.55 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:
_____ (Top of Screen Depth) +1/2(_____ (Screen Length)) = 42-43 (Pump Intake Depth)

Date Purged: 10-10-16 **Start (24 Hour)** 1035 **End (24 Hour)** 1055
Date Sampled: 10-10-16 **Start (24 Hour)** 1055 **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)
1037	.25	NT	7.11	1.525	-98.8	23.31	0.65	clear	NT
1039	.50	34.68	7.10	1.523	-100.0	23.32	0.40	"	11.6
1041	.75	34.71	7.10	1.522	-100.6	23.34	0.35	"	10.4
1043	1.0	NT	7.10	1.522	-101.1	23.35	0.38	"	NT
1045	1.25	NT	7.10	1.523	-102.0	23.37	0.41	"	NT
1047	1.50	34.75	7.09	1.523	-104.0	23.38	0.43	"	9.42
1049	1.75	34.77	7.09	1.522	-104.8	23.40	0.44	"	8.89
1051	2.0	NT	7.09	1.521	-105.5	23.41	0.43	"	NT
1053	2.25	NT	7.09	1.521	-106.1	23.42	0.45	"	NT
1055	2.50	34.79	7.09	1.521	-106.4	23.40	0.47	"	8.68

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:

Completed By (Print Name): Dave Lubben ✓   Signature: [signature]

Reviewed By: DS   Date: 11/16/16

The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

25-50 SCR INT

Well ID: amw-17 47

Well Diameter: 4"

Date: 10-7-16

50.50 (TD) -- 34.25 (DTW) = 16.25 (Water Column)

Pump Intake Depth, Screened Above Water Table: < OR > **Pump Intake Depth, Submerged Screen:**

34.25 (DTW) + 1/2(8.13 (Water Column)) = 42.88 (Pump Intake Depth)

— (Top of Screen Depth) +1/2(— (Screen Length)) = c42 (Pump Intake Depth)

Date Purged: 10-7-16 **Start (24 Hour)** 915 **End (24 Hour)** 938

Date Sampled: 10-7-16 **Start (24 Hour)** 935 **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)
917	.25	NT	6.90	1.761	-16.9	23.31	0.74	clear	1.22
919	.50	34.33	6.90	1.761	-17.3	23.32	0.77	"	1.09
921	.75	34.36	6.90	1.760	-18.9	23.32	0.76	"	NT
923	1.0	NT	6.89	1.760	-19.6	23.34	0.73	"	0.94
925	1.25	NT	6.89	1.760	-21.5	23.35	0.73	"	0.98
927	1.5	34.40	6.88	1.760	-22.4	23.35	0.71	"	NT
929	1.75	34.42	6.88	1.759	-23.2	23.35	0.68	"	1.03
931	2.0	NT	6.89	1.759	-23.6	23.36	0.67	"	0.93
933	2.25	34.44	6.89	1.759	-23.9	23.36	0.67	"	NT
935	2.50	34.45	6.88	1.759	-24.3	23.36	0.65	"	1.01

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

Remarks: DUP-5 obtain here

Completed By (Print Name): Dave Lubben

Signature: [signature]

Reviewed By: DS

Date: 11/16/16

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The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5

Client/Station: Defense Fuel Support Point Norwalk 20-50

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GMW-48

Well Diameter: 4"

Date: 10-11-16

50.50 – 37.03 = 13.47
TD – DTW = Water Column

Pump Intake Depth, Screened Above Water Table: 37.03 + 1/2(6.74) = 43.77
DTW + 1/2(Water Column) = Pump Intake Depth

< OR >

Pump Intake Depth, Submerged Screen: — +1/2(—) = ≈43-44
Top of Screen Depth + 1/2(Screen Length) = Pump Intake Depth

Date Purged: 10-11-16 **Start (24 Hour)** 925 **End (24 Hour)** 945

Date Sampled: 10-11-16 **Start (24 Hour)** 945 **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)
927	.25	MT	7.11	1.541	-86.1	22.51	4.44	clear	88.3
929	.50	MT	7.10	1.541	-88.3	22.60	3.61	"	82.5
931	.75	37.12	7.09	1.542	-90.1	22.65	3.13	"	MT
933	1.0	37.15	7.08	1.543	-91.5	22.69	2.61	"	MT
935	1.25	MT	7.07	1.544	-94.5	22.76	2.04	"	69.4
937	1.5	MT	7.06	1.544	-96.2	22.81	1.69	"	67.1
939	1.75	37.19	7.06	1.544	-97.0	22.87	1.60	"	MT
941	2.0	37.20	7.06	1.545	-97.6	22.91	1.55	"	53.4
943	2.25	MT	7.06	1.545	-98.2	22.95	1.52	"	48.5
945	2.5	MT	7.06	1.545	-98.6	22.96	1.48	"	45.2

PURGING EQUIPMENT			
	Centrifugal Pump		Vac Truck
	Submersible Pump		Disposable Pump
✓	Other: Low Flow Submersible Pump		

SAMPLING EQUIPMENT			
	Centrifugal Pump		Teflon Bailer
	Submersible Pump		Disposable Bailer
✓	Other : Dedicated Tubing		

Remarks: DUP-8 obtained here

Completed By (Print Name): Dave Lubben ✓

Signature: [signature]

Reviewed By: PS

Date: 11/16/16

The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: ~~MW-24~~ DL GMW-56

Well Diameter: 4"

Date: 10-4-16

55.00 (TD) -- 34.73 (DTW) = 20.27 (Water Column)

Pump Intake Depth, Screened Above Water Table:

34.73 (DTW) + 1/2(10.14 (Water Column)) = 44.87 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

— (Top of Screen Depth) +1/2(— (Screen Length)) = 45' (Pump Intake Depth)

Date Purged: 10-4-16 Start (24 Hour) 1150 End (24 Hour) 1210

Date Sampled: 10-4-16 Start (24 Hour) 1210 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)
1152	.25	NT	7.23	0.868	-61.7	23.33	0.95	clear	92.5
1154	.50	34.81	7.22	0.873	-61.0	23.25	0.76	"	63.4
1156	.75	34.85	7.21	0.873	-60.7	23.25	0.69	"	NT
1158	1.0	NT	7.21	0.872	-60.5	23.25	0.67	"	NT
1200	1.25	NT	7.20	0.871	-60.2	23.23	0.64	"	48.9
1202	1.50	34.91	7.20	0.871	-60.0	23.21	0.63	"	45.3
1204	1.75	34.91	7.20	0.872	-59.8	23.20	0.62	"	NT
1206	2.0	NT	7.20	0.875	-59.6	23.19	0.62	"	NT
1208	2.25	NT	7.20	0.876	-59.7	23.18	0.62	"	33.6
1210	2.50	34.90	7.19	0.877	-59.9	23.18	0.63	"	32.7

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

Remarks:

Completed By (Print Name): Dave Lubben

Signature: [signature]

Reviewed By: DS

Date: 11/16/16

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The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

19-54

Well ID: GMW-57

Well Diameter: 4"

Date: 10-7-16

55.00 (TD) -- 34.86 (DTW) = 20.14 (Water Column)

Pump Intake Depth, Screened Above Water Table:

34.86 (DTW) + 1/2(10.07 (Water Column)) = 44.93 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

— (Top of Screen Depth) +1/2(— (Screen Length)) = 045 (Pump Intake Depth)

Date Purged: 10-7-16 Start (24 Hour) 950 End (24 Hour) 1010

Date Sampled: 10-7-16 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)	TURBITY (visual or NTU)
950	.25	NT	7.32	1.657	-66.7	23.40	NT	clear	NT
952	.50	34.95	7.26	1.653	-73.9	23.40	5.07	"	1.17
954	.75	34.98	7.24	1.652	-76.3	23.44	2.95	"	1.04
956	1.0	NT	7.23	1.651	-77.4	23.46	2.54	"	NT
958	1.25	NT	7.23	1.649	-79.1	23.48	1.49	"	NT
1000	1.50	35.02	7.23	1.647	-80.8	23.52	1.40	"	1.15
1002	1.75	35.05	7.23	1.643	-81.9	23.55	1.26	"	1.22
1004	2.00	35.07	7.23	1.641	-82.5	23.57	1.18	"	NT
1006	2.25	NT	7.23	1.640	-82.8	23.58	1.14	"	1.26
1008	2.5	35.07	7.23	1.639	-83.1	23.60	1.10	"	1.04
~~1010~~									

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

Remarks:

Completed By (Print Name): Dave Lubben

Signature: [signature]

Reviewed By: DS

Date: 11/16/16

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The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5 **Well ID:** GMW-59

Client/Station: Defense Fuel Support Point Norwalk 20-55 SCR-TMT **Well Diameter:** 4"

Address : 15306 Norwalk Boulevard, Norwalk, California 90650 **Date:** 10-11-16

55.00 (TD) - 32.24 (DTW) = 22.76 (Water Column)

Pump Intake Depth, Screened Above Water Table: 32.24 (DTW) + 1/2(11.38 (Water Column)) = 43.62 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen: — (Top of Screen Depth) +1/2(— (Screen Length)) = 44 (Pump Intake Depth)

Date Purged: 10-11-16 **Start (24 Hour)** 845 **End (24 Hour)** 905

Date Sampled: 10-11-16 **Start (24 Hour)** 905 **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)
847	.25	NT	6.83	1.259	-31.5	22.52	0.73	clear	NT
849	.50	32.32	6.80	1.258	-33.5	22.64	0.71	"	22.1
851	.75	32.35	6.79	1.258	-34.9	22.73	0.72	"	18.1
853	1.0	NT	6.78	1.259	-36.4	22.78	0.73	"	NT
855	1.25	NT	6.78	1.261	-37.7	22.82	0.79	"	NT
857	1.50	32.40	6.77	1.261	-38.8	22.86	0.83	"	16.4
859	1.75	32.42	6.77	1.261	-39.8	22.88	0.86	"	16.7
901	2.0	NT	6.77	1.261	-40.5	22.89	0.85	"	NT
903	2.25	NT	6.77	1.261	-41.0	22.91	0.84	"	12.1
905	2.50	32.45	6.77	1.261	-41.3	22.92	0.86	"	10.8

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:

Completed By (Print Name): Dave Lubben ✓ Signature: [signature]

Reviewed By: DS Date: 11/16/16

The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5

Well ID: GMW-60

Client/Station: Defense Fuel Support Point Norwalk

Well Diameter: 4"

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

25-40

Date: 10-7-16

50.00 -- 34.37 = 15.63
TD DTW Water Column

Pump Intake Depth, Screened Above Water Table: 34.37 + 1/2(7.82) = 42.19
DTW, Water Column, Pump Intake Depth

< OR >

Pump Intake Depth, Submerged Screen: ______ +1/2(______) = @ 39'
Top of Screen Depth, Screen Length, Pump Intake Depth

1' above scr-INT

Date Purged: 10-7-16 **Start (24 Hour)** 1020 **End (24 Hour)** 1040

Date Sampled: 10-7-16 **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)	TURBITY (visual or NTU)
1022	.25	NT	7.07	2.578	-152.0	23.02	0.19	Blackish	NT
1024	.50	34.45	7.07	2.577	-163.7	23.30	0.16	"	9.6
1026	.75	34.48	7.07	2.577	-179.4	23.36	0.16	"	9.4
1028	1.0	NT	7.08	2.577	-191.3	23.39	0.17	clear	6.3
1030	1.25	NT	7.08	2.577	-205.8	23.42	0.17	"	NT
1032	1.50	34.52	7.09	2.577	-219.0	23.44	0.19	"	NT
1034	1.75	34.54	7.10	2.572	-225.0	23.47	0.18	"	7.9
1036	2.0	NT	7.10	2.576	-229.1	23.49	0.19	"	8.3
1038	2.25	NT	7.11	2.576	-232.3	23.50	0.20	"	7.7
1040	2.50	34.57	7.11	2.576	-234.5	23.49	0.21	"	N/N

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:

Completed By (Print Name): Dave Lubben

Signature: [signature]

Reviewed By: DS

Date: 11/16/16

B:\04-NDLA-009 & 015- GW Monitoring\Blank Field Forms\GW Sample Field Data Sheet_DFSPNW

The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

30-40

Well ID: GMW-61

Well Diameter: 4"

Date: 10-7-16

50.00 -- 33.72 = 16.28
TD DTW Water Column

40 - 33.72 = 6.28 x .5 = 3.14 + 33.72 = 33.86

Pump Intake Depth, Screened Above Water Table: 33.72 + 1/2(8.14) = 41.86 (DTW, Water Column, Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen: — + 1/2(—) = @ 37 (Top of Screen Depth, Screen Length, Pump Intake Depth)

Date Purged: 10-7-16 **Start (24 Hour)** 1050 **End (24 Hour)** 1110

Date Sampled: 10-7-16 **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)	TURBITY (visual or NTU)
1052	.25	NT	7.19	2.397	-117.8	22.89	3.07	clear	5.32
1054	.50	33.80	7.18	2.391	-118.2	22.90	2.42	"	5.23
1056	.75	33.83	7.17	2.388	-118.0	23.90	2.06	"	NT
1058	1.0	NT	7.17	2.384	-117.6	23.90	1.59	"	NT
1100	1.25	NT	7.17	2.380	-117.2	23.92	1.33	"	5.09
1102	1.50	33.87	7.16	2.377	-117.0	23.94	1.26	"	5.01
1104	1.75	33.89	7.16	2.375	-116.8	23.95	1.20	"	NT
1106	2.0	NT	7.16	2.375	-116.5	23.93	1.13	"	4.99
1108	2.25	NT	7.16	2.371	-116.3	23.95	1.09	"	4.96
1110	2.50	33.91	7.16	2.369	-116.2	23.96	1.05	"	NT

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

Remarks:

Completed By (Print Name): Dave Lubben

Signature: [signature]

Reviewed By: DS

Date: 11/16/16

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GMW-63

Well Diameter: 4"

Date: 10-3-16

41.00 (TD) -- 34.89 (DTW) = 6.11 (Water Column)

Pump Intake Depth, Screened Above Water Table: 34.89 (DTW) + 1/2(3.12 (Water Column)) = 38.01 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen: — (Top of Screen Depth) +1/2(— (Screen Length)) = 38.00 (Pump Intake Depth)

Date Purged: 10-3-16 **Start (24 Hour)** 900 AM **End (24 Hour)** 925

Date Sampled: 10-3-16 **Start (24 Hour)** 925 **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)
905	.25	NT	6.55	1.715	167.5	20.60	4.53	clear	1.19
907	.50	34.95	6.74	1.635	147.3	20.70	2.47	clear	1.09
909	.75	34.98	6.78	1.626	145.0	20.74	1.96	"	NT
911	1.0	35.00	6.82	1.620	143.4	20.79	1.73	"	NT
913	1.25	NT	6.84	1.615	142.7	20.84	1.61	"	1.04
915	1.50	NT	6.85	1.610	141.4	20.88	1.59	"	0.98
917	1.75	35.05	6.86	1.606	141.2	20.90	1.55	"	NT
919	2.0	35.06	6.86	1.602	140.9	20.92	1.47	"	NT
921	2.25	NT	6.86	1.599	140.5	20.95	1.44	"	1.02
923	2.50	NM	6.86	1.597	140.3	20.96	1.42	"	0.95
925	—								

PURGING EQUIPMENT			
	Centrifugal Pump		Vac Truck
	Submersible Pump		Disposable Pump
Ø	Other: Low Flow Submersible Pump		

SAMPLING EQUIPMENT			
	Centrifugal Pump		Teflon Bailer
	Submersible Pump		Disposable Bailer
Ø	Other : Dedicated Tubing		

Remarks:

Completed By (Print Name): Dave Lubben

Signature: [signature]

Reviewed By: DS

Date: 11/16/16

The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GMW-64

Well Diameter: 4"

Date: 10-3-16

41.00 (TD) -- 33.45 (DTW) = 7.55 (Water Column)

Pump Intake Depth, Screened Above Water Table:

33.45 (DTW) + 1/2(3.78 (Water Column)) = 37.23 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

— (Top of Screen Depth) +1/2(— (Screen Length)) = ~37 (Pump Intake Depth)

Date Purged: 10-3-16 **Start (24 Hour)** 935 AM **End (24 Hour)**

Date Sampled: 10-3-16 **Start (24 Hour)** 955 **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)
938	.25	NT	7.08	1.962	120.5	20.61	2.81	clear	22.1
940	.50	33.53	7.02	1.960	120.4	20.73	1.73	"	19.4
942	.75	33.57	7.02	1.959	120.8	20.77	1.41	"	MT
944	1.0	MT	7.01	1.959	121.0	20.80	1.26	"	MT
946	1.25	MT	7.01	1.958	121.2	20.82	1.16	"	13.0
948	1.50	33.62	7.01	1.957	121.3	20.83	1.08	"	10.9
950	1.75	33.64	7.01	1.957	121.4	20.86	1.01	"	MT
952	2.0	MT	7.01	1.957	121.4	20.87	0.98	"	MT
954	2.25	MT	7.01	1.957	121.5	20.87	0.96	"	9.2
956	2.50	33.67	7.01	1.957	121.5	20.89	0.95	"	8.7

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:

Completed By (Print Name): Dave Lubben

Signature: [signature]

Reviewed By: DS

Date: 11/16/16

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GMW-65

Well Diameter: 4"

Date: 10-3-16

41.50 (TD) -- 34.75 (DTW) = 6.75 (Water Column)

Pump Intake Depth, Screened Above Water Table:

34.75 (DTW) + 1/2(3.38 (Water Column)) = 38.13 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

— (Top of Screen Depth) +1/2(— (Screen Length)) = 38 (Pump Intake Depth)

Date Purged: 10-3-16 **Start (24 Hour)** 1005 **End (24 Hour)**

Date Sampled: 10-3-16 **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)	TURBITY (visual or NTU)
1007	.25	NT	6.98	2.713	-49.1	21.40	0.89	clear	143.0
1009	.50	34.82	6.97	2.713	-53.4	21.41	0.86	"	119.0
1011	.75	34.85	6.95	2.713	-56.1	21.43	0.82	"	NT
1013	1.0	34.87	6.95	2.711	-63.9	21.42	0.65	"	NT
1015	1.25	NT	6.96	2.709	-69.2	21.40	0.56	"	NT
1017	1.50	NT	6.99	2.701	-68.9	21.40	0.55	"	31.4
1019	1.75	34.90	7.01	2.691	-68.1	21.42	0.55	"	22.1
1021	2.0	34.90	7.01	2.688	-67.3	21.43	0.56	"	NT
1023	2.15	NT	7.01	2.685	-67.0	21.45	0.56	"	13.6
1025	2.50	34.92	7.01	2.681	-66.9	21.45	0.58	"	9.8

PURGING EQUIPMENT			
	Centrifugal Pump		Vac Truck
	Submersible Pump		Disposable Pump
⊘	Other: Low Flow Submersible Pump		

SAMPLING EQUIPMENT			
	Centrifugal Pump		Teflon Bailer
	Submersible Pump		Disposable Bailer
⊘	Other : Dedicated Tubing		

Remarks:

Completed By (Print Name): Dave Lubben

Signature: [signature]

Reviewed By: PS

Date: 11/16/16

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5 **Well ID:** GMW-66R

Client/Station: Defense Fuel Support Point Norwalk 20-45 **Well Diameter:** 4"

Address : 15306 Norwalk Boulevard, Norwalk, California 90650 **Date:** 10-4-16

46.50 (TD) - 37.35 (DTW) = 9.15 (Water Column)

Pump Intake Depth, Screened Above Water Table: 37.35 (DTW) + 1/2(4.58 (Water Column)) = 41.93 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen: — (Top of Screen Depth) +1/2(— (Screen Length)) = @42' (Pump Intake Depth)

Date Purged: 10-4-16 **Start (24 Hour)** 1030 **End (24 Hour)** 1050

Date Sampled: 10-4-16 **Start (24 Hour)** 1050 **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)
1032	.25	NT	7.26	2.774	-91.0	22.95	0.79	clear	NT
1034	.50	37.42	7.24	2.784	-99.7	22.95	0.58	"	7.58
1036	.75	37.46	7.23	2.785	-101.8	22.98	0.51	"	7.00
1038	1.0	37.50	7.23	2.785	-103.4	22.99	0.46	"	NT
1040	1.25	NT	7.23	2.783	-105.9	23.00	0.43	"	NT
1042	1.50	NT	7.23	2.782	-106.7	23.01	0.41	"	6.49
1044	1.75	NT	7.23	2.781	-107.6	23.01	0.38	"	6.69
1046	2.0	37.54	7.23	2.780	-107.9	23.01	0.36	"	NT
1048	2.25	37.55	7.23	2.779	-108.2	23.01	0.36	"	NT
1050	2.5	NT	7.23	2.779	-108.5	23.02	0.36	"	8.31

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

Remarks:

Completed By (Print Name): Dave Lubben ✓ Signature: Dave Lubben

Reviewed By: DS Date: 11/16/16

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GMW-67

Well Diameter: 4"

Date: 10-3-16

47.00 (TD) -- 34.05 (DTW) = 12.95 (Water Column)

Pump Intake Depth, Screened Above Water Table:

34.05 (DTW) + 1/2(6.48 (Water Column)) = 40.53 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

_____ (Top of Screen Depth) +1/2(_____ (Screen Length)) = @40 (Pump Intake Depth)

Date Purged: 10-3-16 **Start (24 Hour)** 1035A **End (24 Hour)** 1055

Date Sampled: 10-3-16 **Start (24 Hour)** 1055 **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)
1037	~~34.05~~	.25	7.22	2.316	-53.9	21.38	5.86	clear	25.5
1039	34.13	.50	7.18	2.315	-57.5	21.23	2.76	"	21.1
1041	34.16	.25	7.16	2.315	-58.5	21.21	2.36	"	NT
1043	34.20	1.0	7.17	2.317	-59.7	21.19	2.00	"	NM
1045	NT	1.25	7.17	2.318	-60.3	21.19	1.79	"	18.0
1047	NT	1.50	7.16	2.320	-62.0	21.21	1.46	"	13.6
1049	34.22	1.75	7.16	2.322	-62.8	21.22	1.26	"	NT
1051	NT	2.0	7.16	2.323	-63.5	21.23	1.20	"	NT
1053	NT	2.25	7.15	2.323	-63.9	21.21	1.16	"	10.2
1055	34.23	2.5	7.15	2.324	-64.3	21.20	1.13	"	9.1

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:

Completed By (Print Name): Dave Lubben

Signature: [signature]

Reviewed By: DS

Date: 11/16/16

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5 **Well ID:** GMW-68

Client/Station: Defense Fuel Support Point Norwalk DTP@32.80 **Well Diameter:** 4"

Address : 15306 Norwalk Boulevard DTW@35.80 **Date:** 10-3-16
Norwalk, California 90650

45.00 -- 35.80 = ______ PT: 3.00
TD DTW Water Column

Pump Intake Depth, Screened Above Water Table: < OR > **Pump Intake Depth, Submerged Screen:**

______ + 1/2(______) = ______ ______ +1/2(______) = ______
DTW Water Column Pump Intake Depth Top of Screen Depth Screen Length Pump Intake Depth

Date Purged: 10-3-16 Start (24 Hour) 1140 End (24 Hour) 1200

Date Sampled: 10-3-16 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)	TURBITY (visual or NTU)
1142	.25		NO PURGING OR SAMPLING						
1144	.50								
1146	.75								
1148	1.0								
1150	1.25								
1152	1.50								
1154	1.75								
1156	2.0								
1158	2.25								
1200	2.50								

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:
GMW-62 34.72 DTP
34.79 DTW
0.07 SH- Sock in well, odorous

Completed By (Print Name): Dave Lubben Signature: [signature]

Reviewed By: ______ Date: ______

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5 **Well ID:** GMW-69

Client/Station: Defense Fuel Support Point Norwalk **Well Diameter:** 4"

Address : 15306 Norwalk Boulevard, Norwalk, California 90650 **Date:** 10-3-16

45.00 (TD) -- 33.33 (DTW) = 11.67 (Water Column)

Pump Intake Depth, Screened Above Water Table: 33.33 (DTW) + 1/2(5.84 (Water Column)) = 39.17 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen: ____ (Top of Screen Depth) +1/2(____ (Screen Length)) = @ 39 (Pump Intake Depth)

Date Purged: 10-3-16 **Start (24 Hour)** 1110 **End (24 Hour)** 1130

Date Sampled: 10-3-16 **Start (24 Hour)** 1130 **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)
1112	.25	NT	7.32	2.024	-87.0	20.82	0.46	clear	NT
1114	.50	33.41	7.32	2.025	-88.6	20.81	0.42	"	2.94
1116	.75	33.44	7.31	2.023	-93.1	20.78	0.35	"	2.81
1118	1.0	33.47	7.31	2.023	-93.7	20.77	0.33	"	NT
1120	1.25	NT	7.31	2.022	-93.3	20.75	0.34	"	NT
1122	1.50	NT	7.30	2.022	-95.8	20.73	0.34	"	2.77
1124	1.75	33.53	7.30	2.022	-96.7	20.73	0.34	"	2.61
1126	2.0	33.54	7.30	2.020	-97.5	20.74	0.34	"	NT
1128	2.25	NT	7.30	2.020	-98.1	20.75	0.35	"	NT
1130	2.50	NT	7.30	2.019	-98.4	20.74	0.35	"	2.39

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

Remarks:

Completed By (Print Name): Dave Lubben Signature: [signature]

Reviewed By: DS Date: 11/16/16

The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5

Well ID: GW-1

Client/Station: Defense Fuel Support Point Norwalk

25-60 SCR-INT

Well Diameter: 4"

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Date: 10-5-16

63.00 (TD) -- 34.37 (DTW) = 28.63 (Water Column)

Pump Intake Depth, Screened Above Water Table: 34.37 (DTW) + 1/2(14.32 (Water Column)) = 48.69 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen: — (Top of Screen Depth) +1/2(— (Screen Length)) = @48-49 (Pump Intake Depth)

Date Purged: 10-5-16 Start (24 Hour) 1145 End (24 Hour) 1205

Date Sampled: 10-5-16 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)	TURBITY (visual or NTU)
1147	.25	34.37	6.97	4.241	-66.1	22.79	2.43	clear	8.41
1149	.50	MT	6.97	4.242	-66.0	22.79	1.91	"	10.63
1151	.75	MT	6.97	4.242	-66.2	22.79	1.67	"	MT
1153	1.0	34.48	6.97	4.241	-66.4	22.81	1.42	"	MT
1155	1.25	34.50	6.97	4.241	-66.5	22.81	1.30	"	10.1
1157	1.50	MT	6.97	4.241	-67.0	22.82	1.19	"	8.91
1159	1.75	MT	6.97	4.240	-67.3	22.83	1.15	"	MT
1201	2.00	34.53	6.97	4.240	-67.8	22.83	1.14	"	8.17
1203	2.25	34.54	6.97	4.240	-67.9	22.83	1.12	"	8.10
1205	2.50	MT	6.97	4.240	-68.0	22.83	1.10	"	MT

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:

Completed By (Print Name): Dave Lubben

Signature: [signature]

Reviewed By: DS

Date: 11/16/16

The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5

Client/Station: Defense Fuel Support Point Norwalk

25-60 SCREENT

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GW-2

Well Diameter: 4"

Date: 10-5-16

63.00 (TD) -- 34.08 (DTW) = 28.92 (Water Column)

Pump Intake Depth, Screened Above Water Table:

34.08 (DTW) + 1/2(14.46 (Water Column)) = 48.54 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

— (Top of Screen Depth) +1/2(— (Screen Length)) = @ 48' (Pump Intake Depth)

Date Purged: 10-5-16 **Start (24 Hour)** 100 **End (24 Hour)** 120

Date Sampled: 10-5-16 **Start (24 Hour)** 120 **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)
102	.25	MD	7.19	2.852	-97.3	22.91	1.76	clr	2.36
104	.50	34.15	7.18	2.852	-97.7	22.93	1.69	clr	2.09
106	.75	34.19	7.16	2.850	-97.4	22.89	1.11	"	NT
108	1.0	NT	7.14	2.848	-97.1	22.83	1.02	"	NT
110	1.25	NT	7.13	2.848	-96.8	22.84	0.98	"	2.18
112	1.5	34.24	7.13	2.848	-96.2	22.83	0.93	"	2.25
114	1.75	34.27	7.13	2.848	-96.0	22.83	0.90	"	NT
116	2.0	NT	7.13	2.848	-96.3	22.84	0.88	"	2.13
118	2.25	NT	7.13	2.847	-96.2	22.84	0.87	"	2.06
120	2.5	34.29	7.13	2.847	-96.0	22.84	0.86	"	2.01

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

Remarks:

Completed By (Print Name): Dave Lubben

Signature: [signature]

Reviewed By: DS

Date: 11/16/16

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The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GW-3

Well Diameter: 4"

Date: 10-5-16

63.00 - 34.08 = 18.92
TD - DTW = Water Column

Pump Intake Depth, Screened Above Water Table:

34.08 + 1/2(9.46) = 43.54
DTW + 1/2(Water Column) = Pump Intake Depth

< OR >

Pump Intake Depth, Submerged Screen:

— +1/2(—) = 043
Top of Screen Depth +1/2(Screen Length) = Pump Intake Depth

Date Purged: 10-5-16 **Start (24 Hour)** 135 **End (24 Hour)** 155

Date Sampled: 10-5-16 **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)	TURBITY (visual or NTU)
137	.25	NT	7.14	2.923	-60.6	23.45	0.47	clear	6.73
139	.50	34.15	7.13	2.919	-60.5	23.45	0.45	"	6.19
141	.75	34.19	7.13	2.916	-60.9	23.46	0.43	"	NT
143	1.0	NT	7.12	2.914	-61.3	23.47	0.42	"	NT
145	1.25	NT	7.12	2.914	-61.0	23.49	0.44	"	6.23
147	1.5	34.23	7.12	2.913	-60.8	23.52	0.43	"	6.04
149	1.75	34.25	7.12	2.912	-60.5	23.53	0.43	"	NT
151	2.0	NT	7.12	2.911	-60.2	23.53	0.41	"	NT
153	2.25	NT	7.11	2.909	-59.9	23.55	0.41	"	5.82
155	2.50	34.29	7.11	2.908	-60.0	23.55	0.40	"	5.87

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

Remarks: Dup 4) obtained here

Completed By (Print Name): Dave Lubben

Signature: [signature]

Reviewed By: DS

Date: 11/16/16

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The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5

Client/Station: Defense Fuel Support Point Norwalk

24-59

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GW-4

Well Diameter: 4"

Date: 10-10-16

63.0 (TD) -- 32.82 (DTW) = 30.18 (Water Column)

Pump Intake Depth, Screened Above Water Table:

32.82 (DTW) + 1/2(15.09 (Water Column)) = 47.91 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

— (Top of Screen Depth) +1/2(— (Screen Length)) = 048 (Pump Intake Depth)

Date Purged: 10-10-16 **Start (24 Hour)** 855 Am **End (24 Hour)** 915

Date Sampled: 10-10-16 **Start (24 Hour)** 915 **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)
857	.25	MT	7.32	1.249	10.3	22.89	0.86	clear	NT
859	.50	32.91	7.30	1.246	8.5	22.83	0.76	"	6.34
901	.75	32.95	7.29	1.243	7.4	22.77	0.69	"	6.13
903	1.0	MT	7.28	1.241	6.6	22.70	0.66	"	MT
905	1.25	MT	7.27	1.240	6.0	22.68	0.62	"	MT
907	1.50	32.98	7.26	1.239	5.5	22.69	0.60	"	7.06
909	1.75	32.98	7.26	1.238	5.1	22.70	0.58	"	6.76
911	2.0	MT	7.26	1.238	4.8	22.70	0.57	"	MT
913	2.25	MT	7.26	1.237	4.6	22.73	0.55	"	MT
915	2.50	32.41	7.25	1.237	4.3	22.75	0.55	"	6.59

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:

Completed By (Print Name): Dave Lubben

Signature: [signature]

Reviewed By: DS

Date: 11/16/16

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5

Client/Station: Defense Fuel Support Point Norwalk 25-60 SCR-JMT

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GW-6

Well Diameter: 4"

Date: 10-5-16

63.06 (TD) -- 34.88 (DTW) = 18.12 (Water Column)

Pump Intake Depth, Screened Above Water Table: 34.88 (DTW) + 1/2(9.06 (Water Column)) = 43.94 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen: — (Top of Screen Depth) +1/2(— (Screen Length)) = @44 (Pump Intake Depth)

Date Purged: 10-5-16 **Start (24 Hour)** 210 **End (24 Hour)** 230

Date Sampled: 10-5-16 **Start (24 Hour)** 230 **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)
212	.25	NT	7.22	0.831	-55.0	23.52	2.82	clear	NT
214	.50	34.95	7.19	0.830	-55.9	23.50	2.40	"	36.6
216	.75	34.98	7.18	0.829	-57.3	23.42	2.21	"	22.8
218	1.0	35.00	7.17	0.828	-58.3	23.28	2.00	"	20.0
220	1.25	NT	7.16	0.828	-58.6	23.13	1.91	"	NT
222	1.50	NT	7.14	0.830	-58.8	23.08	1.76	"	NT
224	1.75	35.05	7.14	0.831	-58.9	23.06	1.67	"	13.1
226	2.00	35.05	7.13	0.831	-59.1	23.08	1.60	"	10.2
228	2.25	NT	7.13	0.830	-59.2	23.09	1.55	"	9.1
230	2.50	35.05	7.13	0.830	-59.3	23.10	1.51	"	7.6

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

Remarks:

Completed By (Print Name): Dave Lubben

Signature: [signature]

Reviewed By: DS

Date: 11/16/16

The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5

Client/Station: Defense Fuel Support Point Norwalk 25-60 SCR-INT

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GW-7

Well Diameter: 4"

Date: 10-11-16

63.00 (TD) -- 33.65 (DTW) = 29.35 (Water Column)

Pump Intake Depth, Screened Above Water Table: 33.65 (DTW) + 1/2(14.68 (Water Column)) = 48.33 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen: — (Top of Screen Depth) +1/2(— (Screen Length)) = 48 (Pump Intake Depth)

Date Purged: 10-11-16 Start (24 Hour) 1035 End (24 Hour) 1055

Date Sampled: 10-11-16 Start (24 Hour) 1055 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)
1037	.25	NT	7.09	0.926	-20.2	22.47	0.56	ORANGE ~~clear~~	XXXX
1039	.50	33.74	7.06	0.928	-21.5	22.53	0.41	ORANGE clear	NT
1041	.75	33.78	7.05	0.928	-22.3	22.54	0.38	clear	NT
1043	1.0	NT	7.03	0.929	-23.1	22.58	0.39	"	NT
1045	1.25	NT	7.03	0.929	-23.3	22.59	0.38	"	215
1047	1.50	33.82	7.01	0.931	-23.8	22.61	0.40	"	NT
1049	1.75	33.84	6.99	0.933	-24.3	22.02	0.43	"	NT
1051	2.0	NT	6.99	0.935	-24.7	22.62	0.45	"	133.0
1053	2.25	NT	6.98	0.936	-24.9	22.63	0.44	"	122.0
1055	2.50	33.84	6.98	0.937	-25.2	22.63	0.47	"	129.0

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

Remarks:

Completed By (Print Name): Dave Lubben ✓

Signature: [signature]

Reviewed By: DS

Date: 11/16/16

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

24-59 SCREEN

Well ID: GW-8

Well Diameter: 4"

Date: 10-7-16

63.00 (TD) -- 34.58 (DTW) = 28.42 (Water Column)

Pump Intake Depth, Screened Above Water Table:

34.58 (DTW) + 1/2(14.21 Water Column) = 48.79 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

— (Top of Screen Depth) +1/2(— Screen Length) = @48.49 (Pump Intake Depth)

Date Purged: 10-7-16 **Start (24 Hour)** 800 **End (24 Hour)** 820

Date Sampled: 10-7-16 **Start (24 Hour)** 820 **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)
802	.25	NT	7.45	1103	-89.8	21.66	3.87	lite brown	39.4
804	.50	34.66	7.41	1,104	-88.9	21.74	3.03	clear	17.3
806	.75	34.80	7.40	1,104	-88.4	21.70	2.61	"	NT
808	1.0	NT	7.39	1,104	-90.2	21.81	2.34	"	NT
810	1.25	NT	7.38	1,104	-90.0	21.85	2.15	"	11.9
812	1.50	34.83	7.37	1,105	-90.5	21.87	1.96	"	10.3
814	1.75	34.85	7.37	1,105	-91.2	21.88	1.86	"	NT
816	2.0	NT	7.37	1,105	-91.5	21.89	1.73	"	9.7
818	2.25	NT	7.37	1,105	-91.9	21.90	1.68	"	9.9
820	2.5	34.85	7.37	1,105	-92.2	21.92	1.63	"	9.3

PURGING EQUIPMENT			
	Centrifugal Pump		Vac Truck
	Submersible Pump		Disposable Pump
✓	Other: Low Flow Submersible Pump		

SAMPLING EQUIPMENT			
	Centrifugal Pump		Teflon Bailer
	Submersible Pump		Disposable Bailer
✓	Other : Dedicated Tubing		

Remarks:

Completed By (Print Name): Dave Lubben

Signature: [signature]

Reviewed By: DS

Date: 11/16/16

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GW-13

Well Diameter: 6"

Date: 10-5-16

67.00 (TD) - 35.32 (DTW) = 31.68 (Water Column)

Pump Intake Depth, Screened Above Water Table:

35.32 (DTW) + 1/2(15.84 (Water Column)) = 51.16 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

— (Top of Screen Depth) +1/2(— (Screen Length)) = @51' (Pump Intake Depth)

Date Purged: 10-5-16 **Start (24 Hour)** 1230pm **End (24 Hour)** 1250p

Date Sampled: 10-5-16 **Start (24 Hour)** 1250 **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)
1232	.25	NT	6.97	3,300	-85.8	23.63	6.08	clr	1.19
1234	.50	35.40	7.01	3,292	-85.6	23.67	2.16	"	1.09
1236	.75	35.43	7.01	3.292	-85.7	23.67	1.81	"	NT
1238	1.0	NT	7.01	3.288	-85.5	23.68	1.60	"	0.84
1240	1.25	NT	7.01	3.286	-85.6	23.68	1.43	"	0.97
1242	1.50	35.48	7.01	3.283	-85.3	23.69	1.26	"	NT
1244	1.75	35.50	7.01	3.279	-85.3	23.69	1.15	"	NT
1246	2.0	NT	7.01	3.275	-85.1	23.70	1.09	"	1.01
1248	2.25	NT	7.01	3.273	-85.0	23.70	1.04	"	0.95
1250	2.50	35.50	7.01	3.271	-84.9	23.71	1.02	✓	NT

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:

Completed By (Print Name): Dave Lubben

Signature: [signature]

Reviewed By: DS

Date: 11/16/16

The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5

Client/Station: Defense Fuel Support Point Norwalk

SCR Intvl
28.5 - 60.5

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: ~~GW-16~~ GW-15 -DS

Well Diameter: 6"

Date: 10-11-16

63.00 (TD) - 34.65 (DTW) = 28.35 (Water Column)

Pump Intake Depth, Screened Above Water Table: 34.65 (DTW) + 1/2(14.18 (Water Column)) = 48.83 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen: — (Top of Screen Depth) +1/2(— (Screen Length)) = 48-49 (Pump Intake Depth)

Date Purged: 10-11-16 Start (24 Hour) 1145 End (24 Hour) 1205

Date Sampled: 10-11-16 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)	TURBITY (visual or NTU)
1147	.25	NT	7.12	1.532	-73.9	22.86	2.51	clear	NT
1149	.50	34.73	7.11	1.534	-78.8	22.91	2.11	"	26.9
1151	.75	34.76	7.11	1.536	-92.2	22.98	1.95	"	23.8
1153	1.0	NT	7.10	1.538	-97.2	23.02	1.61	"	NT
1155	1.25	NT	7.10	1.539	-98.6	23.06	1.38	"	NT
1157	1.50	34.81	7.10	1.542	-99.5	23.10	1.09	"	17.6
1159	1.75	34.83	7.10	1.542	-100.6	23.15	0.97	"	15.3
1201	2.0	NT	7.10	1.542	-101.3	23.19	0.90	"	NT
1203	2.25	NT	7.10	1.541	-101.9	23.22	0.84	"	13.1
1205	2.5	34.85	7.10	1.541	-101.2	23.25	0.80	"	10.9

PURGING EQUIPMENT			
	Centrifugal Pump		Vac Truck
	Submersible Pump		Disposable Pump
✓	Other: Low Flow Submersible Pump		

SAMPLING EQUIPMENT			
	Centrifugal Pump		Teflon Bailer
	Submersible Pump		Disposable Bailer
✓	Other : Dedicated Tubing		

Remarks: Pump in well.

Completed By (Print Name): Dave Lubben

Signature: [signature]

Reviewed By: DS

Date: 11/16/16

The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5

Well ID: GW-16

Client/Station: Defense Fuel Support Point Norwalk

20.5 - 60.5 SCREEN

Well Diameter: 4"

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Date: 10-4-16

63.00 (TD) - 34.65 (DTW) = 28.35 (Water Column)

Pump Intake Depth, Screened Above Water Table: < OR > **Pump Intake Depth, Submerged Screen:**

34.65 (DTW) + 1/2(14.18 Water Column) = 48.83 (Pump Intake Depth)

— (Top of Screen Depth) +1/2(— Screen Length) = @48 (Pump Intake Depth)

Date Purged: 10-4-16 **Start (24 Hour)** 955 **End (24 Hour)** 1015

Date Sampled: 10-4-16 **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)	TURBITY (visual or NTU)
~~1017~~ 952	.25	NT	7.28	2.223	-97.9	22.61	1.15	clear	NT
959	.50	34.69	7.28	2.224	-98.5	22.62	1.05	"	3.34
1001	.75	34.73	7.28	2.226	-99.4	22.63	0.92	"	3.18
1003	1.0	36.76	7.27	2.227	-100.8	22.64	0.82	"	NT
1005	1.25	NT	7.27	2.228	-100.6	22.63	0.78	"	NT
1007	1.50	NT	7.27	2.229	-101.5	22.63	0.74	"	3.19
1009	1.75	34.80	7.27	2.230	-102.5	22.63	0.71	"	3.01
1011	2.0	34.81	7.27	2.230	-103.3	22.63	0.70	"	NT
1013	2.25	NT	7.27	2.230	-103.8	22.62	0.68	"	2.89
1015	2.50	34.82	7.27	2.231	-104.2	22.62	0.67	"	2.95

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:

Completed By (Print Name): Dave Lubben ✓

Signature: Dave Lubben

Reviewed By: DS

Date: 11/16/16

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5

Well ID: DL ~~GMW-56~~ MW-13

Client/Station: Defense Fuel Support Point Norwalk SCR-INT, 20.-55

Well Diameter: 4"

Address : 15306 Norwalk Boulevard
Norwalk, California 90650 36.45 13.55

Date: 10-4-16

50.00 (TD) -- ~~34.73~~ (DTW DL) = ~~20.27~~ (Water Column DL)

Pump Intake Depth, Screened Above Water Table: < OR > **Pump Intake Depth, Submerged Screen:**

~~34.73~~ (DTW) 36.45 + 6.78 + 1/2(~~10.14~~ Water Column 43.23) = ~~44.87~~ (Pump Intake Depth)

______ (Top of Screen Depth) +1/2(______ Screen Length) = ~~45~~ 43 (Pump Intake Depth)

Date Purged: 10-4-16 **Start (24 Hour)** 11:15 **End (24 Hour)** 11:35

Date Sampled: 10-4-16 **Start (24 Hour)** 11:35 **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)
11:17	.25	NT	7.24	1.598	-11.1	22.65	4.19	clear	NT
11:19	.50	34.81	7.21	1.590	-9.1	22.68	2.60	"	2.79
11:21	.25	34.85	7.20	1.594	-8.1	22.69	1.67	"	2.16
11:23	1.0	NT	7.20	1.597	-7.0	22.67	1.54	"	NT
11:25	1.25	NT	7.19	1.598	-6.3	22.66	1.48	"	NT
11:27	1.50	34.89	7.19	1.599	-5.9	22.68	1.43	"	2.36
11:29	1.75	34.90	7.19	1.600	-5.5	22.67	1.46	"	2.60
11:31	2.0	NT	7.19	1.600	-5.2	22.67	1.42	"	2.53
11:33	2.25	NT	7.18	1.601	-5.3	22.68	1.39	"	NT
11:35	2.5	34.90	7.18	1.601	-5.4	22.69	1.35	"	2.47

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:

Completed By (Print Name): Dave Lubben

Signature: [signature]

Reviewed By: PS

Date: 11/16/16

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

SCR-INT
18-48

Well ID: MW-14

Well Diameter: 4"

Date: 10-4-16

50.00 (TD) -- 36.37 (DTW) = 13.63 (Water Column)

Pump Intake Depth, Screened Above Water Table:

36.37 (DTW) + 1/2(6.82 (Water Column)) = 43.19 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

_____ (Top of Screen Depth) +1/2(_____ (Screen Length)) = @43 (Pump Intake Depth)

Date Purged: 10-4-16 **Start (24 Hour)** 115 pm **End (24 Hour)** 135

Date Sampled: 10-4-16 **Start (24 Hour)** 135 P **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)
117	.25	NT	7.08	2,743	-77.8	23.34	0.65	clear	5.53
119	.50	36.41	7.08	2.737	-78.9	23.32	0.57	"	5.19
121	.75	36.45	7.07	2.732	-79.7	23.32	0.60	"	NT
123	1.0	36.48	7.06	2.720	-80.7	23.33	0.63	"	NT
125	1.25	NT	7.06	2.703	-81.0	23.30	0.58	"	4.87
127	1.50	NT	7.06	2.691	-81.3	23.30	0.58	"	4.99
129	1.75	36.53	7.06	2.685	-81.5	23.30	0.59	"	NT
131	2.0	36.55	7.06	2.680	-81.7	23.30	0.61	"	4.79
133	2.25	NT	7.06	2.677	-81.9	23.30	0.62	"	4.63
135	2.50	NT	7.05	2.675	-81.9	23.32	0.64	"	4.32

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:

Completed By (Print Name): Dave Lubben

Signature: [signature]

Reviewed By: DS

Date: 11/16/16

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GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5

Client/Station: Defense Fuel Support Point Norwalk 18-48 SCRINT

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: MW-16

Well Diameter: 4"

Date: 10-7-16

50.00 (TD) -- 35.42 (DTW) = 14.58 (Water Column)

Pump Intake Depth, Screened Above Water Table:

35.42 (DTW) + 1/2(7.29 (Water Column)) = 42.71 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

— (Top of Screen Depth) +1/2(— (Screen Length)) = @42-43 (Pump Intake Depth)

Date Purged: 10-7-16 Start (24 Hour) 1200 N End (24 Hour) 1220

Date Sampled: 10-7-16 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)	TURBITY (visual or NTU)
1202	.25	NT	6.93	1.226	-64.8	25.21	1.80	clear	NT
1204	.50	35.50	6.91	1.226	-66.9	25.00	1.20	"	0.87
1206	.75	35.53	6.90	1.217	-68.2	24.75	1.01	"	0.94
1208	1.0	NT	6.91	1.214	-68.7	24.72	0.88	"	1.02
1210	1.25	NT	6.89	1.207	-67.8	24.57	0.83	"	NT
1212	1.50	35.59	6.87	1.201	-66.9	24.60	0.81	"	1.11
1214	1.75	35.61	6.86	1.196	-66.7	24.64	0.82	"	1.03
1216	2.0	NT	6.86	1.194	-66.8	24.66	0.84	"	NT
1218	2.25	NT	6.86	1.191	-66.9	24.67	0.85	"	0.94
1220	2.5	35.61	6.85	1.188	-67.1	24.69	0.85	"	0.89

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

Remarks:

Completed By (Print Name): Dave Lubben ✓

Signature: [signature]

Reviewed By: DS

Date: 11/16/16

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GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5 **Well ID:** MW-17

Client/Station: Defense Fuel Support Point Norwalk **Well Diameter:** 4"

Address : 15306 Norwalk Boulevard, Norwalk, California 90650 18-48 SI **Date:** 10-4-16

50.00 (TD) -- 36.05 (DTW) = 13.95 (Water Column)

Pump Intake Depth, Screened Above Water Table:

36.05 (DTW) + 1/2(6.98 (Water Column)) = 43.03 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

— (Top of Screen Depth) +1/2(— (Screen Length)) = @43 (Pump Intake Depth)

Date Purged: 10-4-16 **Start (24 Hour)** 915Am **End (24 Hour)** 935Am

Date Sampled: 10-4-16 **Start (24 Hour)** 935 **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)
917	.25	NT	7.46	1.778	18.7	22.49	6.13	clear	NT
919	.50	36.12	7.38	1.781	20.3	22.49	4.13	"	5.03
921	.75	36.15	7.35	1.783	22.1	22.52	2.71	"	4.61
923	1.0	NT	7.35	1.783	22.8	22.52	2.40	"	NT
925	1.25	36.20	7.34	1.783	23.6	22.54	2.05	"	4.49
927	1.50	NT	7.34	1.783	23.8	22.56	1.89	"	4.19
929	1.75	NT	7.33	1.783	25.1	22.58	1.51	"	NT
931	2.0	36.24	7.32	1.784	26.1	22.61	1.34	"	NT
933	2.25	NT	7.32	1.783	26.6	22.62	1.30	"	4.16
935	2.50	36.26	7.32	1.783	26.9	22.63	1.25	"	4.09

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: Duplicate obtained here

Completed By (Print Name): Dave Lubben ✓ Signature: [signature]

Reviewed By: DS Date: 11/16/16

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

42-52 SCREEN

Well ID: MW-22 MID

Well Diameter: 4"

Date: 10-5-16

57.90 (TD) -- 39.75 (DTW) = 18.15 (Water Column)

Pump Intake Depth, Screened Above Water Table: 39.75 (DTW) + 1/2(9.08 (Water Column)) = 48.83 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen: 42 (Top of Screen Depth) +1/2(5 (Screen Length)) = 47 (Pump Intake Depth)

Date Purged: 10-5-16 **Start (24 Hour)** 1110 **End (24 Hour)** 1130

Date Sampled: 10-5-16 **Start (24 Hour)** 1130 **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)
1112	.25	39.79	7.41	2.510	-51.0	23.45	1.35	clear	2.79
1114	.50	39.85	7.22	2.563	-68.3	23.10	0.78	"	NT
1116	.75	NT	7.17	2.517	-74.0	23.00	0.60	"	NT
1118	1.0	39.89	7.15	2.491	-75.4	22.82	0.55	"	2.51
1120	1.25	39.92	7.14	2.481	-76.2	22.83	0.52	"	2.43
1122	1.50	39.95	7.13	2.475	-77.2	22.83	0.48	"	NT
1124	1.75	NT	7.13	2.471	-77.6	22.84	0.46	"	NT
1126	2.0	NT	7.13	2.470	-78.0	22.84	0.47	"	2.49
1128	2.25	39.96	7.12	2.466	-78.3	22.82	0.45	"	2.31
1130	2.50	NT	7.12	2.463	-78.7	22.80	0.43	"	NT

PURGING EQUIPMENT				SAMPLING EQUIPMENT			
	Centrifugal Pump		Vac Truck		Centrifugal Pump		Teflon Bailer
	Submersible Pump		Disposable Pump		Submersible Pump		Disposable Bailer
1	Other: Low Flow Submersible Pump			2	Other : Dedicated Tubing		

Remarks:

Completed By (Print Name): Dave Lubben

Signature: [signature]

Reviewed By: DS

Date: 11/16/16

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5

Well ID: MW-26

Client/Station: Defense Fuel Support Point Norwalk 23.5-43.5

Well Diameter: 4"

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Date: 10-~~6~~5-16

47.30 (TD) -- 35.90 (DTW) = 11.40 (Water Column)

Pump Intake Depth, Screened Above Water Table: 35.90 (DTW) + 1/2(5.70 Water Column) = 41.60 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen: — (Top of Screen Depth) +1/2(— Screen Length) = ≈42 (Pump Intake Depth)

Date Purged: 10-5-16 **Start (24 Hour)** 1035 **End (24 Hour)** 1055

Date Sampled: 10-5-16 **Start (24 Hour)** 1055 **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)
1037	.25	NT	6.89	1.604	-98.6	22.42	4.60	clear	NT
1039	.50	35.96	6.87	1.603	-99.7	22.41	3.11	"	7.93
1041	.75	36.00	6.86	1.601	-100.8	22.43	2.26	"	8.41
1043	1.0	36.03	6.86	1.598	-102.0	22.47	1.88	"	NR
1045	1.25	NT	6.86	1.596	-103.4	22.50	1.38	"	7.17
1047	1.50	NT	6.86	1.596	-104.2	22.55	1.29	"	NT
1049	1.75	36.07	6.86	1.596	-104.7	22.57	1.22	"	NT
1051	2.0	36.08	6.86	1.597	-105.3	22.59	1.15	"	6.94
1053	2.25	NT	6.86	1.598	-105.8	22.60	1.11	"	6.14
1055	2.5	36.10	6.86	1.599	-106.1	22.61	1.07	"	NR

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:

Completed By (Print Name): Dave Lubben

Signature: [signature]

Reviewed By: DS

Date: 11/16/16

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The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5

Client/Station: Defense Fuel Support Point Norwalk

18-48' SCR-INT

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: MW-27

Well Diameter: 4"

Date: 10-5-16

52.30 (TD) - 37.16 (DTW) = 15.14 (Water Column)

Pump Intake Depth, Screened Above Water Table: 37.16 (DTW) + 1/2(7.57 Water Column) = 44.73 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen: ______ (Top of Screen Depth) +1/2(______ Screen Length) = @45 (Pump Intake Depth)

Date Purged: 10-5-16 **Start (24 Hour)** 1005 **End (24 Hour)** 1025

Date Sampled: 10-5-16 **Start (24 Hour)** 1045 **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)
1007	.25	NT	6.95	1.809	-75.9	22.55	1.97	clear	2.05
1009	.50	37.25	6.94	1.810	-76.9	22.54	1.73	"	2.01
1011	.75	37.28	6.94	1.811	-77.6	22.56	1.56	"	NT
1013	1.0	NT	6.94	1.812	-76.6	22.56	1.45	"	NT
1015	1.25	NT	6.94	1.813	-75.8	22.57	1.36	"	1.79
1017	1.50	37.32	6.94	1.814	-76.8	22.58	1.29	"	1.68
1019	1.75	37.33	6.94	1.815	-77.2	22.58	1.22	"	NT
1021	2.0	NT	6.94	1.815	-77.4	22.59	1.16	"	1.71
1023	2.25	NT	6.94	1.816	-77.7	22.60	1.12	"	NT
1025	2.50	37.35	6.94	1.816	-77.9	22.61	1.09	"	1.61

PURGING EQUIPMENT			
	Centrifugal Pump		Vac Truck
	Submersible Pump		Disposable Pump
✓	Other: Low Flow Submersible Pump		

SAMPLING EQUIPMENT			
	Centrifugal Pump		Teflon Bailer
	Submersible Pump		Disposable Bailer
✓	Other : Dedicated Tubing		

Remarks: DUP-3 obtained here.

Completed By (Print Name): Dave Lubben

Signature: [signature]

Reviewed By: DS

Date: 11/16/16

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The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

17.5-47.5

Well ID: MW-29

Well Diameter: 4"

Date: 10-7-16

52.40 (TD) - 37.74 (DTW) = 14.66 (Water Column)

Pump Intake Depth, Screened Above Water Table:

37.74 (DTW) + 1/2(7.33 (Water Column)) = 44.07 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

— (Top of Screen Depth) +1/2(— (Screen Length)) = ≈44 (Pump Intake Depth)

Date Purged: 10-7-16 **Start (24 Hour)** 1235 **End (24 Hour)** 1255

Date Sampled: 10-7-16 **Start (24 Hour)** 1255 **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)
1237	.25	NT	7.03	1.102	-122.7	25.06	1.47	clear	9.10
1239	.50	37.81	7.00	1.096	-122.9	25.00	1.11	"	8.47
1241	.75	37.85	7.00	1.096	-123.1	24.94	1.07	"	NT
1243	1.0	37.88	7.00	1.095	-123.3	24.92	1.05	"	NT
1245	1.25	NT	7.00	1.094	-123.4	24.95	1.01	"	8.81
1247	1.50	NT	6.99	1.094	-123.5	24.96	0.98	"	8.68
1249	1.75	37.93	6.99	1.094	-123.7	24.98	0.96	"	NT
1251	2.00	37.95	6.98	1.093	-124.0	25.00	0.93	"	NT
1253	2.25	NT	6.98	1.093	-124.2	25.01	0.91	"	8.19
1255	2.50	37.96	6.98	1.093	-124.5	24.99	0.88	"	8.01

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: DUP-6 obtain here

Completed By (Print Name): Dave Lubben ✓

Signature: [signature]

Reviewed By: DS

Date: 11/16/16

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GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5

Client/Station: Defense Fuel Support Point Norwalk

SCR-IMT 25-60

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: ~~GMW-54~~ TF-08

Well Diameter: 4"

Date: 10-10-16

63.00 (TD) -- 33.41 (DTW) = 29.59 (Water Column)

Pump Intake Depth, Screened Above Water Table:

33.41 (DTW) + 1/2(14.80 (Water Column)) = 48.21 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

— (Top of Screen Depth) +1/2(— (Screen Length)) = @48 (Pump Intake Depth)

Date Purged: 10-10-16 Start (24 Hour) 820A End (24 Hour) 840

Date Sampled: 10-10-16 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)	TURBITY (visual or NTU)
822	.25	NT	7.00	1.488	-84.7	23.21	5.34	Clear	16.9
824	.50	33.48	6.96	1.489	-84.8	23.29	2.04	"	13.6
826	.75	33.52	6.95	1.489	-84.9	23.34	1.57	"	NT
828	1.0	NT	6.95	1.490	-85.2	23.35	1.34	"	NT
830	1.25	NT	6.95	1.490	-85.4	23.36	1.23	"	14.1
832	1.50	33.56	6.95	1.489	-85.5	23.37	1.17	"	11.2
834	1.75	33.58	6.95	1.489	-85.7	23.39	1.14	"	NT
836	2.0	NT	6.94	1.489	-85.9	23.41	1.07	"	NT
838	2.25	NT	6.94	1.489	-86.1	23.41	1.02	"	9.2
840	2.50	33.62	6.94	1.489	-86.1	23.43	1.00	"	9.8

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

Remarks: DUPE-7 obtained here

Completed By (Print Name): Dave Lubben

Signature: [signature]

Reviewed By: DS

Date: 11/16/16

B:\04-NDLA-009 & 015- GW Monitoring\Blank Field Forms\GW Sample Field Data Sheet_DFSPNW

The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5
Client/Station: Defense Fuel Support Point Norwalk
Address : 15306 Norwalk Boulevard
Norwalk, California 90650

25-60

Well ID: TF-21
Well Diameter: 4"
Date: 10-11-16

63.00 (TD) -- 36.31 (DTW) = 26.69 (Water Column)

Pump Intake Depth, Screened Above Water Table:

36.31 (DTW) + 1/2(13.35 Water Column) = 49.66 Pump Intake Depth

< OR >

Pump Intake Depth, Submerged Screen:

— (Top of Screen Depth) +1/2(— Screen Length) = ø50 Pump Intake Depth

Date Purged: 10-11-16 Start (24 Hour) 8 10AM End (24 Hour) 8 30

Date Sampled: 10-11-16 Start (24 Hour) 8 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)	TURBITY (visual or NTU)
812	.25	NT	7.12	1.674	-81.3	23.37	NT	clear	13.4
814	.50	36.40	7.07	1.676	-88.2	23.31	8.01	"	11.9
816	.75	36.43	7.04	1.677	-90.4	23.27	6.13	"	NT
818	1.0	NT	7.03	1.678	-91.6	23.20	5.10	"	NT
820	1.25	NT	7.03	1.679	-92.2	23.15	4.37	"	11.1
822	1.5	36.47	7.02	1.678	-92.8	23.12	3.61	"	10.3
824	1.75	36.49	7.02	1.678	-93.6	23.10	3.04	"	NT
826	2.0	NT	7.02	1.678	-94.1	23.10	2.91	"	NT
828	2.25	36.50	7.01	1.677	-94.4	23.08	2.83	"	8.93
830	2.5	"	7.01	1.677	-94.8	23.06	2.81	"	9.41

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:

Completed By (Print Name): Dave Lubben ✓

Signature: [signature]

Reviewed By: DS

Date: 11/16/16

B:\04-NDLA-009 & 015- GW Monitoring\Blank Field Forms\GW Sample Field Data Sheet_DFSPNW

The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5 **Well ID:** TF-24

Client/Station: Defense Fuel Support Point Norwalk **Well Diameter:** 4"

Address : 15306 Norwalk Boulevard 34.85 25-60 SCR-INT. **Date:** 10-11-16
Norwalk, California 90650

63.00 - 34.85 = 28.15
TD DTW Water Column

Pump Intake Depth, Screened Above Water Table: 34.85 + 1/2(14.08) = 48.93
DTW Water Column Pump Intake Depth

< OR >

Pump Intake Depth, Submerged Screen: ______ +1/2(______) = @ 49
Top of Screen Depth Screen Length Pump Intake Depth

Date Purged: 10-11-16 **Start (24 Hour)** 1110 **End (24 Hour)** 1130

Date Sampled: 10-11-16 **Start (24 Hour)** 1130 **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)
1112	.25	NT	7.26	1.165	-16.7	21.96	1.23	clear	NT
1114	.50	34.94	7.20	1.169	-30.9	22.02	1.00	"	13.3
1116	.75	34.96	7.15	1.170	-37.9	22.06	0.80	"	11.8
1118	1.0	NT	7.13	1.171	-42.0	22.08	0.70	"	NT
1120	1.25	NT	7.12	1.171	-46.9	22.10	0.63	"	NT
1122	1.50	35.01	7.11	1.172	-50.5	22.11	0.60	"	10.2
1124	1.75	35.03	7.11	1.171	-53.6	22.14	0.57	"	9.43
1126	2.0	NT	7.11	1.171	-55.0	22.16	0.53	"	NT
1128	2.25	NT	7.11	1.170	-55.8	22.18	0.50	"	9.17
1130	2.50	35.06	7.11	1.170	-56.0	22.21	0.52	"	9.01

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

Remarks:

Completed By (Print Name): Dave Lubben Signature: [signature]

Reviewed By: DS Date: 11/16/16

The Source Group, Inc.

MONITORING WELL INSPECTION CHECKLIST
Second Semiannual 2016 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
EXP-1	10-3-16	X		Y	Y	Y	Y	Y	Y	
EXP-2	10-3-16	X		Y	Y	Y	Y	Y	Y	
EXP-3	10-3-16	X		Y	Y	Y	Y	Y	Y	
GMW-5	10-3-16									Unable to locate
GMW-6	10-3-16		X	Y	Y	Y	Y	Y	Y	
GMW-7	10-3-16		X	Y	Y	Y	Y	Y	Y	
GMW-12	10-3-16	X		Y	Y	Y	Y	Y	Y	
GMW-15	10-3-16			Y	Y	1	1	1	1	1 No surface completion. Well casing only
GMW-16	10-3-16									Unable to locate
GMW-17	Well removed prior to remedial excavation.									
GMW-18	10-3-16		X	Y	Y	Y	Y	Y	Y	
GMW-19	10-3-16									Unable to locate
GMW-20	10-3-16		X	Y	Y	Y	N	Y	N	Surface completion damaged
GMW-21	10-3-16		X	Y	Y	Y	N	Y	Y	No bolts on lid. Steel cover bent
GMW-31	10-3-16									Unable to locate
GMW-32	Well removed prior to remedial excavation.									
GMW-33	10-3-16		X	Y	Y	Y	Y	Y	Y	Soil in well obstructing gauging
GMW-35	Well removed prior to remedial excavation.									
GMW-40	10-3-16	–	1	Y	Y	Y	1	Y	1	1 No surface completion. Well casing only
GMW-41	10-3-16	–	1	Y	Y	Y	1	Y	1	" " " "
GMW-42	10-3-16									Unable to locate
GMW-43	10-3-16									" "
GMW-44	10-3-16	–	1	Y	Y	Y	1	Y	1	1 No surface completion. Well casing only
GMW-45	10-3-16	–	1	Y	Y	1	1	N	1	1 " " " " "
GMW-47	10-3-16		X	Y	Y	Y	Y	Y	Y	
GMW-48	10-3-16	–	1	Y	Y	1	1	1	Y	1 No surface completion. well casing only

MONITORING WELL INSPECTION CHECKLIST
Second Semiannual 2016 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-54	10-3-16									Unable to locate
GMW-56	10-3-16	–	X	Y	Y	1	1	Y	1	1 Surface Completion missing
GMW-57	10-3-16		X	Y	Y	Y	N	Y	Y	Cement apron damaged
GMW-58	10-3-16									Unable to locate
GMW-59	10-3-16	–	X	Y	Y	Y	Y	Y	Y	
GMW-60	10-3-16		X	Y	Y	Y	Y	Y	Y	Missing bolts
GMW-61	10-3-16		X	Y	Y	Y	Y	Y	Y	" "
GMW-62										
GMW-63										
GMW-64										
GMW-65										
GMW-66R	10-3-16	X	–	Y	Y	Y	Y	Y	Y	
GMW-67										
GMW-68										
GMW-69										
GW-1	10-3-16		X	Y	Y	Y	Y	Y	Y	Pump in well
GW-2	10-3-16		X	Y	Y	Y	Y	Y	Y	GWTS pumping well
GW-3	10-3-16		X	Y	Y	Y	Y	Y	Y	
GW-4	10-3-16		X	Y	Y	Y	Y	Y	Y	Pump in well
GW-5	Well removed prior to remedial excavation.									
GW-6	10-3-16		X	Y	Y	–	N	Y	N	Surface completion heavily damaged.
GW-7	10-3-16		X	Y	Y	Y	Y	Y	Y	
GW-8	10-3-16		X	Y	Y	Y	Y	Y	Y	Pump in well
GW-13	10-3-16		X	Y	Y	Y	Y	Y	Y	GWTS pumping well
GW-14	Well removed prior to remedial excavation.									
GW-15	10-3-16		X	Y	Y	Y	Y	Y	Y	GWTS pumping well

MONITORING WELL INSPECTION CHECKLIST
Second Semiannual 2016 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-54										
GMW-56										
GMW-57										
GMW-58										
GMW-59										
GMW-60										
GMW-61										
GMW-62	10-3-16		X	Y	Y	Y	Y	Y	Y	
GMW-63	10-3-16		X	Y	Y	Y	Y	Y	Y	
GMW-64	10-3-16		X	Y	Y	Y	Y	Y	Y	
GMW-65	10-3-16		X	Y	Y	Y	Y	Y	NO	coiled tubing in box
GMW-66R										
GMW-67	10-3-16		X	Y	Y	Y	Y	Y	Y	
GMW-68	10-3-16		X	Y	Y	Y	Y	Y	Y	
GMW-69	10-3-16		X	Y	Y	Y	Y	Y	Y	
GW-1										
GW-2										
GW-3										
GW-4										
GW-5	Well removed prior to remedial excavation.									
GW-6										
GW-7										
GW-8										
GW-13										
GW-14	Well removed prior to remedial excavation.									
GW-15										

MONITORING WELL INSPECTION CHECKLIST
Second Semiannual 2016 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
GW-16	10-3-16	X		Y	Y	Y	Y	Y	Y	GWTS pumping well
MW-13	10-3-16	X		Y	Y	Y	Y	Y	Y	
MW-14	10-3-16	X		Y	Y	Y	Y	Y	Y	
MW-16	10-3-16	X		Y	Y	Y	Y	Y	Y	
MW-17	10-3-16	X		Y	Y	Y	Y	Y	Y	
MW-22-MID	10-3-16	X		Y	Y	Y	N	N	Y	Monument damagen
MW-24	10-3-16	X		Y	Y	Y	N	N	N	Monument damaged, casing broken below grade
MW-26	10-3-16	X		Y	Y	Y	Y	Y	Y	
MW-27	10-3-16	X		Y	Y	Y	Y	Y	Y	
MW-28	10-3-16	X		Y	Y	Y	Y	Y	Y	
MW-29	10-3-16	X		Y	Y	Y	Y	N	Y	Needs new plug.
PZ-3	10-3-16		X	Y	Y	Y	Y	Y	Y	
TF-8	10-3-16		X	Y	Y	Y	Y	Y	Y	
TF-9	Well removed prior to remedial excavation.									
TF-15	10-3-16		X	–	–	–	–	–	–	Well buried.
TF-16	10-3-16		X	Y	Y	Y	Y	Y	Y	
TF-17	Well removed prior to remedial excavation.									
TF-18	10-3-16		X	Y	Y	Y	Y	Y	Y	Pump in well
TF-19	10-3-16		X	Y	Y	Y	Y	Y	Y	
TF-20	Well removed prior to remedial excavation.									
TF-21	10-3-16	–	-	Y	Y	Y	1	1	1	1 No surface completion. Well casing only
TF-23	10-3-16		X	Y	Y	N	N	Y	Y	Vault damaged. NO lid.
TF-24	10-3-16	–	1	Y	Y	1	1	Y	1	1 No surface completion. Well casing only

INSTRUMENT CALIBRATION LOG
Second Semiannual 2016 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-556	2015	10-3-16	PH-7 PH-10	7.03 9.98	Y Y	22.8 22.8	DL
HACH 2100	3892	10-3-16	uS/cm 1413	1421	Y	22.8	DL
YSI-556	2015	10-4-16	PH-7 PH-10	7.05 9.99	Y	22.9	DL
HACH-2100	3892	10-4-16	~~PH-7~~ ~~PH-4~~ uS/cm 1413	1419	Y	22.9	DL
YSI-556	2015	10-5-16	PH-7 PH-4	7.02 4.10	Y	22.8	DL
HACH-2100	3892	10-5-16	uS/cm 1413	1423	Y	228	DL
YSI-556	2015	10-7-16	PH-7 PH-10	7.03 10.02	Y	23.0	DL
HACH-2100	3892	10-7-16	uS/cm 1413	1420	Y	23.0	DL
YSI-556	2015	10-10-16	PH-7 PH 4	7.04 4.08	Y	22.9	DL
HACH-2100	3892	10-10-16	uS/cm 1413	1418	Y	22.9	DL
YSI-556	2015	10-11-16	PH-7 PH-10	7.06 10.04	Y	23.0	DL
HACH-2100	3892	10-11-16	uS/cm 1413	1417	Y	23.0	DL

NORWALK WELL GAUGING DATA

TECHNICIAN: OM DATE: 10/3/16 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.) 2Q15	Depth to water (ft.) 4Q15	Depth to water (ft.) 2Q16	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Time	
EXP-1	4					57.81	59.22		61.31	129.00	TOC	1115	
EXP-2	4					58.53	60.23		61.88	128.13	TOC	1205	
EXP-3	4					56.91	58.43		60.52	125.60	TOC	1050	
EXP-4	4					58.43	60.00		62.71	116.20	TOC	1150	
EXP-5	4					51.71	53.27		55.40	113.30	TOC	1525	
GMW-1	4					31.19	31.89	36.16	35.80	44.20	TOC	1030	
GMW-10	4		33.65	1.55'	1.05	34.99	32.96	34.47	~~33.65~~ 35.10	—	TOC	0819	
GMW-13	4					30.39	31.16		33.20	49.55	TOC	1041	
GMW-22					2.12			39.73	37.70	61.60	TOC	1000	pulled ~~EXT~~
GMW-23	4				1.18	36.64	36.10	36.35	36.15	57.80	TOC	0923	
GMW-24	4				0.96	31.94	32.80	38.83	39.31	40.00	TOC	0925	
GMW-25	4					Ext. Pump	35.44	38.99	38.70	53.30	TOC	1515	pulled ~~EXT~~
GMW-26	4					35.19	35.38	34.56	35.12	48.25	TOC	0830	
GMW-28	4					31.23	32.00	35.66	35.81	49.15	TOC	0838	
GMW-29	4		35.75	0.25'		32.62	31.27	36.15	36.00	—	TOC	0845	
GMW-3	4					31.40	32.12		– well	Destroyed –			-Destoyed
GMW-30	6				1.12	32.70	32.92	36.22	36.30	49.70	TOC	0851	
GMW-36	4		34.65	0.40	0.39	Ext. Pump	33.55		35.05	—	TOC	1100	pulled ~~Ext SPH~~
GMW-37	4					33.51	34.11		35.10	53.50	TOC	1044	
GMW-38	4					31.59	32.33		34.10	53.00	TOC	1117	
GMW-39	4					31.04	31.87		33.20	50.60	TOC	1113	
GMW-8	4					30.43	31.13		33.77	~~[illegible]~~ 45.20	TOC	0737	
GMW-9	5				0.24	Ext. Pump	34.61	36.10	38.02	48.70	TOC	1520	pulled ~~Ext [illegible]~~
GMW-O-1	4					28.02	28.98	30.66	31.20	49.10	TOC	1400	
GMW-O-10	4					30.52	31.17	32.65	33.13	49.84	TOC	1533	
GMW-O-11	4				0.23	Ext. Pump	33.08	33.39	– Gauged	by	Kinder	morgan	~~Ext~~
GMW-O-12	4		31.90		0.80	33.35	34.65	32.40	34.20	—	TOC	1545	

SEE RELEASE REPORTING PROCEDURE REMINDER IN SOW

NORWALK WELL GAUGING DATA

TECHNICIAN: DM DATE: 10/3/14 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.) 2Q15	Depth to water (ft.) 4Q15	Depth to water (ft.) 2Q16	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Time	
GMW-O-14	4					30.32	30.98	32.62	34.08	50.40	TOC	0700	
GMW-O-15	8"		30.92	0.08	3.02	Ext. Pump	31.91		31.00	—	TOC	1500	Ext
GMW-O-16	4					29.69	30.41		32.00	48.90	TOC	1107	
GMW-O-17	4					28.96	29.95		31.10	40.01	TOC	1513	
GMW-O-18	4				0.43	28.53	30.90	—	pump stuck in well				— ~~Pump~~ Stuck
GMW-O-19	4					28.41	30.63		32.20	39.90	TOC	1105	
GMW-O-2	4					28.34	29.07	30.44	31.30	49.10	TOC	1430	
GMW-O-20	4				7.20	Ext. Pump	31.36	32.54	33.12	37.80	TOC	1550	
GMW-O-21	8				0.23	30.15	31.43	33.20	33.45	43.30	TOC	0700	
GMW-O-23	4				2.36	Ext. Pump	32.82	34.43	34.90	38.80	TOC	1554	
GMW-O-24	4					30.23	30.95		32.39	45.80	TOC	0745	
GMW-O-3	4					28.21	28.94	30.60	31.45	47.80	TOC	1446	
GMW-O-4	4					27.79	28.57	30.55	30.90	49.15	TOC	1500	
GMW-O-5	4					28.31	29.09	30.98	31.43	49.00	TOC	1510	
GMW-O-6	4					26.10	27.50		29.00	49.70	TOC	1448	
GMW-O-7	4					26.09	26.63		28.10	49.50	TOC	1507	
GMW-O-8	4					26.39	27.53		29.51	49.41	TOC	1405	
GMW-O-9	4					29.79	30.33	31.88	33.03	50.10	TOC	1528	
GMW-SF-7	4					31.30	32.03		33.12	43.20	TOC	1110	
GMW-SF-8	4					32.59	33.28		35.01	43.70	TOC	1055	
GWR-3	6		39.15	0.05	1.33	37.25	35.98	38.60	39.20	—	TOC	0905	
HL-2	4					33.37	34.08		35.17	38.24	TOC	0730	
HL-3	4					33.43	34.15	36.84	37.22	41.40	TOC	0813	
MW-12	4					32.39			35.84	52.02	TOC	0800	
MW-18 (MID)	4					36.29	36.99	40.70	~~40.44~~ 40.93	~~62.00~~ 65.50	TOC	~~0800~~ 1007	
MW-19 (MID)	4					37.61	38.26		40.60	62.00	TOC	0800	
MW-20 (MID)	4					35.94	37.73		38.22	57.41	TOC	0710	

SEE RELEASE REPORTING PROCEDURE REMINDER IN SOW

NORWALK WELL GAUGING DATA

TECHNICIAN: DM DATE: 10/3/16 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.) 2Q15	Depth to water (ft.) 4Q15	Depth to water (ft.) 2Q16	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Time	
MW-21 (MID)	4				0.03	34.08	34.77		37.83	62.15	TOC	0810	
MW-6	4					33.79	34.47		35.13	51.72	TOC	0717	
MW-7	4					34.70	35.36		37.90	53.51	TOC	0803	
MW-8	4					31.86	32.69		34.20	51.90	TOC	1100	
MW-9	4					33.24	34.05		3356 ~~36.60~~	51.87	TOC	0817	
MW-O-1	4					30.39	8.37	DRY	Dry	32.71	TOC	1600	
MW-O-2	6		34.22	0.08'	0.63	30.94	32.39	35.49	34.30 ~~34.22~~	~~[illegible]~~	TOC	0800	
MW-SF-1	6				0.82	34.89	36.35	40.40	39.20	42.50	TOC	1021	
MW-SF-10	4					Dry	DRY	DRY	Dry	30.40	TOC	1028	
MW-SF-11	4				2.04	Ext. Pump	37.42	39.56	40.05	43.40	TOC	0900	
MW-SF-12	4				1.94	Ext. Pump	36.78	39.03	39.45	43.40	TOC	0920	
MW-SF-13	4				5.85	32.44	35.16	34.72	34.20	38.10	TOC	0930	
MW-SF-14	4				0.43	Ext. Pump	35.25	36.21	Dry	40.15	TOC	0936	
MW-SF-15	4				3.03	36.63	37.90	39.70	39.56	41.10	TOC	0944	
MW-SF-16	4					Ext. Pump	34.56	39.60	39.35	40.10	TOC	1009	
MW-SF-2	4				0.19	Ext. Pump	36.32	39.27	39.60	42.40	TOC	0955	
MW-SF-3	4				0.03	34.52	35.18	39.43	39.40	50.02	TOC	0900	~~Ext~~
MW-SF-4	4				1.87	37.70	38.12	40.80	41.05	42.10	TOC	0905	~~[illegible]~~
MW-SF-5	6					36.05	36.82	DRY	Dry	37.80	TOC	0949	
MW-SF-6	6				0.02	33.23	34.28	38.10	38.45	41.50	TOC	0951	
MW-SF-9	4				0.40	36.69	31.44	34.14	- unable to	Access -			const.
PW-1	4					Dry	DRY		Dry	28.40	TOC	0700	
PW-2	4					Dry	DRY		Dry	26.90	TOC	0753	
PW-3	4					30.62	31.08		33.23	50.20	TOC	0750	
PZ-10						30.72	31.42	DRY	Dry	34.81	TOC	0901	
PZ-2	4					30.48	31.18	34.72	34.67	49.05	TOC	0719	
PZ-5	4					29.66	30.50		31.00	37.80	TOC	1130	

NORWALK WELL GAUGING DATA

TECHNICIAN: DM DATE: 10/3/16 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.) 2Q15	Depth to water (ft.) 4Q15	Depth to water (ft.) 2Q16	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Time
VEW-1	4					Dry	DRY		Dry	12.55	TOC	1000
VEW-2	4					Dry	DRY		Dry	29.70	TOC	1007
WCW-1	4					29.08	29.90		31.50	52.90	TOC	1350
WCW-10	4					29.27	30.00		31.81	55.90	TOC	1343
WCW-11	4					31.19	32.02		33.31	59.80	TOC	1304
WCW-12	4					32.62	33.32		34.60	49.62	TOC	1310
WCW-13	4					34.10	34.75		36.03	60.35	TOC	1257
WCW-14	4					35.09	35.71		36.70	58.80	TOC	1248
WCW-2	4					32.84	32.52		33.60	52.33	TOC	1300
WCW-3	4					32.40	33.38		34.35	50.50	TOC	1254
WCW-4	4					34.52	35.10		36.10	42.60	TOC	1215
WCW-5	4					29.93	30.77		32.20	50.60	TOC	1340
WCW-6	4					32.08	32.82		34.00	50.91	TOC	1320
WCW-7	4					33.22	34.05		34.22	51.53	TOC	1330
WCW-8	4					34.05	34.78		35.70	51.50	TOC	1311
WCW-9	4					33.92	34.91		35.29	48.21	TOC	1510

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5

Client/Station: Defense Fuel Support Point Norwalk   82-122   SCR 7'

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: EXP-1

Well Diameter: 4"

Date: 10-7-16

128.50 (TD) - 61.17 (DTW) = 67.33 (Water Column)

Pump Intake Depth, Screened Above Water Table:

~~62.33~~ 61.17 (DTW) + 1/2(33.67 Water Column) = 94.84 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

82 (Top of Screen Depth) +1/2(20 Screen Length) = 102' (Pump Intake Depth)

Date Purged: 10-7-16   Start (24 Hour) 1125   End (24 Hour) 1145

Date Sampled: 10-7-16   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)	TURBITY (visual or NTU)
1127	.25	NT	7.49	1.018	-120.7	22.25	2.48	clear	NT
1129	.50	61.25	7.47	1.019	-121.6	22.25	2.16	"	1.04
1131	.75	61.28	7.46	1.019	-121.5	22.24	1.94	"	0.97
1133	1.0	NT	7.45	1.021	-120.7	22.22	1.71	"	0.93
1135	1.25	NT	7.43	1.022	-119.3	22.23	1.60	"	NT
1137	1.50	61.32	7.42	1.022	-117.3	22.25	1.29	"	NT
1139	1.75	61.35	7.42	1.022	-116.5	22.25	1.04	"	1.01
1141	2.0	NT	7.41	1.022	-115.7	22.29	1.20	"	0.93
1143	2.25	NT	7.41	1.023	-115.1	22.31	1.16	"	NT
1145	2.50	61.35	7.41	1.023	-114.7	22.33	1.13	"	0.89

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: split sample w/ Blairtech

Completed By (Print Name): Dave Lubben

Signature: [signature]

Reviewed By:

Date:

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The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5 **Well ID:** EXP-2

Client/Station: Defense Fuel Support Point Norwalk **Well Diameter:** 4"

Address : 15306 Norwalk Boulevard, Norwalk, California 90650 90-120 SCRINT **Date:** 10-4-16

149.00 (TD) - 62.18 (DTW) = 86.82 (Water Column)

Pump Intake Depth, Screened Above Water Table: 62.18 (DTW) + 1/2(43.41 Water Column) = 105.59 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen: 90 (Top of Screen Depth) + 1/2(15 Screen Length) = 105 (Pump Intake Depth)

Date Purged: 10-4-16 Start (24 Hour) 12 30 pm End (24 Hour) 12 50

Date Sampled: 10-4-16 Start (24 Hour) 1250 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)
1232	.25	ND	7.35	1.676	-50.9	22.60	NT	clear	1.19
1234	.50	62.25	7.30	1.680	-43.9	22.20	3.69	"	1.04
1236	.75	62.28	7.26	1.684	-42.1	22.18	3.11	"	NT
1238	1.0	62.30	7.23	1.686	-40.4	22.11	2.66	"	NT
1240	1.25	NT	7.21	1.686	-38.8	~~22.07~~	2.30	"	1.33
1242	1.5	NT	7.20	1.686	-37.7	22.03	2.06	"	1.14
1244	1.75	62.33	7.19	1.685	-36.8	22.01	1.87	"	1.09
1246	2.0	NT	7.19	1.685	-36.1	22.00	1.75	"	NT
1248	2.25	NT	7.19	1.684	-35.6	22.00	1.71	"	NT
1250	2.5	62.35	7.18	1.684	-35.2	21.99	1.67	"	1.17

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: DUP-2 obtained here.
splits obtained for BLAINetech

Completed By (Print Name): Dave Lubben Signature: [signature]

Reviewed By: Date:

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The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 091-NDLA-018/Task 5

Well ID: EXP-3

Client/Station: Defense Fuel Support Point Norwalk SCR-INT

Well Diameter: 4"

Address : 15306 Norwalk Boulevard
Norwalk, California 90650 85-115

Date: 10-4-16

150.00 (TD) - 60.42 (DTW) = 89.56 (Water Column)

Pump Intake Depth, Screened Above Water Table: 89.56 (DTW) + 1/2(44.78 Water Column) = 134.34 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen: 85' (Top of Screen Depth) +1/2(15' Screen Length) = 100' (Pump Intake Depth)

Date Purged: 10-4-16 Start (24 Hour) 835 End (24 Hour) 855

Date Sampled: 10-4-16 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)	TEMPERATURE (°F/°C)	D.O. (mg/L)	COLOR (visual)	TURBITY (visual or NTU)
837	.25	NT	7.43	1.046	-66.4	21.65	1.22	clear	NT
839	.50	60.48	7.40	1.047	-66.3	21.66	1.16	"	1.22
841	.75	60.50	7.39	1.048	-65.3	21.67	1.11	"	1.16
843	1.0	60.52	7.37	1.047	-62.9	21.69	1.05	"	1.18
845	1.25	NT	7.36	1.046	-62.1	21.71	1.02	"	NT
847	1.5	NT	7.35	1.046	-61.4	21.70	1.02	"	NT
849	1.75	60.57	7.35	1.046	-60.9	21.70	1.00	"	1.22
851	2.0	60.58	7.35	1.045	-60.3	21.71	0.96	"	1.02
853	2.25	NT	7.35	1.045	-59.9	21.71	0.95	"	NT
855	2.50	60.60	7.35	1.045	-59.5	21.71	0.95	"	1.01

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

Remarks:
obtain split samples for BlaineTech.

Completed By (Print Name): Dave Lubben

Signature: [signature]

Reviewed By:

Date:

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The Source Group, Inc.

LOW FLOW WELL MONITORING DATA SHEET

Project #: 161003-DM1	Client: ~~Kinder Morgan~~ KMEP
Sampler: DM	Start Date: 10-4-16
Well I.D.: Exp-4	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 116.20	Depth to Water: Pre: 62.71 Post: 62.77
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: 0935 Flow Rate: 300 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
0938	21.3	7.11	1781	10	0.88	-21.4	900	62.76
0941	21.5	7.14	1790	4	0.85	-25.7	1800	62.76
0944	21.5	7.14	1795	4	0.84	-26.1	2700	62.76
0947	21.6	7.14	1794	3	0.83	-28.3	3600	62.77
0950	21.6	7.14	1795	3	0.81	-30.1	4500	62.77

Did well dewater? Yes No	Amount actually evacuated: 4.5 L
Sampling Time: 0953	Sampling Date: 10-4-16
Sample I.D.: Exp-4	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 #: 161003-DM1	Client: KMEP
Sampler: DM	Start Date: 10-4-16
Well I.D.: Exp-5	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 113.30	Depth to Water: Pre: 55.40 Post: 55.50
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: 0845 Flow Rate: 300 ml/min Pump Depth: 100'

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
0848	21.5	7.11	1981	10	1.41	31.4	900	55.42
0851	21.4	7.13	1843	5	1.11	10.2	1800	55.45
0854	21.6	7.15	1850	8	0.91	-16.1	2700	55.45
0857	21.6	7.17	1851	5	0.90	-17.1	3600	55.47
0900	21.6	7.17	1855	4	0.87	-21.4	4500	55.48
0903	21.7	7.16	1857	2	0.85	-22.1	5400	55.50

Did well dewater? Yes No	Amount actually evacuated: 5.4L
Sampling Time: 0905	Sampling Date: 10-4-16
Sample I.D.: Exp-5	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 #: 161003.0M1	Client: KMEP
Sampler: DM	Start Date: 10-6-16
Well I.D.: GMW-1	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 49.20	Depth to Water: Pre: 35.80 Post: 35.95
Depth to Free Product: Ø	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: 0915 Flow Rate: 500 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
0918	22.5	7.13	1816	10	1.05	-84.1	1500	35.81
0921	23.1	7.15	1824	3	0.90	-89.4	3000	35.84
0924	23.3	7.16	1831	5	0.84	-91.3	4500	35.89
0927	23.4	7.17	1834	7	0.81	-93.7	6000	35.93
0930	23.4	7.17	1839	8	0.78	-94.1	7500	35.95

Did well dewater? Yes No	Amount actually evacuated: 7.5L
Sampling Time: 0933	Sampling Date: 10-6-16
Sample I.D.: GMW-1	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: MNA
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 161003-OM1	Client: KMEP
Sampler: DM	Start Date: 10-5-16
Well I.D.: GMW-8	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 45.20	Depth to Water: Pre: 33.47 Post: 33.58
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump

Sampling Method: Dedicated Tubing New Tubing Other

Start Purge Time: 1400 Flow Rate: 500 ml/min Pump Depth: 43'

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
1403	25.8	6.89	2778	48	0.64	-62.6	1500	33.50
1406	26.1	7.07	2790	31	0.61	-65.1	3000	33.52
1409	26.3	7.11	2793	22	0.60	-68.3	4500	33.54
1412	26.4	7.10	2799	10	0.57	-69.1	6000	33.55
1415	26.5	7.13	2798	8	0.55	-70.5	7500	33.57
1418	26.5	7.15	2801	10	0.54	-71.4	9000	33.58

Did well dewater? Yes No	Amount actually evacuated: 9L
Sampling Time: 1420	Sampling Date: 10-5-16
Sample I.D.: GMW-8	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 #: 161003-DM	Client: KMEP
Sampler: DM	Start Date: 10-6-16
Well I.D.: GMW-9	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 48.70	Depth to Water: Pre: 38.02 Post: 38.21
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: 1526 Flow Rate: 300 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
1529	25.8	7.18	2099	31	0.40	-151.6	900	38.10
1532	26.1	7.21	2130	30	0.36	-161.5	1800	38.14
1535	26.1	7.22	2135	22	0.35	-165.3	2700	38.17
1538	26.3	7.22	2136	20	0.34	-166.4	3600	38.20
1542	26.4	7.23	2137	19	0.33	-169.3	4500	38.21

Did well dewater? Yes No	Amount actually evacuated: 4.5L
Sampling Time: 1543	Sampling Date: 10-6-16
Sample I.D.: GMW-9	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other:
Equipment Blank I.D.: EB-5 @ Time 1600	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 161004-DM1	Client: KMEP
Sampler: KT	Start Date: 10.4.16
Well I.D.: GMW-13	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 49.55	Depth to Water: Pre: 33.20 Post: 33.29
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: 1141 Flow Rate: 300 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
1144	23.1	7.30	1048	20	0.25	127.6	900	33.26
1147	23.0	7.28	1041	18	0.20	124.8	1800	33.28
1150	23.0	7.28	1039	15	0.18	122.9	2700	33.29
1153	29.9	7.28	1034	14	0.17	122.3	3600	33.29
1156	29.9	7.27	1037	15	0.17	120.8	4500	33.29

Did well dewater? Yes No	Amount actually evacuated: 4500
Sampling Time: 1159	Sampling Date: 10.4.16
Sample I.D.: GMW-13	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 #: 161003-DM1	Client: KMEP
Sampler: DM	Start Date: 10-6-14
Well I.D.: 4MW-23	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 57.80	Depth to Water: Pre: 36.15 Post: 36.27
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: 1417 Flow Rate: 500 ml/min Pump Depth: 54'

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
1420	22.9	7.13	2511	10	0.71	-110.6	1500	36.14
1423	24.1	7.18	2537	5	0.38	-113.5	3000	36.19
1426	24.5	7.21	2541	8	0.35	-116.8	4500	36.20
1429	24.6	7.23	2543	5	0.36	-117.9	6000	36.24
1432	24.6	7.23	2546	6	0.36	-119.4	7500	36.27

Did well dewater? Yes No	Amount actually evacuated: 7.5L
Sampling Time: 1433	Sampling Date: 10-6-14
Sample I.D.: 4MW-33	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: see C.O.C.
Equipment Blank I.D.: @ Time	Duplicate I.D.:

Blaine Tech Services, Inc. 1680 Rogers Ave., San Jose, CA 95112 (408) 573-0555

LOW FLOW WELL MONITORING DATA SHEET

Project #: 161003-DM1	Client: KMEP
Sampler: DM	Start Date: 10-6-14
Well I.D.: GMW-25	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 53.70	Depth to Water: Pre: 38.70 Post: 38.83
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: 1455 Flow Rate: 500 ml/min Pump Depth: 50'

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
1458	25.3	7.13	2211	18	0.61	-81.4	1500	38.74
1501	25.3	7.15	2214	32	0.60	-83.2	3000	38.75
1504	25.3	7.15	2214	25	0.54	-85.1	4500	38.77
1507	25.4	7.18	2219	21	0.53	-86.5	6000	38.79
1510	25.5	7.18	2223	23	0.51	-87.1	7500	38.83

Did well dewater? Yes No	Amount actually evacuated: 7.5 L
Sampling Time: 1515	Sampling Date: 10-6-14
Sample I.D.: GMW-25	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other:
Equipment Blank I.D.: @ Time	Duplicate I.D.:

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LOW FLOW WELL MONITORING DATA SHEET

Project #: 161003-DM1	Client: KMEP
Sampler: DM	Start Date: 10-6-16
Well I.D.: GMW-26	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 48.25	Depth to Water: Pre: 35.12 Post: 35.19
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: 0745 Flow Rate: 500 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
0748	23.9	7.29	5331	541	0.70	-77.5	1500	35.12
0751	24.1	7.25	5051	208	0.64	-79.1	3000	35.13
0754	24.5	7.21	5027	339	0.61	-80.3	4500	35.15
0757	24.6	7.20	5025	307	0.60	-84.1	6000	35.17
0800	24.6	7.18	5019	299	0.58	-85.2	7500	35.17
0803	24.7	7.17	5018	295	0.57	-87.3	9000	35.19

Did well dewater? Yes No	Amount actually evacuated: 9L
Sampling Time: 0805	Sampling Date: 10-6-16
Sample I.D.: GMW-26	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: MNA
Equipment Blank I.D.: @ Time	Duplicate I.D.: ~~Dup-5~~

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LOW FLOW WELL MONITORING DATA SHEET

Project #: 161003-DM1	Client: KMEP
Sampler: DM	Start Date: 10-6-16
Well I.D.: 4MW-28	Well Diameter: 2 3 4 6 8 ___
Total Well Depth: 49.15	Depth to Water: Pre: 35.81 Post: 35.90
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: 1314 Flow Rate: 500 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
1317	25.1	7.11	2870	15	0.52	-100.6	1500	35.84
1320	25.3	7.08	2879	10	0.39	-101.5	3000	35.87
1323	25.5	7.07	2878	10	0.37	-102.3	4500	35.90
1326	25.7	7.10	2875	8	0.35	-104.1	6000	35.90
1329	25.6	7.11	2879	9	0.34	-105.4	7500	35.90

Did well dewater? Yes No	Amount actually evacuated: 7.5L
Sampling Time: 1330	Sampling Date: 10-6-16
Sample I.D.: 4MW-28	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 #: 161003-DM1	Client: KMEP
Sampler: DM	Start Date: 10-6-16
Well I.D.: 4MW-36	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: —	Depth to Water: Pre: 35.05 Post: —
Depth to Free Product: 34.65	Thickness of Free Product (feet): 0.40
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
	—	0.40'	SPH	detected		w/		
		I.P.	probe,		No	sample —		

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 #: 161004-DM1	Client: KMEP
Sampler: KT	Start Date: 10.4.16
Well I.D.: GMW-37	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 53.50	Depth to Water: Pre: 35.10 Post: 35.21
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: 1214 Flow Rate: 300 ML/MIN Pump Depth: 51'

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
1217	23.8	7.30	1391	30	0.37	136.4	900	35.17
1220	23.6	7.30	1399	27	0.31	136.2	1800	35.20
1223	23.6	7.29	1404	25	0.30	135.8	2700	35.20
1226	23.5	7.29	1397	25	0.29	135.4	3600	35.20
1229	23.5	7.28	1399	23	0.27	133.8	4500	35.21

Did well dewater? Yes No	Amount actually evacuated: 4500
Sampling Time: 1231	Sampling Date: 10.4.16
Sample I.D.: GMW-37	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 #: 161004-BM1	Client: KMEP
Sampler: KT	Start Date: 10-4-16
Well I.D.: GMW-38	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 53.00	Depth to Water: Pre: 34.10 Post: 34.21
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: 1110 Flow Rate: 300 mL/MIN Pump Depth: 50'

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
1113	23.0	7.39	816	24	0.25	158.6	900	34.17
1116	23.1	7.36	810	20	0.23	154.3	1800	34.19
1119	23.1	7.35	808	19	0.22	153.7	2700	34.20
1122	23.0	7.35	811	15	0.22	152.6	3600	34.21
1125	22.9	7.34	814	15	0.23	152.2	4500	34.21

Did well dewater? Yes No	Amount actually evacuated: 4500
Sampling Time: 1130	Sampling Date: 10-4-16
Sample I.D.: GMW-38	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 #: 161003-PM1	Client: KMEP
Sampler: KT	Start Date: 10-5-16
Well I.D.: GMW-39	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 50.60	Depth to Water: Pre: 33.20 Post: 33.27
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: 0659 Flow Rate: 300 mL/MIN Pump Depth: 48'

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
~~06~~ 0702	21.4	7.22	1322	15	0.64	160.8	900	33.26
0705	21.2	7.20	1314	11	0.57	159.9	1800	33.27
0708	21.2	7.19	1302	10	0.50	157.9	2700	33.27
0711	21.2	7.18	1300	7	0.44	158.3	3600	33.27
0714	21.1	7.18	1306	6	0.43	158.5	4500	33.27
0717	KT ~~21~~ 21.2	7.10	1305	6	0.40	157.8	5400	33.27

Did well dewater? Yes No	Amount actually evacuated: 5400
Sampling Time: 0720	Sampling Date: 10-5-16
Sample I.D.: GMW-39	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See CoC
Equipment Blank I.D.: @ Time	Duplicate I.D.: Dup-1

LOW FLOW WELL MONITORING DATA SHEET

Project #: 161003-DM1	Client: KMEP
Sampler: DM	Start Date: 10-7-14
Well I.D.: 4MW-30	Well Diameter: 2 3 4' 6 8 ____
Total Well Depth: 49.70	Depth to Water: Pre: 36.30 Post: 36.33
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: 0840 Flow Rate: 500 ml/m 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
0843	22.5	7.13	1817	15	0.56	-97	1500	36.37
0846	22.5	7.19	1827	10	0.51	-110	3000	36.32
0849	22.6	7.22	1830	8	0.50	-112	4500	36.32
0852	22.6	7.22	1834	8	0.47	-99	6000	36.32
0855	22.7	7.20	1838	7	0.48	-102	7500	36.33

Did well dewater? Yes No	Amount actually evacuated: 7.5L
Sampling Time: 0900	Sampling Date: 10-7-14
Sample I.D.: 4MW-30	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: 4MNA
Equipment Blank I.D.: EB-6 @ Time 0910	Duplicate I.D.: [illegible]

LOW FLOW WELL MONITORING DATA SHEET

Project #: 161004-DM1	Client: KMEP
Sampler: KT	Start Date: 10·4·16
Well I.D.: GMW-0-1	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 49.10	Depth to Water: Pre: 31.20 Post: 31.28
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: 1448 Flow Rate: 200 mL/MIN Pump Depth: 41'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1451	23.2	7.11	3443	36	1.56	158.9	600	31.25
1454	23.2	7.10	3437	31	1.28	160.4	1200	31.27
1457	23.1	7.09	3429	27	0.97	158.3	1800	31.27
1500	23.1	7.09	3434	25	0.88	155.2	2400	31.28
1503	23.1	7.08	3432	26	0.85	152.9	3000	31.28
1506	23.1	7.08	3430	26	0.84	150.6	3600	31.28
1509	23.1	7.08	3427	24	0.82	150.2	4200	31.28

Did well dewater? Yes No	Amount actually evacuated: ~~4200~~ KT 4200
Sampling Time: 1515	Sampling Date: 10·4·16
Sample I.D.: GMW-0-1	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See COC
Equipment Blank I.D.: EB-2 @ Time 1530	Duplicate I.D.:

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LOW FLOW WELL MONITORING DATA SHEET

Project #: 161004-DM1	Client: KMEP
Sampler: KT	Start Date: 10·4·16
Well I.D.: GMW-0-2	Well Diameter: 2 3 4 6 8 ___
Total Well Depth: 49.10	Depth to Water: Pre: 31.30 Post: 31.38
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: 0851 Flow Rate: 300 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
0854	22.3	7.15	2626	55	0.59	194.3	900	31.37
0857	22.1	7.12	2622	50	0.44	199.7	1800	31.38
0900	22.1	7.11	2629	40	0.36	200.1	2400	31.38
0903	22.1	7.11	2634	40	0.35	201.9	3600	31.38
0906	22.1	7.11	2637	30	0.33	203.8	4500	31.38

Did well dewater? Yes No	Amount actually evacuated: 4500
Sampling Time: 0908	Sampling Date: 10·4·16
Sample I.D.: GMW-0-2	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 #: 161003-DM1	Client: KMEP
Sampler: KT	Start Date: 10.5.16
Well I.D.: GMW-0-3	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 47.80	Depth to Water: Pre: 31.45 Post: 31.55
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: 0830 Flow Rate: 300 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
0833	22.4	7.19	2553	111	0.43	-55.5	900	31.54
0836	22.6	7.18	2560	109	0.39	-56.0	1800	31.55
0839	22.6	7.18	2568	109	0.34	-54.8	2700	31.55
0842	22.7	7.18	2564	107	0.31	-53.5	3600	31.55
0845	22.7	7.18	2570	105	0.30	-52.9	4500	31.55

Did well dewater? Yes No	Amount actually evacuated: 4500
Sampling Time: 0850	Sampling Date: 10.5.16
Sample I.D.: GMW-0-3	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 #: 161003-DM1	Client: KMEP
Sampler: KT	Start Date: 10-5-16
Well I.D.: GMW-0-4	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 49.15	Depth to Water: Pre: 30.90 Post: 30.93
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: 0907 Flow Rate: 200 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
0910	23.1	7.22	3363	121	1.40	112.2	600	30.92
0913	23.2	7.21	3361	115	1.20	112.8	1200	30.93
0916	23.4	7.20	3357	108	1.01	112.9	1800	30.93
0919	23.3	7.18	3352	103	0.98	113.7	2400	30.93
0922	23.3	7.18	3355	102	0.96	112.4	3000	30.93
0925	23.4	7.18	3358	100	0.95	111.8	3600	30.93

Did well dewater? Yes No	Amount actually evacuated: 3600
Sampling Time: 0930	Sampling Date: 10-5-16
Sample I.D.: GMW-0-4	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 #: 161004-DM1	Client: KMEP
Sampler: KT	Start Date: 10.4.16
Well I.D.: GMW-0-5	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 49.00	Depth to Water: Pre: 31.43 Post: 31.51
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: 0930 Flow Rate: 300 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
0933	23.9	7.30	1800	32	1.14	174.8	900	31.50
0936	23.4	7.28	1754	27	1.08	170.3	1800	31.51
0939	23.1	7.26	1718	12	1.11	171.8	2700	31.51
0942	22.9	7.27	1715	12	0.73	165.4	3600	31.51
0945	22.8	7.26	1713	11	0.72	162.3	4500	31.51
0948	22.8	7.26	1712	10	0.70	160.5	5400	31.51

Did well dewater? Yes No	Amount actually evacuated: 5400
Sampling Time: 0950	Sampling Date: 10.4.16
Sample I.D.: GMW-0-5	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 #: 161003-DM1	Client: KMEP
Sampler: KT	Start Date: 10.5.16
Well I.D.: GMW-0-16	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 48.90	Depth to Water: Pre: 32.00 Post: 32.14
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: 1505 Flow Rate: 300mL/MIN Pump Depth: 46

Time	Temp. (C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1508	22.0	7.09	1722	29	1.03	160.8	900	32.11
1511	22.2	7.09	1725	26	0.87	159.3	1800	32.14
1514	22.2	7.07	1717	24	0.70	157.9	2700	32.14
1517	22.3	7.06	1710	23	0.66	156.4	3600	32.14
1520	22.4	7.06	1708	22	0.57	156.1	4500	32.14
1523	22.4	7.05	1711	20	0.56	155.5	5400	32.14
1526	22.4	7.06	1714	20	0.54	156.3	6300	32.14

Did well dewater? Yes No	Amount actually evacuated: 6300
Sampling Time: 1530	Sampling Date: 10.5.16
Sample I.D.: GMW-0-16	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other See CoC
Equipment Blank I.D.: EB-2 @ Time 1540	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 161003-DM1	Client: KMEP
Sampler: KT	Start Date: 10.5.16
Well I.D.: GMW-0-9	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 50.10	Depth to Water: Pre: 33.03 Post: 33.12
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: 1227 Flow Rate: 300 mL/MIN Pump Depth: 48'

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
1230	22.4	7.20	2740	22	0.33	149.7	900	33.08
1233	22.6	7.18	2733	20	0.29	150.3	1800	33.10
1236	22.7	7.17	2738	15	0.27	149.0	2700	33.11
1239	22.7	7.16	2734	13	0.26	148.7	3600	33.11
1242	22.7	7.16	2736	11	0.24	147.6	4500	33.12

Did well dewater? Yes No	Amount actually evacuated: 4500
Sampling Time: 1245	Sampling Date: 10.5.16
Sample I.D.: GMW-0-9	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 #: 161004-~~KT~~ DMI	Client: KMEP
Sampler: KT	Start Date: 10.4.16
Well I.D.: GMW-O-10	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 49.84	Depth to Water: Pre: 33.13 Post: 33.22
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: 1355 Flow Rate: 300mL/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
1358	23.8	7.51	2818	30	0.56	190.3	900	33.19
1401	23.5	7.50	2809	31	0.54	184.7	1800	33.22
1404	23.5	7.47	2799	27	0.50	182.9	2700	33.22
1407	23.4	7.47	2801	26	0.48	182.3	3600	33.22
1410	23.4	7.46	2797	27	0.48	181.6	4500	33.22

Did well dewater? Yes No	Amount actually evacuated: 4500
Sampling Time: 1415	Sampling Date: 10.4.16
Sample I.D.: GMW-O-10	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See CoC
Equipment Blank I.D.: @ Time	Duplicate I.D.: Dup-2

LOW FLOW WELL MONITORING DATA SHEET

Project #: 161003-DM1	Client: KMEP
Sampler: DM	Start Date: 10-7-16
Well I.D.: GMW-O-14	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 50.40	Depth to Water: Pre: 34.08 Post: 34.22
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: 1110 Flow Rate: 300 ml/m Pump Depth: 48'

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
1113	23.9	7.30	3101	138	0.36	-94.4	900	34.11
1116	24.8	7.33	2705	49	0.31	-99.1	1800	34.13
1119	25.1	7.33	2701	30	0.30	-101.7	2700	34.16
1122	25.3	7.34	2700	33	0.26	-103.2	3600	34.19
1125	25.3	7.35	2689	35	0.28	-104.7	4500	34.22

Did well dewater? Yes No	Amount actually evacuated: 4.5L
Sampling Time: 1127	Sampling Date: 10-7-16
Sample I.D.: GMW-O-14	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other:
Equipment Blank I.D.: @ Time	Duplicate I.D.: Dup-7

LOW FLOW WELL MONITORING DATA SHEET

Project #: 161003-DM	Client: KMEP
Sampler: DM	Start Date: 10-7-14
Well I.D.: 6MW-0-15	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: —	Depth to Water: Pre: 31.00 Post: —
Depth to Free Product: 30.92	Thickness of Free Product (feet): 0.08'
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
	~0.08'		SPH	detected	w/	IT	probe,	
		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 #: 161004-DM1	Client: KMEP
Sampler: KT	Start Date: 10-4-16
Well I.D.: GMW-O-17	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 40.01	Depth to Water: Pre: 31.10 Post: 31.20
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: 1028 Flow Rate: 300 mL/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
1031	22.7	7.25	1813	25	1.01	150.6	900	31.17
1034	22.6	7.25	1809	22	0.98	147.9	1800	31.20
1037	22.6	7.25	1806	22	0.53	145.3	2700	31.20
1040	22.6	7.24	1809	21	0.42	144.3	3600	31.20
1043	22.6	7.23	1805	20	0.40	142.5	4500	31.20

Did well dewater? Yes No	Amount actually evacuated: 4500
Sampling Time: 1045	Sampling Date: 10-4-16
Sample I.D.: GMW-O-17	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 #: 161003-Pm1	Client: KMEP
Sampler: Om	Start Date: 10-6-14
Well I.D.: Gmw-0-18	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
	— Ext	Pump	stuck		in	well —		

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 #: 161003-DM1	Client: KMEP
Sampler: KT	Start Date: 10.5.16
Well I.D.: GMW-0-19	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 39.90	Depth to Water: Pre: 32.20 Post: 32.33
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: 1418 Flow Rate: 200mL/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
1421	21.7	7.24	1880	37	0.89	166.7	600	32.28
1424	21.9	7.24	1863	25	0.74	160.2	1200	32.29
1427	22.2	7.21	1852	22	0.70	159.8	1800	32.30
1430	22.2	7.20	1846	18	0.68	160.4	2400	32.32
1433	22.4	7.20	1844	17	0.67	158.2	3000	32.33
1436	22.4	7.19	1841	15	0.65	158.3	3600	32.33
1439	22.4	7.19	1840	15	0.62	158.9	4200	32.33

Did well dewater? Yes No	Amount actually evacuated: 4200
Sampling Time: 1445	Sampling Date: 10.5.16
Sample I.D.: GMW-0-19	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 #: 161003-DM1	Client: KMEP
Sampler: DM	Start Date: 10-7-16
Well I.D.: GMW-O-20	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 37.80	Depth to Water: Pre: 33.12 Post: 33.23
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: 1240 Flow Rate: 200ml/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
1243	23.9	7.20	2263	189	0.36	-88.1	600	33.15
1246	24.9	7.23	2268	76	0.31	-89.9	1200	33.16
1249	25.2	7.25	2274	71	0.29	-91.3	1800	33.18
1252	25.3	7.24	2279	70	0.25	-93.7	2400	33.21
1255	25.3	7.26	2281	68	0.24	-95.1	3000	33.23

Did well dewater? Yes No	Amount actually evacuated: 3000
Sampling Time: 1257	Sampling Date: 10-7-16
Sample I.D.: GMW-O-20	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: 4MNA
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 161003-DM1	Client: KMEP
Sampler: DM	Start Date: 10-7-16
Well I.D.: GMW-O-21	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 47.30	Depth to Water: Pre: 33.45 Post: 33.47
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: 0715 Flow Rate: 500 ml/min Pump Depth: 40'

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
0718	23.1	7.21	3110	381	0.41	-129.4	1500	33.45
0721	23.2	7.25	3118	270	0.40	-131.5	3000	33.46
0724	23.2	7.26	3127	57	0.38	-138.3	4500	33.46
0727	23.2	7.27	3131	55	0.36	-140.1	6000	33.47
0730	23.3	7.27	3134	53	0.35	-142.6	7500	33.47

Did well dewater? Yes No	Amount actually evacuated: 7.5L
Sampling Time: 0733	Sampling Date: 10-7-16
Sample I.D.: GMW-O-21	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See C.O.C
Equipment Blank I.D.: @ Time	Duplicate I.D.:

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LOW FLOW WELL MONITORING DATA SHEET

Project #: 161003.0M1	Client: KMEP
Sampler: DM	Start Date: 10-7-16
Well I.D.: GMW-0-23	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 38.50	Depth to Water: Pre: 34.90 Post: 34.98
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: 1200 Flow Rate: 200 ml/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
1203	26.3	7.09	1893	387	0.40	-84.2	600	34.93
1206	26.3	7.13	1899	89	0.23	-89.7	1200	34.95
1209	26.0	7.15	1917	80	0.21	-91.3	1800	34.96
1212	26.0	7.17	1915	77	0.17	-92.5	2400	34.97
1215	25.9	7.18	1914	83	0.18	-93.0	3000	34.98

Did well dewater? Yes No	Amount actually evacuated: 3L
Sampling Time: 1217	Sampling Date: 10-7-16
Sample I.D.: GMW-0-23	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 #: 161004-KT1	Client: KMEP
Sampler: KT	Start Date: 10·4·16
Well I.D.: GMW-024	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 45.08	Depth to Water: Pre: 32.39 Post: 32.45
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: 1258 Flow Rate: 300 mL/min Pump Depth: 43

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
1301	21.0	7.07	2005	131	0.83	39.6	900	32.41
1304	21.0	7.10	2000	129	0.77	39.1	1800	32.44
1307	21.0	7.11	2011	120	0.72	37.8	2700	32.45
1310	21.1	7.10	2006	338	0.68	37.5	3600	32.45
1313	21.1	7.08	1998	350	0.66	36.9	4500	32.45
1316	21.0	7.08	1995	330	0.67	37.4	5400	32.45

Did well dewater? Yes No	Amount actually evacuated: 5400
Sampling Time: 1320	Sampling Date: 10·4·16
Sample I.D.: GMW-024	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See CoC
Equipment Blank I.D.: @ Time	Duplicate I.D.: DUP-1

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LOW FLOW WELL MONITORING DATA SHEET

Project #: 161003-DM1	Client: KMEP
Sampler: KT	Start Date: 10·5·16
Well I.D.: GMW-SF-7	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 43.20	Depth to Water: Pre: 33.72 Post: 33.82
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: 1140 Flow Rate: 300 mL/min Pump Depth: 40'

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
1143	23.5	7.10	1505	6	1.37	131.0	900	33.79
1146	23.9	7.07	1513	5	1.19	123.4	1800	33.81
1149	24.3	7.06	1502	5	1.06	114.2	2700	33.82
1152	24.5	7.05	1518	4	0.97	108.0	3600	33.82
1155	24.6	7.05	1522	4	0.95	107.0	4500	33.82
1158	24.5	7.05	1524	4	0.93	106.8	5400	33.82

Did well dewater? Yes No	Amount actually evacuated: 4500
Sampling Time: 1159	Sampling Date: 10·5·16
Sample I.D.: GMW-SF-7	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 #: 161003-DM1	Client: KMEP
Sampler: KT	Start Date: 10.5.16
Well I.D.: GMW-SF-8	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 43.70	Depth to Water: Pre: 35.01 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: 1000 Flow Rate: 300 ML/MIN Pump Depth: 40

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
1003	23.2	7.30	1775	25	1.54	145.5	900	35.10
1006	23.1	7.28	1770	20	1.32	145.0	1800	35.11
1009	23.1	7.28	1772	18	1.27	143.6	2700	35.12
1012	23.1	7.26	1771	14	1.23	144.2	3600	35.12
1015	23.0	7.26	1768	13	1.19	143.9	4500	35.13
1018	23.0	7.26	1764	10	1.18	143.2	5400	35.13

Did well dewater? Yes No	Amount actually evacuated: 5400
Sampling Time: 1020	Sampling Date: 10.5.16
Sample I.D.: GMW-SF-8	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 #: 161003-0M1	Client: KMEP
Sampler: KT	Start Date: 10-5-16
Well I.D.: HL-2	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 38.24	Depth to Water: Pre: 35.17 Post: 35.23
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: 1308 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
1311	24.1	6.89	3363	71000	0.77	155.3	600	35.19
1314	24.2	6.88	3367	71000	0.62	156.2	1200	35.21
1317	24.2	6.89	3365	71000	0.57	155.9	1800	35.22
1320	24.3	6.89	3364	71000	0.45	155.5	2400	35.22
1323	24.3	6.89	3360	71000	0.46	155.4	3000	35.23
1326	24.3	6.89	3362	71000	0.44	155.2	3600	35.23

Did well dewater? Yes No	Amount actually evacuated: 3600
Sampling Time: 1330	Sampling Date: 10-5-16
Sample I.D.: HL-2	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See CoC
Equipment Blank I.D.: @ Time	Duplicate I.D.: DUP-2

LOW FLOW WELL MONITORING DATA SHEET

Project #: 16003-DM1	Client: KMEP
Sampler: DM	Start Date: 10-6-16
Well I.D.: HL-3	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 41.40	Depth to Water: Pre: 37.22 Post: 37.28
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: 0822 Flow Rate: 200ml/min Pump Depth: 40.51

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
0825	23.1	7.19	2991	457	0.91	-73.9	600	37.22
0828	23.3	7.30	3057	401	0.84	-79.1	1200	37.23
0831	23.5	7.31	3059	350	0.80	-80.1	1800	37.24
0834	23.8	7.33	3064	348	0.80	-82.3	2400	37.25
0837	23.9	7.35	3069	352	0.77	-83.1	3000	37.28

Did well dewater? Yes No	Amount actually evacuated: 3L
Sampling Time: 0840	Sampling Date: 10-6-16
Sample I.D.: HL-3	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: MNA
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 161003-DM	Client: KMEP
Sampler: DM	Start Date: 10-5-16
Well I.D.: MW-6	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 51.72	Depth to Water: Pre: 35.13 Post: 35.30
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: 1000 Flow Rate: 500 ml/min Pump Depth: 48'

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
1003	23.1	7.05	2391	10	0.77	-49.7	1500	35.18
1006	23.0	6.95	2305	8	0.71	-53.1	3000	35.20
1009	22.7	6.91	2310	5	0.70	-55.2	4500	35.22
1012	22.7	6.90	2313	5	0.70	-57.0	6000	35.25
1015	22.5	6.90	2315	4	0.69	-58.1	7500	35.30

Did well dewater? Yes No	Amount actually evacuated: 7.5L
Sampling Time: 1017	Sampling Date: 10/5/16
Sample I.D.: MW-6	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: 1MNA
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 161003-DM1	Client: KMEP
Sampler: DM	Start Date: 10-5-16
Well I.D.: MW-7	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 53.51	Depth to Water: Pre: 37.90 Post: 38.10
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: 1120 Flow Rate: 500 ml/m Pump Depth: 48'

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
1123	23.1	7.11	2511	5	0.61	-71.4	1500	38.00
1126	23.2	7.14	2537	8	0.57	-78.1	3000	38.02
1129	23.3	7.16	2541	6	0.55	-81.1	4500	38.05
1132	23.4	7.17	2543	5	0.54	-82.3	6000	38.05
1135	23.5	7.17	2544	5	0.53	-83.1	7500	38.10

Did well dewater? Yes No	Amount actually evacuated: 7.5L
Sampling Time: 1137	Sampling Date: 10-5-16
Sample I.D.: MW-7	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: +MNA
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 161003-DM1	Client: KMEP
Sampler: KT	Start Date: 10.5.16
Well I.D.: MW-8	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 51.90	Depth to Water: Pre: 34.20 Post: 34.31
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: 1058 Flow Rate: 300 mL/min Pump Depth: 48'

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
1101	23.5	7.04	1664	23	1.84	148.6	900	34.29
1104	23.8	7.00	1663	14	1.66	148.1	1800	34.31
1107	24.2	7.00	1665	10	1.48	148.0	2700	34.31
1110	24.4	7.00	1662	8	1.39	147.6	3600	34.31
1113	24.6	7.00	1660	8	1.40	147.2	~~4500~~ 4500	34.31
1116	24.7	7.01	1658	7	1.38	146.9	5400	34.31
1119	24.8	7.00	1654	7	1.37	146.5	6300	34.31

Did well dewater? Yes No	Amount actually evacuated: 6300
Sampling Time: 1122	Sampling Date: 10.5.16
Sample I.D.: MW-8	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 #: 161003-DM	Client: KMEP
Sampler: DM	Start Date: 10-5-16
Well I.D.: MW-9	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 51.87	Depth to Water: Pre: 33.56 Post: 33.63
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: 500 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	22.9	7.10	3143	63	0.83	-29.1	1500	33.60
1306	25.4	7.10	3149	51	0.75	-39.4	3000	33.60
1309	26.1	7.13	3150	48	0.71	-45.4	4500	33.60
1312	26.1	7.14	3157	45	0.70	-48.1	6000	33.61
1315	26.2	7.15	3161	41	0.70	-49.4	7500	33.63

Did well dewater? Yes No	Amount actually evacuated: 7.5 l
Sampling Time: 1317	Sampling Date: 10-5-16
Sample I.D.: MW-9	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 #: 161003-DM1	Client: KMEP
Sampler: KT	Start Date: 10.5.16
Well I.D.: MW-12	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 52.02	Depth to Water: Pre: 35.84 Post: 35.93
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: 0745 Flow Rate: 300 mL/min Pump Depth: 50'

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
0748	22.0	7.19	1034	9	1.65	22.2	900	35.92
0751	22.5	7.15	1053	8	1.47	18.0	1800	35.93
0754	22.7	7.14	1054	8	1.37	16.9	3600	35.93
0757	22.7	7.14	1060	7	1.35	17.2	4500	35.93
0800	22.8	7.14	1057	5	1.34	17.0	5400	35.93

Did well dewater? Yes No	Amount actually evacuated: 5400
Sampling Time: 0805	Sampling Date: 10.5.16
Sample I.D.: MW-12	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See COC
Equipment Blank I.D.: @ Time	Duplicate I.D.:

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LOW FLOW WELL MONITORING DATA SHEET

Project #: 161003-DM1	Client: KMEP
Sampler: DM	Start Date: 10-6-16
Well I.D.: MW-18 (MID)	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 65.50	Depth to Water: Pre: 40.93 Post: 40.98
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: 1230 Flow Rate: 500 Ml/min Pump Depth: 60'

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
1233	25.5	7.06	1519	5	0.82	-22.4	1500	40.93
1236	25.8	7.10	1530	4	0.80	-28.1	3000	40.93
1239	25.9	7.11	1530	6	0.75	-55.1	4500	40.95
1242	26.1	7.13	1533	5	0.73	-57.4	6000	40.96
1245	27.0	7.15	1535	4	0.71	-58.9	7500	40.98

Did well dewater? Yes No	Amount actually evacuated: 7.5 L
Sampling Time: 1246	Sampling Date: 10-6-16
Sample I.D.: MW-18 (MID)	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 #: 161003-DM1	Client: KMEP
Sampler: DM	Start Date: 10-5-16
Well I.D.: MW-19 (MID)	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 62.00	Depth to Water: Pre: 40.60 Post: 40.70
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: 1037 Flow Rate: 1500 ml/min Pump Depth: 57'

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
1040	23.4	7.20	2099	10	0.70	-84.1	1500	40.62
1043	23.4	7.20	2110	8	0.65	-83.7	3000	40.64
1046	23.5	7.18	2113	4	0.61	-85.7	4500	40.67
1049	23.5	7.15	2115	4	0.60	-88.1	6000	40.68
1052	23.5	7.15	2119	3	0.59	-88.9	7500	40.70

Did well dewater? Yes No	Amount actually evacuated: 7.5L
Sampling Time: 1055	Sampling Date: 10-5-16
Sample I.D.: MW-19 (MID)	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 #: 161003-DM1	Client: KMEP
Sampler: DM	Start Date: 10-5-16
Well I.D.: MW-20 (MID)	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 57.41	Depth to Water: Pre: 38.22 Post: 38.40
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: 0930 Flow Rate: 500 ml/min Pump Depth: 55'

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
0933	22.9	7.27	2819	36	0.71	-105.3	1500	38.33
0936	23.1	7.31	2821	10	0.70	-110.1	3000	38.34
0939	23.3	7.33	2824	5	0.65	-113.2	4500	38.35
0942	23.4	7.33	2827	5	0.64	-115.3	6000	38.37
0945	23.5	7.35	2831	3	0.62	-117.1	7500	38.40

Did well dewater? Yes No	Amount actually evacuated: 7.5L
Sampling Time: 0946	Sampling Date: 10/5/16
Sample I.D.: MW-20 (mid)	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 #: 161003DM1	Client: KMEP
Sampler: DM	Start Date: 10-5-16
Well I.D.: MW-21 (MID)	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 62.15	Depth to Water: Pre: 37.83 Post: 37.94
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: 1450 Flow Rate: 500 ml/m Pump Depth: 58'

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
1453	23.9	7.30	2205	17	0.49	-60.9	1500	37.85
1456	24.7	7.24	2219	10	0.45	-70.4	3000	37.87
1459	24.9	7.10	2222	8	0.45	-71.5	4500	37.89
1502	25.3	7.19	2216	10	0.43	-72.3	6000	37.91
1505	25.4	7.18	2214	8	0.44	-73.7	7500	37.94

Did well dewater? Yes No	Amount actually evacuated: 7.5L
Sampling Time: 1507	Sampling Date: 10-5-16
Sample I.D.: MW-21 (MID)	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other:
Equipment Blank I.D.: EB-3 @ Time 1525	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 161003-0M1	Client: KMEP
Sampler: OM	Start Date: 10-7-16
Well I.D.: MW-0-2	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: —	Depth to Water: Pre: 34.22 Post: —
Depth to Free Product: 34.30	Thickness of Free Product (feet): 0.08
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
	- 0.08'	SPH	detected		w/	IT	probe	
	No		sample -					

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 #: 161063-DM1	Client: KMEP
Sampler: DM	Start Date: 10-7-16
Well I.D.: MW-SF-1	Well Diameter: 2 3 4 6 8 ___
Total Well Depth: 42.50	Depth to Water: Pre: 39.20 Post: 39.25
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: 0933 Flow Rate: 200 ml/min Pump Depth: 42'

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
0936	25.1	7.27	3197	41	0.51	-116.3	600	39.23
0939	25.6	7.30	3208	30	0.50	-118.4	1200	39.24
0942	25.6	7.31	3217	35	0.47	-119.5	1800	39.24
0945	25.7	7.30	3230	32	0.45	-120.6	2400	39.24
0948	25.8	7.32	3237	29	0.45	-121.5	3000	39.24
0951	25.9	7.32	3240	27	0.44	-122.3	3600	39.25

Did well dewater? Yes No	Amount actually evacuated: 3.6L
Sampling Time: MW-SF-1	Sampling Date: 10-7-16
Sample I.D.: 0953	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: +MNA
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141003-DM1	Client: KMEP
Sampler: DM	Start Date: 10.7.16
Well I.D.: MW-SF-4	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 42.10	Depth to Water: Pre: 41.05 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 Grab

Start Purge Time: 1320 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
1320	27.0	7.18	2680	298	0.43	-108.6	—	—
	-Insufficient			water	to	purge -		
		-Grab		Sample	taken -			

Did well dewater? Yes No	Amount actually evacuated: —
Sampling Time: 1320	Sampling Date: 10-7-16
Sample I.D.: MW-SF-4	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 #:	NE1003-DM1	Client:	KMEP
Sampler:	DM	Start Date:	10-7-16
Well I.D.:	MW-SF-6	Well Diameter:	2 3 4 6 8 ____
Total Well Depth:	41.50	Depth to Water:	Pre: 38.45 Post: 38.54
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: 1020 Flow Rate: 200 ml/min Pump Depth: 41.5'

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
1023	26.1	7.23	2189	>1000	0.21	-154.7	600	38.47
1026	26.1	7.23	2257	>1000	0.20	-158.1	1200	38.49
1029	26.0	7.20	2263	>1000	0.19	-161.3	1800	38.51
1032	25.9	7.19	2269	>1000	0.18	-162.5	2400	38.53
1035	25.9	7.19	2272	>1000	0.18	-163.0	3000	38.54

Did well dewater?	Yes No	Amount actually evacuated:	3L
Sampling Time:	1037	Sampling Date:	10-7-16
Sample I.D.:	MW-SF-6	Laboratory:	Alpha Analytical
Analyzed for:	TPHg TPHfp VOC's MTBE	Other:	+MN4
Equipment Blank I.D.:	@ Time	Duplicate I.D.:	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 161003-DM1	Client: KMEP
Sampler: DM	Start Date: 10-3-18
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
	–	unable	to	Access		well		
		due	to	con	struction		–	

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.:

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LOW FLOW WELL MONITORING DATA SHEET

Project #: 161003-DM1	Client: KMEP
Sampler: DM	Start Date: 10-7-16
Well I.D.: MW-SF-13	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 38.10	Depth to Water: Pre: 34.20 Post: 34.38
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: 0803 Flow Rate: 200 ml/min ~~500ml~~ 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
0803	22.3	7.31	3415	87	0.27	-151.7	600	34.25
0806	22.7	7.30	3419	85	0.20	-160.3	1200	34.27
0809	22.7	7.27	3431	120	0.20	-165.2	1800	34.31
0812	22.8	7.27	3437	110	0.17	-166.4	2400	34.35
0815	22.8	7.25	3440	110	0.15	-167.1	3000	34.38

Did well dewater? Yes No	Amount actually evacuated: 3 L
Sampling Time: 0817	Sampling Date: 10-7-16
Sample I.D.: MW-SF-13	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 #: 161003-DM1	Client: KMEP
Sampler: DM	Start Date: 10-7-16
Well I.D.: MW-SF-15	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 41.10	Depth to Water: Pre: 39.56 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 Grab

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
1330	26.8	7.29	1951	516	0.31	-121.0	-	-
	-	insufficient		water	to	purge,	Grab	
		Sample		taken -				

Did well dewater? Yes No	Amount actually evacuated: /
Sampling Time: 1330	Sampling Date: 10-7-16
Sample I.D.: MW-SF-15	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 #: 161003-DM1	Client: KMEP
Sampler: DM	Start Date: 10-6-16
Well I.D.: PZ-2	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 49.05	Depth to Water: Pre: 34.67 Post: 34.71
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: 1348 Flow Rate: 500 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
1351	25.5	7.15	1526	13	0.71	-170.6	1500	34.67
1354	25.6	7.13	1516	10	0.64	-180.8	3000	34.68
1357	25.6	7.10	1540	8	0.62	-181.4	4500	34.71
1400	25.6	7.11	1545	5	0.60	-183.5	6000	34.71
1403	25.7	7.13	1548	6	0.58	-185.1	7500	34.71

Did well dewater? Yes No	Amount actually evacuated: 7.5L
Sampling Time: 1405	Sampling Date: 10-6-16
Sample I.D.: PZ-2	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other:
Equipment Blank I.D.: @ Time	Duplicate I.D.: Dup-6

LOW FLOW WELL MONITORING DATA SHEET

Project #: 161003-DM1	Client: KMEP
Sampler: DM	Start Date: 10-6-14
Well I.D.: PZ-5	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 37.90	Depth to Water: Pre: 31.00 Post: 31.13
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: 1017 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
1020	22.0	7.08	1951	18	0.70	-43.2	600	31.03
1023	22.0	7.05	2005	10	0.64	-48.1	1200	31.07
1026	22.0	7.05	2017	15	0.63	-52.8	1800	31.09
1029	22.1	7.07	2019	11	0.60	-56.1	2400	31.10
1032	22.2	7.09	2021	10	0.59	-56.9	3000	31.11
1035	22.2	7.09	2022	8	0.59	-57.4	3600	31.13

Did well dewater? Yes No	Amount actually evacuated: 3.6L
Sampling Time: 1037	Sampling Date: 10-6-14
Sample I.D.: PZ-5	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other:
Equipment Blank I.D.: @ Time	Duplicate I.D.: Dup-5

LOW FLOW WELL MONITORING DATA SHEET

Project #: 161003-DM	Client: KMEP
Sampler: DM	Start Date: 10-7-16
Well I.D.: PZ-10	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 34.81	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	is	Dry	no	Sample —		

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 #: 161003-DM1	Client: KMEP
Sampler: DM	Start Date: 10-5-16
Well I.D.: PW-3	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 50.20	Depth to Water: Pre: 33.23 Post: 33.37
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: 1215 Flow Rate: 500 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
1218	23.1	7.21	1994	181	0.94	-79.4	1500	33.28
1221	23.0	7.20	2038	84	0.90	-81.7	3000	33.30
1224	23.0	7.20	2047	75	0.87	-84.3	4500	33.33
1227	22.9	7.17	2051	71	0.84	-85.1	6000	33.35
1230	22.9	7.17	2050	70	0.83	-87.2	7500	33.37

Did well dewater? Yes No	Amount actually evacuated: 7.5 L
Sampling Time: 1233	Sampling Date: 10-5-16
Sample I.D.: PW-3	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 #: 16103-DM1	Client: KMEP
Sampler: DM	Start Date: 10-4-16
Well I.D.: WCW-2	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 52.33	Depth to Water: Pre: 33.60 Post: 33.67
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: 1020 Flow Rate: 300 ml/min Pump Depth: 50'

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
1023	22.5	6.89	2251	14	0.77	-39.7	900	33.63
1026	22.6	6.91	2311	11	0.71	-41.4	1800	33.64
1029	22.7	6.94	2309	12	0.68	-44.3	2700	33.65
1032	22.7	6.94	2304	11	0.64	-45.1	3600	33.67
1035	22.7	6.95	2301	10	0.67	-46.3	4500	33.67

Did well dewater? Yes No	Amount actually evacuated: 4.5L
Sampling Time: 1037	Sampling Date: 10-4-16
Sample I.D.: WCW-2	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 #: 161003-DM1	Client: KMEP
Sampler: DM	Start Date: 10-4-16
Well I.D.: WCW-3	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 50.50	Depth to Water: Pre: 34.35 Post: 34.41
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: 1104 Flow Rate: 300 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
1107	23.0	7.09	2022	10	0.69	-35.1	900	34.38
1110	21.9	7.13	2029	8	0.65	-41.3	1800	34.38
1113	22.1	7.15	2031	8	0.63	-51.4	2700	34.40
1116	22.1	7.15	2034	5	0.64	-53.1	3600	34.41
1119	22.3	7.14	2035	4	0.67	-55.0	4500	34.41
1122	22.3	7.14	2034	5	0.67	-56.7	5400	34.41

Did well dewater? Yes No	Amount actually evacuated: 5.4L
Sampling Time: 1125	Sampling Date: 10-4-16
Sample I.D.: WCW-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 #: 161003-PM1	Client: KMEP
Sampler: DM	Start Date: 10-4-14
Well I.D.: WCW-4	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 42.60	Depth to Water: Pre: 36.10 Post: 36.13
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: 1150 Flow Rate: 100 ml/min Pump Depth: 40'

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
1153	22.1	7.13	2001	48	0.60	-65.1	900	36.10
1156	22.4	7.15	1993	27	0.63	-66.8	1800	36.12
1159	22.4	7.16	1990	25	0.63	-67.9	2700	36.12
1202	22.5	7.16	1986	25	0.64	-71.0	3600	36.13
1205	22.6	7.17	1985	22	0.64	-70.3	4500	36.13

Did well dewater? Yes No	Amount actually evacuated: 4.5L
Sampling Time: 1207	Sampling Date: 10-4-14
Sample I.D.: WCW-4	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other:
Equipment Blank I.D.: @ Time	Duplicate I.D.:

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LOW FLOW WELL MONITORING DATA SHEET

Project #: 161003-DM1	Client: KMEP
Sampler: DM	Start Date: 10-5-16
Well I.D.: WCW-5	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 50.60	Depth to Water: Pre: 32.20 Post: 32.25
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: 0900 Flow Rate: 300 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
0903	21.4	7.22	2291	89	0.81	-39.1	900	32.21
0906	21.4	7.20	2580	36	0.80	-43.7	1800	32.21
0909	21.5	7.20	2593	31	0.77	-50.1	2700	32.22
0912	21.5	7.21	2594	30	0.75	-50.7	3600	32.23
0915	21.6	7.20	2595	33	0.74	-51.3	4500	32.25

Did well dewater? Yes No	Amount actually evacuated: 4.5L
Sampling Time: 0916	Sampling Date: 10-5-16
Sample I.D.: WCW-5	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 #: 16003-0M1	Client: KMEP
Sampler: DM	Start Date: 10-5-16
Well I.D.: WCW-6	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 50.91	Depth to Water: Pre: 34.00 Post: 34.11
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: 0820 Flow Rate: 300 ml/min Pump Depth: 48'

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	20.9	7.19	2097	39	0.87	-11.7	900	34.07
0826	21.3	7.20	2099	17	1.22	-5.4	1800	34.08
0829	21.3	7.22	2103	11	1.37	-7.3	2700	34.09
0832	21.4	7.20	2109	12	1.40	-7.0	3600	34.09
0835	21.4	7.19	2113	15	1.41	-6.1	4500	34.10
0838	21.5	7.17	2116	13	1.40	-5.3	5400	34.11

Did well dewater? Yes No	Amount actually evacuated: 5.4L
Sampling Time: 0840	Sampling Date: 10-5-16
Sample I.D.: WCW-6	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 #: 16003-OM1	Client: KMEP
Sampler: DM	Start Date: 10-5-16
Well I.D.: WCW-7	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 51.53	Depth to Water: Pre: 34.22 Post: 34.28
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: 0745 Flow Rate: 300 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
0748	21.4	7.13	2115	16	0.91	-37.1	900	34.23
0751	21.4	7.10	2130	4	0.87	-39.3	1800	34.25
0754	21.3	7.11	2133	5	0.84	-41.4	2700	34.27
0757	21.3	7.10	2135	4	0.81	-43.2	3600	34.27
0800	21.3	7.04	2137	3	0.80	-44.7	4500	34.28

Did well dewater? Yes No	Amount actually evacuated: 4.5 L
Sampling Time: 0801	Sampling Date: 10-5-16
Sample I.D.: WCW-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 #: 161003-DM1	Client: KMEP
Sampler: DM	Start Date: 10-4-16
Well I.D.: WCW-8	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 51.50	Depth to Water: Pre: 35.70 Post: 35.83
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: 1234 Flow Rate: 500 ml/min Pump Depth: 48'

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
1237	25.0	7.07	2775	13	0.47	-112.3	1500	35.83
1240	25.5	7.10	2781	8	0.45	-110.5	3000	35.83
1243	25.5	7.13	2784	7	0.41	-110.5	4500	35.83
1245	25.6	7.15	2787	8	0.40	-109.9	6000	35.83
1249	25.6	7.15	2791	5	0.38	-109.0	7500	35.83

Did well dewater? Yes No	Amount actually evacuated: 7.5 L
Sampling Time: 1250	Sampling Date: 10-4-16
Sample I.D.: WCW-8	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 #: 161003-DM1	Client: KMEP
Sampler: DM	Start Date: 10-4-16
Well I.D.: WCW-12	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 49.62	Depth to Water: Pre: 34.60 Post: 34.75
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: 1435 Flow Rate: 500 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
1438	25.4	6.89	1139	16	0.73	-44.3	1500	34.63
1441	25.5	6.94	1261	5	0.70	-48.1	3000	34.67
1444	25.5	6.95	1270	5	0.68	-51.6	4500	34.69
1447	25.6	6.98	1275	2	0.65	-52.4	6000	34.72
1450	25.6	6.96	1278	3	0.65	-54.1	7500	34.75

Did well dewater? Yes No	Amount actually evacuated: 7.5 L
Sampling Time: 1453	Sampling Date: 10-4-16
Sample I.D.: WCW-12	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other:
Equipment Blank I.D.: @ Time	Duplicate I.D.:

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LOW FLOW WELL MONITORING DATA SHEET

Project #: 161004-DM1	Client: KMEP
Sampler: DM	Start Date: 10-4-16
Well I.D.: WCW-13	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 60.35	Depth to Water: Pre: 36.03 Post: 36.21
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: 1350 Flow Rate: 500 ml/min Pump Depth: 55'

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
1353	23.7	7.09	1519	10	0.84	-31.4	1500	36.07
1356	25.1	7.09	1539	8	0.81	-30.7	3000	36.11
1359	25.6	7.11	1543	4	0.80	-27.1	4500	36.17
1402	25.9	7.13	1545	10	0.80	-30.9	6000	36.18
1405	25.9	7.15	1547	4	0.79	-33.2	7500	36.21

Did well dewater? Yes No	Amount actually evacuated: 7.5L
Sampling Time: 1407	Sampling Date: 10-4-16
Sample I.D.: WCW-13	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 #: 16003-DM1	Client: KMEP
Sampler: DM	Start Date: 10-4-16
Well I.D.: WCW-14	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 58.80	Depth to Water: Pre: 36.70 Post: 36.84
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: 1320 Flow Rate: 500ml/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
1323	23.9	7.20	3050	16	0.51	-99.1	1500	36.73
1326	24.2	7.18	3059	15	0.50	-99.9	3000	36.75
1329	24.4	7.15	3064	13	0.44	-103.2	4500	36.77
1332	24.5	7.15	3069	12	0.41	-105.2	6000	36.80
1335	24.5	7.16	3071	10	0.40	-106.7	7500	36.84

Did well dewater? Yes No	Amount actually evacuated: 7.5L
Sampling Time: 1337	Sampling Date: 10-4-16
Sample I.D.: WCW-14	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other:
Equipment Blank I.D.: @ Time	Duplicate I.D.:

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-8		Y	Y	N	Y	Y	Y	Y	
MW-9		Y	Y	N	Y	Y	Y	Y	
MW-SF-1		Y	Y	Y	Y	Y	Y	Y	
MW-SF-10		Y	Y	Y	Y	Y	Y	Y	
MW-SF-2		Y	Y	Y	Y	Y	Y	Y	
MW-SF3		Y	Y	Y	Y	Y	Y	Y	
MW-SF-4		Y	Y	Y	Y	Y	Y	Y	Vapor Ex System
MW-SF-5		Y	Y	Y	Y	Y	Y	Y	
MW-SF-6		Y	Y	Y	Y	Y	Y	Y	
MW-SF-7		Y	Y	Y	Y	Y	Y	Y	
MW-SF-8		Y	Y	Y	Y	Y	Y	Y	
MW-SF-9		N	Y	Y	Y	Y	Y	Y	– Construction –
MW-SF-10		Y	Y	Y	Y	Y	Y	Y	
MW-SF-11		Y	Y	Y	Y	Y	Y	Y	
MW-SF-14		Y	Y	Y	Y	Y	Y	Y	
MW-SF-15		Y	Y	Y	Y	Y	Y	Y	
MW-SF-16		Y	Y	Y	Y	Y	Y	Y	
GMW-10		Y	Y	Y	Y	Y	Y	Y	
GMW-13		Y	Y	Y	Y	Y	Y	Y	
GMW-22		Y	Y	Y	Y	Y	Y	Y	
GMW-23		Y	Y	Y	Y	Y	Y	Y	
GMW-28		Y	Y	Y	Y	Y	Y	Y	
GMW-28		Y	Y	Y	Y	Y	Y	Y	

Performed by: DM

Date Performed: 6/4/16

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
WCW-1		Y	Y	Y	N	Y	Y	Y	
WCW-6		Y	Y	Y	N	Y	Y	Y	
WCW-7		Y	Y	Y	N	Y	Y	Y	
WCW-8		Y	Y	Y	N	Y	Y	Y	
WCW-9		Y	Y	Y	N	Y	Y	Y	
WCW-10		Y	Y	Y	N	Y	Y	Y	
WCW-11		Y	Y	Y	Y	Y	Y	Y	
WCW-12		Y	Y	Y	Y	Y	Y	Y	
WCW-13		Y	Y	Y	Y	Y	Y	Y	
WCW-14		Y	Y	Y	Y	Y	Y	Y	
Exp-1		Y	Y	Y	Y	Y	Y	Y	
Exp-2		Y	Y	Y	Y	Y	Y	Y	
Exp-3		Y	Y	Y	Y	Y	Y	Y	
VEW-1		Y	Y	Y	Y	Y	Y	Y	
VEW-2		Y	Y	Y	~~N~~ Y	Y	Y	Y	
PW-1		Y	Y	Y	N	Y	Y	Y	
PW-2		Y	Y	Y	N	Y	Y	Y	no bolts
PW-3		Y	Y	Y	N	Y	Y	Y	no Bolts
PZ-10		Y	Y	Y	Y	Y	Y	Y	
PZ-2		Y	Y	Y	Y	Y	Y	Y.	
PZ-5		Y	Y	Y	Y	Y	Y	Y	
MW-6		Y	Y	Y	Y	Y	Y	Y	
MW-7		Y	Y	Y	Y	Y	Y	Y	

Performed by: [signature]

Date Performed: 10-4-16

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-8		N	N	N	~~Y~~ N	Y	Y	Y	had to be uncovered
Gmw-9		Y	Y	Y	Y	Y	Y	Y	
Gmw-37		Y	Y	Y	Y	Y	Y	Y	
Gmw-38		Y	Y	Y	Y	Y	Y	Y	
Gmw-39		Y	Y	Y	Y	Y	Y	Y	
Gmw-0-1		Y	Y	N	Y	Y	Y	Y	
Gmw-0-10		Y	Y	N	Y	Y	Y	Y	
Gmw-0-11		Y	Y	N	Y	Y	Y	Y	
Gmw-0-12		Y	Y	N	Y	Y	Y	Y	
Gmw-0-14		Y	Y	N	Y	Y	Y	Y	
Gmw-0-15		Y	Y	N	Y	Y	Y	Y	
Gmw-0-16		Y	Y	N	Y	Y	Y	Y	
Gmw-0-17		Y	Y	N	Y	Y	Y	Y	
Gmw-0-18		Y	Y	N	Y	Y	Y	Y	-pump stuck
Gmw-0-19		Y	Y	N	Y	Y	Y	Y	
Gmw-0-20		Y	Y	N	Y	Y	Y	Y	
Gmw-0-23		Y	Y	N	Y	Y	Y	Y	
Gmw-0-3		Y	Y	N	Y	Y	Y	Y	
Gmw-0-4		Y	Y	N	Y	Y	Y	Y	
Gmw-0-5		Y	Y	N	Y	Y	Y	Y	
Gmw-0-7		Y	Y	N	N	Y	Y	Y	-Tabs Broken
Gmw-0-8		Y	Y	N	Y	Y	Y	Y	
Gmw-0-9		Y	Y	N	Y	Y	Y	Y	

Performed by: DM

Date Performed: 10-4-16

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-5		Y	Y	Y	Y	Y	Y	Y	
Exp-4		Y	Y	Y	Y	Y	Y	Y	
WCW-2		Y	Y	N	Y	Y	Y	Y	
WCW-3		Y	Y	N	Y	Y	Y	Y	
WCW-4		Y	Y	N	Y	Y	Y	Y	
WCW-5		Y	Y	N	Y	Y	Y	Y	
GMW-26		Y	Y	N	N	Y	Y	Y	
HL-3		Y	Y	Y	Y	Y	Y	Y	
GMW-1		Y	Y	N	Y	Y	Y	Y	No Bolts
GMW-34		Y	Y	Y	Y	Y	Y	Y	
PZ-5		Y	Y	Y	Y	Y	Y	Y	
MW-18(MID)		Y	Y	Y	Y	Y	Y	Y	
MW-20(MID)		Y	Y	Y	Y	Y	Y	Y	
MW-21(MID)		Y	Y	Y	Y	Y	Y	Y	
PZ-2		Y	N	Y	Y	Y	N	Y	- No Bolts
PZ-5		Y	Y	Y	Y	Y	Y	Y	
MW-0-1		Y	Y	N	Y	Y	Y	Y	
MW-0-2		Y	Y	N	Y	Y	Y	Y	- labeled as "Traffic signal" on vault
GMW-021		Y	Y	Y	Y	Y	Y	Y	

Performed by: David Musso

Date Performed: 10/4

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-SF-7		Y	Y	Y	Y	Y	Y	Y	
GMW-SF-8		Y	Y	Y	Y	Y	Y	Y	
GW R-3		Y	Y	Y	Y	Y	Y	Y	
HL-2		Y	Y	Y	Y	Y	Y	Y	
MW-12		Y	Y	Y	Y	Y	Y	Y	

Performed by: [signature]

Date Performed: 10/4/14

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME KMEP @ Norwalk | PROJECT NUMBER 161003-DM

EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
YSI 556	rental from pine	10/4	ph 4, 7, 10 cond 3900 µs	ph 4.02, 7.00, 10.00 3904 µs	✓	23.7	DM
			DO 100 % ORP 235 mV	98.9 % 234.7 mV	✓	23.9	DM
		10/5	ph 4, 7, 10 cond 3900 µs	4.03, 6.98, 10.00 3901 µs	✓	22.9	DM
			DO 100 % ORP 235 mV	99.4 % 235.3 mV	✓	24.1	DM
		10/6	ph 4, 7, 10 cnd 3900 µs	4.00, 7.00, 10.00 3901 µs	✓	23.7	DM
			DO 100 % ORP 235 mV	100.3 % 236.1 mV	✓	23.8	DM
		10/7	ph 4, 7, 10 cnd 3900 µs	4.00, 7.00, 10.00 3904 µs	✓	24.1	DM
			DO 100 % ORP 235	99.4 % 234.7 mV	✓	24.1	DM

APPENDIX B

SEMIANNUAL EVENT LABORATORY REPORTS (CD ROM ONLY)

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

October 12, 2016

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

Re : DFSP Norwalk GW Sampling / 04-NDLA-013

A5331949 / 6J04035

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 10/04/16 15:51 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 Analytics.

Sincerely,

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: A5331949
Date Received: 10/04/16
Date Reported: 10/12/16

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8260B+OXY+TPHG					
QCTB-1	6J04035-01	Water	5	10/03/16 06:00	10/04/16 15:51
QCEB-1	6J04035-07	Water	5	10/03/16 12:30	10/04/16 15:51
8260B+OXYGENATES					
GMW-63	6J04035-02	Water	5	10/03/16 09:25	10/04/16 15:51
GMW-64	6J04035-03	Water	5	10/03/16 09:55	10/04/16 15:51
GMW-65	6J04035-04	Water	5	10/03/16 10:25	10/04/16 15:51
GMW-67	6J04035-05	Water	5	10/03/16 10:55	10/04/16 15:51
GMW-69	6J04035-06	Water	5	10/03/16 11:30	10/04/16 15:51
Diesel Range Organics 8015M					
GMW-63	6J04035-02	Water	5	10/03/16 09:25	10/04/16 15:51
GMW-64	6J04035-03	Water	5	10/03/16 09:55	10/04/16 15:51
GMW-65	6J04035-04	Water	5	10/03/16 10:25	10/04/16 15:51
GMW-67	6J04035-05	Water	5	10/03/16 10:55	10/04/16 15:51
GMW-69	6J04035-06	Water	5	10/03/16 11:30	10/04/16 15:51
Gasoline Range Organics 8015M					
GMW-63	6J04035-02	Water	5	10/03/16 09:25	10/04/16 15:51
GMW-64	6J04035-03	Water	5	10/03/16 09:55	10/04/16 15:51

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: A5331949
Date Received: 10/04/16
Date Reported: 10/12/16

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
GMW-65	6J04035-04	Water	5	10/03/16 10:25	10/04/16 15:51
GMW-67	6J04035-05	Water	5	10/03/16 10:55	10/04/16 15:51
GMW-69	6J04035-06	Water	5	10/03/16 11:30	10/04/16 15:51

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

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: A5331949
Date Received: 10/04/16
Date Reported: 10/12/16
Units: ug/L

Date Sampled:	10/03/16	10/03/16	
Date Prepared:	10/07/16	10/07/16	
Date Analyzed:	10/07/16	10/07/16	
AA ID No:	6J04035-01	6J04035-07	
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: A5331949
Date Received: 10/04/16
Date Reported: 10/12/16
Units: ug/L

Date Sampled:	10/03/16	10/03/16	
Date Prepared:	10/07/16	10/07/16	
Date Analyzed:	10/07/16	10/07/16	
AA ID No:	6J04035-01	6J04035-07	
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)	<1.0	<1.0	1.0
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: A5331949
Date Received: 10/04/16
Date Reported: 10/12/16
Units: ug/L

Date Sampled:	10/03/16	10/03/16	
Date Prepared:	10/07/16	10/07/16	
Date Analyzed:	10/07/16	10/07/16	
AA ID No:	6J04035-01	6J04035-07	
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	109%	111%	70-140
Dibromofluoromethane	123%	112%	70-140
Toluene-d8	98%	103%	70-140

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331949
Project No:	04-NDLA-013	**Date Received:**	10/04/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/12/16
Method:	VOCs & OXYGENATES by GC/MS	**Units:**	ug/L

Date Sampled:	10/03/16	10/03/16	10/03/16	10/03/16	
Date Prepared:	10/07/16	10/07/16	10/07/16	10/07/16	
Date Analyzed:	10/07/16	10/07/16	10/07/16	10/07/16	
AA ID No:	6J04035-02	6J04035-03	6J04035-04	6J04035-05	
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	**4.2**	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)	**AA Project No:**	A5331949
Project No:	04-NDLA-013	**Date Received:**	10/04/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/12/16
Method:	VOCs & OXYGENATES by GC/MS	**Units:**	ug/L

Date Sampled:	10/03/16	10/03/16	10/03/16	10/03/16	
Date Prepared:	10/07/16	10/07/16	10/07/16	10/07/16	
Date Analyzed:	10/07/16	10/07/16	10/07/16	10/07/16	
AA ID No:	6J04035-02	6J04035-03	6J04035-04	6J04035-05	
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	**0.96**	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	**1.1**	0.50
4-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<1.0	<1.0	<1.0	<1.0	1.0
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	**0.93**	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)	**AA Project No:**	A5331949
Project No:	04-NDLA-013	**Date Received:**	10/04/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/12/16
Method:	VOCs & OXYGENATES by GC/MS	**Units:**	ug/L

Date Sampled:	10/03/16	10/03/16	10/03/16	10/03/16	
Date Prepared:	10/07/16	10/07/16	10/07/16	10/07/16	
Date Analyzed:	10/07/16	10/07/16	10/07/16	10/07/16	
AA ID No:	6J04035-02	6J04035-03	6J04035-04	6J04035-05	
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	**1.4**	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	108%	110%	112%	110%	70-140
Dibromofluoromethane	116%	117%	119%	121%	70-140
Toluene-d8	98%	100%	100%	99%	70-140

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331949
Project No:	04-NDLA-013	**Date Received:**	10/04/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/12/16
Method:	VOCs & OXYGENATES by GC/MS	**Units:**	ug/L

Date Sampled:	10/03/16	
Date Prepared:	10/07/16	
Date Analyzed:	10/07/16	
AA ID No:	6J04035-06	
Client ID No:	GMW-69	
Matrix:	Water	
Dilution Factor:	5	MRL

8260B+OXYGENATES (EPA 8260B)

Acetone	<50	10
tert-Amyl Methyl Ether (TAME)	<10	2.0
Benzene	**240**	0.50
Bromobenzene	<2.5	0.50
Bromochloromethane	<2.5	0.50
Bromodichloromethane	<2.5	0.50
Bromoform	<2.5	0.50
Bromomethane	<2.5	0.50
2-Butanone (MEK)	<50	10
tert-Butyl alcohol (TBA)	<50	10
sec-Butylbenzene	**3.2**	0.50
tert-Butylbenzene	<2.5	0.50
n-Butylbenzene	<2.5	0.50
Carbon Disulfide	<2.5	0.50
Carbon Tetrachloride	<2.5	0.50
Chlorobenzene	<2.5	0.50
Chloroethane	<2.5	0.50
Chloroform	<2.5	0.50
Chloromethane	<2.5	0.50
2-Chlorotoluene	<2.5	0.50
4-Chlorotoluene	<2.5	0.50
1,2-Dibromo-3-chloropropane	<5.0	1.0
Dibromochloromethane	<2.5	0.50
1,2-Dibromoethane (EDB)	<2.5	0.50
Dibromomethane	<2.5	0.50
1,3-Dichlorobenzene	<2.5	0.50
1,2-Dichlorobenzene	<2.5	0.50

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331949
Project No:	04-NDLA-013	**Date Received:**	10/04/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/12/16
Method:	VOCs & OXYGENATES by GC/MS	**Units:**	ug/L

Date Sampled:	10/03/16	
Date Prepared:	10/07/16	
Date Analyzed:	10/07/16	
AA ID No:	6J04035-06	
Client ID No:	GMW-69	
Matrix:	Water	
Dilution Factor:	5	MRL

8260B+OXYGENATES (EPA 8260B) (continued)

1,4-Dichlorobenzene	<2.5	0.50
Dichlorodifluoromethane (R12)	<2.5	0.50
1,1-Dichloroethane	<2.5	0.50
1,2-Dichloroethane (EDC)	<2.5	0.50
1,1-Dichloroethylene	<2.5	0.50
trans-1,2-Dichloroethylene	<2.5	0.50
cis-1,2-Dichloroethylene	<2.5	0.50
1,2-Dichloropropane	<2.5	0.50
2,2-Dichloropropane	<2.5	0.50
1,3-Dichloropropane	<2.5	0.50
cis-1,3-Dichloropropylene	<2.5	0.50
trans-1,3-Dichloropropylene	<2.5	0.50
1,1-Dichloropropylene	<2.5	0.50
Diisopropyl ether (DIPE)	<10	2.0
Ethylbenzene	**290**	0.50
Ethyl-tert-Butyl Ether (ETBE)	<10	2.0
Hexachlorobutadiene	<5.0	1.0
2-Hexanone (MBK)	<50	10
Isopropylbenzene	**28**	0.50
4-Isopropyltoluene	<5.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<5.0	1.0
Methylene Chloride	<25	5.0
4-Methyl-2-pentanone (MIBK)	<50	10
Naphthalene	**45**	2.0
n-Propylbenzene	**30**	0.50
Styrene	<2.5	0.50
1,1,1,2-Tetrachloroethane	<2.5	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331949
Project No:	04-NDLA-013	**Date Received:**	10/04/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/12/16
Method:	VOCs & OXYGENATES by GC/MS	**Units:**	ug/L

Date Sampled:	10/03/16	
Date Prepared:	10/07/16	
Date Analyzed:	10/07/16	
AA ID No:	6J04035-06	
Client ID No:	GMW-69	
Matrix:	Water	
Dilution Factor:	5	MRL

8260B+OXYGENATES (EPA 8260B) (continued)

1,1,2,2-Tetrachloroethane	<2.5	0.50
Tetrachloroethylene (PCE)	<2.5	0.50
Toluene	<2.5	0.50
1,2,3-Trichlorobenzene	<2.5	0.50
1,2,4-Trichlorobenzene	<2.5	0.50
1,1,1-Trichloroethane	<2.5	0.50
1,1,2-Trichloroethane	<2.5	0.50
Trichloroethylene (TCE)	<2.5	0.50
Trichlorofluoromethane (R11)	<2.5	0.50
1,2,3-Trichloropropane	<2.5	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<2.5	0.50
1,3,5-Trimethylbenzene	**4.2**	0.50
1,2,4-Trimethylbenzene	**130**	0.50
Vinyl chloride	<2.5	0.50
o-Xylene	**160**	0.50
m,p-Xylenes	**28**	1.0

Surrogates		**%REC Limits**
4-Bromofluorobenzene	111%	70-140
Dibromofluoromethane	116%	70-140
Toluene-d8	100%	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331949
Project No:	04-NDLA-013	**Date Received:**	10/04/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/12/16
Method:	Diesel Range Organics by GC/FID	**Units:**	mg/L

Date Sampled:	10/03/16	10/03/16	10/03/16	10/03/16	
Date Prepared:	10/10/16	10/10/16	10/10/16	10/10/16	
Date Analyzed:	10/10/16	10/10/16	10/10/16	10/10/16	
AA ID No:	6J04035-02	6J04035-03	6J04035-04	6J04035-05	
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
Surrogates					**%REC Limits**
o-Terphenyl	101%	111%	108%	98%	50-150

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331949
Project No:	04-NDLA-013	**Date Received:**	10/04/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/12/16
Method:	Diesel Range Organics by GC/FID	**Units:**	mg/L

Date Sampled:	10/03/16	
Date Prepared:	10/10/16	
Date Analyzed:	10/10/16	
AA ID No:	6J04035-06	
Client ID No:	GMW-69	
Matrix:	Water	
Dilution Factor:	1	MRL
Diesel Range Organics 8015M (EPA 8015M)		
Diesel Range Organics as Diesel	**0.21**	0.10
Surrogates		**%REC Limits**
o-Terphenyl	75%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331949
Project No:	04-NDLA-013	**Date Received:**	10/04/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/12/16
Method:	Gasoline Range Organics by GC/FID	**Units:**	ug/L

Date Sampled:	10/03/16	10/03/16	10/03/16	10/03/16	
Date Prepared:	10/05/16	10/05/16	10/05/16	10/05/16	
Date Analyzed:	10/05/16	10/05/16	10/05/16	10/05/16	
AA ID No:	6J04035-02	6J04035-03	6J04035-04	6J04035-05	
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	<100	100
Surrogates					**%REC Limits**
a,a,a-Trifluorotoluene	88%	91%	93%	96%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331949
Project No:	04-NDLA-013	**Date Received:**	10/04/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/12/16
Method:	Gasoline Range Organics by GC/FID	**Units:**	ug/L

Date Sampled:	10/03/16	
Date Prepared:	10/05/16	
Date Analyzed:	10/05/16	
AA ID No:	6J04035-06	
Client ID No:	GMW-69	
Matrix:	Water	
Dilution Factor:	5	MRL
Gasoline Range Organics 8015M (EPA 8015M)		
Gasoline Range Organics (GRO)	**1600**	100
Surrogates		**%REC Limits**
a,a,a-Trifluorotoluene	98%	80-120

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331949
Date Received: 10/04/16
Date Reported: 10/12/16

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										
Batch B6J0709 - EPA 5030B										
Blank (B6J0709-BLK1)				Prepared & Analyzed: 10/07/16						
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							

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331949
Date Received: 10/04/16
Date Reported: 10/12/16

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										
Batch B6J0709 - EPA 5030B										
Blank (B6J0709-BLK1) Continued				Prepared & Analyzed: 10/07/16						
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)	<1.0	1.0	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							

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: A5331949
Date Received: 10/04/16
Date Reported: 10/12/16

VOCs, OXY & TPH Gasoline by GC/MS - Quality Control

Batch B6J0709 - EPA 5030B

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (B6J0709-BLK1) Continued				Prepared & Analyzed: 10/07/16						
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							
Surrogate: 4-Bromofluorobenzene	*55.0*		*ug/L*	*50*		*110*	*70-140*			
Surrogate: Dibromofluoromethane	*57.4*		*ug/L*	*50*		*115*	*70-140*			
Surrogate: Toluene-d8	*51.5*		*ug/L*	*50*		*103*	*70-140*			
LCS (B6J0709-BS1)				Prepared: 10/07/16 Analyzed: 10/08/16						
Acetone	**52.1**	10	ug/L	50		104	70-130			
tert-Amyl Methyl Ether (TAME)	**21.9**	2.0	ug/L	20		109	70-130			
Benzene	**23.5**	0.50	ug/L	20		117	75-125			
Bromobenzene	**19.6**	0.50	ug/L	20		97.8	70-130			
Bromochloromethane	**21.1**	0.50	ug/L	20		105	70-130			
Bromodichloromethane	**22.9**	0.50	ug/L	20		114	75-125			
Bromoform	**16.5**	0.50	ug/L	20		82.6	75-125			
Bromomethane	**20.0**	0.50	ug/L	20		99.8	75-125			
2-Butanone (MEK)	**49.6**	10	ug/L	50		99.2	70-130			
tert-Butyl alcohol (TBA)	**114**	10	ug/L	100		114	70-130			
sec-Butylbenzene	**22.3**	0.50	ug/L	20		112	70-130			
tert-Butylbenzene	**23.9**	0.50	ug/L	20		119	70-130			
n-Butylbenzene	**23.0**	0.50	ug/L	20		115	70-130			
Carbon Disulfide	**44.5**	0.50	ug/L	50		89.0	70-130			
Carbon Tetrachloride	**23.9**	0.50	ug/L	20		119	75-125			
Chlorobenzene	**20.2**	0.50	ug/L	20		101	75-125			
Chloroethane	**23.4**	0.50	ug/L	20		117	75-125			

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: A5331949
Date Received: 10/04/16
Date Reported: 10/12/16

VOCs, OXY & TPH Gasoline by GC/MS - Quality Control

Batch B6J0709 - EPA 5030B

LCS (B6J0709-BS1) Continued Prepared: 10/07/16 Analyzed: 10/08/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloroform	**23.3**	0.50	ug/L	20		116	75-125			
Chloromethane	**19.1**	0.50	ug/L	20		95.6	65-125			
2-Chlorotoluene	**22.7**	0.50	ug/L	20		113	70-130			
4-Chlorotoluene	**22.8**	0.50	ug/L	20		114	70-130			
1,2-Dibromo-3-chloropropane	**22.8**	1.0	ug/L	20		114	70-130			
Dibromochloromethane	**20.0**	0.50	ug/L	20		100	75-125			
1,2-Dibromoethane (EDB)	**18.5**	0.50	ug/L	20		92.4	70-130			
Dibromomethane	**22.3**	0.50	ug/L	20		112	70-130			
1,3-Dichlorobenzene	**21.2**	0.50	ug/L	20		106	70-130			
1,2-Dichlorobenzene	**21.7**	0.50	ug/L	20		108	70-130			
1,4-Dichlorobenzene	**20.5**	0.50	ug/L	20		102	75-125			
Dichlorodifluoromethane (R12)	**17.4**	0.50	ug/L	20		87.0	70-130			
1,1-Dichloroethane	**21.5**	0.50	ug/L	20		108	70-125			
1,2-Dichloroethane (EDC)	**25.1**	0.50	ug/L	20		126	75-125			**
1,1-Dichloroethylene	**16.7**	0.50	ug/L	20		83.6	70-130			
trans-1,2-Dichloroethylene	**17.4**	0.50	ug/L	20		87.2	75-125			
cis-1,2-Dichloroethylene	**19.5**	0.50	ug/L	20		97.4	75-125			
1,2-Dichloropropane	**24.5**	0.50	ug/L	20		122	75-130			
2,2-Dichloropropane	**22.8**	0.50	ug/L	20		114	70-130			
1,3-Dichloropropane	**20.4**	0.50	ug/L	20		102	70-130			
cis-1,3-Dichloropropylene	**21.5**	0.50	ug/L	20		107	75-125			
trans-1,3-Dichloropropylene	**19.7**	0.50	ug/L	20		98.6	70-130			
1,1-Dichloropropylene	**21.8**	0.50	ug/L	20		109	70-130			
Diisopropyl ether (DIPE)	**21.8**	2.0	ug/L	20		109	70-130			
Ethylbenzene	**21.3**	0.50	ug/L	20		107	75-125			
Ethyl-tert-Butyl Ether (ETBE)	**21.4**	2.0	ug/L	20		107	70-130			
Gasoline Range Organics (GRO)	**500**	100	ug/L	500		100	70-130			
Hexachlorobutadiene	**21.0**	1.0	ug/L	20		105	70-130			
2-Hexanone (MBK)	**47.5**	10	ug/L	50		95.0	70-130			
Isopropylbenzene	**22.6**	0.50	ug/L	20		113	70-130			
4-Isopropyltoluene	**23.6**	1.0	ug/L	20		118	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: A5331949
Date Received: 10/04/16
Date Reported: 10/12/16

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										
Batch B6J0709 - EPA 5030B										
LCS (B6J0709-BS1) Continued				Prepared: 10/07/16 Analyzed: 10/08/16						
Methyl-tert-Butyl Ether (MTBE)	**43.7**	1.0	ug/L	40		109	75-125			
Methylene Chloride	**25.2**	5.0	ug/L	20		126	75-130			
4-Methyl-2-pentanone (MIBK)	**47.8**	10	ug/L	50		95.7	70-130			
Naphthalene	**21.9**	2.0	ug/L	20		110	70-130			
n-Propylbenzene	**22.6**	0.50	ug/L	20		113	70-130			
Styrene	**19.4**	0.50	ug/L	20		96.8	70-130			
1,1,1,2-Tetrachloroethane	**20.3**	0.50	ug/L	20		101	70-130			
1,1,2,2-Tetrachloroethane	**20.2**	0.50	ug/L	20		101	70-135			
Tetrachloroethylene (PCE)	**18.2**	0.50	ug/L	20		91.2	75-125			
Toluene	**21.2**	0.50	ug/L	20		106	75-125			
1,2,3-Trichlorobenzene	**20.0**	0.50	ug/L	20		99.8	70-130			
1,2,4-Trichlorobenzene	**19.5**	0.50	ug/L	20		97.3	70-130			
1,1,1-Trichloroethane	**24.6**	0.50	ug/L	20		123	75-125			
1,1,2-Trichloroethane	**19.9**	0.50	ug/L	20		99.6	75-125			
Trichloroethylene (TCE)	**23.1**	0.50	ug/L	20		116	75-125			
Trichlorofluoromethane (R11)	**23.7**	0.50	ug/L	20		118	70-130			
1,2,3-Trichloropropane	**21.1**	0.50	ug/L	20		105	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**17.9**	0.50	ug/L	20		89.6	70-130			
1,3,5-Trimethylbenzene	**22.9**	0.50	ug/L	20		114	70-130			
1,2,4-Trimethylbenzene	**22.9**	0.50	ug/L	20		115	70-130			
Vinyl chloride	**21.9**	0.50	ug/L	20		109	75-125			
o-Xylene	**20.6**	0.50	ug/L	20		103	75-125			
m,p-Xylenes	**41.0**	1.0	ug/L	40		102	70-130			
Surrogate: 4-Bromofluorobenzene	*56.1*		*ug/L*	*50*		*112*	*70-140*			
Surrogate: Dibromofluoromethane	*54.5*		*ug/L*	*50*		*109*	*70-140*			
Surrogate: Toluene-d8	*50.2*		*ug/L*	*50*		*100*	*70-140*			
LCS Dup (B6J0709-BSD1)				Prepared: 10/07/16 Analyzed: 10/08/16						
Acetone	**53.5**	10	ug/L	50		107	70-130	2.69	30	
tert-Amyl Methyl Ether (TAME)	**19.8**	2.0	ug/L	20		98.8	70-130	10.0	30	
Benzene	**23.8**	0.50	ug/L	20		119	75-125	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: A5331949
Date Received: 10/04/16
Date Reported: 10/12/16

VOCs, OXY & TPH Gasoline by GC/MS - Quality Control

Batch B6J0709 - EPA 5030B

LCS Dup (B6J0709-BSD1) Continued Prepared: 10/07/16 Analyzed: 10/08/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Bromobenzene	**19.4**	0.50	ug/L	20		96.9	70-130	0.873	30	
Bromochloromethane	**20.2**	0.50	ug/L	20		101	70-130	4.17	30	
Bromodichloromethane	**21.5**	0.50	ug/L	20		107	75-125	6.45	30	
Bromoform	**15.8**	0.50	ug/L	20		79.2	75-125	4.26	30	
Bromomethane	**19.3**	0.50	ug/L	20		96.7	75-125	3.11	30	
2-Butanone (MEK)	**46.4**	10	ug/L	50		92.9	70-130	6.56	30	
tert-Butyl alcohol (TBA)	**118**	10	ug/L	100		118	70-130	3.55	30	
sec-Butylbenzene	**22.4**	0.50	ug/L	20		112	70-130	0.268	30	
tert-Butylbenzene	**23.7**	0.50	ug/L	20		118	70-130	0.926	30	
n-Butylbenzene	**23.1**	0.50	ug/L	20		115	70-130	0.347	30	
Carbon Disulfide	**42.8**	0.50	ug/L	50		85.5	70-130	4.03	30	
Carbon Tetrachloride	**22.8**	0.50	ug/L	20		114	75-125	4.68	30	
Chlorobenzene	**20.1**	0.50	ug/L	20		100	75-125	0.546	30	
Chloroethane	**23.2**	0.50	ug/L	20		116	75-125	1.03	30	
Chloroform	**21.5**	0.50	ug/L	20		107	75-125	8.18	30	
Chloromethane	**18.7**	0.50	ug/L	20		93.4	65-125	2.33	30	
2-Chlorotoluene	**22.8**	0.50	ug/L	20		114	70-130	0.440	30	
4-Chlorotoluene	**22.6**	0.50	ug/L	20		113	70-130	1.28	30	
1,2-Dibromo-3-chloropropane	**21.5**	1.0	ug/L	20		108	70-130	5.95	30	
Dibromochloromethane	**19.9**	0.50	ug/L	20		99.6	75-125	0.451	30	
1,2-Dibromoethane (EDB)	**19.6**	0.50	ug/L	20		98.2	70-130	6.08	30	
Dibromomethane	**20.2**	0.50	ug/L	20		101	70-130	10.1	30	
1,3-Dichlorobenzene	**20.8**	0.50	ug/L	20		104	70-130	1.90	30	
1,2-Dichlorobenzene	**21.7**	0.50	ug/L	20		108	70-130	0.0923	30	
1,4-Dichlorobenzene	**20.5**	0.50	ug/L	20		103	75-125	0.0976	30	
Dichlorodifluoromethane (R12)	**17.2**	0.50	ug/L	20		86.1	70-130	0.982	30	
1,1-Dichloroethane	**19.9**	0.50	ug/L	20		99.6	70-125	7.63	30	
1,2-Dichloroethane (EDC)	**23.1**	0.50	ug/L	20		116	75-125	8.37	30	
1,1-Dichloroethylene	**16.2**	0.50	ug/L	20		81.1	70-130	2.98	30	
trans-1,2-Dichloroethylene	**16.6**	0.50	ug/L	20		82.8	75-125	5.18	30	
cis-1,2-Dichloroethylene	**18.9**	0.50	ug/L	20		94.4	75-125	3.02	30	

Viorel Vasile
Operations Manager

AMERICAN ® ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331949
Date Received: 10/04/16
Date Reported: 10/12/16

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										
Batch B6J0709 - EPA 5030B										
LCS Dup (B6J0709-BSD1) Continued				Prepared: 10/07/16	Analyzed: 10/08/16					
1,2-Dichloropropane	**22.7**	0.50	ug/L	20		113	75-130	7.72	30	
2,2-Dichloropropane	**20.8**	0.50	ug/L	20		104	70-130	9.32	30	
1,3-Dichloropropane	**19.4**	0.50	ug/L	20		97.0	70-130	5.27	30	
cis-1,3-Dichloropropylene	**19.3**	0.50	ug/L	20		96.6	75-125	10.7	30	
trans-1,3-Dichloropropylene	**19.5**	0.50	ug/L	20		97.6	70-130	1.12	30	
1,1-Dichloropropylene	**20.6**	0.50	ug/L	20		103	70-130	5.42	30	
Diisopropyl ether (DIPE)	**20.7**	2.0	ug/L	20		103	70-130	5.27	30	
Ethylbenzene	**21.1**	0.50	ug/L	20		106	75-125	1.04	30	
Ethyl-tert-Butyl Ether (ETBE)	**19.9**	2.0	ug/L	20		99.7	70-130	7.25	30	
Gasoline Range Organics (GRO)	**446**	100	ug/L	500		89.2	70-130	11.4	30	
Hexachlorobutadiene	**22.1**	1.0	ug/L	20		110	70-130	4.96	30	
2-Hexanone (MBK)	**47.5**	10	ug/L	50		95.0	70-130	0.0210	30	
Isopropylbenzene	**22.7**	0.50	ug/L	20		113	70-130	0.309	30	
4-Isopropyltoluene	**23.9**	1.0	ug/L	20		119	70-130	1.22	30	
Methyl-tert-Butyl Ether (MTBE)	**40.5**	1.0	ug/L	40		101	75-125	7.63	30	
Methylene Chloride	**23.6**	5.0	ug/L	20		118	75-130	6.84	30	
4-Methyl-2-pentanone (MIBK)	**41.3**	10	ug/L	50		82.5	70-130	14.8	30	
Naphthalene	**23.8**	2.0	ug/L	20		119	70-130	8.35	30	
n-Propylbenzene	**22.6**	0.50	ug/L	20		113	70-130	0.354	30	
Styrene	**19.0**	0.50	ug/L	20		95.2	70-130	1.56	30	
1,1,1,2-Tetrachloroethane	**19.5**	0.50	ug/L	20		97.6	70-130	3.72	30	
1,1,2,2-Tetrachloroethane	**20.0**	0.50	ug/L	20		100	70-135	1.04	30	
Tetrachloroethylene (PCE)	**18.1**	0.50	ug/L	20		90.3	75-125	1.05	30	
Toluene	**20.7**	0.50	ug/L	20		103	75-125	2.34	30	
1,2,3-Trichlorobenzene	**20.2**	0.50	ug/L	20		101	70-130	1.25	30	
1,2,4-Trichlorobenzene	**19.5**	0.50	ug/L	20		97.4	70-130	0.154	30	
1,1,1-Trichloroethane	**23.3**	0.50	ug/L	20		117	75-125	5.38	30	
1,1,2-Trichloroethane	**19.2**	0.50	ug/L	20		96.0	75-125	3.68	30	
Trichloroethylene (TCE)	**21.3**	0.50	ug/L	20		106	75-125	8.29	30	
Trichlorofluoromethane (R11)	**22.6**	0.50	ug/L	20		113	70-130	4.58	30	
1,2,3-Trichloropropane	**20.8**	0.50	ug/L	20		104	70-130	1.39	30	

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331949
Date Received: 10/04/16
Date Reported: 10/12/16

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										
Batch B6J0709 - EPA 5030B										
LCS Dup (B6J0709-BSD1) Continued				Prepared: 10/07/16 Analyzed: 10/08/16						
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**17.2**	0.50	ug/L	20		86.1	70-130	3.98	30	
1,3,5-Trimethylbenzene	**22.9**	0.50	ug/L	20		115	70-130	0.131	30	
1,2,4-Trimethylbenzene	**23.2**	0.50	ug/L	20		116	70-130	0.998	30	
Vinyl chloride	**22.1**	0.50	ug/L	20		110	75-125	0.865	30	
o-Xylene	**19.8**	0.50	ug/L	20		99.2	75-125	4.05	30	
m,p-Xylenes	**39.8**	1.0	ug/L	40		99.4	70-130	2.92	30	
Surrogate: 4-Bromofluorobenzene	*54.8*		*ug/L*	*50*		*110*	*70-140*			
Surrogate: Dibromofluoromethane	*51.2*		*ug/L*	*50*		*102*	*70-140*			
Surrogate: Toluene-d8	*50.8*		*ug/L*	*50*		*102*	*70-140*			
Matrix Spike (B6J0709-MS1)		**Source: 6J04035-02**		Prepared & Analyzed: 10/07/16						
Acetone	**50.7**	10	ug/L	50		101	70-130			
tert-Amyl Methyl Ether (TAME)	**23.4**	2.0	ug/L	20		117	70-130			
Benzene	**23.4**	0.50	ug/L	20		117	70-130			
Bromobenzene	**19.0**	0.50	ug/L	20		95.0	70-130			
Bromochloromethane	**20.9**	0.50	ug/L	20		104	70-130			
Bromodichloromethane	**21.7**	0.50	ug/L	20		109	70-130			
Bromoform	**18.8**	0.50	ug/L	20		94.2	70-130			
Bromomethane	**17.0**	0.50	ug/L	20		85.0	70-130			
2-Butanone (MEK)	**54.9**	10	ug/L	50		110	70-130			
tert-Butyl alcohol (TBA)	**151**	10	ug/L	100		151	70-130			QM-07
sec-Butylbenzene	**18.4**	0.50	ug/L	20		92.2	70-130			
tert-Butylbenzene	**19.7**	0.50	ug/L	20		98.3	70-130			
n-Butylbenzene	**19.3**	0.50	ug/L	20		96.4	70-130			
Carbon Disulfide	**40.6**	0.50	ug/L	50		81.3	70-130			
Carbon Tetrachloride	**19.9**	0.50	ug/L	20		99.7	70-130			
Chlorobenzene	**19.3**	0.50	ug/L	20		96.5	70-130			
Chloroethane	**23.3**	0.50	ug/L	20		117	70-130			
Chloroform	**21.1**	0.50	ug/L	20		106	70-130			
Chloromethane	**19.3**	0.50	ug/L	20		96.7	70-130			
2-Chlorotoluene	**19.8**	0.50	ug/L	20		99.0	70-130			

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331949
Date Received: 10/04/16
Date Reported: 10/12/16

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										
Batch B6J0709 - EPA 5030B										
Matrix Spike (B6J0709-MS1) Continued Source: 6J04035-02 Prepared & Analyzed: 10/07/16										
4-Chlorotoluene	**19.9**	0.50	ug/L	20		99.6	70-130			
1,2-Dibromo-3-chloropropane	**27.6**	1.0	ug/L	20		138	70-130			QM-07
Dibromochloromethane	**21.3**	0.50	ug/L	20		107	70-130			
1,2-Dibromoethane (EDB)	**21.1**	0.50	ug/L	20		105	70-130			
Dibromomethane	**22.0**	0.50	ug/L	20		110	70-130			
1,3-Dichlorobenzene	**19.5**	0.50	ug/L	20		97.3	70-130			
1,2-Dichlorobenzene	**20.9**	0.50	ug/L	20		104	70-130			
1,4-Dichlorobenzene	**18.6**	0.50	ug/L	20		92.8	70-130			
Dichlorodifluoromethane (R12)	**16.8**	0.50	ug/L	20		84.1	70-130			
1,1-Dichloroethane	**19.3**	0.50	ug/L	20		96.6	70-130			
1,2-Dichloroethane (EDC)	**25.1**	0.50	ug/L	20		125	70-130			
1,1-Dichloroethylene	**16.1**	0.50	ug/L	20		80.6	70-130			
trans-1,2-Dichloroethylene	**17.0**	0.50	ug/L	20		85.1	70-130			
cis-1,2-Dichloroethylene	**17.6**	0.50	ug/L	20		88.0	70-130			
1,2-Dichloropropane	**22.9**	0.50	ug/L	20		114	70-130			
2,2-Dichloropropane	**21.7**	0.50	ug/L	20		109	70-130			
1,3-Dichloropropane	**22.0**	0.50	ug/L	20		110	70-130			
cis-1,3-Dichloropropylene	**21.6**	0.50	ug/L	20		108	70-130			
trans-1,3-Dichloropropylene	**22.2**	0.50	ug/L	20		111	70-130			
1,1-Dichloropropylene	**18.5**	0.50	ug/L	20		92.4	70-130			
Diisopropyl ether (DIPE)	**22.6**	2.0	ug/L	20		113	70-130			
Ethylbenzene	**19.6**	0.50	ug/L	20		98.1	70-130			
Ethyl-tert-Butyl Ether (ETBE)	**21.9**	2.0	ug/L	20		110	70-130			
Hexachlorobutadiene	**17.9**	1.0	ug/L	20		89.6	70-130			
2-Hexanone (MBK)	**59.1**	10	ug/L	50		118	70-130			
Isopropylbenzene	**19.2**	0.50	ug/L	20		96.1	70-130			
4-Isopropyltoluene	**20.0**	1.0	ug/L	20		100	70-130			
Methyl-tert-Butyl Ether (MTBE)	**47.1**	1.0	ug/L	40		118	70-130			
Methylene Chloride	**22.1**	5.0	ug/L	20		111	70-130			
4-Methyl-2-pentanone (MIBK)	**58.7**	10	ug/L	50		117	70-130			
Naphthalene	**23.7**	2.0	ug/L	20		119	70-130			

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Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331949
Date Received: 10/04/16
Date Reported: 10/12/16

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										
Batch B6J0709 - EPA 5030B										
Matrix Spike (B6J0709-MS1) Continued	**Source: 6J04035-02**	Prepared & Analyzed: 10/07/16								
n-Propylbenzene	**19.1**	0.50	ug/L	20		95.7	70-130			
Styrene	**18.8**	0.50	ug/L	20		94.0	70-130			
1,1,1,2-Tetrachloroethane	**19.7**	0.50	ug/L	20		98.4	70-130			
1,1,2,2-Tetrachloroethane	**23.8**	0.50	ug/L	20		119	70-130			
Tetrachloroethylene (PCE)	**16.4**	0.50	ug/L	20		82.0	70-130			
Toluene	**19.5**	0.50	ug/L	20		97.4	70-130			
1,2,3-Trichlorobenzene	**18.6**	0.50	ug/L	20		92.8	70-130			
1,2,4-Trichlorobenzene	**18.0**	0.50	ug/L	20		90.2	70-130			
1,1,1-Trichloroethane	**21.0**	0.50	ug/L	20		105	70-130			
1,1,2-Trichloroethane	**21.5**	0.50	ug/L	20		108	70-130			
Trichloroethylene (TCE)	**19.4**	0.50	ug/L	20		96.8	70-130			
Trichlorofluoromethane (R11)	**24.8**	0.50	ug/L	20		124	70-130			
1,2,3-Trichloropropane	**25.3**	0.50	ug/L	20		127	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**16.5**	0.50	ug/L	20		82.4	70-130			
1,3,5-Trimethylbenzene	**19.6**	0.50	ug/L	20		97.9	70-130			
1,2,4-Trimethylbenzene	**20.1**	0.50	ug/L	20		100	70-130			
Vinyl chloride	**22.2**	0.50	ug/L	20		111	70-130			
o-Xylene	**18.8**	0.50	ug/L	20		93.8	70-130			
m,p-Xylenes	**37.8**	1.0	ug/L	40		94.5	70-130			
Surrogate: 4-Bromofluorobenzene	*49.8*		*ug/L*	*50*		*99.7*	*70-140*			
Surrogate: Dibromofluoromethane	*53.3*		*ug/L*	*50*		*107*	*70-140*			
Surrogate: Toluene-d8	*51.1*		*ug/L*	*50*		*102*	*70-140*			
Matrix Spike Dup (B6J0709-MSD1)	**Source: 6J04035-02**	Prepared & Analyzed: 10/07/16								
Acetone	**55.3**	10	ug/L	50		111	70-130	8.70	30	
tert-Amyl Methyl Ether (TAME)	**24.2**	2.0	ug/L	20		121	70-130	3.15	30	
Benzene	**24.2**	0.50	ug/L	20		121	70-130	3.19	30	
Bromobenzene	**19.5**	0.50	ug/L	20		97.4	70-130	2.55	30	
Bromochloromethane	**20.5**	0.50	ug/L	20		103	70-130	1.64	30	
Bromodichloromethane	**22.1**	0.50	ug/L	20		110	70-130	1.64	30	
Bromoform	**18.7**	0.50	ug/L	20		93.7	70-130	0.532	30	

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331949
Date Received: 10/04/16
Date Reported: 10/12/16

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										
Batch B6J0709 - EPA 5030B										
Matrix Spike Dup (B6J0709-MSD1) Continued	**Source: 6J04035-02**	Prepared & Analyzed: 10/07/16								
Bromomethane	**19.6**	0.50	ug/L	20		97.8	70-130	14.0	30	
2-Butanone (MEK)	**53.8**	10	ug/L	50		108	70-130	1.95	30	
tert-Butyl alcohol (TBA)	**153**	10	ug/L	100		153	70-130	1.46	30	QM-07
sec-Butylbenzene	**19.2**	0.50	ug/L	20		96.2	70-130	4.24	30	
tert-Butylbenzene	**20.8**	0.50	ug/L	20		104	70-130	5.88	30	
n-Butylbenzene	**20.4**	0.50	ug/L	20		102	70-130	5.60	30	
Carbon Disulfide	**41.5**	0.50	ug/L	50		83.0	70-130	2.17	30	
Carbon Tetrachloride	**20.4**	0.50	ug/L	20		102	70-130	2.43	30	
Chlorobenzene	**18.8**	0.50	ug/L	20		94.0	70-130	2.62	30	
Chloroethane	**24.8**	0.50	ug/L	20		124	70-130	6.31	30	
Chloroform	**21.4**	0.50	ug/L	20		107	70-130	1.27	30	
Chloromethane	**20.3**	0.50	ug/L	20		101	70-130	4.79	30	
2-Chlorotoluene	**20.7**	0.50	ug/L	20		103	70-130	4.30	30	
4-Chlorotoluene	**20.7**	0.50	ug/L	20		104	70-130	4.08	30	
1,2-Dibromo-3-chloropropane	**28.7**	1.0	ug/L	20		143	70-130	3.73	30	QM-07
Dibromochloromethane	**21.0**	0.50	ug/L	20		105	70-130	1.27	30	
1,2-Dibromoethane (EDB)	**20.9**	0.50	ug/L	20		105	70-130	0.666	30	
Dibromomethane	**22.2**	0.50	ug/L	20		111	70-130	1.13	30	
1,3-Dichlorobenzene	**19.7**	0.50	ug/L	20		98.4	70-130	1.17	30	
1,2-Dichlorobenzene	**21.0**	0.50	ug/L	20		105	70-130	0.859	30	
1,4-Dichlorobenzene	**19.6**	0.50	ug/L	20		98.2	70-130	5.76	30	
Dichlorodifluoromethane (R12)	**17.6**	0.50	ug/L	20		87.8	70-130	4.25	30	
1,1-Dichloroethane	**19.7**	0.50	ug/L	20		98.4	70-130	1.85	30	
1,2-Dichloroethane (EDC)	**25.3**	0.50	ug/L	20		126	70-130	0.873	30	
1,1-Dichloroethylene	**17.2**	0.50	ug/L	20		86.1	70-130	6.66	30	
trans-1,2-Dichloroethylene	**16.5**	0.50	ug/L	20		82.6	70-130	2.98	30	
cis-1,2-Dichloroethylene	**18.1**	0.50	ug/L	20		90.7	70-130	2.97	30	
1,2-Dichloropropane	**23.2**	0.50	ug/L	20		116	70-130	1.17	30	
2,2-Dichloropropane	**21.7**	0.50	ug/L	20		109	70-130	0.0460	30	
1,3-Dichloropropane	**21.4**	0.50	ug/L	20		107	70-130	2.53	30	
cis-1,3-Dichloropropylene	**22.2**	0.50	ug/L	20		111	70-130	2.83	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: A5331949
Date Received: 10/04/16
Date Reported: 10/12/16

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										
Batch B6J0709 - EPA 5030B										
Matrix Spike Dup (B6J0709-MSD1) Continued		**Source: 6J04035-02**	Prepared & Analyzed: 10/07/16							
trans-1,3-Dichloropropylene	**21.2**	0.50	ug/L	20		106	70-130	4.75	30	
1,1-Dichloropropylene	**19.6**	0.50	ug/L	20		97.8	70-130	5.73	30	
Diisopropyl ether (DIPE)	**22.9**	2.0	ug/L	20		114	70-130	1.01	30	
Ethylbenzene	**19.3**	0.50	ug/L	20		96.4	70-130	1.80	30	
Ethyl-tert-Butyl Ether (ETBE)	**23.3**	2.0	ug/L	20		116	70-130	5.98	30	
Hexachlorobutadiene	**19.4**	1.0	ug/L	20		96.8	70-130	7.78	30	
2-Hexanone (MBK)	**59.6**	10	ug/L	50		119	70-130	0.960	30	
Isopropylbenzene	**20.2**	0.50	ug/L	20		101	70-130	4.72	30	
4-Isopropyltoluene	**20.9**	1.0	ug/L	20		105	70-130	4.64	30	
Methyl-tert-Butyl Ether (MTBE)	**47.7**	1.0	ug/L	40		119	70-130	1.37	30	
Methylene Chloride	**23.1**	5.0	ug/L	20		115	70-130	4.11	30	
4-Methyl-2-pentanone (MIBK)	**59.6**	10	ug/L	50		119	70-130	1.49	30	
Naphthalene	**26.6**	2.0	ug/L	20		133	70-130	11.5	30	QM-07
n-Propylbenzene	**19.7**	0.50	ug/L	20		98.6	70-130	2.93	30	
Styrene	**18.3**	0.50	ug/L	20		91.4	70-130	2.91	30	
1,1,1,2-Tetrachloroethane	**19.4**	0.50	ug/L	20		96.8	70-130	1.64	30	
1,1,2,2-Tetrachloroethane	**23.2**	0.50	ug/L	20		116	70-130	2.55	30	
Tetrachloroethylene (PCE)	**16.5**	0.50	ug/L	20		82.4	70-130	0.547	30	
Toluene	**19.7**	0.50	ug/L	20		98.4	70-130	1.07	30	
1,2,3-Trichlorobenzene	**19.5**	0.50	ug/L	20		97.6	70-130	4.99	30	
1,2,4-Trichlorobenzene	**19.5**	0.50	ug/L	20		97.4	70-130	7.67	30	
1,1,1-Trichloroethane	**21.4**	0.50	ug/L	20		107	70-130	2.03	30	
1,1,2-Trichloroethane	**21.5**	0.50	ug/L	20		108	70-130	0.139	30	
Trichloroethylene (TCE)	**20.3**	0.50	ug/L	20		101	70-130	4.49	30	
Trichlorofluoromethane (R11)	**24.8**	0.50	ug/L	20		124	70-130	0.0403	30	
1,2,3-Trichloropropane	**25.2**	0.50	ug/L	20		126	70-130	0.634	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**18.4**	0.50	ug/L	20		92.2	70-130	11.3	30	
1,3,5-Trimethylbenzene	**20.2**	0.50	ug/L	20		101	70-130	2.87	30	
1,2,4-Trimethylbenzene	**20.8**	0.50	ug/L	20		104	70-130	3.28	30	
Vinyl chloride	**23.1**	0.50	ug/L	20		116	70-130	3.92	30	

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH) | **AA Project No:** A5331949
Project No: 04-NDLA-013 | **Date Received:** 10/04/16
Project Name: DFSP Norwalk GW Sampling | **Date Reported:** 10/12/16

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										
Batch B6J0709 - EPA 5030B										
Matrix Spike Dup (B6J0709-MSD1) Continued	**Source: 6J04035-02**			Prepared & Analyzed: 10/07/16						
o-Xylene	**18.3**	0.50	ug/L	20		91.3	70-130	2.65	30	
m,p-Xylenes	**36.6**	1.0	ug/L	40		91.6	70-130	3.14	30	
Surrogate: 4-Bromofluorobenzene	*52.8*		*ug/L*	*50*		*106*	*70-140*			
Surrogate: Dibromofluoromethane	*54.1*		*ug/L*	*50*		*108*	*70-140*			
Surrogate: Toluene-d8	*50.1*		*ug/L*	*50*		*100*	*70-140*			
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J0709 - EPA 5030B										
Blank (B6J0709-BLK1)				Prepared & Analyzed: 10/07/16						
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							

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331949
Date Received: 10/04/16
Date Reported: 10/12/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J0709 - EPA 5030B										
Blank (B6J0709-BLK1) Continued				Prepared & Analyzed: 10/07/16						
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							
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)	<1.0	1.0	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							

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: A5331949
Date Received: 10/04/16
Date Reported: 10/12/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J0709 - EPA 5030B										
Blank (B6J0709-BLK1) Continued				Prepared & Analyzed: 10/07/16						
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							
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							
Surrogate: 4-Bromofluorobenzene	*55.0*		*ug/L*	*50*		*110*	*70-140*			
Surrogate: Dibromofluoromethane	*57.4*		*ug/L*	*50*		*115*	*70-140*			
Surrogate: Toluene-d8	*51.5*		*ug/L*	*50*		*103*	*70-140*			
LCS (B6J0709-BS1)				Prepared: 10/07/16 Analyzed: 10/08/16						
Acetone	**52.1**	10	ug/L	50		104	70-130			
tert-Amyl Methyl Ether (TAME)	**21.9**	2.0	ug/L	20		109	70-130			
Benzene	**23.5**	0.50	ug/L	20		117	75-125			
Bromobenzene	**19.6**	0.50	ug/L	20		97.8	70-130			
Bromochloromethane	**21.1**	0.50	ug/L	20		105	70-130			
Bromodichloromethane	**22.9**	0.50	ug/L	20		114	75-125			
Bromoform	**16.5**	0.50	ug/L	20		82.6	75-125			
Bromomethane	**20.0**	0.50	ug/L	20		99.8	75-125			
2-Butanone (MEK)	**49.6**	10	ug/L	50		99.2	70-130			

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331949
Date Received: 10/04/16
Date Reported: 10/12/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J0709 - EPA 5030B										
LCS (B6J0709-BS1) Continued				Prepared: 10/07/16	Analyzed: 10/08/16					
tert-Butyl alcohol (TBA)	**114**	10	ug/L	100		114	70-130			
sec-Butylbenzene	**22.3**	0.50	ug/L	20		112	70-130			
tert-Butylbenzene	**23.9**	0.50	ug/L	20		119	70-130			
n-Butylbenzene	**23.0**	0.50	ug/L	20		115	70-130			
Carbon Disulfide	**44.5**	0.50	ug/L	50		89.0	70-130			
Carbon Tetrachloride	**23.9**	0.50	ug/L	20		119	75-125			
Chlorobenzene	**20.2**	0.50	ug/L	20		101	75-125			
Chloroethane	**23.4**	0.50	ug/L	20		117	75-125			
Chloroform	**23.3**	0.50	ug/L	20		116	75-125			
Chloromethane	**19.1**	0.50	ug/L	20		95.6	65-125			
2-Chlorotoluene	**22.7**	0.50	ug/L	20		113	70-130			
4-Chlorotoluene	**22.8**	0.50	ug/L	20		114	70-130			
1,2-Dibromo-3-chloropropane	**22.8**	1.0	ug/L	20		114	70-130			
Dibromochloromethane	**20.0**	0.50	ug/L	20		100	75-125			
1,2-Dibromoethane (EDB)	**18.5**	0.50	ug/L	20		92.4	70-130			
Dibromomethane	**22.3**	0.50	ug/L	20		112	70-130			
1,3-Dichlorobenzene	**21.2**	0.50	ug/L	20		106	70-130			
1,2-Dichlorobenzene	**21.7**	0.50	ug/L	20		108	70-130			
1,4-Dichlorobenzene	**20.5**	0.50	ug/L	20		102	75-125			
Dichlorodifluoromethane (R12)	**17.4**	0.50	ug/L	20		87.0	70-130			
1,1-Dichloroethane	**21.5**	0.50	ug/L	20		108	70-125			
1,2-Dichloroethane (EDC)	**25.1**	0.50	ug/L	20		126	75-125			**
1,1-Dichloroethylene	**16.7**	0.50	ug/L	20		83.6	70-130			
trans-1,2-Dichloroethylene	**17.4**	0.50	ug/L	20		87.2	75-125			
cis-1,2-Dichloroethylene	**19.5**	0.50	ug/L	20		97.4	75-125			
1,2-Dichloropropane	**24.5**	0.50	ug/L	20		122	75-130			
2,2-Dichloropropane	**22.8**	0.50	ug/L	20		114	70-130			
1,3-Dichloropropane	**20.4**	0.50	ug/L	20		102	70-130			
cis-1,3-Dichloropropylene	**21.5**	0.50	ug/L	20		107	75-125			
trans-1,3-Dichloropropylene	**19.7**	0.50	ug/L	20		98.6	70-130			
1,1-Dichloropropylene	**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: A5331949
Date Received: 10/04/16
Date Reported: 10/12/16

VOCs & OXYGENATES by GC/MS - Quality Control

Batch B6J0709 - EPA 5030B

LCS (B6J0709-BS1) Continued Prepared: 10/07/16 Analyzed: 10/08/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Diisopropyl ether (DIPE)	**21.8**	2.0	ug/L	20		109	70-130			
Ethylbenzene	**21.3**	0.50	ug/L	20		107	75-125			
Ethyl-tert-Butyl Ether (ETBE)	**21.4**	2.0	ug/L	20		107	70-130			
Hexachlorobutadiene	**21.0**	1.0	ug/L	20		105	70-130			
2-Hexanone (MBK)	**47.5**	10	ug/L	50		95.0	70-130			
Isopropylbenzene	**22.6**	0.50	ug/L	20		113	70-130			
4-Isopropyltoluene	**23.6**	1.0	ug/L	20		118	70-130			
Methyl-tert-Butyl Ether (MTBE)	**43.7**	1.0	ug/L	40		109	75-125			
Methylene Chloride	**25.2**	5.0	ug/L	20		126	75-130			
4-Methyl-2-pentanone (MIBK)	**47.8**	10	ug/L	50		95.7	70-130			
Naphthalene	**21.9**	2.0	ug/L	20		110	70-130			
n-Propylbenzene	**22.6**	0.50	ug/L	20		113	70-130			
Styrene	**19.4**	0.50	ug/L	20		96.8	70-130			
1,1,1,2-Tetrachloroethane	**20.3**	0.50	ug/L	20		101	70-130			
1,1,2,2-Tetrachloroethane	**20.2**	0.50	ug/L	20		101	70-135			
Tetrachloroethylene (PCE)	**18.2**	0.50	ug/L	20		91.2	75-125			
Toluene	**21.2**	0.50	ug/L	20		106	75-125			
1,2,3-Trichlorobenzene	**20.0**	0.50	ug/L	20		99.8	70-130			
1,2,4-Trichlorobenzene	**19.5**	0.50	ug/L	20		97.3	70-130			
1,1,1-Trichloroethane	**24.6**	0.50	ug/L	20		123	75-125			
1,1,2-Trichloroethane	**19.9**	0.50	ug/L	20		99.6	75-125			
Trichloroethylene (TCE)	**23.1**	0.50	ug/L	20		116	75-125			
Trichlorofluoromethane (R11)	**23.7**	0.50	ug/L	20		118	70-130			
1,2,3-Trichloropropane	**21.1**	0.50	ug/L	20		105	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**17.9**	0.50	ug/L	20		89.6	70-130			
1,3,5-Trimethylbenzene	**22.9**	0.50	ug/L	20		114	70-130			
1,2,4-Trimethylbenzene	**22.9**	0.50	ug/L	20		115	70-130			
Vinyl chloride	**21.9**	0.50	ug/L	20		109	75-125			
o-Xylene	**20.6**	0.50	ug/L	20		103	75-125			
m,p-Xylenes	**41.0**	1.0	ug/L	40		102	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: A5331949
Date Received: 10/04/16
Date Reported: 10/12/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J0709 - EPA 5030B										
LCS (B6J0709-BS1) Continued				Prepared: 10/07/16 Analyzed: 10/08/16						
Surrogate: 4-Bromofluorobenzene	*56.1*		*ug/L*	*50*		*112*	*70-140*			
Surrogate: Dibromofluoromethane	*54.5*		*ug/L*	*50*		*109*	*70-140*			
Surrogate: Toluene-d8	*50.2*		*ug/L*	*50*		*100*	*70-140*			
LCS Dup (B6J0709-BSD1)				Prepared: 10/07/16 Analyzed: 10/08/16						
Acetone	**53.5**	10	ug/L	50		107	70-130	2.69	30	
tert-Amyl Methyl Ether (TAME)	**19.8**	2.0	ug/L	20		98.8	70-130	10.0	30	
Benzene	**23.8**	0.50	ug/L	20		119	75-125	1.14	30	
Bromobenzene	**19.4**	0.50	ug/L	20		96.9	70-130	0.873	30	
Bromochloromethane	**20.2**	0.50	ug/L	20		101	70-130	4.17	30	
Bromodichloromethane	**21.5**	0.50	ug/L	20		107	75-125	6.45	30	
Bromoform	**15.8**	0.50	ug/L	20		79.2	75-125	4.26	30	
Bromomethane	**19.3**	0.50	ug/L	20		96.7	75-125	3.11	30	
2-Butanone (MEK)	**46.4**	10	ug/L	50		92.9	70-130	6.56	30	
tert-Butyl alcohol (TBA)	**118**	10	ug/L	100		118	70-130	3.55	30	
sec-Butylbenzene	**22.4**	0.50	ug/L	20		112	70-130	0.268	30	
tert-Butylbenzene	**23.7**	0.50	ug/L	20		118	70-130	0.926	30	
n-Butylbenzene	**23.1**	0.50	ug/L	20		115	70-130	0.347	30	
Carbon Disulfide	**42.8**	0.50	ug/L	50		85.5	70-130	4.03	30	
Carbon Tetrachloride	**22.8**	0.50	ug/L	20		114	75-125	4.68	30	
Chlorobenzene	**20.1**	0.50	ug/L	20		100	75-125	0.546	30	
Chloroethane	**23.2**	0.50	ug/L	20		116	75-125	1.03	30	
Chloroform	**21.5**	0.50	ug/L	20		107	75-125	8.18	30	
Chloromethane	**18.7**	0.50	ug/L	20		93.4	65-125	2.33	30	
2-Chlorotoluene	**22.8**	0.50	ug/L	20		114	70-130	0.440	30	
4-Chlorotoluene	**22.6**	0.50	ug/L	20		113	70-130	1.28	30	
1,2-Dibromo-3-chloropropane	**21.5**	1.0	ug/L	20		108	70-130	5.95	30	
Dibromochloromethane	**19.9**	0.50	ug/L	20		99.6	75-125	0.451	30	
1,2-Dibromoethane (EDB)	**18.6**	0.50	ug/L	20		93.2	70-130	0.862	30	
Dibromomethane	**20.2**	0.50	ug/L	20		101	70-130	10.1	30	
1,3-Dichlorobenzene	**20.8**	0.50	ug/L	20		104	70-130	1.90	30	
1,2-Dichlorobenzene	**21.7**	0.50	ug/L	20		108	70-130	0.0923	30	

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331949
Date Received: 10/04/16
Date Reported: 10/12/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J0709 - EPA 5030B										
LCS Dup (B6J0709-BSD1) Continued				Prepared: 10/07/16	Analyzed: 10/08/16					
1,4-Dichlorobenzene	**20.5**	0.50	ug/L	20		103	75-125	0.0976	30	
Dichlorodifluoromethane (R12)	**17.2**	0.50	ug/L	20		86.1	70-130	0.982	30	
1,1-Dichloroethane	**19.9**	0.50	ug/L	20		99.6	70-125	7.63	30	
1,2-Dichloroethane (EDC)	**23.1**	0.50	ug/L	20		116	75-125	8.37	30	
1,1-Dichloroethylene	**16.2**	0.50	ug/L	20		81.1	70-130	2.98	30	
trans-1,2-Dichloroethylene	**16.6**	0.50	ug/L	20		82.8	75-125	5.18	30	
cis-1,2-Dichloroethylene	**18.9**	0.50	ug/L	20		94.4	75-125	3.02	30	
1,2-Dichloropropane	**22.7**	0.50	ug/L	20		113	75-130	7.72	30	
2,2-Dichloropropane	**20.8**	0.50	ug/L	20		104	70-130	9.32	30	
1,3-Dichloropropane	**19.4**	0.50	ug/L	20		97.0	70-130	5.27	30	
cis-1,3-Dichloropropylene	**19.3**	0.50	ug/L	20		96.6	75-125	10.7	30	
trans-1,3-Dichloropropylene	**19.5**	0.50	ug/L	20		97.6	70-130	1.12	30	
1,1-Dichloropropylene	**20.6**	0.50	ug/L	20		103	70-130	5.42	30	
Diisopropyl ether (DIPE)	**20.7**	2.0	ug/L	20		103	70-130	5.27	30	
Ethylbenzene	**21.1**	0.50	ug/L	20		106	75-125	1.04	30	
Ethyl-tert-Butyl Ether (ETBE)	**19.9**	2.0	ug/L	20		99.7	70-130	7.25	30	
Hexachlorobutadiene	**22.1**	1.0	ug/L	20		110	70-130	4.96	30	
2-Hexanone (MBK)	**47.5**	10	ug/L	50		95.0	70-130	0.0210	30	
Isopropylbenzene	**22.7**	0.50	ug/L	20		113	70-130	0.309	30	
4-Isopropyltoluene	**23.9**	1.0	ug/L	20		119	70-130	1.22	30	
Methyl-tert-Butyl Ether (MTBE)	**40.5**	1.0	ug/L	40		101	75-125	7.63	30	
Methylene Chloride	**23.6**	5.0	ug/L	20		118	75-130	6.84	30	
4-Methyl-2-pentanone (MIBK)	**41.3**	10	ug/L	50		82.5	70-130	14.8	30	
Naphthalene	**23.8**	2.0	ug/L	20		119	70-130	8.35	30	
n-Propylbenzene	**22.6**	0.50	ug/L	20		113	70-130	0.354	30	
Styrene	**19.0**	0.50	ug/L	20		95.2	70-130	1.56	30	
1,1,1,2-Tetrachloroethane	**19.5**	0.50	ug/L	20		97.6	70-130	3.72	30	
1,1,2,2-Tetrachloroethane	**20.0**	0.50	ug/L	20		100	70-135	1.04	30	
Tetrachloroethylene (PCE)	**18.1**	0.50	ug/L	20		90.3	75-125	1.05	30	
Toluene	**20.7**	0.50	ug/L	20		103	75-125	2.34	30	
1,2,3-Trichlorobenzene	**20.2**	0.50	ug/L	20		101	70-130	1.25	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: A5331949
Date Received: 10/04/16
Date Reported: 10/12/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J0709 - EPA 5030B										
LCS Dup (B6J0709-BSD1) Continued				Prepared: 10/07/16 Analyzed: 10/08/16						
1,2,4-Trichlorobenzene	**19.5**	0.50	ug/L	20		97.4	70-130	0.154	30	
1,1,1-Trichloroethane	**23.3**	0.50	ug/L	20		117	75-125	5.38	30	
1,1,2-Trichloroethane	**19.2**	0.50	ug/L	20		96.0	75-125	3.68	30	
Trichloroethylene (TCE)	**21.3**	0.50	ug/L	20		106	75-125	8.29	30	
Trichlorofluoromethane (R11)	**22.6**	0.50	ug/L	20		113	70-130	4.58	30	
1,2,3-Trichloropropane	**20.8**	0.50	ug/L	20		104	70-130	1.39	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**17.2**	0.50	ug/L	20		86.1	70-130	3.98	30	
1,3,5-Trimethylbenzene	**22.9**	0.50	ug/L	20		115	70-130	0.131	30	
1,2,4-Trimethylbenzene	**23.2**	0.50	ug/L	20		116	70-130	0.998	30	
Vinyl chloride	**22.1**	0.50	ug/L	20		110	75-125	0.865	30	
o-Xylene	**19.8**	0.50	ug/L	20		99.2	75-125	4.05	30	
m,p-Xylenes	**39.8**	1.0	ug/L	40		99.4	70-130	2.92	30	
Surrogate: 4-Bromofluorobenzene	*54.8*		*ug/L*	*50*		*110*	*70-140*			
Surrogate: Dibromofluoromethane	*51.2*		*ug/L*	*50*		*102*	*70-140*			
Surrogate: Toluene-d8	*50.8*		*ug/L*	*50*		*102*	*70-140*			
Matrix Spike (B6J0709-MS1)		**Source: 6J04035-02**		Prepared & Analyzed: 10/07/16						
Acetone	**50.7**	10	ug/L	50	<10	101	70-130			
tert-Amyl Methyl Ether (TAME)	**23.4**	2.0	ug/L	20	<2.0	117	70-130			
Benzene	**23.4**	0.50	ug/L	20	<0.50	117	70-130			
Bromobenzene	**19.0**	0.50	ug/L	20	<0.50	95.0	70-130			
Bromochloromethane	**20.9**	0.50	ug/L	20	<0.50	104	70-130			
Bromodichloromethane	**21.7**	0.50	ug/L	20	<0.50	109	70-130			
Bromoform	**18.8**	0.50	ug/L	20	<0.50	94.2	70-130			
Bromomethane	**17.0**	0.50	ug/L	20	<0.50	85.0	70-130			
2-Butanone (MEK)	**54.9**	10	ug/L	50	<10	110	70-130			
tert-Butyl alcohol (TBA)	**151**	10	ug/L	100	<10	151	70-130			QM-07
sec-Butylbenzene	**18.4**	0.50	ug/L	20	<0.50	92.2	70-130			
tert-Butylbenzene	**19.7**	0.50	ug/L	20	<0.50	98.3	70-130			
n-Butylbenzene	**19.3**	0.50	ug/L	20	<0.50	96.4	70-130			
Carbon Disulfide	**40.6**	0.50	ug/L	50	<0.50	81.3	70-130			

Viorel Vasile
Operations Manager

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LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331949
Project No:	04-NDLA-013	**Date Received:**	10/04/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/12/16

VOCs & OXYGENATES by GC/MS - Quality Control

Batch B6J0709 - EPA 5030B

Matrix Spike (B6J0709-MS1) Continued Source: 6J04035-02 Prepared & Analyzed: 10/07/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Carbon Tetrachloride	**19.9**	0.50	ug/L	20	<0.50	99.7	70-130			
Chlorobenzene	**19.3**	0.50	ug/L	20	<0.50	96.5	70-130			
Chloroethane	**23.3**	0.50	ug/L	20	<0.50	117	70-130			
Chloroform	**21.1**	0.50	ug/L	20	<0.50	106	70-130			
Chloromethane	**19.3**	0.50	ug/L	20	<0.50	96.7	70-130			
2-Chlorotoluene	**19.8**	0.50	ug/L	20	<0.50	99.0	70-130			
4-Chlorotoluene	**19.9**	0.50	ug/L	20	<0.50	99.6	70-130			
1,2-Dibromo-3-chloropropane	**27.6**	1.0	ug/L	20	<1.0	138	70-130			QM-07
Dibromochloromethane	**21.3**	0.50	ug/L	20	<0.50	107	70-130			
1,2-Dibromoethane (EDB)	**21.1**	0.50	ug/L	20	<0.50	105	70-130			
Dibromomethane	**22.0**	0.50	ug/L	20	<0.50	110	70-130			
1,3-Dichlorobenzene	**19.5**	0.50	ug/L	20	<0.50	97.3	70-130			
1,2-Dichlorobenzene	**20.9**	0.50	ug/L	20	<0.50	104	70-130			
1,4-Dichlorobenzene	**18.6**	0.50	ug/L	20	<0.50	92.8	70-130			
Dichlorodifluoromethane (R12)	**16.8**	0.50	ug/L	20	<0.50	84.1	70-130			
1,1-Dichloroethane	**19.3**	0.50	ug/L	20	<0.50	96.6	70-130			
1,2-Dichloroethane (EDC)	**25.1**	0.50	ug/L	20	<0.50	125	70-130			
1,1-Dichloroethylene	**16.1**	0.50	ug/L	20	<0.50	80.6	70-130			
trans-1,2-Dichloroethylene	**17.0**	0.50	ug/L	20	<0.50	85.1	70-130			
cis-1,2-Dichloroethylene	**17.6**	0.50	ug/L	20	<0.50	88.0	70-130			
1,2-Dichloropropane	**22.9**	0.50	ug/L	20	<0.50	114	70-130			
2,2-Dichloropropane	**21.7**	0.50	ug/L	20	<0.50	109	70-130			
1,3-Dichloropropane	**22.0**	0.50	ug/L	20	<0.50	110	70-130			
cis-1,3-Dichloropropylene	**21.6**	0.50	ug/L	20	<0.50	108	70-130			
trans-1,3-Dichloropropylene	**22.2**	0.50	ug/L	20	<0.50	111	70-130			
1,1-Dichloropropylene	**18.5**	0.50	ug/L	20	<0.50	92.4	70-130			
Diisopropyl ether (DIPE)	**22.6**	2.0	ug/L	20	<2.0	113	70-130			
Ethylbenzene	**19.6**	0.50	ug/L	20	<0.50	98.1	70-130			
Ethyl-tert-Butyl Ether (ETBE)	**21.9**	2.0	ug/L	20	<2.0	110	70-130			
Hexachlorobutadiene	**17.9**	1.0	ug/L	20	<1.0	89.6	70-130			
2-Hexanone (MBK)	**59.1**	10	ug/L	50	<10	118	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: A5331949
Date Received: 10/04/16
Date Reported: 10/12/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J0709 - EPA 5030B										
Matrix Spike (B6J0709-MS1) Continued	**Source: 6J04035-02**	Prepared & Analyzed: 10/07/16								
Isopropylbenzene	**19.2**	0.50	ug/L	20	<0.50	96.1	70-130			
4-Isopropyltoluene	**20.0**	1.0	ug/L	20	<1.0	100	70-130			
Methyl-tert-Butyl Ether (MTBE)	**47.1**	1.0	ug/L	40	<1.0	118	70-130			
Methylene Chloride	**22.1**	5.0	ug/L	20	<5.0	111	70-130			
4-Methyl-2-pentanone (MIBK)	**58.7**	10	ug/L	50	<10	117	70-130			
Naphthalene	**23.7**	2.0	ug/L	20	<2.0	119	70-130			
n-Propylbenzene	**19.1**	0.50	ug/L	20	<0.50	95.7	70-130			
Styrene	**18.8**	0.50	ug/L	20	<0.50	94.0	70-130			
1,1,1,2-Tetrachloroethane	**19.7**	0.50	ug/L	20	<0.50	98.4	70-130			
1,1,2,2-Tetrachloroethane	**23.8**	0.50	ug/L	20	<0.50	119	70-130			
Tetrachloroethylene (PCE)	**16.4**	0.50	ug/L	20	<0.50	82.0	70-130			
Toluene	**19.5**	0.50	ug/L	20	<0.50	97.4	70-130			
1,2,3-Trichlorobenzene	**18.6**	0.50	ug/L	20	<0.50	92.8	70-130			
1,2,4-Trichlorobenzene	**18.0**	0.50	ug/L	20	<0.50	90.2	70-130			
1,1,1-Trichloroethane	**21.0**	0.50	ug/L	20	<0.50	105	70-130			
1,1,2-Trichloroethane	**21.5**	0.50	ug/L	20	<0.50	108	70-130			
Trichloroethylene (TCE)	**19.4**	0.50	ug/L	20	<0.50	96.8	70-130			
Trichlorofluoromethane (R11)	**24.8**	0.50	ug/L	20	<0.50	124	70-130			
1,2,3-Trichloropropane	**25.3**	0.50	ug/L	20	<0.50	127	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**16.5**	0.50	ug/L	20	<0.50	82.4	70-130			
1,3,5-Trimethylbenzene	**19.6**	0.50	ug/L	20	<0.50	97.9	70-130			
1,2,4-Trimethylbenzene	**20.1**	0.50	ug/L	20	<0.50	100	70-130			
Vinyl chloride	**22.2**	0.50	ug/L	20	<0.50	111	70-130			
o-Xylene	**18.8**	0.50	ug/L	20	<0.50	93.8	70-130			
m,p-Xylenes	**37.8**	1.0	ug/L	40	<1.0	94.5	70-130			
Surrogate: 4-Bromofluorobenzene	*49.8*		*ug/L*	*50*		*99.7*	*70-140*			
Surrogate: Dibromofluoromethane	*53.3*		*ug/L*	*50*		*107*	*70-140*			
Surrogate: Toluene-d8	*51.1*		*ug/L*	*50*		*102*	*70-140*			
Matrix Spike Dup (B6J0709-MSD1)	**Source: 6J04035-02**	Prepared & Analyzed: 10/07/16								
Acetone	**55.3**	10	ug/L	50	<10	111	70-130	8.70	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: A5331949
Date Received: 10/04/16
Date Reported: 10/12/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J0709 - EPA 5030B										
Matrix Spike Dup (B6J0709-MSD1) Continued		**Source: 6J04035-02**	Prepared & Analyzed: 10/07/16							
tert-Amyl Methyl Ether (TAME)	**24.2**	2.0	ug/L	20	<2.0	121	70-130	3.15	30	
Benzene	**24.2**	0.50	ug/L	20	<0.50	121	70-130	3.19	30	
Bromobenzene	**19.5**	0.50	ug/L	20	<0.50	97.4	70-130	2.55	30	
Bromochloromethane	**20.5**	0.50	ug/L	20	<0.50	103	70-130	1.64	30	
Bromodichloromethane	**22.1**	0.50	ug/L	20	<0.50	110	70-130	1.64	30	
Bromoform	**18.7**	0.50	ug/L	20	<0.50	93.7	70-130	0.532	30	
Bromomethane	**19.6**	0.50	ug/L	20	<0.50	97.8	70-130	14.0	30	
2-Butanone (MEK)	**53.8**	10	ug/L	50	<10	108	70-130	1.95	30	
tert-Butyl alcohol (TBA)	**153**	10	ug/L	100	<10	153	70-130	1.46	30	
sec-Butylbenzene	**19.2**	0.50	ug/L	20	<0.50	96.2	70-130	4.24	30	
tert-Butylbenzene	**20.8**	0.50	ug/L	20	<0.50	104	70-130	5.88	30	
n-Butylbenzene	**20.4**	0.50	ug/L	20	<0.50	102	70-130	5.60	30	
Carbon Disulfide	**41.5**	0.50	ug/L	50	<0.50	83.0	70-130	2.17	30	
Carbon Tetrachloride	**20.4**	0.50	ug/L	20	<0.50	102	70-130	2.43	30	
Chlorobenzene	**18.8**	0.50	ug/L	20	<0.50	94.0	70-130	2.62	30	
Chloroethane	**24.8**	0.50	ug/L	20	<0.50	124	70-130	6.31	30	
Chloroform	**21.4**	0.50	ug/L	20	<0.50	107	70-130	1.27	30	
Chloromethane	**20.3**	0.50	ug/L	20	<0.50	101	70-130	4.79	30	
2-Chlorotoluene	**20.7**	0.50	ug/L	20	<0.50	103	70-130	4.30	30	
4-Chlorotoluene	**20.7**	0.50	ug/L	20	<0.50	104	70-130	4.08	30	
1,2-Dibromo-3-chloropropane	**28.7**	1.0	ug/L	20	<1.0	143	70-130	3.73	30	
Dibromochloromethane	**21.0**	0.50	ug/L	20	<0.50	105	70-130	1.27	30	
1,2-Dibromoethane (EDB)	**20.9**	0.50	ug/L	20	<0.50	105	70-130	0.666	30	
Dibromomethane	**22.2**	0.50	ug/L	20	<0.50	111	70-130	1.13	30	
1,3-Dichlorobenzene	**19.7**	0.50	ug/L	20	<0.50	98.4	70-130	1.17	30	
1,2-Dichlorobenzene	**21.0**	0.50	ug/L	20	<0.50	105	70-130	0.859	30	
1,4-Dichlorobenzene	**19.6**	0.50	ug/L	20	<0.50	98.2	70-130	5.76	30	
Dichlorodifluoromethane (R12)	**17.6**	0.50	ug/L	20	<0.50	87.8	70-130	4.25	30	
1,1-Dichloroethane	**19.7**	0.50	ug/L	20	<0.50	98.4	70-130	1.85	30	
1,2-Dichloroethane (EDC)	**25.3**	0.50	ug/L	20	<0.50	126	70-130	0.873	30	
1,1-Dichloroethylene	**17.2**	0.50	ug/L	20	<0.50	86.1	70-130	6.66	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: A5331949
Date Received: 10/04/16
Date Reported: 10/12/16

VOCs & OXYGENATES by GC/MS - Quality Control

Batch B6J0709 - EPA 5030B

Matrix Spike Dup (B6J0709-MSD1) Continued **Source: 6J04035-02** Prepared & Analyzed: 10/07/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
trans-1,2-Dichloroethylene	**16.5**	0.50	ug/L	20	<0.50	82.6	70-130	2.98	30	
cis-1,2-Dichloroethylene	**18.1**	0.50	ug/L	20	<0.50	90.7	70-130	2.97	30	
1,2-Dichloropropane	**23.2**	0.50	ug/L	20	<0.50	116	70-130	1.17	30	
2,2-Dichloropropane	**21.7**	0.50	ug/L	20	<0.50	109	70-130	0.0460	30	
1,3-Dichloropropane	**21.4**	0.50	ug/L	20	<0.50	107	70-130	2.53	30	
cis-1,3-Dichloropropylene	**22.2**	0.50	ug/L	20	<0.50	111	70-130	2.83	30	
trans-1,3-Dichloropropylene	**21.2**	0.50	ug/L	20	<0.50	106	70-130	4.75	30	
1,1-Dichloropropylene	**19.6**	0.50	ug/L	20	<0.50	97.8	70-130	5.73	30	
Diisopropyl ether (DIPE)	**22.9**	2.0	ug/L	20	<2.0	114	70-130	1.01	30	
Ethylbenzene	**19.3**	0.50	ug/L	20	<0.50	96.4	70-130	1.80	30	
Ethyl-tert-Butyl Ether (ETBE)	**23.3**	2.0	ug/L	20	<2.0	116	70-130	5.98	30	
Hexachlorobutadiene	**19.4**	1.0	ug/L	20	<1.0	96.8	70-130	7.78	30	
2-Hexanone (MBK)	**59.6**	10	ug/L	50	<10	119	70-130	0.960	30	
Isopropylbenzene	**20.2**	0.50	ug/L	20	<0.50	101	70-130	4.72	30	
4-Isopropyltoluene	**20.9**	1.0	ug/L	20	<1.0	105	70-130	4.64	30	
Methyl-tert-Butyl Ether (MTBE)	**47.7**	1.0	ug/L	40	<1.0	119	70-130	1.37	30	
Methylene Chloride	**23.1**	5.0	ug/L	20	<5.0	115	70-130	4.11	30	
4-Methyl-2-pentanone (MIBK)	**59.6**	10	ug/L	50	<10	119	70-130	1.49	30	
Naphthalene	**26.6**	2.0	ug/L	20	<2.0	133	70-130	11.5	30	QM-07
n-Propylbenzene	**19.7**	0.50	ug/L	20	<0.50	98.6	70-130	2.93	30	
Styrene	**18.3**	0.50	ug/L	20	<0.50	91.4	70-130	2.91	30	
1,1,1,2-Tetrachloroethane	**19.4**	0.50	ug/L	20	<0.50	96.8	70-130	1.64	30	
1,1,2,2-Tetrachloroethane	**23.2**	0.50	ug/L	20	<0.50	116	70-130	2.55	30	
Tetrachloroethylene (PCE)	**16.5**	0.50	ug/L	20	<0.50	82.4	70-130	0.547	30	
Toluene	**19.7**	0.50	ug/L	20	<0.50	98.4	70-130	1.07	30	
1,2,3-Trichlorobenzene	**19.5**	0.50	ug/L	20	<0.50	97.6	70-130	4.99	30	
1,2,4-Trichlorobenzene	**19.5**	0.50	ug/L	20	<0.50	97.4	70-130	7.67	30	
1,1,1-Trichloroethane	**21.4**	0.50	ug/L	20	<0.50	107	70-130	2.03	30	
1,1,2-Trichloroethane	**21.5**	0.50	ug/L	20	<0.50	108	70-130	0.139	30	
Trichloroethylene (TCE)	**20.3**	0.50	ug/L	20	<0.50	101	70-130	4.49	30	
Trichlorofluoromethane (R11)	**24.8**	0.50	ug/L	20	<0.50	124	70-130	0.0403	30	

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331949
Date Received: 10/04/16
Date Reported: 10/12/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J0709 - EPA 5030B										
Matrix Spike Dup (B6J0709-MSD1) Continued		**Source: 6J04035-02**		Prepared & Analyzed: 10/07/16						
1,2,3-Trichloropropane	**25.2**	0.50	ug/L	20	<0.50	126	70-130	0.634	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**18.4**	0.50	ug/L	20	<0.50	92.2	70-130	11.3	30	
1,3,5-Trimethylbenzene	**20.2**	0.50	ug/L	20	<0.50	101	70-130	2.87	30	
1,2,4-Trimethylbenzene	**20.8**	0.50	ug/L	20	<0.50	104	70-130	3.28	30	
Vinyl chloride	**23.1**	0.50	ug/L	20	<0.50	116	70-130	3.92	30	
o-Xylene	**18.3**	0.50	ug/L	20	<0.50	91.3	70-130	2.65	30	
m,p-Xylenes	**36.6**	1.0	ug/L	40	<1.0	91.6	70-130	3.14	30	
Surrogate: 4-Bromofluorobenzene	*52.8*		*ug/L*	*50*		*106*	*70-140*			
Surrogate: Dibromofluoromethane	*54.1*		*ug/L*	*50*		*108*	*70-140*			
Surrogate: Toluene-d8	*50.1*		*ug/L*	*50*		*100*	*70-140*			
Diesel Range Organics by GC/FID - Quality Control										
Batch B6J1020 - EPA 3510C										
Blank (B6J1020-BLK1)				Prepared & Analyzed: 10/10/16						
Diesel Range Organics as Diesel	<0.10	0.10	mg/L							
Surrogate: o-Terphenyl	*0.0489*		*mg/L*	*0.040*		*122*	*50-150*			
LCS (B6J1020-BS1)				Prepared & Analyzed: 10/10/16						
Diesel Range Organics as Diesel	**0.811**	0.10	mg/L	0.80		101	75-125			
Surrogate: o-Terphenyl	*0.0481*		*mg/L*	*0.040*		*120*	*50-150*			
LCS Dup (B6J1020-BSD1)				Prepared & Analyzed: 10/10/16						
Diesel Range Organics as Diesel	**0.791**	0.10	mg/L	0.80		98.8	75-125	2.51	30	
Surrogate: o-Terphenyl	*0.0585*		*mg/L*	*0.040*		*146*	*50-150*			
Gasoline Range Organics by GC/FID - Quality Control										
Batch B6J0534 - EPA 5030B										
Blank (B6J0534-BLK1)				Prepared & Analyzed: 10/05/16						
Gasoline Range Organics (GRO)	<100	100	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*44.1*		*ug/L*	*50*		*88.2*	*80-120*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331949
Project No:	04-NDLA-013	**Date Received:**	10/04/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/12/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Gasoline Range Organics by GC/FID - Quality Control										
Batch B6J0534 - EPA 5030B										
LCS (B6J0534-BS1)				Prepared & Analyzed: 10/05/16						
Gasoline Range Organics (GRO)	**421**	100	ug/L	500		84.1	75-125			
Surrogate: a,a,a-Trifluorotoluene	*46.6*		*ug/L*	*50*		*93.1*	*80-120*			
LCS Dup (B6J0534-BSD1)				Prepared & Analyzed: 10/05/16						
Gasoline Range Organics (GRO)	**451**	100	ug/L	500		90.2	75-125	6.98	30	
Surrogate: a,a,a-Trifluorotoluene	*48.0*		*ug/L*	*50*		*95.9*	*80-120*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331949
Project No:	04-NDLA-013	**Date Received:**	10/04/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/12/16

Special Notes

[1] = ****** : Exceeds upper control limit.

[2] = **QM-07** : The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

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.: 125871
70047093
Page 1 of 1

Client: APEX-SGI	Project Name / No.: DFSP Norwalk	Sampler's Name: DAVID Webber
Project Manager: DAN SWENSSON	Site Address: 15306 Norwalk Blvd.	Sampler's Signature: [signature]
Phone: 1-562-597-1055	City: Norwalk	P.O. No.: —
Fax: 1-562-597-1070	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)
Please enter the TAT Turnaround Codes ** below

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	8260B	8015TPH-G	8015M "D"	Special Instructions
QCTB-1	6J04035-01	10-3-16	6:00	GW	2	X			
GMW-63	-02	10-3-16	9:25	GW	7	X	X	X	
GMW-~~64~~ 64	-03	10-3-16	9:55	GW	7	X	X	X	
GMW-~~65~~ 65	-04	10-3-16	10:45	GW	7	X	X	X	
GMW-67	-05	10-3-16	10:55	GW	7	X	X	X	
GMW-69	-06	10-3-16	11:30	GW	7	X	X	X	
QCEB-1	-07	10-3-16	12:30	GW	2	X			

SAMPLE INTEGRITY
INTACT (Y) N TEMP 5 °C

16 OCT 4 15:51

For Laboratory Use
REVIEWED
Date 10/4/16 Time 1615
TAT N Days Sign: [signature]

A.A. Project No.: A5331949 / 6J04035

Relinquished by	Date	Time	Received by
[signature]	10-4-16	14:30	[signature]
[signature]	10/4/16	15:51	[signature]

AMERICAN
ANALYTICS

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

October 20, 2016

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

Re : DFSP Norwalk GW Sampling / 04-NDLA-013

A5331950 / 6J04036

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 10/04/16 15:51 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 Analytics.

Sincerely,

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: A5331950
Date Received: 10/04/16
Date Reported: 10/20/16

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8260B+OXY+TPHG					
QCTB-1	6J04036-01	Water	5	10/04/16 06:00	10/04/16 15:51
QCEB-1	6J04036-12	Water	5	10/04/16 14:00	10/04/16 15:51
8260B+OXYGENATES					
EXP-3	6J04036-02	Water	5	10/04/16 08:55	10/04/16 15:51
MW-17	6J04036-03	Water	5	10/04/16 09:35	10/04/16 15:51
GW-16	6J04036-04	Water	5	10/04/16 10:15	10/04/16 15:51
GMW-66R	6J04036-05	Water	5	10/04/16 10:50	10/04/16 15:51
MW-13	6J04036-06	Water	5	10/04/16 11:35	10/04/16 15:51
GMW-56	6J04036-07	Water	5	10/04/16 12:10	10/04/16 15:51
EXP-2	6J04036-08	Water	5	10/04/16 12:50	10/04/16 15:51
DUP-1	6J04036-09	Water	5	10/04/16 00:00	10/04/16 15:51
DUP-2	6J04036-10	Water	5	10/04/16 00:00	10/04/16 15:51
MW-14	6J04036-11	Water	5	10/04/16 13:35	10/04/16 15:51
Diesel Range Organics 8015M					
EXP-3	6J04036-02	Water	5	10/04/16 08:55	10/04/16 15:51
MW-17	6J04036-03	Water	5	10/04/16 09:35	10/04/16 15:51
GW-16	6J04036-04	Water	5	10/04/16 10:15	10/04/16 15:51
GMW-66R	6J04036-05	Water	5	10/04/16 10:50	10/04/16 15:51

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: A5331950
Date Received: 10/04/16
Date Reported: 10/20/16

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
MW-13	6J04036-06	Water	5	10/04/16 11:35	10/04/16 15:51
GMW-56	6J04036-07	Water	5	10/04/16 12:10	10/04/16 15:51
EXP-2	6J04036-08	Water	5	10/04/16 12:50	10/04/16 15:51
DUP-1	6J04036-09	Water	5	10/04/16 00:00	10/04/16 15:51
DUP-2	6J04036-10	Water	5	10/04/16 00:00	10/04/16 15:51
MW-14	6J04036-11	Water	5	10/04/16 13:35	10/04/16 15:51

Gasoline Range Organics 8015M

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
EXP-3	6J04036-02	Water	5	10/04/16 08:55	10/04/16 15:51
MW-17	6J04036-03	Water	5	10/04/16 09:35	10/04/16 15:51
GW-16	6J04036-04	Water	5	10/04/16 10:15	10/04/16 15:51
GMW-66R	6J04036-05	Water	5	10/04/16 10:50	10/04/16 15:51
MW-13	6J04036-06	Water	5	10/04/16 11:35	10/04/16 15:51
GMW-56	6J04036-07	Water	5	10/04/16 12:10	10/04/16 15:51
EXP-2	6J04036-08	Water	5	10/04/16 12:50	10/04/16 15:51
DUP-1	6J04036-09	Water	5	10/04/16 00:00	10/04/16 15:51
DUP-2	6J04036-10	Water	5	10/04/16 00:00	10/04/16 15:51
MW-14	6J04036-11	Water	5	10/04/16 13:35	10/04/16 15:51

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

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: A5331950
Date Received: 10/04/16
Date Reported: 10/20/16
Units: ug/L

Date Sampled:	10/04/16	10/04/16	
Date Prepared:	10/10/16	10/10/16	
Date Analyzed:	10/10/16	10/10/16	
AA ID No:	6J04036-01	6J04036-12	
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)	**AA Project No:**	A5331950
Project No:	04-NDLA-013	**Date Received:**	10/04/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/20/16
Method:	VOCs, OXY & TPH Gasoline by GC/MS	**Units:**	ug/L

Date Sampled:	10/04/16	10/04/16	
Date Prepared:	10/10/16	10/10/16	
Date Analyzed:	10/10/16	10/10/16	
AA ID No:	6J04036-01	6J04036-12	
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)	<1.0	<1.0	1.0
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: A5331950
Date Received: 10/04/16
Date Reported: 10/20/16
Units: ug/L

Date Sampled:	10/04/16	10/04/16	
Date Prepared:	10/10/16	10/10/16	
Date Analyzed:	10/10/16	10/10/16	
AA ID No:	6J04036-01	6J04036-12	
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	111%	111%	70-140
Dibromofluoromethane	120%	129%	70-140
Toluene-d8	99%	96%	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling
Method: VOCs & OXYGENATES by GC/MS

AA Project No: A5331950
Date Received: 10/04/16
Date Reported: 10/20/16
Units: ug/L

Date Sampled:	10/04/16	10/04/16	10/04/16	10/04/16	
Date Prepared:	10/10/16	10/10/16	10/10/16	10/10/16	
Date Analyzed:	10/10/16	10/10/16	10/10/16	10/10/16	
AA ID No:	6J04036-02	6J04036-03	6J04036-04	6J04036-05	
Client ID No:	EXP-3	MW-17	GW-16	GMW-66R	
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)	**AA Project No:**	A5331950
Project No:	04-NDLA-013	**Date Received:**	10/04/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/20/16
Method:	VOCs & OXYGENATES by GC/MS	**Units:**	ug/L

Date Sampled:	10/04/16	10/04/16	10/04/16	10/04/16	
Date Prepared:	10/10/16	10/10/16	10/10/16	10/10/16	
Date Analyzed:	10/10/16	10/10/16	10/10/16	10/10/16	
AA ID No:	6J04036-02	6J04036-03	6J04036-04	6J04036-05	
Client ID No:	EXP-3	MW-17	GW-16	GMW-66R	
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)	<1.0	<1.0	<1.0	<1.0	1.0
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)	**AA Project No:**	A5331950
Project No:	04-NDLA-013	**Date Received:**	10/04/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/20/16
Method:	VOCs & OXYGENATES by GC/MS	**Units:**	ug/L

Date Sampled:	10/04/16	10/04/16	10/04/16	10/04/16	
Date Prepared:	10/10/16	10/10/16	10/10/16	10/10/16	
Date Analyzed:	10/10/16	10/10/16	10/10/16	10/10/16	
AA ID No:	6J04036-02	6J04036-03	6J04036-04	6J04036-05	
Client ID No:	EXP-3	MW-17	GW-16	GMW-66R	
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	109%	108%	107%	109%	70-140
Dibromofluoromethane	126%	129%	130%	128%	70-140
Toluene-d8	98%	98%	97%	98%	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331950
Project No:	04-NDLA-013	**Date Received:**	10/04/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/20/16
Method:	VOCs & OXYGENATES by GC/MS	**Units:**	ug/L

Date Sampled:	10/04/16	10/04/16	10/04/16	10/04/16	
Date Prepared:	10/10/16	10/10/16	10/10/16	10/10/16	
Date Analyzed:	10/10/16	10/10/16	10/10/16	10/10/16	
AA ID No:	6J04036-06	6J04036-07	6J04036-08	6J04036-09	
Client ID No:	MW-13	GMW-56	EXP-2	DUP-1	
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

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331950
Project No:	04-NDLA-013	**Date Received:**	10/04/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/20/16
Method:	VOCs & OXYGENATES by GC/MS	**Units:**	ug/L

Date Sampled:	10/04/16	10/04/16	10/04/16	10/04/16	
Date Prepared:	10/10/16	10/10/16	10/10/16	10/10/16	
Date Analyzed:	10/10/16	10/10/16	10/10/16	10/10/16	
AA ID No:	6J04036-06	6J04036-07	6J04036-08	6J04036-09	
Client ID No:	MW-13	GMW-56	EXP-2	DUP-1	
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)	<1.0	<1.0	<1.0	<1.0	1.0
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)	**AA Project No:**	A5331950
Project No:	04-NDLA-013	**Date Received:**	10/04/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/20/16
Method:	VOCs & OXYGENATES by GC/MS	**Units:**	ug/L

Date Sampled:	10/04/16	10/04/16	10/04/16	10/04/16	
Date Prepared:	10/10/16	10/10/16	10/10/16	10/10/16	
Date Analyzed:	10/10/16	10/10/16	10/10/16	10/10/16	
AA ID No:	6J04036-06	6J04036-07	6J04036-08	6J04036-09	
Client ID No:	MW-13	GMW-56	EXP-2	DUP-1	
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	109%	109%	110%	111%	70-140
Dibromofluoromethane	133%	124%	117%	121%	70-140
Toluene-d8	99%	101%	102%	99%	70-140

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331950
Project No:	04-NDLA-013	**Date Received:**	10/04/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/20/16
Method:	VOCs & OXYGENATES by GC/MS	**Units:**	ug/L

Date Sampled:	10/04/16	10/04/16	
Date Prepared:	10/10/16	10/10/16	
Date Analyzed:	10/10/16	10/10/16	
AA ID No:	6J04036-10	6J04036-11	
Client ID No:	DUP-2	MW-14	
Matrix:	Water	Water	
Dilution Factor:	1	1	MRL

8260B+OXYGENATES (EPA 8260B)

Acetone	<10	<10	10
tert-Amyl Methyl Ether (TAME)	<2.0	<2.0	2.0
Benzene	<0.50	**1.3**	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 & OXYGENATES by GC/MS

AA Project No: A5331950
Date Received: 10/04/16
Date Reported: 10/20/16
Units: ug/L

Date Sampled:	10/04/16	10/04/16	
Date Prepared:	10/10/16	10/10/16	
Date Analyzed:	10/10/16	10/10/16	
AA ID No:	6J04036-10	6J04036-11	
Client ID No:	DUP-2	MW-14	
Matrix:	Water	Water	
Dilution Factor:	1	1	MRL

8260B+OXYGENATES (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	**6.3**	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
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)	<1.0	<1.0	1.0
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
Styrene	<0.50	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	<0.50	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331950
Project No:	04-NDLA-013	**Date Received:**	10/04/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/20/16
Method:	VOCs & OXYGENATES by GC/MS	**Units:**	ug/L

Date Sampled:	10/04/16	10/04/16	
Date Prepared:	10/10/16	10/10/16	
Date Analyzed:	10/10/16	10/10/16	
AA ID No:	6J04036-10	6J04036-11	
Client ID No:	DUP-2	MW-14	
Matrix:	Water	Water	
Dilution Factor:	1	1	MRL

8260B+OXYGENATES (EPA 8260B) (continued)

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	110%	110%	70-140
Dibromofluoromethane	124%	128%	70-140
Toluene-d8	99%	98%	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331950
Project No:	04-NDLA-013	**Date Received:**	10/04/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/20/16
Method:	Diesel Range Organics by GC/FID	**Units:**	mg/L

Date Sampled:	10/04/16	10/04/16	10/04/16	10/04/16	
Date Prepared:	10/10/16	10/10/16	10/10/16	10/10/16	
Date Analyzed:	10/10/16	10/10/16	10/10/16	10/10/16	
AA ID No:	6J04036-02	6J04036-03	6J04036-04	6J04036-05	
Client ID No:	EXP-3	MW-17	GW-16	GMW-66R	
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
Surrogates					**%REC Limits**
o-Terphenyl	108%	102%	121%	118%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331950
Project No:	04-NDLA-013	**Date Received:**	10/04/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/20/16
Method:	Diesel Range Organics by GC/FID	**Units:**	mg/L

Date Sampled:	10/04/16	10/04/16	10/04/16	10/04/16	
Date Prepared:	10/10/16	10/10/16	10/10/16	10/10/16	
Date Analyzed:	10/10/16	10/10/16	10/10/16	10/11/16	
AA ID No:	6J04036-06	6J04036-07	6J04036-08	6J04036-09	
Client ID No:	MW-13	GMW-56	EXP-2	DUP-1	
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
Surrogates					**%REC Limits**
o-Terphenyl	127%	106%	107%	86%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331950
Project No:	04-NDLA-013	**Date Received:**	10/04/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/20/16
Method:	Diesel Range Organics by GC/FID	**Units:**	mg/L

Date Sampled:	10/04/16	10/04/16	
Date Prepared:	10/10/16	10/10/16	
Date Analyzed:	10/11/16	10/11/16	
AA ID No:	6J04036-10	6J04036-11	
Client ID No:	DUP-2	MW-14	
Matrix:	Water	Water	
Dilution Factor:	1	1	MRL
Diesel Range Organics 8015M (EPA 8015M)			
Diesel Range Organics as Diesel	<0.10	<0.10	0.10
Surrogates			**%REC Limits**
o-Terphenyl	92%	106%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331950
Project No:	04-NDLA-013	**Date Received:**	10/04/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/20/16
Method:	Gasoline Range Organics by GC/FID	**Units:**	ug/L

Date Sampled:	10/04/16	10/04/16	10/04/16	10/04/16	
Date Prepared:	10/05/16	10/05/16	10/05/16	10/05/16	
Date Analyzed:	10/05/16	10/05/16	10/05/16	10/05/16	
AA ID No:	6J04036-02	6J04036-03	6J04036-04	6J04036-05	
Client ID No:	EXP-3	MW-17	GW-16	GMW-66R	
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
Surrogates					**%REC Limits**
a,a,a-Trifluorotoluene	96%	94%	96%	93%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331950
Project No:	04-NDLA-013	**Date Received:**	10/04/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/20/16
Method:	Gasoline Range Organics by GC/FID	**Units:**	ug/L

Date Sampled:	10/04/16	10/04/16	10/04/16	10/04/16	
Date Prepared:	10/05/16	10/05/16	10/05/16	10/06/16	
Date Analyzed:	10/05/16	10/05/16	10/05/16	10/06/16	
AA ID No:	6J04036-06	6J04036-07	6J04036-08	6J04036-09	
Client ID No:	MW-13	GMW-56	EXP-2	DUP-1	
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
Surrogates					**%REC Limits**
a,a,a-Trifluorotoluene	95%	94%	92%	88%	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: A5331950
Date Received: 10/04/16
Date Reported: 10/20/16
Units: ug/L

Date Sampled:	10/04/16	10/04/16	
Date Prepared:	10/05/16	10/05/16	
Date Analyzed:	10/05/16	10/05/16	
AA ID No:	6J04036-10	6J04036-11	
Client ID No:	DUP-2	MW-14	
Matrix:	Water	Water	
Dilution Factor:	1	1	MRL
Gasoline Range Organics 8015M (EPA 8015M)			
Gasoline Range Organics (GRO)	<100	<100	100
Surrogates			**%REC Limits**
a,a,a-Trifluorotoluene	92%	90%	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: A5331950
Date Received: 10/04/16
Date Reported: 10/20/16

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										
Batch B6J1022 - EPA 5030B										
Blank (B6J1022-BLK1)				Prepared & Analyzed: 10/10/16						
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							

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: A5331950
Date Received: 10/04/16
Date Reported: 10/20/16

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										
Batch B6J1022 - EPA 5030B										
Blank (B6J1022-BLK1) Continued				Prepared & Analyzed: 10/10/16						
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)	<1.0	1.0	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							

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331950
Date Received: 10/04/16
Date Reported: 10/20/16

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										
Batch B6J1022 - EPA 5030B										
Blank (B6J1022-BLK1) Continued				Prepared & Analyzed: 10/10/16						
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							
Surrogate: 4-Bromofluorobenzene	*55.4*		*ug/L*	*50*		*111*	*70-140*			
Surrogate: Dibromofluoromethane	*54.5*		*ug/L*	*50*		*109*	*70-140*			
Surrogate: Toluene-d8	*52.2*		*ug/L*	*50*		*104*	*70-140*			
LCS (B6J1022-BS1)				Prepared: 10/10/16 Analyzed: 10/11/16						
Acetone	**56.8**	10	ug/L	50		114	70-130			
tert-Amyl Methyl Ether (TAME)	**21.8**	2.0	ug/L	20		109	70-130			
Benzene	**22.0**	0.50	ug/L	20		110	75-125			
Bromobenzene	**19.4**	0.50	ug/L	20		97.2	70-130			
Bromochloromethane	**22.3**	0.50	ug/L	20		112	70-130			
Bromodichloromethane	**22.3**	0.50	ug/L	20		111	75-125			
Bromoform	**17.8**	0.50	ug/L	20		89.2	75-125			
Bromomethane	**17.8**	0.50	ug/L	20		89.2	75-125			
2-Butanone (MEK)	**57.5**	10	ug/L	50		115	70-130			
tert-Butyl alcohol (TBA)	**124**	10	ug/L	100		124	70-130			
sec-Butylbenzene	**20.5**	0.50	ug/L	20		103	70-130			
tert-Butylbenzene	**22.1**	0.50	ug/L	20		110	70-130			
n-Butylbenzene	**20.4**	0.50	ug/L	20		102	70-130			
Carbon Disulfide	**41.6**	0.50	ug/L	50		83.1	70-130			
Carbon Tetrachloride	**22.7**	0.50	ug/L	20		113	75-125			
Chlorobenzene	**19.5**	0.50	ug/L	20		97.6	75-125			
Chloroethane	**23.6**	0.50	ug/L	20		118	75-125			

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331950
Date Received: 10/04/16
Date Reported: 10/20/16

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

Batch B6J1022 - EPA 5030B

LCS (B6J1022-BS1) Continued Prepared: 10/10/16 Analyzed: 10/11/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloroform	**23.6**	0.50	ug/L	20		118	75-125			
Chloromethane	**19.0**	0.50	ug/L	20		94.9	65-125			
2-Chlorotoluene	**21.6**	0.50	ug/L	20		108	70-130			
4-Chlorotoluene	**21.1**	0.50	ug/L	20		105	70-130			
1,2-Dibromo-3-chloropropane	**23.7**	1.0	ug/L	20		118	70-130			
Dibromochloromethane	**20.6**	0.50	ug/L	20		103	75-125			
1,2-Dibromoethane (EDB)	**20.7**	0.50	ug/L	20		103	70-130			
Dibromomethane	**23.7**	0.50	ug/L	20		118	70-130			
1,3-Dichlorobenzene	**20.0**	0.50	ug/L	20		100	70-130			
1,2-Dichlorobenzene	**21.2**	0.50	ug/L	20		106	70-130			
1,4-Dichlorobenzene	**19.7**	0.50	ug/L	20		98.4	75-125			
Dichlorodifluoromethane (R12)	**19.1**	0.50	ug/L	20		95.5	70-130			
1,1-Dichloroethane	**22.2**	0.50	ug/L	20		111	70-125			
1,2-Dichloroethane (EDC)	**24.3**	0.50	ug/L	20		122	75-125			
1,1-Dichloroethylene	**17.0**	0.50	ug/L	20		85.1	70-130			
trans-1,2-Dichloroethylene	**17.3**	0.50	ug/L	20		86.7	75-125			
cis-1,2-Dichloroethylene	**19.6**	0.50	ug/L	20		98.2	75-125			
1,2-Dichloropropane	**22.8**	0.50	ug/L	20		114	75-130			
2,2-Dichloropropane	**22.1**	0.50	ug/L	20		110	70-130			
1,3-Dichloropropane	**21.2**	0.50	ug/L	20		106	70-130			
cis-1,3-Dichloropropylene	**22.6**	0.50	ug/L	20		113	75-125			
trans-1,3-Dichloropropylene	**21.0**	0.50	ug/L	20		105	70-130			
1,1-Dichloropropylene	**21.0**	0.50	ug/L	20		105	70-130			
Diisopropyl ether (DIPE)	**24.2**	2.0	ug/L	20		121	70-130			
Ethylbenzene	**20.2**	0.50	ug/L	20		101	75-125			
Ethyl-tert-Butyl Ether (ETBE)	**23.1**	2.0	ug/L	20		115	70-130			
Gasoline Range Organics (GRO)	**444**	100	ug/L	500		88.8	70-130			
Hexachlorobutadiene	**19.0**	1.0	ug/L	20		95.2	70-130			
2-Hexanone (MBK)	**52.9**	10	ug/L	50		106	70-130			
Isopropylbenzene	**21.1**	0.50	ug/L	20		105	70-130			
4-Isopropyltoluene	**21.3**	1.0	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: A5331950
Date Received: 10/04/16
Date Reported: 10/20/16

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										
Batch B6J1022 - EPA 5030B										
LCS (B6J1022-BS1) Continued				Prepared: 10/10/16 Analyzed: 10/11/16						
Methyl-tert-Butyl Ether (MTBE)	**43.3**	1.0	ug/L	40		108	75-125			
Methylene Chloride	**26.0**	5.0	ug/L	20		130	75-130			
4-Methyl-2-pentanone (MIBK)	**52.3**	10	ug/L	50		105	70-130			
Naphthalene	**22.8**	2.0	ug/L	20		114	70-130			
n-Propylbenzene	**20.4**	0.50	ug/L	20		102	70-130			
Styrene	**19.2**	0.50	ug/L	20		95.8	70-130			
1,1,1,2-Tetrachloroethane	**20.8**	0.50	ug/L	20		104	70-130			
1,1,2,2-Tetrachloroethane	**22.3**	0.50	ug/L	20		111	70-135			
Tetrachloroethylene (PCE)	**16.5**	0.50	ug/L	20		82.4	75-125			
Toluene	**19.8**	0.50	ug/L	20		98.8	75-125			
1,2,3-Trichlorobenzene	**19.4**	0.50	ug/L	20		97.0	70-130			
1,2,4-Trichlorobenzene	**18.7**	0.50	ug/L	20		93.4	70-130			
1,1,1-Trichloroethane	**24.4**	0.50	ug/L	20		122	75-125			
1,1,2-Trichloroethane	**21.8**	0.50	ug/L	20		109	75-125			
Trichloroethylene (TCE)	**22.1**	0.50	ug/L	20		111	75-125			
Trichlorofluoromethane (R11)	**24.6**	0.50	ug/L	20		123	70-130			
1,2,3-Trichloropropane	**21.8**	0.50	ug/L	20		109	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**24.9**	0.50	ug/L	20		125	70-130			
1,3,5-Trimethylbenzene	**21.1**	0.50	ug/L	20		105	70-130			
1,2,4-Trimethylbenzene	**21.6**	0.50	ug/L	20		108	70-130			
Vinyl chloride	**22.7**	0.50	ug/L	20		114	75-125			
o-Xylene	**20.2**	0.50	ug/L	20		101	75-125			
m,p-Xylenes	**38.3**	1.0	ug/L	40		95.8	70-130			
Surrogate: 4-Bromofluorobenzene	*56.2*		*ug/L*	*50*		*112*	*70-140*			
Surrogate: Dibromofluoromethane	*59.3*		*ug/L*	*50*		*119*	*70-140*			
Surrogate: Toluene-d8	*52.5*		*ug/L*	*50*		*105*	*70-140*			
Matrix Spike (B6J1022-MS1)		**Source: 6J04036-02**		Prepared & Analyzed: 10/10/16						
Acetone	**60.2**	10	ug/L	50		120	70-130			
tert-Amyl Methyl Ether (TAME)	**19.2**	2.0	ug/L	20		95.8	70-130			
Benzene	**21.3**	0.50	ug/L	20		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: A5331950
Date Received: 10/04/16
Date Reported: 10/20/16

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										
Batch B6J1022 - EPA 5030B										
Matrix Spike (B6J1022-MS1) Continued	**Source: 6J04036-02**	Prepared & Analyzed: 10/10/16								
Bromobenzene	**19.7**	0.50	ug/L	20		98.6	70-130			
Bromochloromethane	**21.1**	0.50	ug/L	20		105	70-130			
Bromodichloromethane	**22.9**	0.50	ug/L	20		114	70-130			
Bromoform	**17.6**	0.50	ug/L	20		88.2	70-130			
Bromomethane	**18.8**	0.50	ug/L	20		94.0	70-130			
2-Butanone (MEK)	**57.3**	10	ug/L	50		115	70-130			
tert-Butyl alcohol (TBA)	**132**	10	ug/L	100		132	70-130			QM-07
sec-Butylbenzene	**20.9**	0.50	ug/L	20		105	70-130			
tert-Butylbenzene	**22.4**	0.50	ug/L	20		112	70-130			
n-Butylbenzene	**22.0**	0.50	ug/L	20		110	70-130			
Carbon Disulfide	**37.3**	0.50	ug/L	50		74.6	70-130			
Carbon Tetrachloride	**23.3**	0.50	ug/L	20		117	70-130			
Chlorobenzene	**19.6**	0.50	ug/L	20		98.0	70-130			
Chloroethane	**23.8**	0.50	ug/L	20		119	70-130			
Chloroform	**22.9**	0.50	ug/L	20		115	70-130			
Chloromethane	**18.5**	0.50	ug/L	20		92.4	70-130			
2-Chlorotoluene	**21.9**	0.50	ug/L	20		109	70-130			
4-Chlorotoluene	**22.0**	0.50	ug/L	20		110	70-130			
1,2-Dibromo-3-chloropropane	**25.2**	1.0	ug/L	20		126	70-130			
Dibromochloromethane	**20.7**	0.50	ug/L	20		103	70-130			
1,2-Dibromoethane (EDB)	**19.3**	0.50	ug/L	20		96.6	70-130			
Dibromomethane	**22.8**	0.50	ug/L	20		114	70-130			
1,3-Dichlorobenzene	**20.9**	0.50	ug/L	20		104	70-130			
1,2-Dichlorobenzene	**21.7**	0.50	ug/L	20		109	70-130			
1,4-Dichlorobenzene	**20.2**	0.50	ug/L	20		101	70-130			
Dichlorodifluoromethane (R12)	**18.5**	0.50	ug/L	20		92.6	70-130			
1,1-Dichloroethane	**21.2**	0.50	ug/L	20		106	70-130			
1,2-Dichloroethane (EDC)	**21.6**	0.50	ug/L	20		108	70-130			
1,1-Dichloroethylene	**16.1**	0.50	ug/L	20		80.7	70-130			
trans-1,2-Dichloroethylene	**17.1**	0.50	ug/L	20		85.6	70-130			
cis-1,2-Dichloroethylene	**18.7**	0.50	ug/L	20		93.4	70-130			

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331950
Project No:	04-NDLA-013	**Date Received:**	10/04/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/20/16

VOCs, OXY & TPH Gasoline by GC/MS - Quality Control

Batch B6J1022 - EPA 5030B

Matrix Spike (B6J1022-MS1) Continued Source: 6J04036-02 Prepared & Analyzed: 10/10/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dichloropropane	**22.9**	0.50	ug/L	20		115	70-130			
2,2-Dichloropropane	**24.5**	0.50	ug/L	20		123	70-130			
1,3-Dichloropropane	**20.6**	0.50	ug/L	20		103	70-130			
cis-1,3-Dichloropropylene	**22.0**	0.50	ug/L	20		110	70-130			
trans-1,3-Dichloropropylene	**20.0**	0.50	ug/L	20		100	70-130			
1,1-Dichloropropylene	**21.0**	0.50	ug/L	20		105	70-130			
Diisopropyl ether (DIPE)	**22.2**	2.0	ug/L	20		111	70-130			
Ethylbenzene	**20.8**	0.50	ug/L	20		104	70-130			
Ethyl-tert-Butyl Ether (ETBE)	**20.8**	2.0	ug/L	20		104	70-130			
Gasoline Range Organics (GRO)	**466**	100	ug/L	500		93.2	70-130			
Hexachlorobutadiene	**20.2**	1.0	ug/L	20		101	70-130			
2-Hexanone (MBK)	**57.7**	10	ug/L	50		115	70-130			
Isopropylbenzene	**21.7**	0.50	ug/L	20		108	70-130			
4-Isopropyltoluene	**22.6**	1.0	ug/L	20		113	70-130			
Methyl-tert-Butyl Ether (MTBE)	**41.5**	1.0	ug/L	40		104	70-130			
Methylene Chloride	**22.2**	5.0	ug/L	20		111	70-130			
4-Methyl-2-pentanone (MIBK)	**50.9**	10	ug/L	50		102	70-130			
Naphthalene	**23.0**	2.0	ug/L	20		115	70-130			
n-Propylbenzene	**21.4**	0.50	ug/L	20		107	70-130			
Styrene	**19.1**	0.50	ug/L	20		95.6	70-130			
1,1,1,2-Tetrachloroethane	**19.7**	0.50	ug/L	20		98.6	70-130			
1,1,2,2-Tetrachloroethane	**21.7**	0.50	ug/L	20		108	70-130			
Tetrachloroethylene (PCE)	**17.5**	0.50	ug/L	20		87.6	70-130			
Toluene	**19.2**	0.50	ug/L	20		96.2	70-130			
1,2,3-Trichlorobenzene	**19.0**	0.50	ug/L	20		94.8	70-130			
1,2,4-Trichlorobenzene	**19.1**	0.50	ug/L	20		95.6	70-130			
1,1,1-Trichloroethane	**23.2**	0.50	ug/L	20		116	70-130			
1,1,2-Trichloroethane	**20.5**	0.50	ug/L	20		102	70-130			
Trichloroethylene (TCE)	**21.7**	0.50	ug/L	20		109	70-130			
Trichlorofluoromethane (R11)	**23.8**	0.50	ug/L	20		119	70-130			
1,2,3-Trichloropropane	**22.2**	0.50	ug/L	20		111	70-130			

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331950
Date Received: 10/04/16
Date Reported: 10/20/16

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										
Batch B6J1022 - EPA 5030B										
Matrix Spike (B6J1022-MS1) Continued	**Source: 6J04036-02**	Prepared & Analyzed: 10/10/16								
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**21.8**	0.50	ug/L	20		109	70-130			
1,3,5-Trimethylbenzene	**22.1**	0.50	ug/L	20		110	70-130			
1,2,4-Trimethylbenzene	**22.1**	0.50	ug/L	20		110	70-130			
Vinyl chloride	**22.4**	0.50	ug/L	20		112	70-130			
o-Xylene	**20.1**	0.50	ug/L	20		100	70-130			
m,p-Xylenes	**39.2**	1.0	ug/L	40		98.0	70-130			
Surrogate: 4-Bromofluorobenzene	*54.3*		*ug/L*	*50*		*109*	*70-140*			
Surrogate: Dibromofluoromethane	*55.4*		*ug/L*	*50*		*111*	*70-140*			
Surrogate: Toluene-d8	*50.6*		*ug/L*	*50*		*101*	*70-140*			
Matrix Spike Dup (B6J1022-MSD1)	**Source: 6J04036-02**	Prepared & Analyzed: 10/10/16								
Acetone	**59.9**	10	ug/L	50		120	70-130	0.599	30	
tert-Amyl Methyl Ether (TAME)	**18.5**	2.0	ug/L	20		92.4	70-130	3.67	30	
Benzene	**21.6**	0.50	ug/L	20		108	70-130	1.31	30	
Bromobenzene	**19.6**	0.50	ug/L	20		98.2	70-130	0.356	30	
Bromochloromethane	**20.0**	0.50	ug/L	20		100	70-130	4.96	30	
Bromodichloromethane	**22.4**	0.50	ug/L	20		112	70-130	1.85	30	
Bromoform	**18.1**	0.50	ug/L	20		90.3	70-130	2.30	30	
Bromomethane	**20.6**	0.50	ug/L	20		103	70-130	9.09	30	
2-Butanone (MEK)	**48.7**	10	ug/L	50		97.5	70-130	16.1	30	
tert-Butyl alcohol (TBA)	**132**	10	ug/L	100		132	70-130	0.00756	30	QM-07
sec-Butylbenzene	**21.6**	0.50	ug/L	20		108	70-130	2.92	30	
tert-Butylbenzene	**22.7**	0.50	ug/L	20		114	70-130	1.38	30	
n-Butylbenzene	**22.5**	0.50	ug/L	20		113	70-130	2.65	30	
Carbon Disulfide	**37.9**	0.50	ug/L	50		75.7	70-130	1.46	30	
Carbon Tetrachloride	**22.9**	0.50	ug/L	20		114	70-130	1.95	30	
Chlorobenzene	**20.0**	0.50	ug/L	20		99.9	70-130	1.97	30	
Chloroethane	**23.0**	0.50	ug/L	20		115	70-130	3.42	30	
Chloroform	**22.9**	0.50	ug/L	20		115	70-130	0.131	30	
Chloromethane	**19.4**	0.50	ug/L	20		97.0	70-130	4.86	30	
2-Chlorotoluene	**22.4**	0.50	ug/L	20		112	70-130	2.22	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: A5331950
Date Received: 10/04/16
Date Reported: 10/20/16

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										
Batch B6J1022 - EPA 5030B										
Matrix Spike Dup (B6J1022-MSD1) Continued		**Source: 6J04036-02**	Prepared & Analyzed: 10/10/16							
4-Chlorotoluene	**22.7**	0.50	ug/L	20		113	70-130	2.82	30	
1,2-Dibromo-3-chloropropane	**23.9**	1.0	ug/L	20		119	70-130	5.30	30	
Dibromochloromethane	**20.2**	0.50	ug/L	20		101	70-130	2.45	30	
1,2-Dibromoethane (EDB)	**19.8**	0.50	ug/L	20		99.2	70-130	2.60	30	
Dibromomethane	**21.2**	0.50	ug/L	20		106	70-130	7.24	30	
1,3-Dichlorobenzene	**20.9**	0.50	ug/L	20		105	70-130	0.287	30	
1,2-Dichlorobenzene	**21.7**	0.50	ug/L	20		108	70-130	0.138	30	
1,4-Dichlorobenzene	**20.8**	0.50	ug/L	20		104	70-130	3.22	30	
Dichlorodifluoromethane (R12)	**18.8**	0.50	ug/L	20		94.2	70-130	1.82	30	
1,1-Dichloroethane	**20.6**	0.50	ug/L	20		103	70-130	2.83	30	
1,2-Dichloroethane (EDC)	**25.0**	0.50	ug/L	20		125	70-130	14.4	30	
1,1-Dichloroethylene	**16.4**	0.50	ug/L	20		81.9	70-130	1.48	30	
trans-1,2-Dichloroethylene	**17.7**	0.50	ug/L	20		88.4	70-130	3.28	30	
cis-1,2-Dichloroethylene	**18.5**	0.50	ug/L	20		92.6	70-130	0.968	30	
1,2-Dichloropropane	**22.8**	0.50	ug/L	20		114	70-130	0.788	30	
2,2-Dichloropropane	**23.4**	0.50	ug/L	20		117	70-130	4.93	30	
1,3-Dichloropropane	**21.4**	0.50	ug/L	20		107	70-130	3.76	30	
cis-1,3-Dichloropropylene	**21.8**	0.50	ug/L	20		109	70-130	1.14	30	
trans-1,3-Dichloropropylene	**21.4**	0.50	ug/L	20		107	70-130	6.72	30	
1,1-Dichloropropylene	**20.4**	0.50	ug/L	20		102	70-130	3.10	30	
Diisopropyl ether (DIPE)	**21.7**	2.0	ug/L	20		109	70-130	2.18	30	
Ethylbenzene	**21.3**	0.50	ug/L	20		106	70-130	2.14	30	
Ethyl-tert-Butyl Ether (ETBE)	**20.3**	2.0	ug/L	20		102	70-130	2.38	30	
Gasoline Range Organics (GRO)	**544**	100	ug/L	500		109	70-130	15.4	30	
Hexachlorobutadiene	**20.8**	1.0	ug/L	20		104	70-130	3.12	30	
2-Hexanone (MBK)	**54.5**	10	ug/L	50		109	70-130	5.77	30	
Isopropylbenzene	**21.9**	0.50	ug/L	20		109	70-130	0.918	30	
4-Isopropyltoluene	**23.1**	1.0	ug/L	20		115	70-130	1.97	30	
Methyl-tert-Butyl Ether (MTBE)	**39.7**	1.0	ug/L	40		99.3	70-130	4.31	30	
Methylene Chloride	**22.2**	5.0	ug/L	20		111	70-130	0.360	30	
4-Methyl-2-pentanone (MIBK)	**51.4**	10	ug/L	50		103	70-130	0.899	30	

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331950
Date Received: 10/04/16
Date Reported: 10/20/16

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										
Batch B6J1022 - EPA 5030B										
Matrix Spike Dup (B6J1022-MSD1) Continued		**Source: 6J04036-02**		Prepared & Analyzed: 10/10/16						
Naphthalene	**24.7**	2.0	ug/L	20		124	70-130	7.34	30	
n-Propylbenzene	**22.0**	0.50	ug/L	20		110	70-130	2.53	30	
Styrene	**19.9**	0.50	ug/L	20		99.4	70-130	3.85	30	
1,1,1,2-Tetrachloroethane	**20.0**	0.50	ug/L	20		99.9	70-130	1.26	30	
1,1,2,2-Tetrachloroethane	**21.5**	0.50	ug/L	20		108	70-130	0.833	30	
Tetrachloroethylene (PCE)	**18.9**	0.50	ug/L	20		94.4	70-130	7.42	30	
Toluene	**20.2**	0.50	ug/L	20		101	70-130	4.57	30	
1,2,3-Trichlorobenzene	**20.1**	0.50	ug/L	20		101	70-130	5.88	30	
1,2,4-Trichlorobenzene	**19.9**	0.50	ug/L	20		99.6	70-130	4.05	30	
1,1,1-Trichloroethane	**23.5**	0.50	ug/L	20		118	70-130	1.46	30	
1,1,2-Trichloroethane	**20.3**	0.50	ug/L	20		101	70-130	0.981	30	
Trichloroethylene (TCE)	**22.1**	0.50	ug/L	20		110	70-130	1.69	30	
Trichlorofluoromethane (R11)	**22.4**	0.50	ug/L	20		112	70-130	5.80	30	
1,2,3-Trichloropropane	**20.9**	0.50	ug/L	20		105	70-130	5.80	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**23.1**	0.50	ug/L	20		115	70-130	5.66	30	
1,3,5-Trimethylbenzene	**22.2**	0.50	ug/L	20		111	70-130	0.768	30	
1,2,4-Trimethylbenzene	**22.7**	0.50	ug/L	20		113	70-130	2.68	30	
Vinyl chloride	**22.7**	0.50	ug/L	20		113	70-130	1.29	30	
o-Xylene	**20.3**	0.50	ug/L	20		101	70-130	0.892	30	
m,p-Xylenes	**41.1**	1.0	ug/L	40		103	70-130	4.63	30	
Surrogate: 4-Bromofluorobenzene	*53.3*		*ug/L*	*50*		*107*	*70-140*			
Surrogate: Dibromofluoromethane	*52.3*		*ug/L*	*50*		*105*	*70-140*			
Surrogate: Toluene-d8	*50.3*		*ug/L*	*50*		*101*	*70-140*			
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1022 - EPA 5030B										
Blank (B6J1022-BLK1)				Prepared & Analyzed: 10/10/16						
Acetone	<10	10	ug/L							
tert-Amyl Methyl Ether (TAME)	<2.0	2.0	ug/L							
Benzene	<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: A5331950
Date Received: 10/04/16
Date Reported: 10/20/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1022 - EPA 5030B										
Blank (B6J1022-BLK1) Continued				Prepared & Analyzed: 10/10/16						
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							
cis-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: A5331950
Date Received: 10/04/16
Date Reported: 10/20/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1022 - EPA 5030B										
Blank (B6J1022-BLK1) Continued				Prepared & Analyzed: 10/10/16						
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)	<1.0	1.0	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							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<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: A5331950
Date Received: 10/04/16
Date Reported: 10/20/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1022 - EPA 5030B										
Blank (B6J1022-BLK1) Continued				Prepared & Analyzed: 10/10/16						
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							
Surrogate: 4-Bromofluorobenzene	*55.4*		*ug/L*	*50*		*111*	*70-140*			
Surrogate: Dibromofluoromethane	*54.5*		*ug/L*	*50*		*109*	*70-140*			
Surrogate: Toluene-d8	*52.2*		*ug/L*	*50*		*104*	*70-140*			
LCS (B6J1022-BS1)				Prepared: 10/10/16 Analyzed: 10/11/16						
Acetone	**56.8**	10	ug/L	50		114	70-130			
tert-Amyl Methyl Ether (TAME)	**21.8**	2.0	ug/L	20		109	70-130			
Benzene	**22.0**	0.50	ug/L	20		110	75-125			
Bromobenzene	**19.4**	0.50	ug/L	20		97.2	70-130			
Bromochloromethane	**22.3**	0.50	ug/L	20		112	70-130			
Bromodichloromethane	**22.3**	0.50	ug/L	20		111	75-125			
Bromoform	**17.8**	0.50	ug/L	20		89.2	75-125			
Bromomethane	**17.8**	0.50	ug/L	20		89.2	75-125			
2-Butanone (MEK)	**57.5**	10	ug/L	50		115	70-130			
tert-Butyl alcohol (TBA)	**124**	10	ug/L	100		124	70-130			
sec-Butylbenzene	**20.5**	0.50	ug/L	20		103	70-130			
tert-Butylbenzene	**22.1**	0.50	ug/L	20		110	70-130			
n-Butylbenzene	**20.4**	0.50	ug/L	20		102	70-130			
Carbon Disulfide	**41.6**	0.50	ug/L	50		83.1	70-130			
Carbon Tetrachloride	**22.7**	0.50	ug/L	20		113	75-125			
Chlorobenzene	**19.5**	0.50	ug/L	20		97.6	75-125			
Chloroethane	**23.6**	0.50	ug/L	20		118	75-125			
Chloroform	**23.6**	0.50	ug/L	20		118	75-125			
Chloromethane	**19.0**	0.50	ug/L	20		94.9	65-125			
2-Chlorotoluene	**21.6**	0.50	ug/L	20		108	70-130			
4-Chlorotoluene	**21.1**	0.50	ug/L	20		105	70-130			
1,2-Dibromo-3-chloropropane	**23.7**	1.0	ug/L	20		118	70-130			

Viorel Vasile
Operations Manager

AMERICAN ® ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331950
Date Received: 10/04/16
Date Reported: 10/20/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1022 - EPA 5030B										
LCS (B6J1022-BS1) Continued				Prepared: 10/10/16	Analyzed: 10/11/16					
Dibromochloromethane	**20.6**	0.50	ug/L	20		103	75-125			
1,2-Dibromoethane (EDB)	**20.7**	0.50	ug/L	20		103	70-130			
Dibromomethane	**23.7**	0.50	ug/L	20		118	70-130			
1,3-Dichlorobenzene	**20.0**	0.50	ug/L	20		100	70-130			
1,2-Dichlorobenzene	**21.2**	0.50	ug/L	20		106	70-130			
1,4-Dichlorobenzene	**19.7**	0.50	ug/L	20		98.4	75-125			
Dichlorodifluoromethane (R12)	**19.1**	0.50	ug/L	20		95.5	70-130			
1,1-Dichloroethane	**22.2**	0.50	ug/L	20		111	70-125			
1,2-Dichloroethane (EDC)	**24.3**	0.50	ug/L	20		122	75-125			
1,1-Dichloroethylene	**17.0**	0.50	ug/L	20		85.1	70-130			
trans-1,2-Dichloroethylene	**17.3**	0.50	ug/L	20		86.7	75-125			
cis-1,2-Dichloroethylene	**19.6**	0.50	ug/L	20		98.2	75-125			
1,2-Dichloropropane	**22.8**	0.50	ug/L	20		114	75-130			
2,2-Dichloropropane	**22.1**	0.50	ug/L	20		110	70-130			
1,3-Dichloropropane	**21.2**	0.50	ug/L	20		106	70-130			
cis-1,3-Dichloropropylene	**22.6**	0.50	ug/L	20		113	75-125			
trans-1,3-Dichloropropylene	**21.0**	0.50	ug/L	20		105	70-130			
1,1-Dichloropropylene	**21.0**	0.50	ug/L	20		105	70-130			
Diisopropyl ether (DIPE)	**24.2**	2.0	ug/L	20		121	70-130			
Ethylbenzene	**20.2**	0.50	ug/L	20		101	75-125			
Ethyl-tert-Butyl Ether (ETBE)	**23.1**	2.0	ug/L	20		115	70-130			
Hexachlorobutadiene	**19.0**	1.0	ug/L	20		95.2	70-130			
2-Hexanone (MBK)	**52.9**	10	ug/L	50		106	70-130			
Isopropylbenzene	**21.1**	0.50	ug/L	20		105	70-130			
4-Isopropyltoluene	**21.3**	1.0	ug/L	20		107	70-130			
Methyl-tert-Butyl Ether (MTBE)	**43.3**	1.0	ug/L	40		108	75-125			
Methylene Chloride	**26.0**	5.0	ug/L	20		130	75-130			
4-Methyl-2-pentanone (MIBK)	**52.3**	10	ug/L	50		105	70-130			
Naphthalene	**22.8**	2.0	ug/L	20		114	70-130			
n-Propylbenzene	**20.4**	0.50	ug/L	20		102	70-130			
Styrene	**19.2**	0.50	ug/L	20		95.8	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: A5331950
Date Received: 10/04/16
Date Reported: 10/20/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1022 - EPA 5030B										
LCS (B6J1022-BS1) Continued				Prepared: 10/10/16 Analyzed: 10/11/16						
1,1,1,2-Tetrachloroethane	**20.8**	0.50	ug/L	20		104	70-130			
1,1,2,2-Tetrachloroethane	**22.3**	0.50	ug/L	20		111	70-135			
Tetrachloroethylene (PCE)	**16.5**	0.50	ug/L	20		82.4	75-125			
Toluene	**19.8**	0.50	ug/L	20		98.8	75-125			
1,2,3-Trichlorobenzene	**19.4**	0.50	ug/L	20		97.0	70-130			
1,2,4-Trichlorobenzene	**18.7**	0.50	ug/L	20		93.4	70-130			
1,1,1-Trichloroethane	**24.4**	0.50	ug/L	20		122	75-125			
1,1,2-Trichloroethane	**21.8**	0.50	ug/L	20		109	75-125			
Trichloroethylene (TCE)	**22.1**	0.50	ug/L	20		111	75-125			
Trichlorofluoromethane (R11)	**24.6**	0.50	ug/L	20		123	70-130			
1,2,3-Trichloropropane	**21.8**	0.50	ug/L	20		109	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**24.9**	0.50	ug/L	20		125	70-130			
1,3,5-Trimethylbenzene	**21.1**	0.50	ug/L	20		105	70-130			
1,2,4-Trimethylbenzene	**21.6**	0.50	ug/L	20		108	70-130			
Vinyl chloride	**22.7**	0.50	ug/L	20		114	75-125			
o-Xylene	**20.2**	0.50	ug/L	20		101	75-125			
m,p-Xylenes	**38.3**	1.0	ug/L	40		95.8	70-130			
Surrogate: 4-Bromofluorobenzene	*56.2*		*ug/L*	*50*		*112*	*70-140*			
Surrogate: Dibromofluoromethane	*59.3*		*ug/L*	*50*		*119*	*70-140*			
Surrogate: Toluene-d8	*52.5*		*ug/L*	*50*		*105*	*70-140*			
Matrix Spike (B6J1022-MS1)		**Source: 6J04036-02**		Prepared & Analyzed: 10/10/16						
Acetone	**60.2**	10	ug/L	50	<10	120	70-130			
tert-Amyl Methyl Ether (TAME)	**19.2**	2.0	ug/L	20	<2.0	95.8	70-130			
Benzene	**21.3**	0.50	ug/L	20	<0.50	106	70-130			
Bromobenzene	**19.7**	0.50	ug/L	20	<0.50	98.6	70-130			
Bromochloromethane	**21.1**	0.50	ug/L	20	<0.50	105	70-130			
Bromodichloromethane	**22.9**	0.50	ug/L	20	<0.50	114	70-130			
Bromoform	**17.6**	0.50	ug/L	20	<0.50	88.2	70-130			
Bromomethane	**18.8**	0.50	ug/L	20	<0.50	94.0	70-130			
2-Butanone (MEK)	**57.3**	10	ug/L	50	<10	115	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: A5331950
Date Received: 10/04/16
Date Reported: 10/20/16

VOCs & OXYGENATES by GC/MS - Quality Control

Batch B6J1022 - EPA 5030B

Matrix Spike (B6J1022-MS1) Continued Source: 6J04036-02 Prepared & Analyzed: 10/10/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
tert-Butyl alcohol (TBA)	**132**	10	ug/L	100	<10	132	70-130			QM-07
sec-Butylbenzene	**20.9**	0.50	ug/L	20	<0.50	105	70-130			
tert-Butylbenzene	**22.4**	0.50	ug/L	20	<0.50	112	70-130			
n-Butylbenzene	**22.0**	0.50	ug/L	20	<0.50	110	70-130			
Carbon Disulfide	**37.3**	0.50	ug/L	50	<0.50	74.6	70-130			
Carbon Tetrachloride	**23.3**	0.50	ug/L	20	<0.50	117	70-130			
Chlorobenzene	**19.6**	0.50	ug/L	20	<0.50	98.0	70-130			
Chloroethane	**23.8**	0.50	ug/L	20	<0.50	119	70-130			
Chloroform	**22.9**	0.50	ug/L	20	<0.50	115	70-130			
Chloromethane	**18.5**	0.50	ug/L	20	<0.50	92.4	70-130			
2-Chlorotoluene	**21.9**	0.50	ug/L	20	<0.50	109	70-130			
4-Chlorotoluene	**22.0**	0.50	ug/L	20	<0.50	110	70-130			
1,2-Dibromo-3-chloropropane	**25.2**	1.0	ug/L	20	<1.0	126	70-130			
Dibromochloromethane	**20.7**	0.50	ug/L	20	<0.50	103	70-130			
1,2-Dibromoethane (EDB)	**19.3**	0.50	ug/L	20	<0.50	96.6	70-130			
Dibromomethane	**22.8**	0.50	ug/L	20	<0.50	114	70-130			
1,3-Dichlorobenzene	**20.9**	0.50	ug/L	20	<0.50	104	70-130			
1,2-Dichlorobenzene	**21.7**	0.50	ug/L	20	<0.50	109	70-130			
1,4-Dichlorobenzene	**20.2**	0.50	ug/L	20	<0.50	101	70-130			
Dichlorodifluoromethane (R12)	**18.5**	0.50	ug/L	20	<0.50	92.6	70-130			
1,1-Dichloroethane	**21.2**	0.50	ug/L	20	<0.50	106	70-130			
1,2-Dichloroethane (EDC)	**21.6**	0.50	ug/L	20	<0.50	108	70-130			
1,1-Dichloroethylene	**16.1**	0.50	ug/L	20	<0.50	80.7	70-130			
trans-1,2-Dichloroethylene	**17.1**	0.50	ug/L	20	<0.50	85.6	70-130			
cis-1,2-Dichloroethylene	**18.7**	0.50	ug/L	20	<0.50	93.4	70-130			
1,2-Dichloropropane	**22.9**	0.50	ug/L	20	<0.50	115	70-130			
2,2-Dichloropropane	**24.5**	0.50	ug/L	20	<0.50	123	70-130			
1,3-Dichloropropane	**20.6**	0.50	ug/L	20	<0.50	103	70-130			
cis-1,3-Dichloropropylene	**22.0**	0.50	ug/L	20	<0.50	110	70-130			
trans-1,3-Dichloropropylene	**20.0**	0.50	ug/L	20	<0.50	100	70-130			
1,1-Dichloropropylene	**21.0**	0.50	ug/L	20	<0.50	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: A5331950
Date Received: 10/04/16
Date Reported: 10/20/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1022 - EPA 5030B										
Matrix Spike (B6J1022-MS1) Continued	**Source: 6J04036-02**	Prepared & Analyzed: 10/10/16								
Diisopropyl ether (DIPE)	**22.2**	2.0	ug/L	20	<2.0	111	70-130			
Ethylbenzene	**20.8**	0.50	ug/L	20	<0.50	104	70-130			
Ethyl-tert-Butyl Ether (ETBE)	**20.8**	2.0	ug/L	20	<2.0	104	70-130			
Hexachlorobutadiene	**20.2**	1.0	ug/L	20	<1.0	101	70-130			
2-Hexanone (MBK)	**57.7**	10	ug/L	50	<10	115	70-130			
Isopropylbenzene	**21.7**	0.50	ug/L	20	<0.50	108	70-130			
4-Isopropyltoluene	**22.6**	1.0	ug/L	20	<1.0	113	70-130			
Methyl-tert-Butyl Ether (MTBE)	**41.5**	1.0	ug/L	40	<1.0	104	70-130			
Methylene Chloride	**22.2**	5.0	ug/L	20	<5.0	111	70-130			
4-Methyl-2-pentanone (MIBK)	**50.9**	10	ug/L	50	<10	102	70-130			
Naphthalene	**23.0**	2.0	ug/L	20	<2.0	115	70-130			
n-Propylbenzene	**21.4**	0.50	ug/L	20	<0.50	107	70-130			
Styrene	**19.1**	0.50	ug/L	20	<0.50	95.6	70-130			
1,1,1,2-Tetrachloroethane	**19.7**	0.50	ug/L	20	<0.50	98.6	70-130			
1,1,2,2-Tetrachloroethane	**21.7**	0.50	ug/L	20	<0.50	108	70-130			
Tetrachloroethylene (PCE)	**17.5**	0.50	ug/L	20	<0.50	87.6	70-130			
Toluene	**19.2**	0.50	ug/L	20	<0.50	96.2	70-130			
1,2,3-Trichlorobenzene	**19.0**	0.50	ug/L	20	<0.50	94.8	70-130			
1,2,4-Trichlorobenzene	**19.1**	0.50	ug/L	20	<0.50	95.6	70-130			
1,1,1-Trichloroethane	**23.2**	0.50	ug/L	20	<0.50	116	70-130			
1,1,2-Trichloroethane	**20.5**	0.50	ug/L	20	<0.50	102	70-130			
Trichloroethylene (TCE)	**21.7**	0.50	ug/L	20	<0.50	109	70-130			
Trichlorofluoromethane (R11)	**23.8**	0.50	ug/L	20	<0.50	119	70-130			
1,2,3-Trichloropropane	**22.2**	0.50	ug/L	20	<0.50	111	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**21.8**	0.50	ug/L	20	<0.50	109	70-130			
1,3,5-Trimethylbenzene	**22.1**	0.50	ug/L	20	<0.50	110	70-130			
1,2,4-Trimethylbenzene	**22.1**	0.50	ug/L	20	<0.50	110	70-130			
Vinyl chloride	**22.4**	0.50	ug/L	20	<0.50	112	70-130			
o-Xylene	**20.1**	0.50	ug/L	20	<0.50	100	70-130			
m,p-Xylenes	**39.2**	1.0	ug/L	40	<1.0	98.0	70-130			

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331950
Date Received: 10/04/16
Date Reported: 10/20/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1022 - EPA 5030B										
Matrix Spike (B6J1022-MS1) Continued	**Source: 6J04036-02**	Prepared & Analyzed: 10/10/16								
Surrogate: 4-Bromofluorobenzene	*54.3*		*ug/L*	*50*		*109*	*70-140*			
Surrogate: Dibromofluoromethane	*55.4*		*ug/L*	*50*		*111*	*70-140*			
Surrogate: Toluene-d8	*50.6*		*ug/L*	*50*		*101*	*70-140*			
Matrix Spike Dup (B6J1022-MSD1)	**Source: 6J04036-02**	Prepared & Analyzed: 10/10/16								
Acetone	**59.9**	10	ug/L	50	<10	120	70-130	0.599	30	
tert-Amyl Methyl Ether (TAME)	**18.5**	2.0	ug/L	20	<2.0	92.4	70-130	3.67	30	
Benzene	**21.6**	0.50	ug/L	20	<0.50	108	70-130	1.31	30	
Bromobenzene	**19.6**	0.50	ug/L	20	<0.50	98.2	70-130	0.356	30	
Bromochloromethane	**20.0**	0.50	ug/L	20	<0.50	100	70-130	4.96	30	
Bromodichloromethane	**22.4**	0.50	ug/L	20	<0.50	112	70-130	1.85	30	
Bromoform	**18.1**	0.50	ug/L	20	<0.50	90.3	70-130	2.30	30	
Bromomethane	**20.6**	0.50	ug/L	20	<0.50	103	70-130	9.09	30	
2-Butanone (MEK)	**48.7**	10	ug/L	50	<10	97.5	70-130	16.1	30	
tert-Butyl alcohol (TBA)	**132**	10	ug/L	100	<10	132	70-130	0.00756	30	QM-07
sec-Butylbenzene	**21.6**	0.50	ug/L	20	<0.50	108	70-130	2.92	30	
tert-Butylbenzene	**22.7**	0.50	ug/L	20	<0.50	114	70-130	1.38	30	
n-Butylbenzene	**22.5**	0.50	ug/L	20	<0.50	113	70-130	2.65	30	
Carbon Disulfide	**37.9**	0.50	ug/L	50	<0.50	75.7	70-130	1.46	30	
Carbon Tetrachloride	**22.9**	0.50	ug/L	20	<0.50	114	70-130	1.95	30	
Chlorobenzene	**20.0**	0.50	ug/L	20	<0.50	99.9	70-130	1.97	30	
Chloroethane	**23.0**	0.50	ug/L	20	<0.50	115	70-130	3.42	30	
Chloroform	**22.9**	0.50	ug/L	20	<0.50	115	70-130	0.131	30	
Chloromethane	**19.4**	0.50	ug/L	20	<0.50	97.0	70-130	4.86	30	
2-Chlorotoluene	**22.4**	0.50	ug/L	20	<0.50	112	70-130	2.22	30	
4-Chlorotoluene	**22.7**	0.50	ug/L	20	<0.50	113	70-130	2.82	30	
1,2-Dibromo-3-chloropropane	**23.9**	1.0	ug/L	20	<1.0	119	70-130	5.30	30	
Dibromochloromethane	**20.2**	0.50	ug/L	20	<0.50	101	70-130	2.45	30	
1,2-Dibromoethane (EDB)	**19.8**	0.50	ug/L	20	<0.50	99.2	70-130	2.60	30	
Dibromomethane	**21.2**	0.50	ug/L	20	<0.50	106	70-130	7.24	30	
1,3-Dichlorobenzene	**20.9**	0.50	ug/L	20	<0.50	105	70-130	0.287	30	
1,2-Dichlorobenzene	**21.7**	0.50	ug/L	20	<0.50	108	70-130	0.138	30	

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331950
Date Received: 10/04/16
Date Reported: 10/20/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1022 - EPA 5030B										
Matrix Spike Dup (B6J1022-MSD1) Continued	**Source: 6J04036-02**	Prepared & Analyzed: 10/10/16								
1,4-Dichlorobenzene	**20.8**	0.50	ug/L	20	<0.50	104	70-130	3.22	30	
Dichlorodifluoromethane (R12)	**18.8**	0.50	ug/L	20	<0.50	94.2	70-130	1.82	30	
1,1-Dichloroethane	**20.6**	0.50	ug/L	20	<0.50	103	70-130	2.83	30	
1,2-Dichloroethane (EDC)	**25.0**	0.50	ug/L	20	<0.50	125	70-130	14.4	30	
1,1-Dichloroethylene	**16.4**	0.50	ug/L	20	<0.50	81.9	70-130	1.48	30	
trans-1,2-Dichloroethylene	**17.7**	0.50	ug/L	20	<0.50	88.4	70-130	3.28	30	
cis-1,2-Dichloroethylene	**18.5**	0.50	ug/L	20	<0.50	92.6	70-130	0.968	30	
1,2-Dichloropropane	**22.8**	0.50	ug/L	20	<0.50	114	70-130	0.788	30	
2,2-Dichloropropane	**23.4**	0.50	ug/L	20	<0.50	117	70-130	4.93	30	
1,3-Dichloropropane	**21.4**	0.50	ug/L	20	<0.50	107	70-130	3.76	30	
cis-1,3-Dichloropropylene	**21.8**	0.50	ug/L	20	<0.50	109	70-130	1.14	30	
trans-1,3-Dichloropropylene	**21.4**	0.50	ug/L	20	<0.50	107	70-130	6.72	30	
1,1-Dichloropropylene	**20.4**	0.50	ug/L	20	<0.50	102	70-130	3.10	30	
Diisopropyl ether (DIPE)	**21.7**	2.0	ug/L	20	<2.0	109	70-130	2.18	30	
Ethylbenzene	**21.3**	0.50	ug/L	20	<0.50	106	70-130	2.14	30	
Ethyl-tert-Butyl Ether (ETBE)	**20.3**	2.0	ug/L	20	<2.0	102	70-130	2.38	30	
Hexachlorobutadiene	**20.8**	1.0	ug/L	20	<1.0	104	70-130	3.12	30	
2-Hexanone (MBK)	**54.5**	10	ug/L	50	<10	109	70-130	5.77	30	
Isopropylbenzene	**21.9**	0.50	ug/L	20	<0.50	109	70-130	0.918	30	
4-Isopropyltoluene	**23.1**	1.0	ug/L	20	<1.0	115	70-130	1.97	30	
Methyl-tert-Butyl Ether (MTBE)	**39.7**	1.0	ug/L	40	<1.0	99.3	70-130	4.31	30	
Methylene Chloride	**22.2**	5.0	ug/L	20	<5.0	111	70-130	0.360	30	
4-Methyl-2-pentanone (MIBK)	**51.4**	10	ug/L	50	<10	103	70-130	0.899	30	
Naphthalene	**24.7**	2.0	ug/L	20	<2.0	124	70-130	7.34	30	
n-Propylbenzene	**22.0**	0.50	ug/L	20	<0.50	110	70-130	2.53	30	
Styrene	**19.9**	0.50	ug/L	20	<0.50	99.4	70-130	3.85	30	
1,1,1,2-Tetrachloroethane	**20.0**	0.50	ug/L	20	<0.50	99.9	70-130	1.26	30	
1,1,2,2-Tetrachloroethane	**21.5**	0.50	ug/L	20	<0.50	108	70-130	0.833	30	
Tetrachloroethylene (PCE)	**18.9**	0.50	ug/L	20	<0.50	94.4	70-130	7.42	30	
Toluene	**20.2**	0.50	ug/L	20	<0.50	101	70-130	4.57	30	
1,2,3-Trichlorobenzene	**20.1**	0.50	ug/L	20	<0.50	101	70-130	5.88	30	

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331950
Project No:	04-NDLA-013	**Date Received:**	10/04/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/20/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1022 - EPA 5030B										
Matrix Spike Dup (B6J1022-MSD1) Continued		**Source: 6J04036-02**		Prepared & Analyzed: 10/10/16						
1,2,4-Trichlorobenzene	**19.9**	0.50	ug/L	20	<0.50	99.6	70-130	4.05	30	
1,1,1-Trichloroethane	**23.5**	0.50	ug/L	20	<0.50	118	70-130	1.46	30	
1,1,2-Trichloroethane	**20.3**	0.50	ug/L	20	<0.50	101	70-130	0.981	30	
Trichloroethylene (TCE)	**22.1**	0.50	ug/L	20	<0.50	110	70-130	1.69	30	
Trichlorofluoromethane (R11)	**22.4**	0.50	ug/L	20	<0.50	112	70-130	5.80	30	
1,2,3-Trichloropropane	**20.9**	0.50	ug/L	20	<0.50	105	70-130	5.80	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**23.1**	0.50	ug/L	20	<0.50	115	70-130	5.66	30	
1,3,5-Trimethylbenzene	**22.2**	0.50	ug/L	20	<0.50	111	70-130	0.768	30	
1,2,4-Trimethylbenzene	**22.7**	0.50	ug/L	20	<0.50	113	70-130	2.68	30	
Vinyl chloride	**22.7**	0.50	ug/L	20	<0.50	113	70-130	1.29	30	
o-Xylene	**20.3**	0.50	ug/L	20	<0.50	101	70-130	0.892	30	
m,p-Xylenes	**41.1**	1.0	ug/L	40	<1.0	103	70-130	4.63	30	
Surrogate: 4-Bromofluorobenzene	*53.3*		*ug/L*	*50*		*107*	*70-140*			
Surrogate: Dibromofluoromethane	*52.3*		*ug/L*	*50*		*105*	*70-140*			
Surrogate: Toluene-d8	*50.3*		*ug/L*	*50*		*101*	*70-140*			
Diesel Range Organics by GC/FID - Quality Control										
Batch B6J1020 - EPA 3510C										
Blank (B6J1020-BLK1)				Prepared & Analyzed: 10/10/16						
Diesel Range Organics as Diesel	<0.10	0.10	mg/L							
Surrogate: o-Terphenyl	*0.0489*		*mg/L*	*0.040*		*122*	*50-150*			
LCS (B6J1020-BS1)				Prepared & Analyzed: 10/10/16						
Diesel Range Organics as Diesel	**0.811**	0.10	mg/L	0.80		101	75-125			
Surrogate: o-Terphenyl	*0.0481*		*mg/L*	*0.040*		*120*	*50-150*			
LCS Dup (B6J1020-BSD1)				Prepared & Analyzed: 10/10/16						
Diesel Range Organics as Diesel	**0.791**	0.10	mg/L	0.80		98.8	75-125	2.51	30	
Surrogate: o-Terphenyl	*0.0585*		*mg/L*	*0.040*		*146*	*50-150*			
Gasoline Range Organics by GC/FID - Quality Control										

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: A5331950
Date Received: 10/04/16
Date Reported: 10/20/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Gasoline Range Organics by GC/FID - Quality Control										
Batch B6J0534 - EPA 5030B										
Blank (B6J0534-BLK1)				Prepared & Analyzed: 10/05/16						
Gasoline Range Organics (GRO)	<100	100	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*44.1*		*ug/L*	*50*		*88.2*	*80-120*			
LCS (B6J0534-BS1)				Prepared & Analyzed: 10/05/16						
Gasoline Range Organics (GRO)	**421**	100	ug/L	500		84.1	75-125			
Surrogate: a,a,a-Trifluorotoluene	*46.6*		*ug/L*	*50*		*93.1*	*80-120*			
LCS Dup (B6J0534-BSD1)				Prepared & Analyzed: 10/05/16						
Gasoline Range Organics (GRO)	**451**	100	ug/L	500		90.2	75-125	6.98	30	
Surrogate: a,a,a-Trifluorotoluene	*48.0*		*ug/L*	*50*		*95.9*	*80-120*			
Batch B6J0623 - EPA 5030B										
Blank (B6J0623-BLK1)				Prepared & Analyzed: 10/06/16						
Gasoline Range Organics (GRO)	<100	100	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*47.1*		*ug/L*	*50*		*94.2*	*80-120*			
LCS (B6J0623-BS1)				Prepared & Analyzed: 10/06/16						
Gasoline Range Organics (GRO)	**449**	100	ug/L	500		89.8	75-125			
Surrogate: a,a,a-Trifluorotoluene	*48.4*		*ug/L*	*50*		*96.8*	*80-120*			
LCS Dup (B6J0623-BSD1)				Prepared & Analyzed: 10/06/16						
Gasoline Range Organics (GRO)	**443**	100	ug/L	500		88.7	75-125	1.29	30	
Surrogate: a,a,a-Trifluorotoluene	*47.7*		*ug/L*	*50*		*95.4*	*80-120*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331950
Project No:	04-NDLA-013	**Date Received:**	10/04/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/20/16

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 recovery.

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.: 125872
70047088
Page 1 of 1

Client:	APEX-SGI	Project Name / No.:	DFSP Norwalk	Sampler's Name:	David Wobben
Project Manager:	DAN SWENSSON	Site Address:	15306 Norwalk	Sampler's Signature:	[signature]
Phone:	1-562-597-1055	City:	NORWALK	P.O. No.:	—
Fax:	1-562-597-1020	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)

Please enter the TAT Turnaround Codes ** below

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	8260B	8015m TPH-g	8015m "D"								Special Instructions
QCTB-1	6J04036-01	10-4-16	600	GW	2	X										
EXP-3	-02	10-4-16	855	GW	7	X	X	X								
* MW-17	-03	10-4-16	935	GW	7	X	X	X								
GW-16	-04	10-4-16	1015	GW	7	X	X	X								
GMW-66R	-05	10-4-16	1050	GW	7	X	X	X								
MW-13	-06	10-4-16	1135	GW	7	X	X	X								
GMW-56	-07	10-4-16	1210	GW	7	X	X	X								
* EXP-2	-08	10-4-16	1250	GW	7	X	X	X								
DUP-1	-09	10-4-16	~~xxxx~~	GW	7	X	X	X								SAMPLE INTEGRITY
DUP-2	-10	10-4-16	xxxx	GW	7	X	X	X								INTACT Y N TEMP 5 °C
MW-14	-11	10-4-16	135	GW	7	X	X	X								
QCEB-1	-12	10-4-16	200	GW	2	X										16 OCT 4 15:51

For Laboratory Use

REVIEWED
Date 10/4/16 Time 1615
TAT N Days Sign: [signature]

A.A. Project No.: A5331950 / 6J04036

Relinquished by	Date	Time	Received by
[signature]	X 10-4-16	X 1430	X [signature]
[signature]	10/4/16	15:51	[signature]

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

October 20, 2016

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

Re : DFSP Norwalk GW Sampling / 04-NDLA-013

A5331951 / 6J06026

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 10/06/16 14:18 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 Analytics.

Sincerely,

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: A5331951
Date Received: 10/06/16
Date Reported: 10/20/16

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8260B+OXY+TPHG					
QCTB-1	6J06026-01	Water	5	10/05/16 06:00	10/06/16 14:18
QCEB-1	6J06026-15	Water	5	10/05/16 14:45	10/06/16 14:18
8260B+OXYGENATES					
GMW-40	6J06026-02	Water	5	10/05/16 08:05	10/06/16 14:18
GMW-41	6J06026-03	Water	5	10/05/16 08:40	10/06/16 14:18
GMW-20	6J06026-04	Water	5	10/05/16 09:15	10/06/16 14:18
GMW-44	6J06026-05	Water	5	10/05/16 09:50	10/06/16 14:18
DUP-3	6J06026-06	Water	5	10/05/16 00:00	10/06/16 14:18
MW-27	6J06026-07	Water	5	10/05/16 10:25	10/06/16 14:18
MW-26	6J06026-08	Water	5	10/05/16 10:55	10/06/16 14:18
MW-22 (MID)	6J06026-09	Water	5	10/05/16 11:30	10/06/16 14:18
GW-1	6J06026-10	Water	5	10/05/16 12:05	10/06/16 14:18
GW-13	6J06026-11	Water	5	10/05/16 12:50	10/06/16 14:18
GW-2	6J06026-12	Water	5	10/05/16 13:20	10/06/16 14:18
GW-3	6J06026-13	Water	5	10/05/16 13:55	10/06/16 14:18
GW-6	6J06026-14	Water	5	10/05/16 14:30	10/06/16 14:18
DUP-4	6J06026-16	Water	5	10/05/16 00:00	10/06/16 14:18
Diesel Range Organics 8015M					

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331951
Date Received: 10/06/16
Date Reported: 10/20/16

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
GMW-40	6J06026-02	Water	5	10/05/16 08:05	10/06/16 14:18
GMW-41	6J06026-03	Water	5	10/05/16 08:40	10/06/16 14:18
GMW-20	6J06026-04	Water	5	10/05/16 09:15	10/06/16 14:18
GMW-44	6J06026-05	Water	5	10/05/16 09:50	10/06/16 14:18
DUP-3	6J06026-06	Water	5	10/05/16 00:00	10/06/16 14:18
MW-27	6J06026-07	Water	5	10/05/16 10:25	10/06/16 14:18
MW-26	6J06026-08	Water	5	10/05/16 10:55	10/06/16 14:18
MW-22 (MID)	6J06026-09	Water	5	10/05/16 11:30	10/06/16 14:18
GW-1	6J06026-10	Water	5	10/05/16 12:05	10/06/16 14:18
GW-13	6J06026-11	Water	5	10/05/16 12:50	10/06/16 14:18
GW-2	6J06026-12	Water	5	10/05/16 13:20	10/06/16 14:18
GW-3	6J06026-13	Water	5	10/05/16 13:55	10/06/16 14:18
GW-6	6J06026-14	Water	5	10/05/16 14:30	10/06/16 14:18
DUP-4	6J06026-16	Water	5	10/05/16 00:00	10/06/16 14:18
Gasoline Range Organics 8015M					
GMW-40	6J06026-02	Water	5	10/05/16 08:05	10/06/16 14:18
GMW-41	6J06026-03	Water	5	10/05/16 08:40	10/06/16 14:18
GMW-20	6J06026-04	Water	5	10/05/16 09:15	10/06/16 14:18
GMW-44	6J06026-05	Water	5	10/05/16 09:50	10/06/16 14:18
DUP-3	6J06026-06	Water	5	10/05/16 00:00	10/06/16 14:18

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: A5331951
Date Received: 10/06/16
Date Reported: 10/20/16

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
MW-27	6J06026-07	Water	5	10/05/16 10:25	10/06/16 14:18
MW-26	6J06026-08	Water	5	10/05/16 10:55	10/06/16 14:18
MW-22 (MID)	6J06026-09	Water	5	10/05/16 11:30	10/06/16 14:18
GW-1	6J06026-10	Water	5	10/05/16 12:05	10/06/16 14:18
GW-13	6J06026-11	Water	5	10/05/16 12:50	10/06/16 14:18
GW-2	6J06026-12	Water	5	10/05/16 13:20	10/06/16 14:18
GW-3	6J06026-13	Water	5	10/05/16 13:55	10/06/16 14:18
GW-6	6J06026-14	Water	5	10/05/16 14:30	10/06/16 14:18
DUP-4	6J06026-16	Water	5	10/05/16 00:00	10/06/16 14:18

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331951
Project No:	04-NDLA-013	**Date Received:**	10/06/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/20/16
Method:	VOCs, OXY & TPH Gasoline by GC/MS	**Units:**	ug/L

Date Sampled:	10/05/16	10/05/16	
Date Prepared:	10/13/16	10/17/16	
Date Analyzed:	10/13/16	10/17/16	
AA ID No:	6J06026-01	6J06026-15	
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)	**AA Project No:**	A5331951
Project No:	04-NDLA-013	**Date Received:**	10/06/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/20/16
Method:	VOCs, OXY & TPH Gasoline by GC/MS	**Units:**	ug/L

Date Sampled:	10/05/16	10/05/16	
Date Prepared:	10/13/16	10/17/16	
Date Analyzed:	10/13/16	10/17/16	
AA ID No:	6J06026-01	6J06026-15	
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)	<1.0	<1.0	1.0
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)	**AA Project No:**	A5331951
Project No:	04-NDLA-013	**Date Received:**	10/06/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/20/16
Method:	VOCs, OXY & TPH Gasoline by GC/MS	**Units:**	ug/L

Date Sampled:	10/05/16	10/05/16	
Date Prepared:	10/13/16	10/17/16	
Date Analyzed:	10/13/16	10/17/16	
AA ID No:	6J06026-01	6J06026-15	
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	111%	110%	70-140
Dibromofluoromethane	116%	130%	70-140
Toluene-d8	103%	99%	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331951
Project No:	04-NDLA-013	**Date Received:**	10/06/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/20/16
Method:	VOCs & OXYGENATES by GC/MS	**Units:**	ug/L

Date Sampled:	10/05/16	10/05/16	10/05/16	10/05/16	
Date Prepared:	10/13/16	10/13/16	10/13/16	10/13/16	
Date Analyzed:	10/13/16	10/13/16	10/13/16	10/13/16	
AA ID No:	6J06026-02	6J06026-03	6J06026-04	6J06026-05	
Client ID No:	GMW-40	GMW-41	GMW-20	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)	**AA Project No:**	A5331951
Project No:	04-NDLA-013	**Date Received:**	10/06/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/20/16
Method:	VOCs & OXYGENATES by GC/MS	**Units:**	ug/L

Date Sampled:	10/05/16	10/05/16	10/05/16	10/05/16	
Date Prepared:	10/13/16	10/13/16	10/13/16	10/13/16	
Date Analyzed:	10/13/16	10/13/16	10/13/16	10/13/16	
AA ID No:	6J06026-02	6J06026-03	6J06026-04	6J06026-05	
Client ID No:	GMW-40	GMW-41	GMW-20	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)	<1.0	<1.0	<1.0	<1.0	1.0
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)	**AA Project No:**	A5331951
Project No:	04-NDLA-013	**Date Received:**	10/06/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/20/16
Method:	VOCs & OXYGENATES by GC/MS	**Units:**	ug/L

Date Sampled:	10/05/16	10/05/16	10/05/16	10/05/16	
Date Prepared:	10/13/16	10/13/16	10/13/16	10/13/16	
Date Analyzed:	10/13/16	10/13/16	10/13/16	10/13/16	
AA ID No:	6J06026-02	6J06026-03	6J06026-04	6J06026-05	
Client ID No:	GMW-40	GMW-41	GMW-20	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
Surrogates					**%REC Limits**
4-Bromofluorobenzene	109%	109%	111%	110%	70-140
Dibromofluoromethane	124%	128%	126%	128%	70-140
Toluene-d8	100%	99%	98%	101%	70-140

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331951
Project No:	04-NDLA-013	**Date Received:**	10/06/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/20/16
Method:	VOCs & OXYGENATES by GC/MS	**Units:**	ug/L

Date Sampled:	10/05/16	10/05/16	10/05/16	10/05/16	
Date Prepared:	10/13/16	10/13/16	10/13/16	10/13/16	
Date Analyzed:	10/13/16	10/13/16	10/13/16	10/13/16	
AA ID No:	6J06026-06	6J06026-07	6J06026-08	6J06026-09	
Client ID No:	DUP-3	MW-27	MW-26	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	**2.2**	**1.5**	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	**0.94**	<0.50	0.50
tert-Butylbenzene	<0.50	<0.50	**0.64**	<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:**	A5331951
Project No:	04-NDLA-013	**Date Received:**	10/06/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/20/16
Method:	VOCs & OXYGENATES by GC/MS	**Units:**	ug/L

Date Sampled:	10/05/16	10/05/16	10/05/16	10/05/16	
Date Prepared:	10/13/16	10/13/16	10/13/16	10/13/16	
Date Analyzed:	10/13/16	10/13/16	10/13/16	10/13/16	
AA ID No:	6J06026-06	6J06026-07	6J06026-08	6J06026-09	
Client ID No:	DUP-3	MW-27	MW-26	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	<0.50	**7.1**	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	**3.5**	<0.50	0.50
4-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	**3.2**	**3.1**	**1.0**	**4.4**	1.0
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	**3.8**	<2.0	2.0
n-Propylbenzene	<0.50	<0.50	**2.7**	<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

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331951
Project No:	04-NDLA-013	**Date Received:**	10/06/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/20/16
Method:	VOCs & OXYGENATES by GC/MS	**Units:**	ug/L

Date Sampled:	10/05/16	10/05/16	10/05/16	10/05/16	
Date Prepared:	10/13/16	10/13/16	10/13/16	10/13/16	
Date Analyzed:	10/13/16	10/13/16	10/13/16	10/13/16	
AA ID No:	6J06026-06	6J06026-07	6J06026-08	6J06026-09	
Client ID No:	DUP-3	MW-27	MW-26	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
Surrogates					**%REC Limits**
4-Bromofluorobenzene	113%	112%	112%	110%	70-140
Dibromofluoromethane	129%	127%	124%	120%	70-140
Toluene-d8	98%	98%	99%	103%	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331951
Project No:	04-NDLA-013	**Date Received:**	10/06/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/20/16
Method:	VOCs & OXYGENATES by GC/MS	**Units:**	ug/L

Date Sampled:	10/05/16	10/05/16	10/05/16	10/05/16	
Date Prepared:	10/13/16	10/13/16	10/13/16	10/13/16	
Date Analyzed:	10/13/16	10/13/16	10/13/16	10/13/16	
AA ID No:	6J06026-10	6J06026-11	6J06026-12	6J06026-13	
Client ID No:	GW-1	GW-13	GW-2	GW-3	
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

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331951
Project No:	04-NDLA-013	**Date Received:**	10/06/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/20/16
Method:	VOCs & OXYGENATES by GC/MS	**Units:**	ug/L

Date Sampled:	10/05/16	10/05/16	10/05/16	10/05/16	
Date Prepared:	10/13/16	10/13/16	10/13/16	10/13/16	
Date Analyzed:	10/13/16	10/13/16	10/13/16	10/13/16	
AA ID No:	6J06026-10	6J06026-11	6J06026-12	6J06026-13	
Client ID No:	GW-1	GW-13	GW-2	GW-3	
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)	**9.1**	**8.1**	**1.6**	<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)	<1.0	<1.0	<1.0	<1.0	1.0
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)	**AA Project No:**	A5331951
Project No:	04-NDLA-013	**Date Received:**	10/06/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/20/16
Method:	VOCs & OXYGENATES by GC/MS	**Units:**	ug/L

Date Sampled:	10/05/16	10/05/16	10/05/16	10/05/16	
Date Prepared:	10/13/16	10/13/16	10/13/16	10/13/16	
Date Analyzed:	10/13/16	10/13/16	10/13/16	10/13/16	
AA ID No:	6J06026-10	6J06026-11	6J06026-12	6J06026-13	
Client ID No:	GW-1	GW-13	GW-2	GW-3	
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	116%	110%	112%	115%	70-140
Dibromofluoromethane	121%	127%	123%	118%	70-140
Toluene-d8	102%	100%	100%	102%	70-140

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331951
Project No:	04-NDLA-013	**Date Received:**	10/06/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/20/16
Method:	VOCs & OXYGENATES by GC/MS	**Units:**	ug/L

Date Sampled:	10/05/16	10/05/16	
Date Prepared:	10/17/16	10/17/16	
Date Analyzed:	10/17/16	10/17/16	
AA ID No:	6J06026-14	6J06026-16	
Client ID No:	GW-6	DUP-4	
Matrix:	Water	Water	
Dilution Factor:	1	1	MRL

8260B+OXYGENATES (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

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331951
Project No:	04-NDLA-013	**Date Received:**	10/06/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/20/16
Method:	VOCs & OXYGENATES by GC/MS	**Units:**	ug/L

Date Sampled:	10/05/16	10/05/16	
Date Prepared:	10/17/16	10/17/16	
Date Analyzed:	10/17/16	10/17/16	
AA ID No:	6J06026-14	6J06026-16	
Client ID No:	GW-6	DUP-4	
Matrix:	Water	Water	
Dilution Factor:	1	1	MRL
8260B+OXYGENATES (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
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)	**1.4**	<1.0	1.0
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
Styrene	<0.50	<0.50	0.50
1,1,1,2-Tetrachloroethane	<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: A5331951
Date Received: 10/06/16
Date Reported: 10/20/16
Units: ug/L

Date Sampled:	10/05/16	10/05/16	
Date Prepared:	10/17/16	10/17/16	
Date Analyzed:	10/17/16	10/17/16	
AA ID No:	6J06026-14	6J06026-16	
Client ID No:	GW-6	DUP-4	
Matrix:	Water	Water	
Dilution Factor:	1	1	MRL
8260B+OXYGENATES (EPA 8260B) (continued)			
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	107%	113%	70-140
Dibromofluoromethane	125%	123%	70-140
Toluene-d8	98%	100%	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331951
Project No:	04-NDLA-013	**Date Received:**	10/06/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/20/16
Method:	Diesel Range Organics by GC/FID	**Units:**	mg/L

Date Sampled:	10/05/16	10/05/16	10/05/16	10/05/16	
Date Prepared:	10/11/16	10/11/16	10/11/16	10/11/16	
Date Analyzed:	10/11/16	10/11/16	10/11/16	10/11/16	
AA ID No:	6J06026-02	6J06026-03	6J06026-04	6J06026-05	
Client ID No:	GMW-40	GMW-41	GMW-20	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	**1.1**	**0.33**	<0.10	**0.17**	0.10
Surrogates					**%REC Limits**
o-Terphenyl	130%	119%	89%	97%	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: A5331951
Date Received: 10/06/16
Date Reported: 10/20/16
Units: mg/L

Date Sampled:	10/05/16	10/05/16	10/05/16	10/05/16	
Date Prepared:	10/11/16	10/11/16	10/11/16	10/11/16	
Date Analyzed:	10/11/16	10/11/16	10/12/16	10/12/16	
AA ID No:	6J06026-06	6J06026-07	6J06026-08	6J06026-09	
Client ID No:	DUP-3	MW-27	MW-26	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	**0.25**	**0.22**	**0.27**	**0.17**	0.10
Surrogates					**%REC Limits**
o-Terphenyl	103%	104%	96%	108%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331951
Project No:	04-NDLA-013	**Date Received:**	10/06/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/20/16
Method:	Diesel Range Organics by GC/FID	**Units:**	mg/L

Date Sampled:	10/05/16	10/05/16	10/05/16	10/05/16	
Date Prepared:	10/11/16	10/11/16	10/11/16	10/11/16	
Date Analyzed:	10/12/16	10/12/16	10/12/16	10/12/16	
AA ID No:	6J06026-10	6J06026-11	6J06026-12	6J06026-13	
Client ID No:	GW-1	GW-13	GW-2	GW-3	
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
Surrogates					**%REC Limits**
o-Terphenyl	93%	95%	93%	106%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331951
Project No:	04-NDLA-013	**Date Received:**	10/06/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/20/16
Method:	Diesel Range Organics by GC/FID	**Units:**	mg/L

Date Sampled:	10/05/16	10/05/16	
Date Prepared:	10/11/16	10/11/16	
Date Analyzed:	10/12/16	10/12/16	
AA ID No:	6J06026-14	6J06026-16	
Client ID No:	GW-6	DUP-4	
Matrix:	Water	Water	
Dilution Factor:	1	1	MRL
Diesel Range Organics 8015M (EPA 8015M)			
Diesel Range Organics as Diesel	**0.14**	<0.10	0.10
Surrogates			**%REC Limits**
o-Terphenyl	91%	76%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331951
Project No:	04-NDLA-013	**Date Received:**	10/06/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/20/16
Method:	Gasoline Range Organics by GC/FID	**Units:**	ug/L

Date Sampled:	10/05/16	10/05/16	10/05/16	10/05/16	
Date Prepared:	10/06/16	10/06/16	10/06/16	10/06/16	
Date Analyzed:	10/06/16	10/06/16	10/06/16	10/06/16	
AA ID No:	6J06026-02	6J06026-03	6J06026-04	6J06026-05	
Client ID No:	GMW-40	GMW-41	GMW-20	GMW-44	
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
Surrogates					**%REC Limits**
a,a,a-Trifluorotoluene	93%	86%	91%	92%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331951
Project No:	04-NDLA-013	**Date Received:**	10/06/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/20/16
Method:	Gasoline Range Organics by GC/FID	**Units:**	ug/L

Date Sampled:	10/05/16	10/05/16	10/05/16	10/05/16	
Date Prepared:	10/06/16	10/06/16	10/06/16	10/06/16	
Date Analyzed:	10/06/16	10/06/16	10/06/16	10/06/16	
AA ID No:	6J06026-06	6J06026-07	6J06026-08	6J06026-09	
Client ID No:	DUP-3	MW-27	MW-26	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	**170**	<100	100
Surrogates					**%REC Limits**
a,a,a-Trifluorotoluene	90%	92%	88%	91%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331951
Project No:	04-NDLA-013	**Date Received:**	10/06/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/20/16
Method:	Gasoline Range Organics by GC/FID	**Units:**	ug/L

Date Sampled:	10/05/16	10/05/16	10/05/16	10/05/16	
Date Prepared:	10/06/16	10/06/16	10/07/16	10/07/16	
Date Analyzed:	10/06/16	10/06/16	10/07/16	10/07/16	
AA ID No:	6J06026-10	6J06026-11	6J06026-12	6J06026-13	
Client ID No:	GW-1	GW-13	GW-2	GW-3	
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
Surrogates					**%REC Limits**
a,a,a-Trifluorotoluene	95%	91%	90%	95%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331951
Project No:	04-NDLA-013	**Date Received:**	10/06/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/20/16
Method:	Gasoline Range Organics by GC/FID	**Units:**	ug/L

Date Sampled:	10/05/16	10/05/16	
Date Prepared:	10/07/16	10/07/16	
Date Analyzed:	10/07/16	10/07/16	
AA ID No:	6J06026-14	6J06026-16	
Client ID No:	GW-6	DUP-4	
Matrix:	Water	Water	
Dilution Factor:	1	1	MRL
Gasoline Range Organics 8015M (EPA 8015M)			
Gasoline Range Organics (GRO)	<100	<100	100
Surrogates			**%REC Limits**
a,a,a-Trifluorotoluene	90%	93%	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: A5331951
Date Received: 10/06/16
Date Reported: 10/20/16

VOCs, OXY & TPH Gasoline by GC/MS - Quality Control

Batch B6J1323 - EPA 5030B

Blank (B6J1323-BLK1) Prepared & Analyzed: 10/13/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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							

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: A5331951
Date Received: 10/06/16
Date Reported: 10/20/16

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										
Batch B6J1323 - EPA 5030B										
Blank (B6J1323-BLK1) Continued				Prepared & Analyzed: 10/13/16						
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)	<1.0	1.0	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							

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: A5331951
Date Received: 10/06/16
Date Reported: 10/20/16

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										
Batch B6J1323 - EPA 5030B										
Blank (B6J1323-BLK1) Continued				Prepared & Analyzed: 10/13/16						
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							
Surrogate: 4-Bromofluorobenzene	*55.4*		*ug/L*	*50*		*111*	*70-140*			
Surrogate: Dibromofluoromethane	*62.6*		*ug/L*	*50*		*125*	*70-140*			
Surrogate: Toluene-d8	*49.3*		*ug/L*	*50*		*98.5*	*70-140*			
LCS (B6J1323-BS1)				Prepared: 10/13/16 Analyzed: 10/14/16						
Acetone	**50.8**	10	ug/L	50		102	70-130			
tert-Amyl Methyl Ether (TAME)	**17.9**	2.0	ug/L	20		89.6	70-130			
Benzene	**23.3**	0.50	ug/L	20		116	75-125			
Bromobenzene	**19.6**	0.50	ug/L	20		98.2	70-130			
Bromochloromethane	**21.8**	0.50	ug/L	20		109	70-130			
Bromodichloromethane	**23.7**	0.50	ug/L	20		118	75-125			
Bromoform	**16.1**	0.50	ug/L	20		80.3	75-125			
Bromomethane	**17.9**	0.50	ug/L	20		89.6	75-125			
2-Butanone (MEK)	**50.8**	10	ug/L	50		102	70-130			
tert-Butyl alcohol (TBA)	**108**	10	ug/L	100		108	70-130			
sec-Butylbenzene	**21.9**	0.50	ug/L	20		110	70-130			
tert-Butylbenzene	**22.5**	0.50	ug/L	20		112	70-130			
n-Butylbenzene	**22.7**	0.50	ug/L	20		113	70-130			
Carbon Disulfide	**39.5**	0.50	ug/L	50		78.9	70-130			
Carbon Tetrachloride	**25.0**	0.50	ug/L	20		125	75-125			
Chlorobenzene	**20.5**	0.50	ug/L	20		102	75-125			
Chloroethane	**20.5**	0.50	ug/L	20		102	75-125			

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331951
Date Received: 10/06/16
Date Reported: 10/20/16

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										
Batch B6J1323 - EPA 5030B										
LCS (B6J1323-BS1) Continued				Prepared: 10/13/16 Analyzed: 10/14/16						
Chloroform	**24.0**	0.50	ug/L	20		120	75-125			
Chloromethane	**20.6**	0.50	ug/L	20		103	65-125			
2-Chlorotoluene	**22.6**	0.50	ug/L	20		113	70-130			
4-Chlorotoluene	**22.6**	0.50	ug/L	20		113	70-130			
1,2-Dibromo-3-chloropropane	**21.5**	1.0	ug/L	20		108	70-130			
Dibromochloromethane	**20.9**	0.50	ug/L	20		104	75-125			
1,2-Dibromoethane (EDB)	**18.2**	0.50	ug/L	20		91.0	70-130			
Dibromomethane	**22.1**	0.50	ug/L	20		110	70-130			
1,3-Dichlorobenzene	**21.0**	0.50	ug/L	20		105	70-130			
1,2-Dichlorobenzene	**21.6**	0.50	ug/L	20		108	70-130			
1,4-Dichlorobenzene	**20.3**	0.50	ug/L	20		102	75-125			
Dichlorodifluoromethane (R12)	**20.8**	0.50	ug/L	20		104	70-130			
1,1-Dichloroethane	**21.8**	0.50	ug/L	20		109	70-125			
1,2-Dichloroethane (EDC)	**24.3**	0.50	ug/L	20		122	75-125			
1,1-Dichloroethylene	**21.6**	0.50	ug/L	20		108	70-130			
trans-1,2-Dichloroethylene	**20.3**	0.50	ug/L	20		102	75-125			
cis-1,2-Dichloroethylene	**21.0**	0.50	ug/L	20		105	75-125			
1,2-Dichloropropane	**24.0**	0.50	ug/L	20		120	75-130			
2,2-Dichloropropane	**23.8**	0.50	ug/L	20		119	70-130			
1,3-Dichloropropane	**18.7**	0.50	ug/L	20		93.6	70-130			
cis-1,3-Dichloropropylene	**19.8**	0.50	ug/L	20		98.9	75-125			
trans-1,3-Dichloropropylene	**19.1**	0.50	ug/L	20		95.4	70-130			
1,1-Dichloropropylene	**22.4**	0.50	ug/L	20		112	70-130			
Diisopropyl ether (DIPE)	**23.0**	2.0	ug/L	20		115	70-130			
Ethylbenzene	**21.5**	0.50	ug/L	20		108	75-125			
Ethyl-tert-Butyl Ether (ETBE)	**20.8**	2.0	ug/L	20		104	70-130			
Gasoline Range Organics (GRO)	**434**	100	ug/L	500		86.8	70-130			
Hexachlorobutadiene	**18.8**	1.0	ug/L	20		94.2	70-130			
2-Hexanone (MBK)	**47.7**	10	ug/L	50		95.4	70-130			
Isopropylbenzene	**22.3**	0.50	ug/L	20		112	70-130			
4-Isopropyltoluene	**23.1**	1.0	ug/L	20		115	70-130			

Viorel Vasile
Operations Manager

AMERICAN ® ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331951
Date Received: 10/06/16
Date Reported: 10/20/16

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										
Batch B6J1323 - EPA 5030B										
LCS (B6J1323-BS1) Continued				Prepared: 10/13/16 Analyzed: 10/14/16						
Methyl-tert-Butyl Ether (MTBE)	**39.2**	1.0	ug/L	40		97.9	75-125			
Methylene Chloride	**28.5**	5.0	ug/L	20		142	75-130			**
4-Methyl-2-pentanone (MIBK)	**44.0**	10	ug/L	50		88.0	70-130			
Naphthalene	**20.8**	2.0	ug/L	20		104	70-130			
n-Propylbenzene	**22.6**	0.50	ug/L	20		113	70-130			
Styrene	**19.2**	0.50	ug/L	20		96.0	70-130			
1,1,1,2-Tetrachloroethane	**19.0**	0.50	ug/L	20		94.8	70-130			
1,1,2,2-Tetrachloroethane	**18.9**	0.50	ug/L	20		94.4	70-135			
Tetrachloroethylene (PCE)	**18.4**	0.50	ug/L	20		91.8	75-125			
Toluene	**20.7**	0.50	ug/L	20		104	75-125			
1,2,3-Trichlorobenzene	**18.8**	0.50	ug/L	20		93.8	70-130			
1,2,4-Trichlorobenzene	**19.1**	0.50	ug/L	20		95.6	70-130			
1,1,1-Trichloroethane	**24.0**	0.50	ug/L	20		120	75-125			
1,1,2-Trichloroethane	**19.5**	0.50	ug/L	20		97.5	75-125			
Trichloroethylene (TCE)	**22.5**	0.50	ug/L	20		113	75-125			
Trichlorofluoromethane (R11)	**25.2**	0.50	ug/L	20		126	70-130			
1,2,3-Trichloropropane	**17.7**	0.50	ug/L	20		88.5	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**23.9**	0.50	ug/L	20		120	70-130			
1,3,5-Trimethylbenzene	**22.3**	0.50	ug/L	20		112	70-130			
1,2,4-Trimethylbenzene	**23.1**	0.50	ug/L	20		116	70-130			
Vinyl chloride	**22.8**	0.50	ug/L	20		114	75-125			
o-Xylene	**20.7**	0.50	ug/L	20		104	75-125			
m,p-Xylenes	**40.8**	1.0	ug/L	40		102	70-130			
Surrogate: 4-Bromofluorobenzene	*55.3*		*ug/L*	*50*		*111*	*70-140*			
Surrogate: Dibromofluoromethane	*54.7*		*ug/L*	*50*		*109*	*70-140*			
Surrogate: Toluene-d8	*52.3*		*ug/L*	*50*		*105*	*70-140*			
Matrix Spike (B6J1323-MS1)		**Source: 6J06026-02**		Prepared & Analyzed: 10/13/16						
Acetone	**60.5**	10	ug/L	50		121	70-130			
tert-Amyl Methyl Ether (TAME)	**18.9**	2.0	ug/L	20		94.6	70-130			
Benzene	**20.9**	0.50	ug/L	20		104	70-130			

Viorel Vasile
Operations Manager

AMERICAN ® ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331951
Date Received: 10/06/16
Date Reported: 10/20/16

VOCs, OXY & TPH Gasoline by GC/MS - Quality Control

Batch B6J1323 - EPA 5030B

Matrix Spike (B6J1323-MS1) Continued Source: 6J06026-02 Prepared & Analyzed: 10/13/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Bromobenzene	**19.4**	0.50	ug/L	20		97.1	70-130			
Bromochloromethane	**19.0**	0.50	ug/L	20		95.2	70-130			
Bromodichloromethane	**22.9**	0.50	ug/L	20		114	70-130			
Bromoform	**17.0**	0.50	ug/L	20		85.0	70-130			
Bromomethane	**19.5**	0.50	ug/L	20		97.6	70-130			
2-Butanone (MEK)	**61.1**	10	ug/L	50		122	70-130			
tert-Butyl alcohol (TBA)	**118**	10	ug/L	100		118	70-130			
sec-Butylbenzene	**20.2**	0.50	ug/L	20		101	70-130			
tert-Butylbenzene	**21.3**	0.50	ug/L	20		107	70-130			
n-Butylbenzene	**21.6**	0.50	ug/L	20		108	70-130			
Carbon Disulfide	**38.4**	0.50	ug/L	50		76.7	70-130			
Carbon Tetrachloride	**22.1**	0.50	ug/L	20		110	70-130			
Chlorobenzene	**19.3**	0.50	ug/L	20		96.7	70-130			
Chloroethane	**22.9**	0.50	ug/L	20		115	70-130			
Chloroform	**22.6**	0.50	ug/L	20		113	70-130			
Chloromethane	**19.4**	0.50	ug/L	20		97.0	70-130			
2-Chlorotoluene	**21.6**	0.50	ug/L	20		108	70-130			
4-Chlorotoluene	**21.5**	0.50	ug/L	20		107	70-130			
1,2-Dibromo-3-chloropropane	**26.5**	1.0	ug/L	20		132	70-130			**
Dibromochloromethane	**21.3**	0.50	ug/L	20		106	70-130			
1,2-Dibromoethane (EDB)	**19.0**	0.50	ug/L	20		94.9	70-130			
Dibromomethane	**22.2**	0.50	ug/L	20		111	70-130			
1,3-Dichlorobenzene	**20.5**	0.50	ug/L	20		102	70-130			
1,2-Dichlorobenzene	**21.7**	0.50	ug/L	20		109	70-130			
1,4-Dichlorobenzene	**20.0**	0.50	ug/L	20		100	70-130			
Dichlorodifluoromethane (R12)	**18.9**	0.50	ug/L	20		94.4	70-130			
1,1-Dichloroethane	**22.7**	0.50	ug/L	20		113	70-130			
1,2-Dichloroethane (EDC)	**23.7**	0.50	ug/L	20		119	70-130			
1,1-Dichloroethylene	**23.4**	0.50	ug/L	20		117	70-130			
trans-1,2-Dichloroethylene	**19.0**	0.50	ug/L	20		95.2	70-130			
cis-1,2-Dichloroethylene	**19.6**	0.50	ug/L	20		97.8	70-130			

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331951
Date Received: 10/06/16
Date Reported: 10/20/16

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										
Batch B6J1323 - EPA 5030B										
Matrix Spike (B6J1323-MS1) Continued	**Source: 6J06026-02**	Prepared & Analyzed: 10/13/16								
1,2-Dichloropropane	**22.7**	0.50	ug/L	20		114	70-130			
2,2-Dichloropropane	**24.6**	0.50	ug/L	20		123	70-130			
1,3-Dichloropropane	**18.4**	0.50	ug/L	20		91.8	70-130			
cis-1,3-Dichloropropylene	**19.7**	0.50	ug/L	20		98.4	70-130			
trans-1,3-Dichloropropylene	**20.2**	0.50	ug/L	20		101	70-130			
1,1-Dichloropropylene	**20.4**	0.50	ug/L	20		102	70-130			
Diisopropyl ether (DIPE)	**22.0**	2.0	ug/L	20		110	70-130			
Ethylbenzene	**19.6**	0.50	ug/L	20		98.2	70-130			
Ethyl-tert-Butyl Ether (ETBE)	**21.1**	2.0	ug/L	20		106	70-130			
Gasoline Range Organics (GRO)	**499**	100	ug/L	500		99.8	70-130			
Hexachlorobutadiene	**18.7**	1.0	ug/L	20		93.5	70-130			
2-Hexanone (MBK)	**60.3**	10	ug/L	50		121	70-130			
Isopropylbenzene	**21.0**	0.50	ug/L	20		105	70-130			
4-Isopropyltoluene	**21.8**	1.0	ug/L	20		109	70-130			
Methyl-tert-Butyl Ether (MTBE)	**42.6**	1.0	ug/L	40	0.810	105	70-130			
Methylene Chloride	**24.7**	5.0	ug/L	20		123	70-130			
4-Methyl-2-pentanone (MIBK)	**53.7**	10	ug/L	50		107	70-130			
Naphthalene	**24.5**	2.0	ug/L	20		122	70-130			
n-Propylbenzene	**21.3**	0.50	ug/L	20		106	70-130			
Styrene	**18.7**	0.50	ug/L	20		93.4	70-130			
1,1,1,2-Tetrachloroethane	**18.1**	0.50	ug/L	20		90.3	70-130			
1,1,2,2-Tetrachloroethane	**21.3**	0.50	ug/L	20		106	70-130			
Tetrachloroethylene (PCE)	**16.3**	0.50	ug/L	20		81.4	70-130			
Toluene	**19.2**	0.50	ug/L	20		96.0	70-130			
1,2,3-Trichlorobenzene	**20.0**	0.50	ug/L	20		99.9	70-130			
1,2,4-Trichlorobenzene	**19.2**	0.50	ug/L	20		96.2	70-130			
1,1,1-Trichloroethane	**22.7**	0.50	ug/L	20		113	70-130			
1,1,2-Trichloroethane	**20.1**	0.50	ug/L	20		100	70-130			
Trichloroethylene (TCE)	**20.3**	0.50	ug/L	20		102	70-130			
Trichlorofluoromethane (R11)	**24.9**	0.50	ug/L	20		124	70-130			
1,2,3-Trichloropropane	**21.9**	0.50	ug/L	20		109	70-130			

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331951
Date Received: 10/06/16
Date Reported: 10/20/16

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										
Batch B6J1323 - EPA 5030B										
Matrix Spike (B6J1323-MS1) Continued	**Source: 6J06026-02**	Prepared & Analyzed: 10/13/16								
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**23.6**	0.50	ug/L	20		118	70-130			
1,3,5-Trimethylbenzene	**21.6**	0.50	ug/L	20		108	70-130			
1,2,4-Trimethylbenzene	**22.4**	0.50	ug/L	20		112	70-130			
Vinyl chloride	**23.3**	0.50	ug/L	20		117	70-130			
o-Xylene	**19.6**	0.50	ug/L	20		98.2	70-130			
m,p-Xylenes	**38.3**	1.0	ug/L	40		95.8	70-130			
Surrogate: 4-Bromofluorobenzene	*54.9*		*ug/L*	*50*		*110*	*70-140*			
Surrogate: Dibromofluoromethane	*51.8*		*ug/L*	*50*		*104*	*70-140*			
Surrogate: Toluene-d8	*49.0*		*ug/L*	*50*		*98.0*	*70-140*			
Matrix Spike Dup (B6J1323-MSD1)	**Source: 6J06026-02**	Prepared & Analyzed: 10/13/16								
Acetone	**61.4**	10	ug/L	50		123	70-130	1.51	30	
tert-Amyl Methyl Ether (TAME)	**19.2**	2.0	ug/L	20		95.9	70-130	1.36	30	
Benzene	**20.9**	0.50	ug/L	20		104	70-130	0.0479	30	
Bromobenzene	**18.8**	0.50	ug/L	20		94.0	70-130	3.30	30	
Bromochloromethane	**20.4**	0.50	ug/L	20		102	70-130	6.70	30	
Bromodichloromethane	**21.6**	0.50	ug/L	20		108	70-130	5.75	30	
Bromoform	**18.0**	0.50	ug/L	20		90.0	70-130	5.83	30	
Bromomethane	**18.2**	0.50	ug/L	20		91.0	70-130	7.00	30	
2-Butanone (MEK)	**56.5**	10	ug/L	50		113	70-130	7.88	30	
tert-Butyl alcohol (TBA)	**117**	10	ug/L	100		117	70-130	1.09	30	
sec-Butylbenzene	**20.3**	0.50	ug/L	20		102	70-130	0.493	30	
tert-Butylbenzene	**21.4**	0.50	ug/L	20		107	70-130	0.468	30	
n-Butylbenzene	**21.0**	0.50	ug/L	20		105	70-130	2.95	30	
Carbon Disulfide	**40.7**	0.50	ug/L	50		81.4	70-130	5.92	30	
Carbon Tetrachloride	**21.7**	0.50	ug/L	20		108	70-130	1.83	30	
Chlorobenzene	**19.0**	0.50	ug/L	20		94.8	70-130	1.93	30	
Chloroethane	**22.9**	0.50	ug/L	20		115	70-130	0.0436	30	
Chloroform	**21.5**	0.50	ug/L	20		107	70-130	5.22	30	
Chloromethane	**20.4**	0.50	ug/L	20		102	70-130	4.78	30	
2-Chlorotoluene	**21.1**	0.50	ug/L	20		106	70-130	2.38	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: A5331951
Date Received: 10/06/16
Date Reported: 10/20/16

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										
Batch B6J1323 - EPA 5030B										
Matrix Spike Dup (B6J1323-MSD1) Continued		**Source: 6J06026-02**	Prepared & Analyzed: 10/13/16							
4-Chlorotoluene	**21.0**	0.50	ug/L	20		105	70-130	2.26	30	
1,2-Dibromo-3-chloropropane	**24.9**	1.0	ug/L	20		124	70-130	6.35	30	
Dibromochloromethane	**20.6**	0.50	ug/L	20		103	70-130	3.10	30	
1,2-Dibromoethane (EDB)	**19.6**	0.50	ug/L	20		97.8	70-130	3.01	30	
Dibromomethane	**21.6**	0.50	ug/L	20		108	70-130	2.60	30	
1,3-Dichlorobenzene	**19.8**	0.50	ug/L	20		99.1	70-130	3.23	30	
1,2-Dichlorobenzene	**21.4**	0.50	ug/L	20		107	70-130	1.30	30	
1,4-Dichlorobenzene	**19.8**	0.50	ug/L	20		99.0	70-130	1.20	30	
Dichlorodifluoromethane (R12)	**18.8**	0.50	ug/L	20		94.2	70-130	0.159	30	
1,1-Dichloroethane	**21.6**	0.50	ug/L	20		108	70-130	4.70	30	
1,2-Dichloroethane (EDC)	**23.0**	0.50	ug/L	20		115	70-130	3.04	30	
1,1-Dichloroethylene	**23.9**	0.50	ug/L	20		120	70-130	2.50	30	
trans-1,2-Dichloroethylene	**19.0**	0.50	ug/L	20		95.2	70-130	0.00	30	
cis-1,2-Dichloroethylene	**18.7**	0.50	ug/L	20		93.6	70-130	4.39	30	
1,2-Dichloropropane	**21.3**	0.50	ug/L	20		106	70-130	6.55	30	
2,2-Dichloropropane	**23.3**	0.50	ug/L	20		116	70-130	5.43	30	
1,3-Dichloropropane	**19.4**	0.50	ug/L	20		97.1	70-130	5.56	30	
cis-1,3-Dichloropropylene	**19.2**	0.50	ug/L	20		96.2	70-130	2.36	30	
trans-1,3-Dichloropropylene	**20.6**	0.50	ug/L	20		103	70-130	2.45	30	
1,1-Dichloropropylene	**20.6**	0.50	ug/L	20		103	70-130	1.37	30	
Diisopropyl ether (DIPE)	**22.0**	2.0	ug/L	20		110	70-130	0.318	30	
Ethylbenzene	**20.0**	0.50	ug/L	20		99.8	70-130	1.62	30	
Ethyl-tert-Butyl Ether (ETBE)	**21.1**	2.0	ug/L	20		105	70-130	0.237	30	
Gasoline Range Organics (GRO)	**446**	100	ug/L	500		89.2	70-130	11.2	30	
Hexachlorobutadiene	**18.7**	1.0	ug/L	20		93.6	70-130	0.0535	30	
2-Hexanone (MBK)	**61.4**	10	ug/L	50		123	70-130	1.96	30	
Isopropylbenzene	**21.0**	0.50	ug/L	20		105	70-130	0.143	30	
4-Isopropyltoluene	**21.2**	1.0	ug/L	20		106	70-130	2.46	30	
Methyl-tert-Butyl Ether (MTBE)	**42.6**	1.0	ug/L	40	0.810	105	70-130	0.0235	30	
Methylene Chloride	**22.9**	5.0	ug/L	20		114	70-130	7.44	30	
4-Methyl-2-pentanone (MIBK)	**53.8**	10	ug/L	50		108	70-130	0.205	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: A5331951
Date Received: 10/06/16
Date Reported: 10/20/16

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										
Batch B6J1323 - EPA 5030B										
Matrix Spike Dup (B6J1323-MSD1) Continued		**Source: 6J06026-02**		Prepared & Analyzed: 10/13/16						
Naphthalene	**26.0**	2.0	ug/L	20		130	70-130	5.90	30	
n-Propylbenzene	**21.1**	0.50	ug/L	20		106	70-130	0.566	30	
Styrene	**18.2**	0.50	ug/L	20		91.1	70-130	2.55	30	
1,1,1,2-Tetrachloroethane	**18.0**	0.50	ug/L	20		90.2	70-130	0.111	30	
1,1,2,2-Tetrachloroethane	**21.4**	0.50	ug/L	20		107	70-130	0.796	30	
Tetrachloroethylene (PCE)	**17.2**	0.50	ug/L	20		86.2	70-130	5.72	30	
Toluene	**19.2**	0.50	ug/L	20		96.0	70-130	0.00	30	
1,2,3-Trichlorobenzene	**19.5**	0.50	ug/L	20		97.7	70-130	2.23	30	
1,2,4-Trichlorobenzene	**19.0**	0.50	ug/L	20		95.0	70-130	1.31	30	
1,1,1-Trichloroethane	**21.8**	0.50	ug/L	20		109	70-130	3.82	30	
1,1,2-Trichloroethane	**19.8**	0.50	ug/L	20		98.8	70-130	1.71	30	
Trichloroethylene (TCE)	**19.5**	0.50	ug/L	20		97.5	70-130	4.07	30	
Trichlorofluoromethane (R11)	**23.8**	0.50	ug/L	20		119	70-130	4.44	30	
1,2,3-Trichloropropane	**18.7**	0.50	ug/L	20		93.4	70-130	15.8	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**22.8**	0.50	ug/L	20		114	70-130	3.62	30	
1,3,5-Trimethylbenzene	**21.0**	0.50	ug/L	20		105	70-130	2.39	30	
1,2,4-Trimethylbenzene	**21.7**	0.50	ug/L	20		108	70-130	3.18	30	
Vinyl chloride	**23.5**	0.50	ug/L	20		118	70-130	0.726	30	
o-Xylene	**19.2**	0.50	ug/L	20		95.8	70-130	2.47	30	
m,p-Xylenes	**37.6**	1.0	ug/L	40		93.9	70-130	2.00	30	
Surrogate: 4-Bromofluorobenzene	*54.0*		*ug/L*	*50*		*108*	*70-140*			
Surrogate: Dibromofluoromethane	*49.9*		*ug/L*	*50*		*99.8*	*70-140*			
Surrogate: Toluene-d8	*49.4*		*ug/L*	*50*		*98.8*	*70-140*			
Batch B6J1723 - EPA 5030B										
Blank (B6J1723-BLK1)				Prepared & Analyzed: 10/17/16						
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							

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331951
Date Received: 10/06/16
Date Reported: 10/20/16

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

Batch B6J1723 - EPA 5030B

Blank (B6J1723-BLK1) Continued Prepared & Analyzed: 10/17/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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							
cis-1,2-Dichloroethylene	<0.50	0.50	ug/L							
1,2-Dichloropropane	<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: A5331951
Date Received: 10/06/16
Date Reported: 10/20/16

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										
Batch B6J1723 - EPA 5030B										
Blank (B6J1723-BLK1) Continued				Prepared & Analyzed: 10/17/16						
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)	<1.0	1.0	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							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331951
Date Received: 10/06/16
Date Reported: 10/20/16

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										
Batch B6J1723 - EPA 5030B										
Blank (B6J1723-BLK1) Continued				Prepared & Analyzed: 10/17/16						
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							
Surrogate: 4-Bromofluorobenzene	*55.4*		*ug/L*	*50*		*111*	*70-140*			
Surrogate: Dibromofluoromethane	*62.7*		*ug/L*	*50*		*125*	*70-140*			
Surrogate: Toluene-d8	*49.7*		*ug/L*	*50*		*99.5*	*70-140*			
LCS (B6J1723-BS1)				Prepared: 10/17/16 Analyzed: 10/18/16						
Acetone	**47.9**	10	ug/L	50		95.8	70-130			
tert-Amyl Methyl Ether (TAME)	**17.7**	2.0	ug/L	20		88.4	70-130			
Benzene	**22.7**	0.50	ug/L	20		113	75-125			
Bromobenzene	**19.0**	0.50	ug/L	20		94.9	70-130			
Bromochloromethane	**21.5**	0.50	ug/L	20		108	70-130			
Bromodichloromethane	**23.3**	0.50	ug/L	20		117	75-125			
Bromoform	**16.3**	0.50	ug/L	20		81.3	75-125			
Bromomethane	**16.5**	0.50	ug/L	20		82.6	75-125			
2-Butanone (MEK)	**46.0**	10	ug/L	50		92.0	70-130			
tert-Butyl alcohol (TBA)	**105**	10	ug/L	100		105	70-130			
sec-Butylbenzene	**21.5**	0.50	ug/L	20		108	70-130			
tert-Butylbenzene	**22.8**	0.50	ug/L	20		114	70-130			
n-Butylbenzene	**22.3**	0.50	ug/L	20		111	70-130			
Carbon Disulfide	**41.5**	0.50	ug/L	50		83.1	70-130			
Carbon Tetrachloride	**24.2**	0.50	ug/L	20		121	75-125			
Chlorobenzene	**20.3**	0.50	ug/L	20		102	75-125			
Chloroethane	**22.5**	0.50	ug/L	20		113	75-125			
Chloroform	**23.5**	0.50	ug/L	20		118	75-125			
Chloromethane	**19.7**	0.50	ug/L	20		98.4	65-125			
2-Chlorotoluene	**22.2**	0.50	ug/L	20		111	70-130			
4-Chlorotoluene	**22.1**	0.50	ug/L	20		110	70-130			
1,2-Dibromo-3-chloropropane	**20.8**	1.0	ug/L	20		104	70-130			

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Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331951
Date Received: 10/06/16
Date Reported: 10/20/16

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										
Batch B6J1723 - EPA 5030B										
LCS (B6J1723-BS1) Continued				Prepared: 10/17/16 Analyzed: 10/18/16						
Dibromochloromethane	**21.2**	0.50	ug/L	20		106	75-125			
1,2-Dibromoethane (EDB)	**18.1**	0.50	ug/L	20		90.6	70-130			
Dibromomethane	**21.8**	0.50	ug/L	20		109	70-130			
1,3-Dichlorobenzene	**20.4**	0.50	ug/L	20		102	70-130			
1,2-Dichlorobenzene	**21.1**	0.50	ug/L	20		105	70-130			
1,4-Dichlorobenzene	**19.9**	0.50	ug/L	20		99.6	75-125			
Dichlorodifluoromethane (R12)	**19.2**	0.50	ug/L	20		96.2	70-130			
1,1-Dichloroethane	**23.0**	0.50	ug/L	20		115	70-125			
1,2-Dichloroethane (EDC)	**23.6**	0.50	ug/L	20		118	75-125			
1,1-Dichloroethylene	**22.9**	0.50	ug/L	20		115	70-130			
trans-1,2-Dichloroethylene	**19.6**	0.50	ug/L	20		98.0	75-125			
cis-1,2-Dichloroethylene	**21.0**	0.50	ug/L	20		105	75-125			
1,2-Dichloropropane	**23.6**	0.50	ug/L	20		118	75-130			
2,2-Dichloropropane	**24.3**	0.50	ug/L	20		122	70-130			
1,3-Dichloropropane	**18.6**	0.50	ug/L	20		92.8	70-130			
cis-1,3-Dichloropropylene	**18.8**	0.50	ug/L	20		93.9	75-125			
trans-1,3-Dichloropropylene	**18.3**	0.50	ug/L	20		91.4	70-130			
1,1-Dichloropropylene	**23.0**	0.50	ug/L	20		115	70-130			
Diisopropyl ether (DIPE)	**22.0**	2.0	ug/L	20		110	70-130			
Ethylbenzene	**21.6**	0.50	ug/L	20		108	75-125			
Ethyl-tert-Butyl Ether (ETBE)	**20.0**	2.0	ug/L	20		100	70-130			
Gasoline Range Organics (GRO)	**486**	100	ug/L	500		97.3	70-130			
Hexachlorobutadiene	**18.9**	1.0	ug/L	20		94.4	70-130			
2-Hexanone (MBK)	**45.3**	10	ug/L	50		90.7	70-130			
Isopropylbenzene	**22.6**	0.50	ug/L	20		113	70-130			
4-Isopropyltoluene	**22.8**	1.0	ug/L	20		114	70-130			
Methyl-tert-Butyl Ether (MTBE)	**37.6**	1.0	ug/L	40		94.0	75-125			
Methylene Chloride	**24.9**	5.0	ug/L	20		124	75-130			
4-Methyl-2-pentanone (MIBK)	**43.7**	10	ug/L	50		87.5	70-130			
Naphthalene	**19.8**	2.0	ug/L	20		99.2	70-130			
n-Propylbenzene	**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: A5331951
Date Received: 10/06/16
Date Reported: 10/20/16

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										
Batch B6J1723 - EPA 5030B										
LCS (B6J1723-BS1) Continued				Prepared: 10/17/16 Analyzed: 10/18/16						
Styrene	**19.4**	0.50	ug/L	20		96.8	70-130			
1,1,1,2-Tetrachloroethane	**19.4**	0.50	ug/L	20		97.1	70-130			
1,1,2,2-Tetrachloroethane	**18.4**	0.50	ug/L	20		92.2	70-135			
Tetrachloroethylene (PCE)	**18.7**	0.50	ug/L	20		93.6	75-125			
Toluene	**21.2**	0.50	ug/L	20		106	75-125			
1,2,3-Trichlorobenzene	**18.3**	0.50	ug/L	20		91.7	70-130			
1,2,4-Trichlorobenzene	**18.4**	0.50	ug/L	20		91.8	70-130			
1,1,1-Trichloroethane	**24.4**	0.50	ug/L	20		122	75-125			
1,1,2-Trichloroethane	**19.7**	0.50	ug/L	20		98.7	75-125			
Trichloroethylene (TCE)	**22.0**	0.50	ug/L	20		110	75-125			
Trichlorofluoromethane (R11)	**24.8**	0.50	ug/L	20		124	70-130			
1,2,3-Trichloropropane	**17.3**	0.50	ug/L	20		86.6	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**24.2**	0.50	ug/L	20		121	70-130			
1,3,5-Trimethylbenzene	**22.1**	0.50	ug/L	20		111	70-130			
1,2,4-Trimethylbenzene	**22.8**	0.50	ug/L	20		114	70-130			
Vinyl chloride	**23.0**	0.50	ug/L	20		115	75-125			
o-Xylene	**21.1**	0.50	ug/L	20		105	75-125			
m,p-Xylenes	**41.0**	1.0	ug/L	40		103	70-130			
Surrogate: 4-Bromofluorobenzene	*54.5*		*ug/L*	*50*		*109*	*70-140*			
Surrogate: Dibromofluoromethane	*54.0*		*ug/L*	*50*		*108*	*70-140*			
Surrogate: Toluene-d8	*53.8*		*ug/L*	*50*		*108*	*70-140*			
Matrix Spike (B6J1723-MS1)		**Source: 6J10010-02**		Prepared & Analyzed: 10/17/16						
Acetone	**55.7**	10	ug/L	50		111	70-130			
tert-Amyl Methyl Ether (TAME)	**19.0**	2.0	ug/L	20		94.8	70-130			
Benzene	**21.2**	0.50	ug/L	20		106	70-130			
Bromobenzene	**19.4**	0.50	ug/L	20		97.2	70-130			
Bromochloromethane	**21.7**	0.50	ug/L	20		108	70-130			
Bromodichloromethane	**22.9**	0.50	ug/L	20		114	70-130			
Bromoform	**18.0**	0.50	ug/L	20		90.2	70-130			
Bromomethane	**16.9**	0.50	ug/L	20		84.7	70-130			

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AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331951
Project No:	04-NDLA-013	**Date Received:**	10/06/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/20/16

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										
Batch B6J1723 - EPA 5030B										
Matrix Spike (B6J1723-MS1) Continued Source: 6J10010-02 Prepared & Analyzed: 10/17/16										
2-Butanone (MEK)	**51.9**	10	ug/L	50		104	70-130			
tert-Butyl alcohol (TBA)	**100**	10	ug/L	100		100	70-130			
sec-Butylbenzene	**20.6**	0.50	ug/L	20		103	70-130			
tert-Butylbenzene	**22.0**	0.50	ug/L	20		110	70-130			
n-Butylbenzene	**22.0**	0.50	ug/L	20		110	70-130			
Carbon Disulfide	**45.0**	0.50	ug/L	50		90.0	70-130			
Carbon Tetrachloride	**22.6**	0.50	ug/L	20		113	70-130			
Chlorobenzene	**19.6**	0.50	ug/L	20		98.1	70-130			
Chloroethane	**19.2**	0.50	ug/L	20		96.1	70-130			
Chloroform	**22.7**	0.50	ug/L	20		114	70-130			
Chloromethane	**19.9**	0.50	ug/L	20		99.4	70-130			
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	**24.1**	1.0	ug/L	20		121	70-130			
Dibromochloromethane	**20.9**	0.50	ug/L	20		104	70-130			
1,2-Dibromoethane (EDB)	**19.4**	0.50	ug/L	20		96.8	70-130			
Dibromomethane	**22.3**	0.50	ug/L	20		111	70-130			
1,3-Dichlorobenzene	**20.2**	0.50	ug/L	20		101	70-130			
1,2-Dichlorobenzene	**21.5**	0.50	ug/L	20		108	70-130			
1,4-Dichlorobenzene	**19.9**	0.50	ug/L	20		99.4	70-130			
Dichlorodifluoromethane (R12)	**18.5**	0.50	ug/L	20		92.6	70-130			
1,1-Dichloroethane	**22.9**	0.50	ug/L	20		114	70-130			
1,2-Dichloroethane (EDC)	**23.8**	0.50	ug/L	20		119	70-130			
1,1-Dichloroethylene	**23.1**	0.50	ug/L	20		115	70-130			
trans-1,2-Dichloroethylene	**19.9**	0.50	ug/L	20		99.7	70-130			
cis-1,2-Dichloroethylene	**20.2**	0.50	ug/L	20		101	70-130			
1,2-Dichloropropane	**22.1**	0.50	ug/L	20		110	70-130			
2,2-Dichloropropane	**24.2**	0.50	ug/L	20		121	70-130			
1,3-Dichloropropane	**18.9**	0.50	ug/L	20		94.6	70-130			
cis-1,3-Dichloropropylene	**19.8**	0.50	ug/L	20		99.0	70-130			
trans-1,3-Dichloropropylene	**19.9**	0.50	ug/L	20		99.5	70-130			

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LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331951
Date Received: 10/06/16
Date Reported: 10/20/16

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										
Batch B6J1723 - EPA 5030B										
Matrix Spike (B6J1723-MS1) Continued	**Source: 6J10010-02**	Prepared & Analyzed: 10/17/16								
1,1-Dichloropropylene	**20.3**	0.50	ug/L	20		102	70-130			
Diisopropyl ether (DIPE)	**22.2**	2.0	ug/L	20		111	70-130			
Ethylbenzene	**20.0**	0.50	ug/L	20		100	70-130			
Ethyl-tert-Butyl Ether (ETBE)	**20.8**	2.0	ug/L	20		104	70-130			
Gasoline Range Organics (GRO)	**401**	100	ug/L	500		80.2	70-130			
Hexachlorobutadiene	**18.7**	1.0	ug/L	20		93.7	70-130			
2-Hexanone (MBK)	**58.8**	10	ug/L	50		118	70-130			
Isopropylbenzene	**21.5**	0.50	ug/L	20		108	70-130			
4-Isopropyltoluene	**22.2**	1.0	ug/L	20		111	70-130			
Methyl-tert-Butyl Ether (MTBE)	**41.2**	1.0	ug/L	40		103	70-130			
Methylene Chloride	**26.1**	5.0	ug/L	20	11.7	72.2	70-130			
4-Methyl-2-pentanone (MIBK)	**51.5**	10	ug/L	50		103	70-130			
Naphthalene	**24.7**	2.0	ug/L	20		123	70-130			
n-Propylbenzene	**21.5**	0.50	ug/L	20		108	70-130			
Styrene	**18.7**	0.50	ug/L	20		93.5	70-130			
1,1,1,2-Tetrachloroethane	**18.3**	0.50	ug/L	20		91.7	70-130			
1,1,2,2-Tetrachloroethane	**21.1**	0.50	ug/L	20		106	70-130			
Tetrachloroethylene (PCE)	**17.1**	0.50	ug/L	20		85.7	70-130			
Toluene	**19.2**	0.50	ug/L	20		95.8	70-130			
1,2,3-Trichlorobenzene	**19.9**	0.50	ug/L	20		99.4	70-130			
1,2,4-Trichlorobenzene	**19.1**	0.50	ug/L	20		95.6	70-130			
1,1,1-Trichloroethane	**22.3**	0.50	ug/L	20		112	70-130			
1,1,2-Trichloroethane	**19.5**	0.50	ug/L	20		97.6	70-130			
Trichloroethylene (TCE)	**20.1**	0.50	ug/L	20		100	70-130			
Trichlorofluoromethane (R11)	**23.7**	0.50	ug/L	20		118	70-130			
1,2,3-Trichloropropane	**20.8**	0.50	ug/L	20		104	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**24.0**	0.50	ug/L	20		120	70-130			
1,3,5-Trimethylbenzene	**21.7**	0.50	ug/L	20		109	70-130			
1,2,4-Trimethylbenzene	**22.3**	0.50	ug/L	20		112	70-130			
Vinyl chloride	**22.7**	0.50	ug/L	20		113	70-130			
o-Xylene	**20.0**	0.50	ug/L	20		99.8	70-130			

Viorel Vasile
Operations Manager

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LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331951
Date Received: 10/06/16
Date Reported: 10/20/16

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										
Batch B6J1723 - EPA 5030B										
Matrix Spike (B6J1723-MS1) Continued	**Source: 6J10010-02**		Prepared & Analyzed: 10/17/16							
m,p-Xylenes	**38.7**	1.0	ug/L	40		96.8	70-130			
Surrogate: 4-Bromofluorobenzene	*54.6*		*ug/L*	*50*		*109*	*70-140*			
Surrogate: Dibromofluoromethane	*53.1*		*ug/L*	*50*		*106*	*70-140*			
Surrogate: Toluene-d8	*49.0*		*ug/L*	*50*		*98.0*	*70-140*			
Matrix Spike Dup (B6J1723-MSD1)	**Source: 6J10010-02**		Prepared & Analyzed: 10/17/16							
Acetone	**57.3**	10	ug/L	50		115	70-130	2.76	30	
tert-Amyl Methyl Ether (TAME)	**19.4**	2.0	ug/L	20		96.8	70-130	2.14	30	
Benzene	**22.3**	0.50	ug/L	20		111	70-130	4.73	30	
Bromobenzene	**20.2**	0.50	ug/L	20		101	70-130	3.93	30	
Bromochloromethane	**21.4**	0.50	ug/L	20		107	70-130	1.58	30	
Bromodichloromethane	**23.6**	0.50	ug/L	20		118	70-130	3.23	30	
Bromoform	**17.6**	0.50	ug/L	20		87.8	70-130	2.70	30	
Bromomethane	**17.3**	0.50	ug/L	20		86.4	70-130	2.04	30	
2-Butanone (MEK)	**58.3**	10	ug/L	50		117	70-130	11.5	30	
tert-Butyl alcohol (TBA)	**109**	10	ug/L	100		109	70-130	8.17	30	
sec-Butylbenzene	**21.2**	0.50	ug/L	20		106	70-130	2.91	30	
tert-Butylbenzene	**22.5**	0.50	ug/L	20		113	70-130	2.65	30	
n-Butylbenzene	**22.1**	0.50	ug/L	20		110	70-130	0.227	30	
Carbon Disulfide	**40.0**	0.50	ug/L	50		80.0	70-130	11.7	30	
Carbon Tetrachloride	**23.2**	0.50	ug/L	20		116	70-130	2.93	30	
Chlorobenzene	**19.7**	0.50	ug/L	20		98.6	70-130	0.508	30	
Chloroethane	**20.6**	0.50	ug/L	20		103	70-130	6.93	30	
Chloroform	**23.2**	0.50	ug/L	20		116	70-130	1.92	30	
Chloromethane	**21.3**	0.50	ug/L	20		106	70-130	6.85	30	
2-Chlorotoluene	**22.9**	0.50	ug/L	20		115	70-130	5.88	30	
4-Chlorotoluene	**22.1**	0.50	ug/L	20		110	70-130	1.64	30	
1,2-Dibromo-3-chloropropane	**23.9**	1.0	ug/L	20		119	70-130	1.08	30	
Dibromochloromethane	**21.5**	0.50	ug/L	20		108	70-130	2.97	30	
1,2-Dibromoethane (EDB)	**20.2**	0.50	ug/L	20		101	70-130	4.35	30	
Dibromomethane	**23.7**	0.50	ug/L	20		119	70-130	6.31	30	
1,3-Dichlorobenzene	**20.8**	0.50	ug/L	20		104	70-130	3.27	30	

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331951
Date Received: 10/06/16
Date Reported: 10/20/16

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										
Batch B6J1723 - EPA 5030B										
Matrix Spike Dup (B6J1723-MSD1) Continued	**Source: 6J10010-02**	Prepared & Analyzed: 10/17/16								
1,2-Dichlorobenzene	**22.4**	0.50	ug/L	20		112	70-130	3.92	30	
1,4-Dichlorobenzene	**20.6**	0.50	ug/L	20		103	70-130	3.36	30	
Dichlorodifluoromethane (R12)	**19.0**	0.50	ug/L	20		95.2	70-130	2.71	30	
1,1-Dichloroethane	**23.3**	0.50	ug/L	20		116	70-130	1.78	30	
1,2-Dichloroethane (EDC)	**24.2**	0.50	ug/L	20		121	70-130	1.67	30	
1,1-Dichloroethylene	**23.8**	0.50	ug/L	20		119	70-130	3.11	30	
trans-1,2-Dichloroethylene	**20.3**	0.50	ug/L	20		102	70-130	1.79	30	
cis-1,2-Dichloroethylene	**20.4**	0.50	ug/L	20		102	70-130	1.03	30	
1,2-Dichloropropane	**23.8**	0.50	ug/L	20		119	70-130	7.49	30	
2,2-Dichloropropane	**23.9**	0.50	ug/L	20		120	70-130	1.25	30	
1,3-Dichloropropane	**19.3**	0.50	ug/L	20		96.6	70-130	1.99	30	
cis-1,3-Dichloropropylene	**20.3**	0.50	ug/L	20		102	70-130	2.69	30	
trans-1,3-Dichloropropylene	**20.3**	0.50	ug/L	20		101	70-130	1.79	30	
1,1-Dichloropropylene	**21.9**	0.50	ug/L	20		110	70-130	7.48	30	
Diisopropyl ether (DIPE)	**23.4**	2.0	ug/L	20		117	70-130	5.00	30	
Ethylbenzene	**20.4**	0.50	ug/L	20		102	70-130	1.73	30	
Ethyl-tert-Butyl Ether (ETBE)	**21.6**	2.0	ug/L	20		108	70-130	3.91	30	
Gasoline Range Organics (GRO)	**446**	100	ug/L	500		89.2	70-130	10.6	30	
Hexachlorobutadiene	**19.8**	1.0	ug/L	20		99.0	70-130	5.50	30	
2-Hexanone (MBK)	**56.2**	10	ug/L	50		112	70-130	4.54	30	
Isopropylbenzene	**22.2**	0.50	ug/L	20		111	70-130	3.06	30	
4-Isopropyltoluene	**22.3**	1.0	ug/L	20		112	70-130	0.539	30	
Methyl-tert-Butyl Ether (MTBE)	**43.6**	1.0	ug/L	40		109	70-130	5.59	30	
Methylene Chloride	**27.2**	5.0	ug/L	20	11.7	77.7	70-130	4.12	30	
4-Methyl-2-pentanone (MIBK)	**53.0**	10	ug/L	50		106	70-130	3.04	30	
Naphthalene	**25.7**	2.0	ug/L	20		129	70-130	4.05	30	
n-Propylbenzene	**22.2**	0.50	ug/L	20		111	70-130	3.02	30	
Styrene	**18.8**	0.50	ug/L	20		94.2	70-130	0.746	30	
1,1,1,2-Tetrachloroethane	**18.5**	0.50	ug/L	20		92.5	70-130	0.869	30	
1,1,2,2-Tetrachloroethane	**21.3**	0.50	ug/L	20		106	70-130	0.801	30	
Tetrachloroethylene (PCE)	**18.3**	0.50	ug/L	20		91.3	70-130	6.33	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: A5331951
Date Received: 10/06/16
Date Reported: 10/20/16

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										
Batch B6J1723 - EPA 5030B										
Matrix Spike Dup (B6J1723-MSD1) Continued		**Source: 6J10010-02**		Prepared & Analyzed: 10/17/16						
Toluene	**20.1**	0.50	ug/L	20		100	70-130	4.79	30	
1,2,3-Trichlorobenzene	**20.8**	0.50	ug/L	20		104	70-130	4.23	30	
1,2,4-Trichlorobenzene	**20.0**	0.50	ug/L	20		100	70-130	4.70	30	
1,1,1-Trichloroethane	**23.8**	0.50	ug/L	20		119	70-130	6.33	30	
1,1,2-Trichloroethane	**20.7**	0.50	ug/L	20		103	70-130	5.67	30	
Trichloroethylene (TCE)	**20.8**	0.50	ug/L	20		104	70-130	3.33	30	
Trichlorofluoromethane (R11)	**24.6**	0.50	ug/L	20		123	70-130	3.89	30	
1,2,3-Trichloropropane	**19.9**	0.50	ug/L	20		99.6	70-130	4.56	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**23.7**	0.50	ug/L	20		119	70-130	1.34	30	
1,3,5-Trimethylbenzene	**21.8**	0.50	ug/L	20		109	70-130	0.413	30	
1,2,4-Trimethylbenzene	**22.7**	0.50	ug/L	20		114	70-130	1.77	30	
Vinyl chloride	**23.7**	0.50	ug/L	20		119	70-130	4.48	30	
o-Xylene	**20.3**	0.50	ug/L	20		101	70-130	1.54	30	
m,p-Xylenes	**38.6**	1.0	ug/L	40		96.5	70-130	0.284	30	
Surrogate: 4-Bromofluorobenzene	*55.4*		*ug/L*	*50*		*111*	*70-140*			
Surrogate: Dibromofluoromethane	*52.8*		*ug/L*	*50*		*106*	*70-140*			
Surrogate: Toluene-d8	*48.8*		*ug/L*	*50*		*97.6*	*70-140*			
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1323 - EPA 5030B										
Blank (B6J1323-BLK1)				Prepared & Analyzed: 10/13/16						
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							

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331951
Date Received: 10/06/16
Date Reported: 10/20/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1323 - EPA 5030B										
Blank (B6J1323-BLK1) Continued				Prepared & Analyzed: 10/13/16						
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							
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							

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: A5331951
Date Received: 10/06/16
Date Reported: 10/20/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1323 - EPA 5030B										
Blank (B6J1323-BLK1) Continued				Prepared & Analyzed: 10/13/16						
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)	<1.0	1.0	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							
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							

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: A5331951
Date Received: 10/06/16
Date Reported: 10/20/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1323 - EPA 5030B										
Blank (B6J1323-BLK1) Continued				Prepared & Analyzed: 10/13/16						
Surrogate: 4-Bromofluorobenzene	*55.4*		*ug/L*	*50*		*111*	*70-140*			
Surrogate: Dibromofluoromethane	*62.6*		*ug/L*	*50*		*125*	*70-140*			
Surrogate: Toluene-d8	*49.3*		*ug/L*	*50*		*98.5*	*70-140*			
LCS (B6J1323-BS1)				Prepared: 10/13/16 Analyzed: 10/14/16						
Acetone	**50.8**	10	ug/L	50		102	70-130			
tert-Amyl Methyl Ether (TAME)	**17.9**	2.0	ug/L	20		89.6	70-130			
Benzene	**23.3**	0.50	ug/L	20		116	75-125			
Bromobenzene	**19.6**	0.50	ug/L	20		98.2	70-130			
Bromochloromethane	**21.8**	0.50	ug/L	20		109	70-130			
Bromodichloromethane	**23.7**	0.50	ug/L	20		118	75-125			
Bromoform	**16.1**	0.50	ug/L	20		80.3	75-125			
Bromomethane	**17.9**	0.50	ug/L	20		89.6	75-125			
2-Butanone (MEK)	**50.8**	10	ug/L	50		102	70-130			
tert-Butyl alcohol (TBA)	**108**	10	ug/L	100		108	70-130			
sec-Butylbenzene	**21.9**	0.50	ug/L	20		110	70-130			
tert-Butylbenzene	**22.5**	0.50	ug/L	20		112	70-130			
n-Butylbenzene	**22.7**	0.50	ug/L	20		113	70-130			
Carbon Disulfide	**39.5**	0.50	ug/L	50		78.9	70-130			
Carbon Tetrachloride	**25.0**	0.50	ug/L	20		125	75-125			
Chlorobenzene	**20.5**	0.50	ug/L	20		102	75-125			
Chloroethane	**20.5**	0.50	ug/L	20		102	75-125			
Chloroform	**24.0**	0.50	ug/L	20		120	75-125			
Chloromethane	**20.6**	0.50	ug/L	20		103	65-125			
2-Chlorotoluene	**22.6**	0.50	ug/L	20		113	70-130			
4-Chlorotoluene	**22.6**	0.50	ug/L	20		113	70-130			
1,2-Dibromo-3-chloropropane	**21.5**	1.0	ug/L	20		108	70-130			
Dibromochloromethane	**20.9**	0.50	ug/L	20		104	75-125			
1,2-Dibromoethane (EDB)	**18.2**	0.50	ug/L	20		91.0	70-130			
Dibromomethane	**22.1**	0.50	ug/L	20		110	70-130			
1,3-Dichlorobenzene	**21.0**	0.50	ug/L	20		105	70-130			
1,2-Dichlorobenzene	**21.6**	0.50	ug/L	20		108	70-130			

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331951
Project No:	04-NDLA-013	**Date Received:**	10/06/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/20/16

VOCs & OXYGENATES by GC/MS - Quality Control

Batch B6J1323 - EPA 5030B

LCS (B6J1323-BS1) Continued Prepared: 10/13/16 Analyzed: 10/14/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,4-Dichlorobenzene	**20.3**	0.50	ug/L	20		102	75-125			
Dichlorodifluoromethane (R12)	**20.8**	0.50	ug/L	20		104	70-130			
1,1-Dichloroethane	**21.8**	0.50	ug/L	20		109	70-125			
1,2-Dichloroethane (EDC)	**24.3**	0.50	ug/L	20		122	75-125			
1,1-Dichloroethylene	**21.6**	0.50	ug/L	20		108	70-130			
trans-1,2-Dichloroethylene	**20.3**	0.50	ug/L	20		102	75-125			
cis-1,2-Dichloroethylene	**21.0**	0.50	ug/L	20		105	75-125			
1,2-Dichloropropane	**24.0**	0.50	ug/L	20		120	75-130			
2,2-Dichloropropane	**23.8**	0.50	ug/L	20		119	70-130			
1,3-Dichloropropane	**18.7**	0.50	ug/L	20		93.6	70-130			
cis-1,3-Dichloropropylene	**19.8**	0.50	ug/L	20		98.9	75-125			
trans-1,3-Dichloropropylene	**19.1**	0.50	ug/L	20		95.4	70-130			
1,1-Dichloropropylene	**22.4**	0.50	ug/L	20		112	70-130			
Diisopropyl ether (DIPE)	**23.0**	2.0	ug/L	20		115	70-130			
Ethylbenzene	**21.5**	0.50	ug/L	20		108	75-125			
Ethyl-tert-Butyl Ether (ETBE)	**20.8**	2.0	ug/L	20		104	70-130			
Hexachlorobutadiene	**18.8**	1.0	ug/L	20		94.2	70-130			
2-Hexanone (MBK)	**47.7**	10	ug/L	50		95.4	70-130			
Isopropylbenzene	**22.3**	0.50	ug/L	20		112	70-130			
4-Isopropyltoluene	**23.1**	1.0	ug/L	20		115	70-130			
Methyl-tert-Butyl Ether (MTBE)	**39.2**	1.0	ug/L	40		97.9	75-125			
Methylene Chloride	**28.5**	5.0	ug/L	20		142	75-130			**
4-Methyl-2-pentanone (MIBK)	**44.0**	10	ug/L	50		88.0	70-130			
Naphthalene	**20.8**	2.0	ug/L	20		104	70-130			
n-Propylbenzene	**22.6**	0.50	ug/L	20		113	70-130			
Styrene	**19.2**	0.50	ug/L	20		96.0	70-130			
1,1,1,2-Tetrachloroethane	**19.0**	0.50	ug/L	20		94.8	70-130			
1,1,2,2-Tetrachloroethane	**18.9**	0.50	ug/L	20		94.4	70-135			
Tetrachloroethylene (PCE)	**18.4**	0.50	ug/L	20		91.8	75-125			
Toluene	**20.7**	0.50	ug/L	20		104	75-125			
1,2,3-Trichlorobenzene	**18.8**	0.50	ug/L	20		93.8	70-130			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331951
Project No:	04-NDLA-013	**Date Received:**	10/06/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/20/16

VOCs & OXYGENATES by GC/MS - Quality Control

Batch B6J1323 - EPA 5030B

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
LCS (B6J1323-BS1) Continued				Prepared: 10/13/16 Analyzed: 10/14/16						
1,2,4-Trichlorobenzene	**19.1**	0.50	ug/L	20		95.6	70-130			
1,1,1-Trichloroethane	**24.0**	0.50	ug/L	20		120	75-125			
1,1,2-Trichloroethane	**19.5**	0.50	ug/L	20		97.5	75-125			
Trichloroethylene (TCE)	**22.5**	0.50	ug/L	20		113	75-125			
Trichlorofluoromethane (R11)	**25.2**	0.50	ug/L	20		126	70-130			
1,2,3-Trichloropropane	**17.7**	0.50	ug/L	20		88.5	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**23.9**	0.50	ug/L	20		120	70-130			
1,3,5-Trimethylbenzene	**22.3**	0.50	ug/L	20		112	70-130			
1,2,4-Trimethylbenzene	**23.1**	0.50	ug/L	20		116	70-130			
Vinyl chloride	**22.8**	0.50	ug/L	20		114	75-125			
o-Xylene	**20.7**	0.50	ug/L	20		104	75-125			
m,p-Xylenes	**40.8**	1.0	ug/L	40		102	70-130			
Surrogate: 4-Bromofluorobenzene	*55.3*		*ug/L*	*50*		*111*	*70-140*			
Surrogate: Dibromofluoromethane	*54.7*		*ug/L*	*50*		*109*	*70-140*			
Surrogate: Toluene-d8	*52.3*		*ug/L*	*50*		*105*	*70-140*			
Matrix Spike (B6J1323-MS1)		**Source: 6J06026-02**		Prepared & Analyzed: 10/13/16						
Acetone	**60.5**	10	ug/L	50	<10	121	70-130			
tert-Amyl Methyl Ether (TAME)	**18.9**	2.0	ug/L	20	<2.0	94.6	70-130			
Benzene	**20.9**	0.50	ug/L	20	<0.50	104	70-130			
Bromobenzene	**19.4**	0.50	ug/L	20	<0.50	97.1	70-130			
Bromochloromethane	**19.0**	0.50	ug/L	20	<0.50	95.2	70-130			
Bromodichloromethane	**22.9**	0.50	ug/L	20	<0.50	114	70-130			
Bromoform	**17.0**	0.50	ug/L	20	<0.50	85.0	70-130			
Bromomethane	**19.5**	0.50	ug/L	20	<0.50	97.6	70-130			
2-Butanone (MEK)	**61.1**	10	ug/L	50	<10	122	70-130			
tert-Butyl alcohol (TBA)	**118**	10	ug/L	100	<10	118	70-130			
sec-Butylbenzene	**20.2**	0.50	ug/L	20	<0.50	101	70-130			
tert-Butylbenzene	**21.3**	0.50	ug/L	20	<0.50	107	70-130			
n-Butylbenzene	**21.6**	0.50	ug/L	20	<0.50	108	70-130			
Carbon Disulfide	**38.4**	0.50	ug/L	50	<0.50	76.7	70-130			

Viorel Vasile
Operations Manager

AMERICAN ® ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331951
Date Received: 10/06/16
Date Reported: 10/20/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1323 - EPA 5030B										
Matrix Spike (B6J1323-MS1) Continued	**Source: 6J06026-02**	Prepared & Analyzed: 10/13/16								
Carbon Tetrachloride	**22.1**	0.50	ug/L	20	<0.50	110	70-130			
Chlorobenzene	**19.3**	0.50	ug/L	20	<0.50	96.7	70-130			
Chloroethane	**22.9**	0.50	ug/L	20	<0.50	115	70-130			
Chloroform	**22.6**	0.50	ug/L	20	<0.50	113	70-130			
Chloromethane	**19.4**	0.50	ug/L	20	<0.50	97.0	70-130			
2-Chlorotoluene	**21.6**	0.50	ug/L	20	<0.50	108	70-130			
4-Chlorotoluene	**21.5**	0.50	ug/L	20	<0.50	107	70-130			
1,2-Dibromo-3-chloropropane	**26.5**	1.0	ug/L	20	<1.0	132	70-130			**
Dibromochloromethane	**21.3**	0.50	ug/L	20	<0.50	106	70-130			
1,2-Dibromoethane (EDB)	**19.0**	0.50	ug/L	20	<0.50	94.9	70-130			
Dibromomethane	**22.2**	0.50	ug/L	20	<0.50	111	70-130			
1,3-Dichlorobenzene	**20.5**	0.50	ug/L	20	<0.50	102	70-130			
1,2-Dichlorobenzene	**21.7**	0.50	ug/L	20	<0.50	109	70-130			
1,4-Dichlorobenzene	**20.0**	0.50	ug/L	20	<0.50	100	70-130			
Dichlorodifluoromethane (R12)	**18.9**	0.50	ug/L	20	<0.50	94.4	70-130			
1,1-Dichloroethane	**22.7**	0.50	ug/L	20	<0.50	113	70-130			
1,2-Dichloroethane (EDC)	**23.7**	0.50	ug/L	20	<0.50	119	70-130			
1,1-Dichloroethylene	**23.4**	0.50	ug/L	20	<0.50	117	70-130			
trans-1,2-Dichloroethylene	**19.0**	0.50	ug/L	20	<0.50	95.2	70-130			
cis-1,2-Dichloroethylene	**19.6**	0.50	ug/L	20	<0.50	97.8	70-130			
1,2-Dichloropropane	**22.7**	0.50	ug/L	20	<0.50	114	70-130			
2,2-Dichloropropane	**24.6**	0.50	ug/L	20	<0.50	123	70-130			
1,3-Dichloropropane	**18.4**	0.50	ug/L	20	<0.50	91.8	70-130			
cis-1,3-Dichloropropylene	**19.7**	0.50	ug/L	20	<0.50	98.4	70-130			
trans-1,3-Dichloropropylene	**20.2**	0.50	ug/L	20	<0.50	101	70-130			
1,1-Dichloropropylene	**20.4**	0.50	ug/L	20	<0.50	102	70-130			
Diisopropyl ether (DIPE)	**22.0**	2.0	ug/L	20	<2.0	110	70-130			
Ethylbenzene	**19.6**	0.50	ug/L	20	<0.50	98.2	70-130			
Ethyl-tert-Butyl Ether (ETBE)	**21.1**	2.0	ug/L	20	<2.0	106	70-130			
Hexachlorobutadiene	**18.7**	1.0	ug/L	20	<1.0	93.5	70-130			
2-Hexanone (MBK)	**60.3**	10	ug/L	50	<10	121	70-130			

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331951
Date Received: 10/06/16
Date Reported: 10/20/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1323 - EPA 5030B										
Matrix Spike (B6J1323-MS1) Continued	**Source: 6J06026-02**	Prepared & Analyzed: 10/13/16								
Isopropylbenzene	**21.0**	0.50	ug/L	20	<0.50	105	70-130			
4-Isopropyltoluene	**21.8**	1.0	ug/L	20	<1.0	109	70-130			
Methyl-tert-Butyl Ether (MTBE)	**42.6**	1.0	ug/L	40	0.810	105	70-130			
Methylene Chloride	**24.7**	5.0	ug/L	20	<5.0	123	70-130			
4-Methyl-2-pentanone (MIBK)	**53.7**	10	ug/L	50	<10	107	70-130			
Naphthalene	**24.5**	2.0	ug/L	20	<2.0	122	70-130			
n-Propylbenzene	**21.3**	0.50	ug/L	20	<0.50	106	70-130			
Styrene	**18.7**	0.50	ug/L	20	<0.50	93.4	70-130			
1,1,1,2-Tetrachloroethane	**18.1**	0.50	ug/L	20	<0.50	90.3	70-130			
1,1,2,2-Tetrachloroethane	**21.3**	0.50	ug/L	20	<0.50	106	70-130			
Tetrachloroethylene (PCE)	**16.3**	0.50	ug/L	20	<0.50	81.4	70-130			
Toluene	**19.2**	0.50	ug/L	20	<0.50	96.0	70-130			
1,2,3-Trichlorobenzene	**20.0**	0.50	ug/L	20	<0.50	99.9	70-130			
1,2,4-Trichlorobenzene	**19.2**	0.50	ug/L	20	<0.50	96.2	70-130			
1,1,1-Trichloroethane	**22.7**	0.50	ug/L	20	<0.50	113	70-130			
1,1,2-Trichloroethane	**20.1**	0.50	ug/L	20	<0.50	100	70-130			
Trichloroethylene (TCE)	**20.3**	0.50	ug/L	20	<0.50	102	70-130			
Trichlorofluoromethane (R11)	**24.9**	0.50	ug/L	20	<0.50	124	70-130			
1,2,3-Trichloropropane	**21.9**	0.50	ug/L	20	<0.50	109	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**23.6**	0.50	ug/L	20	<0.50	118	70-130			
1,3,5-Trimethylbenzene	**21.6**	0.50	ug/L	20	<0.50	108	70-130			
1,2,4-Trimethylbenzene	**22.4**	0.50	ug/L	20	<0.50	112	70-130			
Vinyl chloride	**23.3**	0.50	ug/L	20	<0.50	117	70-130			
o-Xylene	**19.6**	0.50	ug/L	20	<0.50	98.2	70-130			
m,p-Xylenes	**38.3**	1.0	ug/L	40	<1.0	95.8	70-130			
Surrogate: 4-Bromofluorobenzene	*54.9*		*ug/L*	*50*		*110*	*70-140*			
Surrogate: Dibromofluoromethane	*51.8*		*ug/L*	*50*		*104*	*70-140*			
Surrogate: Toluene-d8	*49.0*		*ug/L*	*50*		*98.0*	*70-140*			
Matrix Spike Dup (B6J1323-MSD1)	**Source: 6J06026-02**	Prepared & Analyzed: 10/13/16								
Acetone	**61.4**	10	ug/L	50	<10	123	70-130	1.51	30	

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331951
Date Received: 10/06/16
Date Reported: 10/20/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1323 - EPA 5030B										
Matrix Spike Dup (B6J1323-MSD1) Continued		**Source: 6J06026-02**	Prepared & Analyzed: 10/13/16							
tert-Amyl Methyl Ether (TAME)	**19.2**	2.0	ug/L	20	<2.0	95.9	70-130	1.36	30	
Benzene	**20.9**	0.50	ug/L	20	<0.50	104	70-130	0.0479	30	
Bromobenzene	**18.8**	0.50	ug/L	20	<0.50	94.0	70-130	3.30	30	
Bromochloromethane	**20.4**	0.50	ug/L	20	<0.50	102	70-130	6.70	30	
Bromodichloromethane	**21.6**	0.50	ug/L	20	<0.50	108	70-130	5.75	30	
Bromoform	**18.0**	0.50	ug/L	20	<0.50	90.0	70-130	5.83	30	
Bromomethane	**18.2**	0.50	ug/L	20	<0.50	91.0	70-130	7.00	30	
2-Butanone (MEK)	**56.5**	10	ug/L	50	<10	113	70-130	7.88	30	
tert-Butyl alcohol (TBA)	**117**	10	ug/L	100	<10	117	70-130	1.09	30	
sec-Butylbenzene	**20.3**	0.50	ug/L	20	<0.50	102	70-130	0.493	30	
tert-Butylbenzene	**21.4**	0.50	ug/L	20	<0.50	107	70-130	0.468	30	
n-Butylbenzene	**21.0**	0.50	ug/L	20	<0.50	105	70-130	2.95	30	
Carbon Disulfide	**40.7**	0.50	ug/L	50	<0.50	81.4	70-130	5.92	30	
Carbon Tetrachloride	**21.7**	0.50	ug/L	20	<0.50	108	70-130	1.83	30	
Chlorobenzene	**19.0**	0.50	ug/L	20	<0.50	94.8	70-130	1.93	30	
Chloroethane	**22.9**	0.50	ug/L	20	<0.50	115	70-130	0.0436	30	
Chloroform	**21.5**	0.50	ug/L	20	<0.50	107	70-130	5.22	30	
Chloromethane	**20.4**	0.50	ug/L	20	<0.50	102	70-130	4.78	30	
2-Chlorotoluene	**21.1**	0.50	ug/L	20	<0.50	106	70-130	2.38	30	
4-Chlorotoluene	**21.0**	0.50	ug/L	20	<0.50	105	70-130	2.26	30	
1,2-Dibromo-3-chloropropane	**24.9**	1.0	ug/L	20	<1.0	124	70-130	6.35	30	
Dibromochloromethane	**20.6**	0.50	ug/L	20	<0.50	103	70-130	3.10	30	
1,2-Dibromoethane (EDB)	**19.6**	0.50	ug/L	20	<0.50	97.8	70-130	3.01	30	
Dibromomethane	**21.6**	0.50	ug/L	20	<0.50	108	70-130	2.60	30	
1,3-Dichlorobenzene	**19.8**	0.50	ug/L	20	<0.50	99.1	70-130	3.23	30	
1,2-Dichlorobenzene	**21.4**	0.50	ug/L	20	<0.50	107	70-130	1.30	30	
1,4-Dichlorobenzene	**19.8**	0.50	ug/L	20	<0.50	99.0	70-130	1.20	30	
Dichlorodifluoromethane (R12)	**18.8**	0.50	ug/L	20	<0.50	94.2	70-130	0.159	30	
1,1-Dichloroethane	**21.6**	0.50	ug/L	20	<0.50	108	70-130	4.70	30	
1,2-Dichloroethane (EDC)	**23.0**	0.50	ug/L	20	<0.50	115	70-130	3.04	30	
1,1-Dichloroethylene	**23.9**	0.50	ug/L	20	<0.50	120	70-130	2.50	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: A5331951
Date Received: 10/06/16
Date Reported: 10/20/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1323 - EPA 5030B										
Matrix Spike Dup (B6J1323-MSD1) Continued	**Source: 6J06026-02**	Prepared & Analyzed: 10/13/16								
trans-1,2-Dichloroethylene	**19.0**	0.50	ug/L	20	<0.50	95.2	70-130	0.00	30	
cis-1,2-Dichloroethylene	**18.7**	0.50	ug/L	20	<0.50	93.6	70-130	4.39	30	
1,2-Dichloropropane	**21.3**	0.50	ug/L	20	<0.50	106	70-130	6.55	30	
2,2-Dichloropropane	**23.3**	0.50	ug/L	20	<0.50	116	70-130	5.43	30	
1,3-Dichloropropane	**19.4**	0.50	ug/L	20	<0.50	97.1	70-130	5.56	30	
cis-1,3-Dichloropropylene	**19.2**	0.50	ug/L	20	<0.50	96.2	70-130	2.36	30	
trans-1,3-Dichloropropylene	**20.6**	0.50	ug/L	20	<0.50	103	70-130	2.45	30	
1,1-Dichloropropylene	**20.6**	0.50	ug/L	20	<0.50	103	70-130	1.37	30	
Diisopropyl ether (DIPE)	**22.0**	2.0	ug/L	20	<2.0	110	70-130	0.318	30	
Ethylbenzene	**20.0**	0.50	ug/L	20	<0.50	99.8	70-130	1.62	30	
Ethyl-tert-Butyl Ether (ETBE)	**21.1**	2.0	ug/L	20	<2.0	105	70-130	0.237	30	
Hexachlorobutadiene	**18.7**	1.0	ug/L	20	<1.0	93.6	70-130	0.0535	30	
2-Hexanone (MBK)	**61.4**	10	ug/L	50	<10	123	70-130	1.96	30	
Isopropylbenzene	**21.0**	0.50	ug/L	20	<0.50	105	70-130	0.143	30	
4-Isopropyltoluene	**21.2**	1.0	ug/L	20	<1.0	106	70-130	2.46	30	
Methyl-tert-Butyl Ether (MTBE)	**42.6**	1.0	ug/L	40	0.810	105	70-130	0.0235	30	
Methylene Chloride	**22.9**	5.0	ug/L	20	<5.0	114	70-130	7.44	30	
4-Methyl-2-pentanone (MIBK)	**53.8**	10	ug/L	50	<10	108	70-130	0.205	30	
Naphthalene	**26.0**	2.0	ug/L	20	<2.0	130	70-130	5.90	30	
n-Propylbenzene	**21.1**	0.50	ug/L	20	<0.50	106	70-130	0.566	30	
Styrene	**18.2**	0.50	ug/L	20	<0.50	91.1	70-130	2.55	30	
1,1,1,2-Tetrachloroethane	**18.0**	0.50	ug/L	20	<0.50	90.2	70-130	0.111	30	
1,1,2,2-Tetrachloroethane	**21.4**	0.50	ug/L	20	<0.50	107	70-130	0.796	30	
Tetrachloroethylene (PCE)	**17.2**	0.50	ug/L	20	<0.50	86.2	70-130	5.72	30	
Toluene	**19.2**	0.50	ug/L	20	<0.50	96.0	70-130	0.00	30	
1,2,3-Trichlorobenzene	**19.5**	0.50	ug/L	20	<0.50	97.7	70-130	2.23	30	
1,2,4-Trichlorobenzene	**19.0**	0.50	ug/L	20	<0.50	95.0	70-130	1.31	30	
1,1,1-Trichloroethane	**21.8**	0.50	ug/L	20	<0.50	109	70-130	3.82	30	
1,1,2-Trichloroethane	**19.8**	0.50	ug/L	20	<0.50	98.8	70-130	1.71	30	
Trichloroethylene (TCE)	**19.5**	0.50	ug/L	20	<0.50	97.5	70-130	4.07	30	
Trichlorofluoromethane (R11)	**23.8**	0.50	ug/L	20	<0.50	119	70-130	4.44	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: A5331951
Date Received: 10/06/16
Date Reported: 10/20/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1323 - EPA 5030B										
Matrix Spike Dup (B6J1323-MSD1) Continued		**Source: 6J06026-02**		Prepared & Analyzed: 10/13/16						
1,2,3-Trichloropropane	**18.7**	0.50	ug/L	20	<0.50	93.4	70-130	15.8	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**22.8**	0.50	ug/L	20	<0.50	114	70-130	3.62	30	
1,3,5-Trimethylbenzene	**21.0**	0.50	ug/L	20	<0.50	105	70-130	2.39	30	
1,2,4-Trimethylbenzene	**21.7**	0.50	ug/L	20	<0.50	108	70-130	3.18	30	
Vinyl chloride	**23.5**	0.50	ug/L	20	<0.50	118	70-130	0.726	30	
o-Xylene	**19.2**	0.50	ug/L	20	<0.50	95.8	70-130	2.47	30	
m,p-Xylenes	**37.6**	1.0	ug/L	40	<1.0	93.9	70-130	2.00	30	
Surrogate: 4-Bromofluorobenzene	*54.0*		*ug/L*	*50*		*108*	*70-140*			
Surrogate: Dibromofluoromethane	*49.9*		*ug/L*	*50*		*99.8*	*70-140*			
Surrogate: Toluene-d8	*49.4*		*ug/L*	*50*		*98.8*	*70-140*			
Batch B6J1723 - EPA 5030B										
Blank (B6J1723-BLK1)				Prepared & Analyzed: 10/17/16						
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							

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: A5331951
Date Received: 10/06/16
Date Reported: 10/20/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1723 - EPA 5030B										
Blank (B6J1723-BLK1) Continued				Prepared & Analyzed: 10/17/16						
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							
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)	<1.0	1.0	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: A5331951
Date Received: 10/06/16
Date Reported: 10/20/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1723 - EPA 5030B										
Blank (B6J1723-BLK1) Continued				Prepared & Analyzed: 10/17/16						
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							
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							
Surrogate: 4-Bromofluorobenzene	*55.4*		*ug/L*	*50*		*111*	*70-140*			
Surrogate: Dibromofluoromethane	*62.7*		*ug/L*	*50*		*125*	*70-140*			
Surrogate: Toluene-d8	*49.7*		*ug/L*	*50*		*99.5*	*70-140*			
LCS (B6J1723-BS1)				Prepared: 10/17/16 Analyzed: 10/18/16						
Acetone	**47.9**	10	ug/L	50		95.8	70-130			
tert-Amyl Methyl Ether (TAME)	**17.7**	2.0	ug/L	20		88.4	70-130			
Benzene	**22.7**	0.50	ug/L	20		113	75-125			
Bromobenzene	**19.0**	0.50	ug/L	20		94.9	70-130			

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331951
Date Received: 10/06/16
Date Reported: 10/20/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1723 - EPA 5030B										
LCS (B6J1723-BS1) Continued				Prepared: 10/17/16 Analyzed: 10/18/16						
Bromochloromethane	**21.5**	0.50	ug/L	20		108	70-130			
Bromodichloromethane	**23.3**	0.50	ug/L	20		117	75-125			
Bromoform	**16.3**	0.50	ug/L	20		81.3	75-125			
Bromomethane	**16.5**	0.50	ug/L	20		82.6	75-125			
2-Butanone (MEK)	**46.0**	10	ug/L	50		92.0	70-130			
tert-Butyl alcohol (TBA)	**105**	10	ug/L	100		105	70-130			
sec-Butylbenzene	**21.5**	0.50	ug/L	20		108	70-130			
tert-Butylbenzene	**22.8**	0.50	ug/L	20		114	70-130			
n-Butylbenzene	**22.3**	0.50	ug/L	20		111	70-130			
Carbon Disulfide	**41.5**	0.50	ug/L	50		83.1	70-130			
Carbon Tetrachloride	**24.2**	0.50	ug/L	20		121	75-125			
Chlorobenzene	**20.3**	0.50	ug/L	20		102	75-125			
Chloroethane	**22.5**	0.50	ug/L	20		113	75-125			
Chloroform	**23.5**	0.50	ug/L	20		118	75-125			
Chloromethane	**19.7**	0.50	ug/L	20		98.4	65-125			
2-Chlorotoluene	**22.2**	0.50	ug/L	20		111	70-130			
4-Chlorotoluene	**22.1**	0.50	ug/L	20		110	70-130			
1,2-Dibromo-3-chloropropane	**20.8**	1.0	ug/L	20		104	70-130			
Dibromochloromethane	**21.2**	0.50	ug/L	20		106	75-125			
1,2-Dibromoethane (EDB)	**18.1**	0.50	ug/L	20		90.6	70-130			
Dibromomethane	**21.8**	0.50	ug/L	20		109	70-130			
1,3-Dichlorobenzene	**20.4**	0.50	ug/L	20		102	70-130			
1,2-Dichlorobenzene	**21.1**	0.50	ug/L	20		105	70-130			
1,4-Dichlorobenzene	**19.9**	0.50	ug/L	20		99.6	75-125			
Dichlorodifluoromethane (R12)	**19.2**	0.50	ug/L	20		96.2	70-130			
1,1-Dichloroethane	**23.0**	0.50	ug/L	20		115	70-125			
1,2-Dichloroethane (EDC)	**23.6**	0.50	ug/L	20		118	75-125			
1,1-Dichloroethylene	**22.9**	0.50	ug/L	20		115	70-130			
trans-1,2-Dichloroethylene	**19.6**	0.50	ug/L	20		98.0	75-125			
cis-1,2-Dichloroethylene	**21.0**	0.50	ug/L	20		105	75-125			
1,2-Dichloropropane	**23.6**	0.50	ug/L	20		118	75-130			

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331951
Date Received: 10/06/16
Date Reported: 10/20/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1723 - EPA 5030B										
LCS (B6J1723-BS1) Continued				Prepared: 10/17/16 Analyzed: 10/18/16						
2,2-Dichloropropane	**24.3**	0.50	ug/L	20		122	70-130			
1,3-Dichloropropane	**18.6**	0.50	ug/L	20		92.8	70-130			
cis-1,3-Dichloropropylene	**18.8**	0.50	ug/L	20		93.9	75-125			
trans-1,3-Dichloropropylene	**18.3**	0.50	ug/L	20		91.4	70-130			
1,1-Dichloropropylene	**23.0**	0.50	ug/L	20		115	70-130			
Diisopropyl ether (DIPE)	**22.0**	2.0	ug/L	20		110	70-130			
Ethylbenzene	**21.6**	0.50	ug/L	20		108	75-125			
Ethyl-tert-Butyl Ether (ETBE)	**20.0**	2.0	ug/L	20		100	70-130			
Hexachlorobutadiene	**18.9**	1.0	ug/L	20		94.4	70-130			
2-Hexanone (MBK)	**45.3**	10	ug/L	50		90.7	70-130			
Isopropylbenzene	**22.6**	0.50	ug/L	20		113	70-130			
4-Isopropyltoluene	**22.8**	1.0	ug/L	20		114	70-130			
Methyl-tert-Butyl Ether (MTBE)	**37.6**	1.0	ug/L	40		94.0	75-125			
Methylene Chloride	**24.9**	5.0	ug/L	20		124	75-130			
4-Methyl-2-pentanone (MIBK)	**43.7**	10	ug/L	50		87.5	70-130			
Naphthalene	**19.8**	2.0	ug/L	20		99.2	70-130			
n-Propylbenzene	**22.2**	0.50	ug/L	20		111	70-130			
Styrene	**19.4**	0.50	ug/L	20		96.8	70-130			
1,1,1,2-Tetrachloroethane	**19.4**	0.50	ug/L	20		97.1	70-130			
1,1,2,2-Tetrachloroethane	**18.4**	0.50	ug/L	20		92.2	70-135			
Tetrachloroethylene (PCE)	**18.7**	0.50	ug/L	20		93.6	75-125			
Toluene	**21.2**	0.50	ug/L	20		106	75-125			
1,2,3-Trichlorobenzene	**18.3**	0.50	ug/L	20		91.7	70-130			
1,2,4-Trichlorobenzene	**18.4**	0.50	ug/L	20		91.8	70-130			
1,1,1-Trichloroethane	**24.4**	0.50	ug/L	20		122	75-125			
1,1,2-Trichloroethane	**19.7**	0.50	ug/L	20		98.7	75-125			
Trichloroethylene (TCE)	**22.0**	0.50	ug/L	20		110	75-125			
Trichlorofluoromethane (R11)	**24.8**	0.50	ug/L	20		124	70-130			
1,2,3-Trichloropropane	**17.3**	0.50	ug/L	20		86.6	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**24.2**	0.50	ug/L	20		121	70-130			
1,3,5-Trimethylbenzene	**22.1**	0.50	ug/L	20		111	70-130			

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331951
Date Received: 10/06/16
Date Reported: 10/20/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1723 - EPA 5030B										
LCS (B6J1723-BS1) Continued				Prepared: 10/17/16 Analyzed: 10/18/16						
1,2,4-Trimethylbenzene	**22.8**	0.50	ug/L	20		114	70-130			
Vinyl chloride	**23.0**	0.50	ug/L	20		115	75-125			
o-Xylene	**21.1**	0.50	ug/L	20		105	75-125			
m,p-Xylenes	**41.0**	1.0	ug/L	40		103	70-130			
Surrogate: 4-Bromofluorobenzene	*54.5*		*ug/L*	*50*		*109*	*70-140*			
Surrogate: Dibromofluoromethane	*54.0*		*ug/L*	*50*		*108*	*70-140*			
Surrogate: Toluene-d8	*53.8*		*ug/L*	*50*		*108*	*70-140*			
Matrix Spike (B6J1723-MS1)		**Source: 6J10010-02**		Prepared & Analyzed: 10/17/16						
Acetone	**55.7**	10	ug/L	50		111	70-130			
tert-Amyl Methyl Ether (TAME)	**19.0**	2.0	ug/L	20		94.8	70-130			
Benzene	**21.2**	0.50	ug/L	20		106	70-130			
Bromobenzene	**19.4**	0.50	ug/L	20		97.2	70-130			
Bromochloromethane	**21.7**	0.50	ug/L	20		108	70-130			
Bromodichloromethane	**22.9**	0.50	ug/L	20		114	70-130			
Bromoform	**18.0**	0.50	ug/L	20		90.2	70-130			
Bromomethane	**16.9**	0.50	ug/L	20		84.7	70-130			
2-Butanone (MEK)	**51.9**	10	ug/L	50		104	70-130			
tert-Butyl alcohol (TBA)	**100**	10	ug/L	100		100	70-130			
sec-Butylbenzene	**20.6**	0.50	ug/L	20		103	70-130			
tert-Butylbenzene	**22.0**	0.50	ug/L	20		110	70-130			
n-Butylbenzene	**22.0**	0.50	ug/L	20		110	70-130			
Carbon Disulfide	**45.0**	0.50	ug/L	50		90.0	70-130			
Carbon Tetrachloride	**22.6**	0.50	ug/L	20		113	70-130			
Chlorobenzene	**19.6**	0.50	ug/L	20		98.1	70-130			
Chloroethane	**19.2**	0.50	ug/L	20		96.1	70-130			
Chloroform	**22.7**	0.50	ug/L	20		114	70-130			
Chloromethane	**19.9**	0.50	ug/L	20		99.4	70-130			
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	**24.1**	1.0	ug/L	20		121	70-130			
Dibromochloromethane	**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: A5331951
Date Received: 10/06/16
Date Reported: 10/20/16

VOCs & OXYGENATES by GC/MS - Quality Control

Batch B6J1723 - EPA 5030B

Matrix Spike (B6J1723-MS1) Continued Source: 6J10010-02 Prepared & Analyzed: 10/17/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromoethane (EDB)	**19.4**	0.50	ug/L	20		96.8	70-130			
Dibromomethane	**22.3**	0.50	ug/L	20		111	70-130			
1,3-Dichlorobenzene	**20.2**	0.50	ug/L	20		101	70-130			
1,2-Dichlorobenzene	**21.5**	0.50	ug/L	20		108	70-130			
1,4-Dichlorobenzene	**19.9**	0.50	ug/L	20		99.4	70-130			
Dichlorodifluoromethane (R12)	**18.5**	0.50	ug/L	20		92.6	70-130			
1,1-Dichloroethane	**22.9**	0.50	ug/L	20		114	70-130			
1,2-Dichloroethane (EDC)	**23.8**	0.50	ug/L	20		119	70-130			
1,1-Dichloroethylene	**23.1**	0.50	ug/L	20		115	70-130			
trans-1,2-Dichloroethylene	**19.9**	0.50	ug/L	20		99.7	70-130			
cis-1,2-Dichloroethylene	**20.2**	0.50	ug/L	20		101	70-130			
1,2-Dichloropropane	**22.1**	0.50	ug/L	20		110	70-130			
2,2-Dichloropropane	**24.2**	0.50	ug/L	20		121	70-130			
1,3-Dichloropropane	**18.9**	0.50	ug/L	20		94.6	70-130			
cis-1,3-Dichloropropylene	**19.8**	0.50	ug/L	20		99.0	70-130			
trans-1,3-Dichloropropylene	**19.9**	0.50	ug/L	20		99.5	70-130			
1,1-Dichloropropylene	**20.3**	0.50	ug/L	20		102	70-130			
Diisopropyl ether (DIPE)	**22.2**	2.0	ug/L	20		111	70-130			
Ethylbenzene	**20.0**	0.50	ug/L	20		100	70-130			
Ethyl-tert-Butyl Ether (ETBE)	**20.8**	2.0	ug/L	20		104	70-130			
Hexachlorobutadiene	**18.7**	1.0	ug/L	20		93.7	70-130			
2-Hexanone (MBK)	**58.8**	10	ug/L	50		118	70-130			
Isopropylbenzene	**21.5**	0.50	ug/L	20		108	70-130			
4-Isopropyltoluene	**22.2**	1.0	ug/L	20		111	70-130			
Methyl-tert-Butyl Ether (MTBE)	**41.2**	1.0	ug/L	40		103	70-130			
Methylene Chloride	**26.1**	5.0	ug/L	20	11.7	72.2	70-130			
4-Methyl-2-pentanone (MIBK)	**51.5**	10	ug/L	50		103	70-130			
Naphthalene	**24.7**	2.0	ug/L	20		123	70-130			
n-Propylbenzene	**21.5**	0.50	ug/L	20		108	70-130			
Styrene	**18.7**	0.50	ug/L	20		93.5	70-130			
1,1,1,2-Tetrachloroethane	**18.3**	0.50	ug/L	20		91.7	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: A5331951
Date Received: 10/06/16
Date Reported: 10/20/16

VOCs & OXYGENATES by GC/MS - Quality Control

Batch B6J1723 - EPA 5030B

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Matrix Spike (B6J1723-MS1) Continued	**Source: 6J10010-02**	Prepared & Analyzed: 10/17/16								
1,1,2,2-Tetrachloroethane	**21.1**	0.50	ug/L	20		106	70-130			
Tetrachloroethylene (PCE)	**17.1**	0.50	ug/L	20		85.7	70-130			
Toluene	**19.2**	0.50	ug/L	20		95.8	70-130			
1,2,3-Trichlorobenzene	**19.9**	0.50	ug/L	20		99.4	70-130			
1,2,4-Trichlorobenzene	**19.1**	0.50	ug/L	20		95.6	70-130			
1,1,1-Trichloroethane	**22.3**	0.50	ug/L	20		112	70-130			
1,1,2-Trichloroethane	**19.5**	0.50	ug/L	20		97.6	70-130			
Trichloroethylene (TCE)	**20.1**	0.50	ug/L	20		100	70-130			
Trichlorofluoromethane (R11)	**23.7**	0.50	ug/L	20		118	70-130			
1,2,3-Trichloropropane	**20.8**	0.50	ug/L	20		104	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**24.0**	0.50	ug/L	20		120	70-130			
1,3,5-Trimethylbenzene	**21.7**	0.50	ug/L	20		109	70-130			
1,2,4-Trimethylbenzene	**22.3**	0.50	ug/L	20		112	70-130			
Vinyl chloride	**22.7**	0.50	ug/L	20		113	70-130			
o-Xylene	**20.0**	0.50	ug/L	20		99.8	70-130			
m,p-Xylenes	**38.7**	1.0	ug/L	40		96.8	70-130			
Surrogate: 4-Bromofluorobenzene	*54.6*		*ug/L*	*50*		*109*	*70-140*			
Surrogate: Dibromofluoromethane	*53.1*		*ug/L*	*50*		*106*	*70-140*			
Surrogate: Toluene-d8	*49.0*		*ug/L*	*50*		*98.0*	*70-140*			
Matrix Spike Dup (B6J1723-MSD1)	**Source: 6J10010-02**	Prepared & Analyzed: 10/17/16								
Acetone	**57.3**	10	ug/L	50		115	70-130	2.76	30	
tert-Amyl Methyl Ether (TAME)	**19.4**	2.0	ug/L	20		96.8	70-130	2.14	30	
Benzene	**22.3**	0.50	ug/L	20		111	70-130	4.73	30	
Bromobenzene	**20.2**	0.50	ug/L	20		101	70-130	3.93	30	
Bromochloromethane	**21.4**	0.50	ug/L	20		107	70-130	1.58	30	
Bromodichloromethane	**23.6**	0.50	ug/L	20		118	70-130	3.23	30	
Bromoform	**17.6**	0.50	ug/L	20		87.8	70-130	2.70	30	
Bromomethane	**17.3**	0.50	ug/L	20		86.4	70-130	2.04	30	
2-Butanone (MEK)	**58.3**	10	ug/L	50		117	70-130	11.5	30	
tert-Butyl alcohol (TBA)	**109**	10	ug/L	100		109	70-130	8.17	30	

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331951
Date Received: 10/06/16
Date Reported: 10/20/16

VOCs & OXYGENATES by GC/MS - Quality Control

Batch B6J1723 - EPA 5030B

Matrix Spike Dup (B6J1723-MSD1) Continued **Source: 6J10010-02** Prepared & Analyzed: 10/17/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
sec-Butylbenzene	**21.2**	0.50	ug/L	20		106	70-130	2.91	30	
tert-Butylbenzene	**22.5**	0.50	ug/L	20		113	70-130	2.65	30	
n-Butylbenzene	**22.1**	0.50	ug/L	20		110	70-130	0.227	30	
Carbon Disulfide	**40.0**	0.50	ug/L	50		80.0	70-130	11.7	30	
Carbon Tetrachloride	**23.2**	0.50	ug/L	20		116	70-130	2.93	30	
Chlorobenzene	**19.7**	0.50	ug/L	20		98.6	70-130	0.508	30	
Chloroethane	**20.6**	0.50	ug/L	20		103	70-130	6.93	30	
Chloroform	**23.2**	0.50	ug/L	20		116	70-130	1.92	30	
Chloromethane	**21.3**	0.50	ug/L	20		106	70-130	6.85	30	
2-Chlorotoluene	**22.9**	0.50	ug/L	20		115	70-130	5.88	30	
4-Chlorotoluene	**22.1**	0.50	ug/L	20		110	70-130	1.64	30	
1,2-Dibromo-3-chloropropane	**23.9**	1.0	ug/L	20		119	70-130	1.08	30	
Dibromochloromethane	**21.5**	0.50	ug/L	20		108	70-130	2.97	30	
1,2-Dibromoethane (EDB)	**20.2**	0.50	ug/L	20		101	70-130	4.35	30	
Dibromomethane	**23.7**	0.50	ug/L	20		119	70-130	6.31	30	
1,3-Dichlorobenzene	**20.8**	0.50	ug/L	20		104	70-130	3.27	30	
1,2-Dichlorobenzene	**22.4**	0.50	ug/L	20		112	70-130	3.92	30	
1,4-Dichlorobenzene	**20.6**	0.50	ug/L	20		103	70-130	3.36	30	
Dichlorodifluoromethane (R12)	**19.0**	0.50	ug/L	20		95.2	70-130	2.71	30	
1,1-Dichloroethane	**23.3**	0.50	ug/L	20		116	70-130	1.78	30	
1,2-Dichloroethane (EDC)	**24.2**	0.50	ug/L	20		121	70-130	1.67	30	
1,1-Dichloroethylene	**23.8**	0.50	ug/L	20		119	70-130	3.11	30	
trans-1,2-Dichloroethylene	**20.3**	0.50	ug/L	20		102	70-130	1.79	30	
cis-1,2-Dichloroethylene	**20.4**	0.50	ug/L	20		102	70-130	1.03	30	
1,2-Dichloropropane	**23.8**	0.50	ug/L	20		119	70-130	7.49	30	
2,2-Dichloropropane	**23.9**	0.50	ug/L	20		120	70-130	1.25	30	
1,3-Dichloropropane	**19.3**	0.50	ug/L	20		96.6	70-130	1.99	30	
cis-1,3-Dichloropropylene	**20.3**	0.50	ug/L	20		102	70-130	2.69	30	
trans-1,3-Dichloropropylene	**20.3**	0.50	ug/L	20		101	70-130	1.79	30	
1,1-Dichloropropylene	**21.9**	0.50	ug/L	20		110	70-130	7.48	30	
Diisopropyl ether (DIPE)	**23.4**	2.0	ug/L	20		117	70-130	5.00	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: A5331951
Date Received: 10/06/16
Date Reported: 10/20/16

VOCs & OXYGENATES by GC/MS - Quality Control

Batch B6J1723 - EPA 5030B

Matrix Spike Dup (B6J1723-MSD1) Continued **Source: 6J10010-02** Prepared & Analyzed: 10/17/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ethylbenzene	**20.4**	0.50	ug/L	20		102	70-130	1.73	30	
Ethyl-tert-Butyl Ether (ETBE)	**21.6**	2.0	ug/L	20		108	70-130	3.91	30	
Hexachlorobutadiene	**19.8**	1.0	ug/L	20		99.0	70-130	5.50	30	
2-Hexanone (MBK)	**56.2**	10	ug/L	50		112	70-130	4.54	30	
Isopropylbenzene	**22.2**	0.50	ug/L	20		111	70-130	3.06	30	
4-Isopropyltoluene	**22.3**	1.0	ug/L	20		112	70-130	0.539	30	
Methyl-tert-Butyl Ether (MTBE)	**43.6**	1.0	ug/L	40		109	70-130	5.59	30	
Methylene Chloride	**27.2**	5.0	ug/L	20	11.7	77.7	70-130	4.12	30	
4-Methyl-2-pentanone (MIBK)	**53.0**	10	ug/L	50		106	70-130	3.04	30	
Naphthalene	**25.7**	2.0	ug/L	20		129	70-130	4.05	30	
n-Propylbenzene	**22.2**	0.50	ug/L	20		111	70-130	3.02	30	
Styrene	**18.8**	0.50	ug/L	20		94.2	70-130	0.746	30	
1,1,1,2-Tetrachloroethane	**18.5**	0.50	ug/L	20		92.5	70-130	0.869	30	
1,1,2,2-Tetrachloroethane	**21.3**	0.50	ug/L	20		106	70-130	0.801	30	
Tetrachloroethylene (PCE)	**18.3**	0.50	ug/L	20		91.3	70-130	6.33	30	
Toluene	**20.1**	0.50	ug/L	20		100	70-130	4.79	30	
1,2,3-Trichlorobenzene	**20.8**	0.50	ug/L	20		104	70-130	4.23	30	
1,2,4-Trichlorobenzene	**20.0**	0.50	ug/L	20		100	70-130	4.70	30	
1,1,1-Trichloroethane	**23.8**	0.50	ug/L	20		119	70-130	6.33	30	
1,1,2-Trichloroethane	**20.7**	0.50	ug/L	20		103	70-130	5.67	30	
Trichloroethylene (TCE)	**20.8**	0.50	ug/L	20		104	70-130	3.33	30	
Trichlorofluoromethane (R11)	**24.6**	0.50	ug/L	20		123	70-130	3.89	30	
1,2,3-Trichloropropane	**19.9**	0.50	ug/L	20		99.6	70-130	4.56	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**23.7**	0.50	ug/L	20		119	70-130	1.34	30	
1,3,5-Trimethylbenzene	**21.8**	0.50	ug/L	20		109	70-130	0.413	30	
1,2,4-Trimethylbenzene	**22.7**	0.50	ug/L	20		114	70-130	1.77	30	
Vinyl chloride	**23.7**	0.50	ug/L	20		119	70-130	4.48	30	
o-Xylene	**20.3**	0.50	ug/L	20		101	70-130	1.54	30	
m,p-Xylenes	**38.6**	1.0	ug/L	40		96.5	70-130	0.284	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: A5331951
Date Received: 10/06/16
Date Reported: 10/20/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1723 - EPA 5030B										
Matrix Spike Dup (B6J1723-MSD1) Continued		**Source: 6J10010-02**		Prepared & Analyzed: 10/17/16						
Surrogate: 4-Bromofluorobenzene	*55.4*		*ug/L*	*50*		*111*	*70-140*			
Surrogate: Dibromofluoromethane	*52.8*		*ug/L*	*50*		*106*	*70-140*			
Surrogate: Toluene-d8	*48.8*		*ug/L*	*50*		*97.6*	*70-140*			
Diesel Range Organics by GC/FID - Quality Control										
Batch B6J1119 - EPA 3510C										
Blank (B6J1119-BLK1)				Prepared & Analyzed: 10/11/16						
Diesel Range Organics as Diesel	<0.10	0.10	mg/L							
Surrogate: o-Terphenyl	*0.0400*		*mg/L*	*0.040*		*99.9*	*50-150*			
LCS (B6J1119-BS1)				Prepared & Analyzed: 10/11/16						
Diesel Range Organics as Diesel	**0.872**	0.10	mg/L	0.80		109	75-125			
Surrogate: o-Terphenyl	*0.0427*		*mg/L*	*0.040*		*107*	*50-150*			
LCS Dup (B6J1119-BSD1)				Prepared & Analyzed: 10/11/16						
Diesel Range Organics as Diesel	**0.742**	0.10	mg/L	0.80		92.7	75-125	16.2	30	
Surrogate: o-Terphenyl	*0.0427*		*mg/L*	*0.040*		*107*	*50-150*			
Gasoline Range Organics by GC/FID - Quality Control										
Batch B6J0623 - EPA 5030B										
Blank (B6J0623-BLK1)				Prepared & Analyzed: 10/06/16						
Gasoline Range Organics (GRO)	<100	100	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*47.1*		*ug/L*	*50*		*94.2*	*80-120*			
LCS (B6J0623-BS1)				Prepared & Analyzed: 10/06/16						
Gasoline Range Organics (GRO)	**449**	100	ug/L	500		89.8	75-125			
Surrogate: a,a,a-Trifluorotoluene	*48.4*		*ug/L*	*50*		*96.8*	*80-120*			
LCS Dup (B6J0623-BSD1)				Prepared & Analyzed: 10/06/16						
Gasoline Range Organics (GRO)	**443**	100	ug/L	500		88.7	75-125	1.29	30	
Surrogate: a,a,a-Trifluorotoluene	*47.7*		*ug/L*	*50*		*95.4*	*80-120*			
Batch B6J0710 - EPA 5030B										
Blank (B6J0710-BLK1)				Prepared & Analyzed: 10/07/16						

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: A5331951
Date Received: 10/06/16
Date Reported: 10/20/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Gasoline Range Organics by GC/FID - Quality Control										
Batch B6J0710 - EPA 5030B										
Gasoline Range Organics (GRO)	<100	100	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*45.2*		*ug/L*	*50*		*90.5*	*80-120*			
LCS (B6J0710-BS1)				Prepared & Analyzed: 10/07/16						
Gasoline Range Organics (GRO)	**434**	100	ug/L	500		86.8	75-125			
Surrogate: a,a,a-Trifluorotoluene	*46.7*		*ug/L*	*50*		*93.5*	*80-120*			
LCS Dup (B6J0710-BSD1)				Prepared & Analyzed: 10/07/16						
Gasoline Range Organics (GRO)	**473**	100	ug/L	500		94.6	75-125	8.62	30	
Surrogate: a,a,a-Trifluorotoluene	*47.3*		*ug/L*	*50*		*94.6*	*80-120*			
Matrix Spike (B6J0710-MS1)		**Source: 6J06026-12**		Prepared & Analyzed: 10/07/16						
Gasoline Range Organics (GRO)	**453**	100	ug/L	500	<100	90.7	70-130			
Surrogate: a,a,a-Trifluorotoluene	*49.8*		*ug/L*	*50*		*99.7*	*80-120*			
Matrix Spike Dup (B6J0710-MSD1)		**Source: 6J06026-12**		Prepared & Analyzed: 10/07/16						
Gasoline Range Organics (GRO)	**451**	100	ug/L	500	<100	90.3	70-130	0.418	30	
Surrogate: a,a,a-Trifluorotoluene	*48.8*		*ug/L*	*50*		*97.5*	*80-120*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331951
Project No:	04-NDLA-013	**Date Received:**	10/06/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/20/16

Special Notes

[1] = **** : Exceeds upper control limit

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.: 125884
70047089
Page 1 of 1

Client:	APEX-SGI	Project Name / No.:	DFSP Norwalk 091-NDLA-031	Sampler's Name:	David Webb
Project Manager:	DAN SWENSSON	Site Address:	15306 Norwalk Blvd.	Sampler's Signature:	
Phone:	1-562-597-1055	City:	Norwalk	P.O. No.:	—
Fax:	1-562-597-1070	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)

Please enter the TAT Turnaround Codes ** below

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	8260B	8015TPH-G	8015M "D"								Special Instructions
QCTB-1	6J06026 -01	10-5-16	600	GW	2											
GMW-40	-02	10-5-16	805	GW	7	X	X	X								
GMW-41	-03	10-5-16	840	GW	7	X	X	X								
GMW-20	-04	10-5-16	915	GW	7	X	X	X								
GMW-44	-05	10-5-16	950	GW	7	X	X	X								
DUP-3	-06	10-5-16		GW	7	X	X	X								
MW-27	-07	10-5-16	1025	GW	7	X	X	X								
MW-26	-08	10-5-16	1055	GW	7	X	X	X								
MW-22 (MID)	-09	10-5-16	1130	GW	7	X	X	X								
GW-1	-10	10-5-16	1200	GW	7	X	X	X								SAMPLE INTEGRITY
GW-13	-11	10-5-16	1250	GW	7	X	X	X								INTACT Y N TEMP 5°C
GW-2	-12	10-5-16	120	GW	7	X	X	X								
GW-3	-13	10-5-16	155	GW	7	X	X	X								
GW-6	-14	10-5-16	230	GW	7	X	X	X								16 OCT 6 14:18
QCEB-1	-15	10-5-16	245	GW	2	X										
DUP-4	-16	10-5-16	~~X~~		17	X	X	X								

For Laboratory Use

REVIEWED
Date 10/6/16 Time 1615
TAT N Days Sign:

A.A. Project No.: A5331951 / 6J06026

Relinquished by	Date	Time	Received by
	10-6-16	12:45	
Relinquished by	Date 10/6/16	Time 14:18	Received by
Relinquished by	Date	Time	Received by

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

October 21, 2016

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

Re : DFSP Norwalk GW Sampling / 04-NDLA-013

A5331953 / 6J10010

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 10/10/16 13:29 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 Analytics.

Sincerely,

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: A5331953
Date Received: 10/10/16
Date Reported: 10/21/16

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8260B+OXY+TPHG					
QCTB-1	6J10010-01	Water	5	10/07/16 06:00	10/10/16 13:29
QCEB-1	6J10010-13	Water	5	10/07/16 13:30	10/10/16 13:29
8260B+OXYGENATES					
GW-8	6J10010-02	Water	5	10/07/16 08:20	10/10/16 13:29
GMW-6	6J10010-03	Water	5	10/07/16 09:00	10/10/16 13:29
GMW-47	6J10010-04	Water	5	10/07/16 09:35	10/10/16 13:29
DUP-5	6J10010-05	Water	5	10/07/16 00:00	10/10/16 13:29
GMW-57	6J10010-06	Water	5	10/07/16 10:10	10/10/16 13:29
GMW-60	6J10010-07	Water	5	10/07/16 10:40	10/10/16 13:29
GMW-61	6J10010-08	Water	5	10/07/16 11:10	10/10/16 13:29
MW-16	6J10010-09	Water	5	10/07/16 12:20	10/10/16 13:29
EXP-1	6J10010-10	Water	5	10/07/16 11:45	10/10/16 13:29
MW-29	6J10010-11	Water	5	10/07/16 12:55	10/10/16 13:29
DUP-6	6J10010-12	Water	5	10/07/16 00:00	10/10/16 13:29
Diesel Range Organics 8015M					
GW-8	6J10010-02	Water	5	10/07/16 08:20	10/10/16 13:29
GMW-6	6J10010-03	Water	5	10/07/16 09:00	10/10/16 13:29
GMW-47	6J10010-04	Water	5	10/07/16 09:35	10/10/16 13:29

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331953
Date Received: 10/10/16
Date Reported: 10/21/16

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
DUP-5	6J10010-05	Water	5	10/07/16 00:00	10/10/16 13:29
GMW-57	6J10010-06	Water	5	10/07/16 10:10	10/10/16 13:29
GMW-60	6J10010-07	Water	5	10/07/16 10:40	10/10/16 13:29
GMW-61	6J10010-08	Water	5	10/07/16 11:10	10/10/16 13:29
MW-16	6J10010-09	Water	5	10/07/16 12:20	10/10/16 13:29
EXP-1	6J10010-10	Water	5	10/07/16 11:45	10/10/16 13:29
MW-29	6J10010-11	Water	5	10/07/16 12:55	10/10/16 13:29
DUP-6	6J10010-12	Water	5	10/07/16 00:00	10/10/16 13:29

Gasoline Range Organics 8015M

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
GW-8	6J10010-02	Water	5	10/07/16 08:20	10/10/16 13:29
GMW-6	6J10010-03	Water	5	10/07/16 09:00	10/10/16 13:29
GMW-47	6J10010-04	Water	5	10/07/16 09:35	10/10/16 13:29
DUP-5	6J10010-05	Water	5	10/07/16 00:00	10/10/16 13:29
GMW-57	6J10010-06	Water	5	10/07/16 10:10	10/10/16 13:29
GMW-60	6J10010-07	Water	5	10/07/16 10:40	10/10/16 13:29
GMW-61	6J10010-08	Water	5	10/07/16 11:10	10/10/16 13:29
MW-16	6J10010-09	Water	5	10/07/16 12:20	10/10/16 13:29
EXP-1	6J10010-10	Water	5	10/07/16 11:45	10/10/16 13:29
MW-29	6J10010-11	Water	5	10/07/16 12:55	10/10/16 13:29
DUP-6	6J10010-12	Water	5	10/07/16 00:00	10/10/16 13:29

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331953
Project No:	04-NDLA-013	**Date Received:**	10/10/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/21/16
Method:	VOCs, OXY & TPH Gasoline by GC/MS	**Units:**	ug/L

Date Sampled:	10/07/16	10/07/16	
Date Prepared:	10/17/16	10/17/16	
Date Analyzed:	10/17/16	10/17/16	
AA ID No:	6J10010-01	6J10010-13	
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)	**AA Project No:**	A5331953
Project No:	04-NDLA-013	**Date Received:**	10/10/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/21/16
Method:	VOCs, OXY & TPH Gasoline by GC/MS	**Units:**	ug/L

Date Sampled:	10/07/16	10/07/16	
Date Prepared:	10/17/16	10/17/16	
Date Analyzed:	10/17/16	10/17/16	
AA ID No:	6J10010-01	6J10010-13	
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)	<1.0	<1.0	1.0
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)	**AA Project No:**	A5331953
Project No:	04-NDLA-013	**Date Received:**	10/10/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/21/16
Method:	VOCs, OXY & TPH Gasoline by GC/MS	**Units:**	ug/L

Date Sampled:	10/07/16	10/07/16	
Date Prepared:	10/17/16	10/17/16	
Date Analyzed:	10/17/16	10/17/16	
AA ID No:	6J10010-01	6J10010-13	
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	110%	112%	70-140
Dibromofluoromethane	128%	121%	70-140
Toluene-d8	99%	100%	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331953
Project No:	04-NDLA-013	**Date Received:**	10/10/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/21/16
Method:	VOCs & OXYGENATES by GC/MS	**Units:**	ug/L

Date Sampled:	10/07/16	10/07/16	10/07/16	10/07/16	
Date Prepared:	10/17/16	10/17/16	10/17/16	10/17/16	
Date Analyzed:	10/17/16	10/17/16	10/17/16	10/17/16	
AA ID No:	6J10010-02	6J10010-03	6J10010-04	6J10010-05	
Client ID No:	GW-8	GMW-6	GMW-47	DUP-5	
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	**120**	**140**	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)	**AA Project No:**	A5331953
Project No:	04-NDLA-013	**Date Received:**	10/10/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/21/16
Method:	VOCs & OXYGENATES by GC/MS	**Units:**	ug/L

Date Sampled:	10/07/16	10/07/16	10/07/16	10/07/16	
Date Prepared:	10/17/16	10/17/16	10/17/16	10/17/16	
Date Analyzed:	10/17/16	10/17/16	10/17/16	10/17/16	
AA ID No:	6J10010-02	6J10010-03	6J10010-04	6J10010-05	
Client ID No:	GW-8	GMW-6	GMW-47	DUP-5	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
<u>8260B+OXYGENATES (EPA 8260B)</u> (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	**0.67**	**0.72**	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)	<1.0	<1.0	**4.9**	**5.1**	1.0
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)	**AA Project No:**	A5331953
Project No:	04-NDLA-013	**Date Received:**	10/10/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/21/16
Method:	VOCs & OXYGENATES by GC/MS	**Units:**	ug/L

Date Sampled:	10/07/16	10/07/16	10/07/16	10/07/16	
Date Prepared:	10/17/16	10/17/16	10/17/16	10/17/16	
Date Analyzed:	10/17/16	10/17/16	10/17/16	10/17/16	
AA ID No:	6J10010-02	6J10010-03	6J10010-04	6J10010-05	
Client ID No:	GW-8	GMW-6	GMW-47	DUP-5	
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	108%	109%	108%	111%	70-140
Dibromofluoromethane	115%	123%	125%	124%	70-140
Toluene-d8	105%	100%	97%	100%	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331953
Project No:	04-NDLA-013	**Date Received:**	10/10/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/21/16
Method:	VOCs & OXYGENATES by GC/MS	**Units:**	ug/L

Date Sampled:	10/07/16	10/07/16	10/07/16	10/07/16	
Date Prepared:	10/17/16	10/17/16	10/17/16	10/17/16	
Date Analyzed:	10/17/16	10/17/16	10/17/16	10/17/16	
AA ID No:	6J10010-06	6J10010-07	6J10010-08	6J10010-09	
Client ID No:	GMW-57	GMW-60	GMW-61	MW-16	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

8260B+OXYGENATES (EPA 8260B)

Acetone	<10	**31**	<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	**2.8**	<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

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331953
Project No:	04-NDLA-013	**Date Received:**	10/10/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/21/16
Method:	VOCs & OXYGENATES by GC/MS	**Units:**	ug/L

Date Sampled:	10/07/16	10/07/16	10/07/16	10/07/16	
Date Prepared:	10/17/16	10/17/16	10/17/16	10/17/16	
Date Analyzed:	10/17/16	10/17/16	10/17/16	10/17/16	
AA ID No:	6J10010-06	6J10010-07	6J10010-08	6J10010-09	
Client ID No:	GMW-57	GMW-60	GMW-61	MW-16	
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	**0.64**	<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	**1.7**	**0.85**	<0.50	<0.50	0.50
4-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	**1.4**	<1.0	<1.0	<1.0	1.0
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	**0.51**	<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)	**AA Project No:**	A5331953
Project No:	04-NDLA-013	**Date Received:**	10/10/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/21/16
Method:	VOCs & OXYGENATES by GC/MS	**Units:**	ug/L

Date Sampled:	10/07/16	10/07/16	10/07/16	10/07/16	
Date Prepared:	10/17/16	10/17/16	10/17/16	10/17/16	
Date Analyzed:	10/17/16	10/17/16	10/17/16	10/17/16	
AA ID No:	6J10010-06	6J10010-07	6J10010-08	6J10010-09	
Client ID No:	GMW-57	GMW-60	GMW-61	MW-16	
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	111%	108%	110%	109%	70-140
Dibromofluoromethane	124%	126%	126%	126%	70-140
Toluene-d8	98%	101%	98%	99%	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331953
Project No:	04-NDLA-013	**Date Received:**	10/10/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/21/16
Method:	VOCs & OXYGENATES by GC/MS	**Units:**	ug/L

Date Sampled:	10/07/16	10/07/16	10/07/16	
Date Prepared:	10/17/16	10/17/16	10/17/16	
Date Analyzed:	10/17/16	10/17/16	10/17/16	
AA ID No:	6J10010-10	6J10010-11	6J10010-12	
Client ID No:	EXP-1	MW-29	DUP-6	
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)	**AA Project No:**	A5331953
Project No:	04-NDLA-013	**Date Received:**	10/10/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/21/16
Method:	VOCs & OXYGENATES by GC/MS	**Units:**	ug/L

Date Sampled:	10/07/16	10/07/16	10/07/16	
Date Prepared:	10/17/16	10/17/16	10/17/16	
Date Analyzed:	10/17/16	10/17/16	10/17/16	
AA ID No:	6J10010-10	6J10010-11	6J10010-12	
Client ID No:	EXP-1	MW-29	DUP-6	
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)	**1.7**	<1.0	<1.0	1.0
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

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331953
Project No:	04-NDLA-013	**Date Received:**	10/10/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/21/16
Method:	VOCs & OXYGENATES by GC/MS	**Units:**	ug/L

Date Sampled:	10/07/16	10/07/16	10/07/16	
Date Prepared:	10/17/16	10/17/16	10/17/16	
Date Analyzed:	10/17/16	10/17/16	10/17/16	
AA ID No:	6J10010-10	6J10010-11	6J10010-12	
Client ID No:	EXP-1	MW-29	DUP-6	
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
Surrogates				**%REC Limits**
4-Bromofluorobenzene	111%	112%	109%	70-140
Dibromofluoromethane	129%	131%	126%	70-140
Toluene-d8	99%	98%	96%	70-140

Viorel Vasile
Operations Manager

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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: Diesel Range Organics by GC/FID

AA Project No: A5331953
Date Received: 10/10/16
Date Reported: 10/21/16
Units: mg/L

Date Sampled:	10/07/16	10/07/16	10/07/16	10/07/16	
Date Prepared:	10/12/16	10/12/16	10/12/16	10/12/16	
Date Analyzed:	10/13/16	10/13/16	10/13/16	10/13/16	
AA ID No:	6J10010-02	6J10010-03	6J10010-04	6J10010-05	
Client ID No:	GW-8	GMW-6	GMW-47	DUP-5	
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	**2.0**	**1.9**	0.10
Surrogates					**%REC Limits**
o-Terphenyl	106%	127%	100%	104%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331953
Project No:	04-NDLA-013	**Date Received:**	10/10/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/21/16
Method:	Diesel Range Organics by GC/FID	**Units:**	mg/L

Date Sampled:	10/07/16	10/07/16	10/07/16	10/07/16	
Date Prepared:	10/12/16	10/12/16	10/12/16	10/12/16	
Date Analyzed:	10/13/16	10/13/16	10/13/16	10/13/16	
AA ID No:	6J10010-06	6J10010-07	6J10010-08	6J10010-09	
Client ID No:	GMW-57	GMW-60	GMW-61	MW-16	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
Diesel Range Organics 8015M (EPA 8015M)					
Diesel Range Organics as Diesel	**0.57**	**0.87**	**0.39**	<0.10	0.10
Surrogates					**%REC Limits**
o-Terphenyl	139%	130%	103%	96%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331953
Project No:	04-NDLA-013	**Date Received:**	10/10/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/21/16
Method:	Diesel Range Organics by GC/FID	**Units:**	mg/L

Date Sampled:	10/07/16	10/07/16	10/07/16	
Date Prepared:	10/12/16	10/12/16	10/12/16	
Date Analyzed:	10/13/16	10/13/16	10/13/16	
AA ID No:	6J10010-10	6J10010-11	6J10010-12	
Client ID No:	EXP-1	MW-29	DUP-6	
Matrix:	Water	Water	Water	
Dilution Factor:	1	1	1	MRL
Diesel Range Organics 8015M (EPA 8015M)				
Diesel Range Organics as Diesel	<0.10	**0.25**	**0.23**	0.10
Surrogates				**%REC Limits**
o-Terphenyl	100%	74%	98%	50-150

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LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)		**AA Project No:**	A5331953
Project No:	04-NDLA-013		**Date Received:**	10/10/16
Project Name:	DFSP Norwalk GW Sampling		**Date Reported:**	10/21/16
Method:	Gasoline Range Organics by GC/FID		**Units:**	ug/L

Date Sampled:	10/07/16	10/07/16	10/07/16	10/07/16	
Date Prepared:	10/10/16	10/10/16	10/10/16	10/10/16	
Date Analyzed:	10/10/16	10/10/16	10/10/16	10/10/16	
AA ID No:	6J10010-02	6J10010-03	6J10010-04	6J10010-05	
Client ID No:	GW-8	GMW-6	GMW-47	DUP-5	
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
Surrogates					**%REC Limits**
a,a,a-Trifluorotoluene	93%	95%	92%	96%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331953
Project No:	04-NDLA-013	**Date Received:**	10/10/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/21/16
Method:	Gasoline Range Organics by GC/FID	**Units:**	ug/L

Date Sampled:	10/07/16	10/07/16	10/07/16	10/07/16	
Date Prepared:	10/10/16	10/10/16	10/11/16	10/11/16	
Date Analyzed:	10/10/16	10/10/16	10/11/16	10/11/16	
AA ID No:	6J10010-06	6J10010-07	6J10010-08	6J10010-09	
Client ID No:	GMW-57	GMW-60	GMW-61	MW-16	
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
Surrogates					**%REC Limits**
a,a,a-Trifluorotoluene	96%	99%	90%	90%	80-120

Viorel Vasile
Operations Manager

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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: A5331953
Date Received: 10/10/16
Date Reported: 10/21/16
Units: ug/L

Date Sampled:	10/07/16	10/07/16	10/07/16	
Date Prepared:	10/11/16	10/11/16	10/11/16	
Date Analyzed:	10/11/16	10/11/16	10/11/16	
AA ID No:	6J10010-10	6J10010-11	6J10010-12	
Client ID No:	EXP-1	MW-29	DUP-6	
Matrix:	Water	Water	Water	
Dilution Factor:	1	1	1	MRL
Gasoline Range Organics 8015M (EPA 8015M)				
Gasoline Range Organics (GRO)	<100	<100	<100	100
Surrogates				**%REC Limits**
a,a,a-Trifluorotoluene	93%	91%	92%	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: A5331953
Date Received: 10/10/16
Date Reported: 10/21/16

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										
Batch B6J1723 - EPA 5030B										
Blank (B6J1723-BLK1)				Prepared & Analyzed: 10/17/16						
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							

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: A5331953
Date Received: 10/10/16
Date Reported: 10/21/16

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										
Batch B6J1723 - EPA 5030B										
Blank (B6J1723-BLK1) Continued				Prepared & Analyzed: 10/17/16						
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)	<1.0	1.0	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							

Viorel Vasile
Operations Manager

AMERICAN ® ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331953
Date Received: 10/10/16
Date Reported: 10/21/16

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										
Batch B6J1723 - EPA 5030B										
Blank (B6J1723-BLK1) Continued				Prepared & Analyzed: 10/17/16						
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							
Surrogate: 4-Bromofluorobenzene	*55.4*		*ug/L*	*50*		*111*	*70-140*			
Surrogate: Dibromofluoromethane	*62.7*		*ug/L*	*50*		*125*	*70-140*			
Surrogate: Toluene-d8	*49.7*		*ug/L*	*50*		*99.5*	*70-140*			
LCS (B6J1723-BS1)				Prepared: 10/17/16 Analyzed: 10/18/16						
Acetone	**47.9**	10	ug/L	50		95.8	70-130			
tert-Amyl Methyl Ether (TAME)	**17.7**	2.0	ug/L	20		88.4	70-130			
Benzene	**22.7**	0.50	ug/L	20		113	75-125			
Bromobenzene	**19.0**	0.50	ug/L	20		94.9	70-130			
Bromochloromethane	**21.5**	0.50	ug/L	20		108	70-130			
Bromodichloromethane	**23.3**	0.50	ug/L	20		117	75-125			
Bromoform	**16.3**	0.50	ug/L	20		81.3	75-125			
Bromomethane	**16.5**	0.50	ug/L	20		82.6	75-125			
2-Butanone (MEK)	**46.0**	10	ug/L	50		92.0	70-130			
tert-Butyl alcohol (TBA)	**105**	10	ug/L	100		105	70-130			
sec-Butylbenzene	**21.5**	0.50	ug/L	20		108	70-130			
tert-Butylbenzene	**22.8**	0.50	ug/L	20		114	70-130			
n-Butylbenzene	**22.3**	0.50	ug/L	20		111	70-130			
Carbon Disulfide	**41.5**	0.50	ug/L	50		83.1	70-130			
Carbon Tetrachloride	**24.2**	0.50	ug/L	20		121	75-125			
Chlorobenzene	**20.3**	0.50	ug/L	20		102	75-125			
Chloroethane	**22.5**	0.50	ug/L	20		113	75-125			

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: A5331953
Date Received: 10/10/16
Date Reported: 10/21/16

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										
Batch B6J1723 - EPA 5030B										
LCS (B6J1723-BS1) Continued				Prepared: 10/17/16 Analyzed: 10/18/16						
Chloroform	**23.5**	0.50	ug/L	20		118	75-125			
Chloromethane	**19.7**	0.50	ug/L	20		98.4	65-125			
2-Chlorotoluene	**22.2**	0.50	ug/L	20		111	70-130			
4-Chlorotoluene	**22.1**	0.50	ug/L	20		110	70-130			
1,2-Dibromo-3-chloropropane	**20.8**	1.0	ug/L	20		104	70-130			
Dibromochloromethane	**21.2**	0.50	ug/L	20		106	75-125			
1,2-Dibromoethane (EDB)	**18.1**	0.50	ug/L	20		90.6	70-130			
Dibromomethane	**21.8**	0.50	ug/L	20		109	70-130			
1,3-Dichlorobenzene	**20.4**	0.50	ug/L	20		102	70-130			
1,2-Dichlorobenzene	**21.1**	0.50	ug/L	20		105	70-130			
1,4-Dichlorobenzene	**19.9**	0.50	ug/L	20		99.6	75-125			
Dichlorodifluoromethane (R12)	**19.2**	0.50	ug/L	20		96.2	70-130			
1,1-Dichloroethane	**23.0**	0.50	ug/L	20		115	70-125			
1,2-Dichloroethane (EDC)	**23.6**	0.50	ug/L	20		118	75-125			
1,1-Dichloroethylene	**22.9**	0.50	ug/L	20		115	70-130			
trans-1,2-Dichloroethylene	**19.6**	0.50	ug/L	20		98.0	75-125			
cis-1,2-Dichloroethylene	**21.0**	0.50	ug/L	20		105	75-125			
1,2-Dichloropropane	**23.6**	0.50	ug/L	20		118	75-130			
2,2-Dichloropropane	**24.3**	0.50	ug/L	20		122	70-130			
1,3-Dichloropropane	**18.6**	0.50	ug/L	20		92.8	70-130			
cis-1,3-Dichloropropylene	**18.8**	0.50	ug/L	20		93.9	75-125			
trans-1,3-Dichloropropylene	**18.3**	0.50	ug/L	20		91.4	70-130			
1,1-Dichloropropylene	**23.0**	0.50	ug/L	20		115	70-130			
Diisopropyl ether (DIPE)	**22.0**	2.0	ug/L	20		110	70-130			
Ethylbenzene	**21.6**	0.50	ug/L	20		108	75-125			
Ethyl-tert-Butyl Ether (ETBE)	**20.0**	2.0	ug/L	20		100	70-130			
Gasoline Range Organics (GRO)	**486**	100	ug/L	500		97.3	70-130			
Hexachlorobutadiene	**18.9**	1.0	ug/L	20		94.4	70-130			
2-Hexanone (MBK)	**45.3**	10	ug/L	50		90.7	70-130			
Isopropylbenzene	**22.6**	0.50	ug/L	20		113	70-130			
4-Isopropyltoluene	**22.8**	1.0	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: A5331953
Date Received: 10/10/16
Date Reported: 10/21/16

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										
Batch B6J1723 - EPA 5030B										
LCS (B6J1723-BS1) Continued				Prepared: 10/17/16 Analyzed: 10/18/16						
Methyl-tert-Butyl Ether (MTBE)	**37.6**	1.0	ug/L	40		94.0	75-125			
Methylene Chloride	**24.9**	5.0	ug/L	20		124	75-130			
4-Methyl-2-pentanone (MIBK)	**43.7**	10	ug/L	50		87.5	70-130			
Naphthalene	**19.8**	2.0	ug/L	20		99.2	70-130			
n-Propylbenzene	**22.2**	0.50	ug/L	20		111	70-130			
Styrene	**19.4**	0.50	ug/L	20		96.8	70-130			
1,1,1,2-Tetrachloroethane	**19.4**	0.50	ug/L	20		97.1	70-130			
1,1,2,2-Tetrachloroethane	**18.4**	0.50	ug/L	20		92.2	70-135			
Tetrachloroethylene (PCE)	**18.7**	0.50	ug/L	20		93.6	75-125			
Toluene	**21.2**	0.50	ug/L	20		106	75-125			
1,2,3-Trichlorobenzene	**18.3**	0.50	ug/L	20		91.7	70-130			
1,2,4-Trichlorobenzene	**18.4**	0.50	ug/L	20		91.8	70-130			
1,1,1-Trichloroethane	**24.4**	0.50	ug/L	20		122	75-125			
1,1,2-Trichloroethane	**19.7**	0.50	ug/L	20		98.7	75-125			
Trichloroethylene (TCE)	**22.0**	0.50	ug/L	20		110	75-125			
Trichlorofluoromethane (R11)	**24.8**	0.50	ug/L	20		124	70-130			
1,2,3-Trichloropropane	**17.3**	0.50	ug/L	20		86.6	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**24.2**	0.50	ug/L	20		121	70-130			
1,3,5-Trimethylbenzene	**22.1**	0.50	ug/L	20		111	70-130			
1,2,4-Trimethylbenzene	**22.8**	0.50	ug/L	20		114	70-130			
Vinyl chloride	**23.0**	0.50	ug/L	20		115	75-125			
o-Xylene	**21.1**	0.50	ug/L	20		105	75-125			
m,p-Xylenes	**41.0**	1.0	ug/L	40		103	70-130			
Surrogate: 4-Bromofluorobenzene	*54.5*		*ug/L*	*50*		*109*	*70-140*			
Surrogate: Dibromofluoromethane	*54.0*		*ug/L*	*50*		*108*	*70-140*			
Surrogate: Toluene-d8	*53.8*		*ug/L*	*50*		*108*	*70-140*			
Matrix Spike (B6J1723-MS1)		**Source: 6J10010-02**		Prepared & Analyzed: 10/17/16						
Acetone	**55.7**	10	ug/L	50		111	70-130			
tert-Amyl Methyl Ether (TAME)	**19.0**	2.0	ug/L	20		94.8	70-130			
Benzene	**21.2**	0.50	ug/L	20		106	70-130			

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331953
Project No:	04-NDLA-013	**Date Received:**	10/10/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/21/16

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										
Batch B6J1723 - EPA 5030B										
Matrix Spike (B6J1723-MS1) Continued Source: 6J10010-02 Prepared & Analyzed: 10/17/16										
Bromobenzene	**19.4**	0.50	ug/L	20		97.2	70-130			
Bromochloromethane	**21.7**	0.50	ug/L	20		108	70-130			
Bromodichloromethane	**22.9**	0.50	ug/L	20		114	70-130			
Bromoform	**18.0**	0.50	ug/L	20		90.2	70-130			
Bromomethane	**16.9**	0.50	ug/L	20		84.7	70-130			
2-Butanone (MEK)	**51.9**	10	ug/L	50		104	70-130			
tert-Butyl alcohol (TBA)	**100**	10	ug/L	100		100	70-130			
sec-Butylbenzene	**20.6**	0.50	ug/L	20		103	70-130			
tert-Butylbenzene	**22.0**	0.50	ug/L	20		110	70-130			
n-Butylbenzene	**22.0**	0.50	ug/L	20		110	70-130			
Carbon Disulfide	**45.0**	0.50	ug/L	50		90.0	70-130			
Carbon Tetrachloride	**22.6**	0.50	ug/L	20		113	70-130			
Chlorobenzene	**19.6**	0.50	ug/L	20		98.1	70-130			
Chloroethane	**19.2**	0.50	ug/L	20		96.1	70-130			
Chloroform	**22.7**	0.50	ug/L	20		114	70-130			
Chloromethane	**19.9**	0.50	ug/L	20		99.4	70-130			
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	**24.1**	1.0	ug/L	20		121	70-130			
Dibromochloromethane	**20.9**	0.50	ug/L	20		104	70-130			
1,2-Dibromoethane (EDB)	**19.4**	0.50	ug/L	20		96.8	70-130			
Dibromomethane	**22.3**	0.50	ug/L	20		111	70-130			
1,3-Dichlorobenzene	**20.2**	0.50	ug/L	20		101	70-130			
1,2-Dichlorobenzene	**21.5**	0.50	ug/L	20		108	70-130			
1,4-Dichlorobenzene	**19.9**	0.50	ug/L	20		99.4	70-130			
Dichlorodifluoromethane (R12)	**18.5**	0.50	ug/L	20		92.6	70-130			
1,1-Dichloroethane	**22.9**	0.50	ug/L	20		114	70-130			
1,2-Dichloroethane (EDC)	**23.8**	0.50	ug/L	20		119	70-130			
1,1-Dichloroethylene	**23.1**	0.50	ug/L	20		115	70-130			
trans-1,2-Dichloroethylene	**19.9**	0.50	ug/L	20		99.7	70-130			
cis-1,2-Dichloroethylene	**20.2**	0.50	ug/L	20		101	70-130			

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331953
Date Received: 10/10/16
Date Reported: 10/21/16

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										
Batch B6J1723 - EPA 5030B										
Matrix Spike (B6J1723-MS1) Continued Source: 6J10010-02 Prepared & Analyzed: 10/17/16										
1,2-Dichloropropane	**22.1**	0.50	ug/L	20		110	70-130			
2,2-Dichloropropane	**24.2**	0.50	ug/L	20		121	70-130			
1,3-Dichloropropane	**18.9**	0.50	ug/L	20		94.6	70-130			
cis-1,3-Dichloropropylene	**19.8**	0.50	ug/L	20		99.0	70-130			
trans-1,3-Dichloropropylene	**19.9**	0.50	ug/L	20		99.5	70-130			
1,1-Dichloropropylene	**20.3**	0.50	ug/L	20		102	70-130			
Diisopropyl ether (DIPE)	**22.2**	2.0	ug/L	20		111	70-130			
Ethylbenzene	**20.0**	0.50	ug/L	20		100	70-130			
Ethyl-tert-Butyl Ether (ETBE)	**20.8**	2.0	ug/L	20		104	70-130			
Gasoline Range Organics (GRO)	**401**	100	ug/L	500		80.2	70-130			
Hexachlorobutadiene	**18.7**	1.0	ug/L	20		93.7	70-130			
2-Hexanone (MBK)	**58.8**	10	ug/L	50		118	70-130			
Isopropylbenzene	**21.5**	0.50	ug/L	20		108	70-130			
4-Isopropyltoluene	**22.2**	1.0	ug/L	20		111	70-130			
Methyl-tert-Butyl Ether (MTBE)	**41.2**	1.0	ug/L	40		103	70-130			
Methylene Chloride	**26.1**	5.0	ug/L	20	11.7	72.2	70-130			
4-Methyl-2-pentanone (MIBK)	**51.5**	10	ug/L	50		103	70-130			
Naphthalene	**24.7**	2.0	ug/L	20		123	70-130			
n-Propylbenzene	**21.5**	0.50	ug/L	20		108	70-130			
Styrene	**18.7**	0.50	ug/L	20		93.5	70-130			
1,1,1,2-Tetrachloroethane	**18.3**	0.50	ug/L	20		91.7	70-130			
1,1,2,2-Tetrachloroethane	**21.1**	0.50	ug/L	20		106	70-130			
Tetrachloroethylene (PCE)	**17.1**	0.50	ug/L	20		85.7	70-130			
Toluene	**19.2**	0.50	ug/L	20		95.8	70-130			
1,2,3-Trichlorobenzene	**19.9**	0.50	ug/L	20		99.4	70-130			
1,2,4-Trichlorobenzene	**19.1**	0.50	ug/L	20		95.6	70-130			
1,1,1-Trichloroethane	**22.3**	0.50	ug/L	20		112	70-130			
1,1,2-Trichloroethane	**19.5**	0.50	ug/L	20		97.6	70-130			
Trichloroethylene (TCE)	**20.1**	0.50	ug/L	20		100	70-130			
Trichlorofluoromethane (R11)	**23.7**	0.50	ug/L	20		118	70-130			
1,2,3-Trichloropropane	**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: A5331953
Date Received: 10/10/16
Date Reported: 10/21/16

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										
Batch B6J1723 - EPA 5030B										
Matrix Spike (B6J1723-MS1) Continued	**Source: 6J10010-02**	Prepared & Analyzed: 10/17/16								
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**24.0**	0.50	ug/L	20		120	70-130			
1,3,5-Trimethylbenzene	**21.7**	0.50	ug/L	20		109	70-130			
1,2,4-Trimethylbenzene	**22.3**	0.50	ug/L	20		112	70-130			
Vinyl chloride	**22.7**	0.50	ug/L	20		113	70-130			
o-Xylene	**20.0**	0.50	ug/L	20		99.8	70-130			
m,p-Xylenes	**38.7**	1.0	ug/L	40		96.8	70-130			
Surrogate: 4-Bromofluorobenzene	*54.6*		*ug/L*	*50*		*109*	*70-140*			
Surrogate: Dibromofluoromethane	*53.1*		*ug/L*	*50*		*106*	*70-140*			
Surrogate: Toluene-d8	*49.0*		*ug/L*	*50*		*98.0*	*70-140*			
Matrix Spike Dup (B6J1723-MSD1)	**Source: 6J10010-02**	Prepared & Analyzed: 10/17/16								
Acetone	**57.3**	10	ug/L	50		115	70-130	2.76	30	
tert-Amyl Methyl Ether (TAME)	**19.4**	2.0	ug/L	20		96.8	70-130	2.14	30	
Benzene	**22.3**	0.50	ug/L	20		111	70-130	4.73	30	
Bromobenzene	**20.2**	0.50	ug/L	20		101	70-130	3.93	30	
Bromochloromethane	**21.4**	0.50	ug/L	20		107	70-130	1.58	30	
Bromodichloromethane	**23.6**	0.50	ug/L	20		118	70-130	3.23	30	
Bromoform	**17.6**	0.50	ug/L	20		87.8	70-130	2.70	30	
Bromomethane	**17.3**	0.50	ug/L	20		86.4	70-130	2.04	30	
2-Butanone (MEK)	**58.3**	10	ug/L	50		117	70-130	11.5	30	
tert-Butyl alcohol (TBA)	**109**	10	ug/L	100		109	70-130	8.17	30	
sec-Butylbenzene	**21.2**	0.50	ug/L	20		106	70-130	2.91	30	
tert-Butylbenzene	**22.5**	0.50	ug/L	20		113	70-130	2.65	30	
n-Butylbenzene	**22.1**	0.50	ug/L	20		110	70-130	0.227	30	
Carbon Disulfide	**40.0**	0.50	ug/L	50		80.0	70-130	11.7	30	
Carbon Tetrachloride	**23.2**	0.50	ug/L	20		116	70-130	2.93	30	
Chlorobenzene	**19.7**	0.50	ug/L	20		98.6	70-130	0.508	30	
Chloroethane	**20.6**	0.50	ug/L	20		103	70-130	6.93	30	
Chloroform	**23.2**	0.50	ug/L	20		116	70-130	1.92	30	
Chloromethane	**21.3**	0.50	ug/L	20		106	70-130	6.85	30	
2-Chlorotoluene	**22.9**	0.50	ug/L	20		115	70-130	5.88	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: A5331953
Date Received: 10/10/16
Date Reported: 10/21/16

VOCs, OXY & TPH Gasoline by GC/MS - Quality Control

Batch B6J1723 - EPA 5030B

Matrix Spike Dup (B6J1723-MSD1) Continued **Source: 6J10010-02** Prepared & Analyzed: 10/17/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4-Chlorotoluene	**22.1**	0.50	ug/L	20		110	70-130	1.64	30	
1,2-Dibromo-3-chloropropane	**23.9**	1.0	ug/L	20		119	70-130	1.08	30	
Dibromochloromethane	**21.5**	0.50	ug/L	20		108	70-130	2.97	30	
1,2-Dibromoethane (EDB)	**20.2**	0.50	ug/L	20		101	70-130	4.35	30	
Dibromomethane	**23.7**	0.50	ug/L	20		119	70-130	6.31	30	
1,3-Dichlorobenzene	**20.8**	0.50	ug/L	20		104	70-130	3.27	30	
1,2-Dichlorobenzene	**22.4**	0.50	ug/L	20		112	70-130	3.92	30	
1,4-Dichlorobenzene	**20.6**	0.50	ug/L	20		103	70-130	3.36	30	
Dichlorodifluoromethane (R12)	**19.0**	0.50	ug/L	20		95.2	70-130	2.71	30	
1,1-Dichloroethane	**23.3**	0.50	ug/L	20		116	70-130	1.78	30	
1,2-Dichloroethane (EDC)	**24.2**	0.50	ug/L	20		121	70-130	1.67	30	
1,1-Dichloroethylene	**23.8**	0.50	ug/L	20		119	70-130	3.11	30	
trans-1,2-Dichloroethylene	**20.3**	0.50	ug/L	20		102	70-130	1.79	30	
cis-1,2-Dichloroethylene	**20.4**	0.50	ug/L	20		102	70-130	1.03	30	
1,2-Dichloropropane	**23.8**	0.50	ug/L	20		119	70-130	7.49	30	
2,2-Dichloropropane	**23.9**	0.50	ug/L	20		120	70-130	1.25	30	
1,3-Dichloropropane	**19.3**	0.50	ug/L	20		96.6	70-130	1.99	30	
cis-1,3-Dichloropropylene	**20.3**	0.50	ug/L	20		102	70-130	2.69	30	
trans-1,3-Dichloropropylene	**20.3**	0.50	ug/L	20		101	70-130	1.79	30	
1,1-Dichloropropylene	**21.9**	0.50	ug/L	20		110	70-130	7.48	30	
Diisopropyl ether (DIPE)	**23.4**	2.0	ug/L	20		117	70-130	5.00	30	
Ethylbenzene	**20.4**	0.50	ug/L	20		102	70-130	1.73	30	
Ethyl-tert-Butyl Ether (ETBE)	**21.6**	2.0	ug/L	20		108	70-130	3.91	30	
Gasoline Range Organics (GRO)	**446**	100	ug/L	500		89.2	70-130	10.6	30	
Hexachlorobutadiene	**19.8**	1.0	ug/L	20		99.0	70-130	5.50	30	
2-Hexanone (MBK)	**56.2**	10	ug/L	50		112	70-130	4.54	30	
Isopropylbenzene	**22.2**	0.50	ug/L	20		111	70-130	3.06	30	
4-Isopropyltoluene	**22.3**	1.0	ug/L	20		112	70-130	0.539	30	
Methyl-tert-Butyl Ether (MTBE)	**43.6**	1.0	ug/L	40		109	70-130	5.59	30	
Methylene Chloride	**27.2**	5.0	ug/L	20	11.7	77.7	70-130	4.12	30	
4-Methyl-2-pentanone (MIBK)	**53.0**	10	ug/L	50		106	70-130	3.04	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: A5331953
Date Received: 10/10/16
Date Reported: 10/21/16

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										
Batch B6J1723 - EPA 5030B										
Matrix Spike Dup (B6J1723-MSD1) Continued		**Source: 6J10010-02**		Prepared & Analyzed: 10/17/16						
Naphthalene	**25.7**	2.0	ug/L	20		129	70-130	4.05	30	
n-Propylbenzene	**22.2**	0.50	ug/L	20		111	70-130	3.02	30	
Styrene	**18.8**	0.50	ug/L	20		94.2	70-130	0.746	30	
1,1,1,2-Tetrachloroethane	**18.5**	0.50	ug/L	20		92.5	70-130	0.869	30	
1,1,2,2-Tetrachloroethane	**21.3**	0.50	ug/L	20		106	70-130	0.801	30	
Tetrachloroethylene (PCE)	**18.3**	0.50	ug/L	20		91.3	70-130	6.33	30	
Toluene	**20.1**	0.50	ug/L	20		100	70-130	4.79	30	
1,2,3-Trichlorobenzene	**20.8**	0.50	ug/L	20		104	70-130	4.23	30	
1,2,4-Trichlorobenzene	**20.0**	0.50	ug/L	20		100	70-130	4.70	30	
1,1,1-Trichloroethane	**23.8**	0.50	ug/L	20		119	70-130	6.33	30	
1,1,2-Trichloroethane	**20.7**	0.50	ug/L	20		103	70-130	5.67	30	
Trichloroethylene (TCE)	**20.8**	0.50	ug/L	20		104	70-130	3.33	30	
Trichlorofluoromethane (R11)	**24.6**	0.50	ug/L	20		123	70-130	3.89	30	
1,2,3-Trichloropropane	**19.9**	0.50	ug/L	20		99.6	70-130	4.56	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**23.7**	0.50	ug/L	20		119	70-130	1.34	30	
1,3,5-Trimethylbenzene	**21.8**	0.50	ug/L	20		109	70-130	0.413	30	
1,2,4-Trimethylbenzene	**22.7**	0.50	ug/L	20		114	70-130	1.77	30	
Vinyl chloride	**23.7**	0.50	ug/L	20		119	70-130	4.48	30	
o-Xylene	**20.3**	0.50	ug/L	20		101	70-130	1.54	30	
m,p-Xylenes	**38.6**	1.0	ug/L	40		96.5	70-130	0.284	30	
Surrogate: 4-Bromofluorobenzene	*55.4*		*ug/L*	*50*		*111*	*70-140*			
Surrogate: Dibromofluoromethane	*52.8*		*ug/L*	*50*		*106*	*70-140*			
Surrogate: Toluene-d8	*48.8*		*ug/L*	*50*		*97.6*	*70-140*			
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1723 - EPA 5030B										
Blank (B6J1723-BLK1)				Prepared & Analyzed: 10/17/16						
Acetone	<10	10	ug/L							
tert-Amyl Methyl Ether (TAME)	<2.0	2.0	ug/L							
Benzene	<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: A5331953
Date Received: 10/10/16
Date Reported: 10/21/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

VOCs & OXYGENATES by GC/MS - Quality Control

Batch B6J1723 - EPA 5030B

Blank (B6J1723-BLK1) Continued Prepared & Analyzed: 10/17/16

Analyte	Result	Reporting Limit	Units
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
cis-1,2-Dichloroethylene	<0.50	0.50	ug/L

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331953
Date Received: 10/10/16
Date Reported: 10/21/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1723 - EPA 5030B										
Blank (B6J1723-BLK1) Continued				Prepared & Analyzed: 10/17/16						
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)	<1.0	1.0	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							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<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: A5331953
Date Received: 10/10/16
Date Reported: 10/21/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1723 - EPA 5030B										
Blank (B6J1723-BLK1) Continued				Prepared & Analyzed: 10/17/16						
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							
Surrogate: 4-Bromofluorobenzene	*55.4*		*ug/L*	*50*		*111*	*70-140*			
Surrogate: Dibromofluoromethane	*62.7*		*ug/L*	*50*		*125*	*70-140*			
Surrogate: Toluene-d8	*49.7*		*ug/L*	*50*		*99.5*	*70-140*			
LCS (B6J1723-BS1)				Prepared: 10/17/16 Analyzed: 10/18/16						
Acetone	**47.9**	10	ug/L	50		95.8	70-130			
tert-Amyl Methyl Ether (TAME)	**17.7**	2.0	ug/L	20		88.4	70-130			
Benzene	**22.7**	0.50	ug/L	20		113	75-125			
Bromobenzene	**19.0**	0.50	ug/L	20		94.9	70-130			
Bromochloromethane	**21.5**	0.50	ug/L	20		108	70-130			
Bromodichloromethane	**23.3**	0.50	ug/L	20		117	75-125			
Bromoform	**16.3**	0.50	ug/L	20		81.3	75-125			
Bromomethane	**16.5**	0.50	ug/L	20		82.6	75-125			
2-Butanone (MEK)	**46.0**	10	ug/L	50		92.0	70-130			
tert-Butyl alcohol (TBA)	**105**	10	ug/L	100		105	70-130			
sec-Butylbenzene	**21.5**	0.50	ug/L	20		108	70-130			
tert-Butylbenzene	**22.8**	0.50	ug/L	20		114	70-130			
n-Butylbenzene	**22.3**	0.50	ug/L	20		111	70-130			
Carbon Disulfide	**41.5**	0.50	ug/L	50		83.1	70-130			
Carbon Tetrachloride	**24.2**	0.50	ug/L	20		121	75-125			
Chlorobenzene	**20.3**	0.50	ug/L	20		102	75-125			
Chloroethane	**22.5**	0.50	ug/L	20		113	75-125			
Chloroform	**23.5**	0.50	ug/L	20		118	75-125			
Chloromethane	**19.7**	0.50	ug/L	20		98.4	65-125			
2-Chlorotoluene	**22.2**	0.50	ug/L	20		111	70-130			
4-Chlorotoluene	**22.1**	0.50	ug/L	20		110	70-130			
1,2-Dibromo-3-chloropropane	**20.8**	1.0	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: A5331953
Date Received: 10/10/16
Date Reported: 10/21/16

VOCs & OXYGENATES by GC/MS - Quality Control

Batch B6J1723 - EPA 5030B

LCS (B6J1723-BS1) Continued Prepared: 10/17/16 Analyzed: 10/18/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Dibromochloromethane	**21.2**	0.50	ug/L	20		106	75-125			
1,2-Dibromoethane (EDB)	**18.1**	0.50	ug/L	20		90.6	70-130			
Dibromomethane	**21.8**	0.50	ug/L	20		109	70-130			
1,3-Dichlorobenzene	**20.4**	0.50	ug/L	20		102	70-130			
1,2-Dichlorobenzene	**21.1**	0.50	ug/L	20		105	70-130			
1,4-Dichlorobenzene	**19.9**	0.50	ug/L	20		99.6	75-125			
Dichlorodifluoromethane (R12)	**19.2**	0.50	ug/L	20		96.2	70-130			
1,1-Dichloroethane	**23.0**	0.50	ug/L	20		115	70-125			
1,2-Dichloroethane (EDC)	**23.6**	0.50	ug/L	20		118	75-125			
1,1-Dichloroethylene	**22.9**	0.50	ug/L	20		115	70-130			
trans-1,2-Dichloroethylene	**19.6**	0.50	ug/L	20		98.0	75-125			
cis-1,2-Dichloroethylene	**21.0**	0.50	ug/L	20		105	75-125			
1,2-Dichloropropane	**23.6**	0.50	ug/L	20		118	75-130			
2,2-Dichloropropane	**24.3**	0.50	ug/L	20		122	70-130			
1,3-Dichloropropane	**18.6**	0.50	ug/L	20		92.8	70-130			
cis-1,3-Dichloropropylene	**18.8**	0.50	ug/L	20		93.9	75-125			
trans-1,3-Dichloropropylene	**18.3**	0.50	ug/L	20		91.4	70-130			
1,1-Dichloropropylene	**23.0**	0.50	ug/L	20		115	70-130			
Diisopropyl ether (DIPE)	**22.0**	2.0	ug/L	20		110	70-130			
Ethylbenzene	**21.6**	0.50	ug/L	20		108	75-125			
Ethyl-tert-Butyl Ether (ETBE)	**20.0**	2.0	ug/L	20		100	70-130			
Hexachlorobutadiene	**18.9**	1.0	ug/L	20		94.4	70-130			
2-Hexanone (MBK)	**45.3**	10	ug/L	50		90.7	70-130			
Isopropylbenzene	**22.6**	0.50	ug/L	20		113	70-130			
4-Isopropyltoluene	**22.8**	1.0	ug/L	20		114	70-130			
Methyl-tert-Butyl Ether (MTBE)	**37.6**	1.0	ug/L	40		94.0	75-125			
Methylene Chloride	**24.9**	5.0	ug/L	20		124	75-130			
4-Methyl-2-pentanone (MIBK)	**43.7**	10	ug/L	50		87.5	70-130			
Naphthalene	**19.8**	2.0	ug/L	20		99.2	70-130			
n-Propylbenzene	**22.2**	0.50	ug/L	20		111	70-130			
Styrene	**19.4**	0.50	ug/L	20		96.8	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: A5331953
Date Received: 10/10/16
Date Reported: 10/21/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1723 - EPA 5030B										
LCS (B6J1723-BS1) Continued				Prepared: 10/17/16 Analyzed: 10/18/16						
1,1,1,2-Tetrachloroethane	**19.4**	0.50	ug/L	20		97.1	70-130			
1,1,2,2-Tetrachloroethane	**18.4**	0.50	ug/L	20		92.2	70-135			
Tetrachloroethylene (PCE)	**18.7**	0.50	ug/L	20		93.6	75-125			
Toluene	**21.2**	0.50	ug/L	20		106	75-125			
1,2,3-Trichlorobenzene	**18.3**	0.50	ug/L	20		91.7	70-130			
1,2,4-Trichlorobenzene	**18.4**	0.50	ug/L	20		91.8	70-130			
1,1,1-Trichloroethane	**24.4**	0.50	ug/L	20		122	75-125			
1,1,2-Trichloroethane	**19.7**	0.50	ug/L	20		98.7	75-125			
Trichloroethylene (TCE)	**22.0**	0.50	ug/L	20		110	75-125			
Trichlorofluoromethane (R11)	**24.8**	0.50	ug/L	20		124	70-130			
1,2,3-Trichloropropane	**17.3**	0.50	ug/L	20		86.6	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**24.2**	0.50	ug/L	20		121	70-130			
1,3,5-Trimethylbenzene	**22.1**	0.50	ug/L	20		111	70-130			
1,2,4-Trimethylbenzene	**22.8**	0.50	ug/L	20		114	70-130			
Vinyl chloride	**23.0**	0.50	ug/L	20		115	75-125			
o-Xylene	**21.1**	0.50	ug/L	20		105	75-125			
m,p-Xylenes	**41.0**	1.0	ug/L	40		103	70-130			
Surrogate: 4-Bromofluorobenzene	*54.5*		*ug/L*	*50*		*109*	*70-140*			
Surrogate: Dibromofluoromethane	*54.0*		*ug/L*	*50*		*108*	*70-140*			
Surrogate: Toluene-d8	*53.8*		*ug/L*	*50*		*108*	*70-140*			
Matrix Spike (B6J1723-MS1)		**Source: 6J10010-02**		Prepared & Analyzed: 10/17/16						
Acetone	**55.7**	10	ug/L	50	<10	111	70-130			
tert-Amyl Methyl Ether (TAME)	**19.0**	2.0	ug/L	20	<2.0	94.8	70-130			
Benzene	**21.2**	0.50	ug/L	20	<0.50	106	70-130			
Bromobenzene	**19.4**	0.50	ug/L	20	<0.50	97.2	70-130			
Bromochloromethane	**21.7**	0.50	ug/L	20	<0.50	108	70-130			
Bromodichloromethane	**22.9**	0.50	ug/L	20	<0.50	114	70-130			
Bromoform	**18.0**	0.50	ug/L	20	<0.50	90.2	70-130			
Bromomethane	**16.9**	0.50	ug/L	20	<0.50	84.7	70-130			
2-Butanone (MEK)	**51.9**	10	ug/L	50	<10	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: A5331953
Date Received: 10/10/16
Date Reported: 10/21/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

VOCs & OXYGENATES by GC/MS - Quality Control

Batch B6J1723 - EPA 5030B

Matrix Spike (B6J1723-MS1) Continued Source: 6J10010-02 Prepared & Analyzed: 10/17/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
tert-Butyl alcohol (TBA)	**100**	10	ug/L	100	<10	100	70-130			
sec-Butylbenzene	**20.6**	0.50	ug/L	20	<0.50	103	70-130			
tert-Butylbenzene	**22.0**	0.50	ug/L	20	<0.50	110	70-130			
n-Butylbenzene	**22.0**	0.50	ug/L	20	<0.50	110	70-130			
Carbon Disulfide	**45.0**	0.50	ug/L	50	<0.50	90.0	70-130			
Carbon Tetrachloride	**22.6**	0.50	ug/L	20	<0.50	113	70-130			
Chlorobenzene	**19.6**	0.50	ug/L	20	<0.50	98.1	70-130			
Chloroethane	**19.2**	0.50	ug/L	20	<0.50	96.1	70-130			
Chloroform	**22.7**	0.50	ug/L	20	<0.50	114	70-130			
Chloromethane	**19.9**	0.50	ug/L	20	<0.50	99.4	70-130			
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	**24.1**	1.0	ug/L	20	<1.0	121	70-130			
Dibromochloromethane	**20.9**	0.50	ug/L	20	<0.50	104	70-130			
1,2-Dibromoethane (EDB)	**19.4**	0.50	ug/L	20	<0.50	96.8	70-130			
Dibromomethane	**22.3**	0.50	ug/L	20	<0.50	111	70-130			
1,3-Dichlorobenzene	**20.2**	0.50	ug/L	20	<0.50	101	70-130			
1,2-Dichlorobenzene	**21.5**	0.50	ug/L	20	<0.50	108	70-130			
1,4-Dichlorobenzene	**19.9**	0.50	ug/L	20	<0.50	99.4	70-130			
Dichlorodifluoromethane (R12)	**18.5**	0.50	ug/L	20	<0.50	92.6	70-130			
1,1-Dichloroethane	**22.9**	0.50	ug/L	20	<0.50	114	70-130			
1,2-Dichloroethane (EDC)	**23.8**	0.50	ug/L	20	<0.50	119	70-130			
1,1-Dichloroethylene	**23.1**	0.50	ug/L	20	<0.50	115	70-130			
trans-1,2-Dichloroethylene	**19.9**	0.50	ug/L	20	<0.50	99.7	70-130			
cis-1,2-Dichloroethylene	**20.2**	0.50	ug/L	20	<0.50	101	70-130			
1,2-Dichloropropane	**22.1**	0.50	ug/L	20	<0.50	110	70-130			
2,2-Dichloropropane	**24.2**	0.50	ug/L	20	<0.50	121	70-130			
1,3-Dichloropropane	**18.9**	0.50	ug/L	20	<0.50	94.6	70-130			
cis-1,3-Dichloropropylene	**19.8**	0.50	ug/L	20	<0.50	99.0	70-130			
trans-1,3-Dichloropropylene	**19.9**	0.50	ug/L	20	<0.50	99.5	70-130			
1,1-Dichloropropylene	**20.3**	0.50	ug/L	20	<0.50	102	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: A5331953
Date Received: 10/10/16
Date Reported: 10/21/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1723 - EPA 5030B										
Matrix Spike (B6J1723-MS1) Continued Source: 6J10010-02 Prepared & Analyzed: 10/17/16										
Diisopropyl ether (DIPE)	**22.2**	2.0	ug/L	20	<2.0	111	70-130			
Ethylbenzene	**20.0**	0.50	ug/L	20	<0.50	100	70-130			
Ethyl-tert-Butyl Ether (ETBE)	**20.8**	2.0	ug/L	20	<2.0	104	70-130			
Hexachlorobutadiene	**18.7**	1.0	ug/L	20	<1.0	93.7	70-130			
2-Hexanone (MBK)	**58.8**	10	ug/L	50	<10	118	70-130			
Isopropylbenzene	**21.5**	0.50	ug/L	20	<0.50	108	70-130			
4-Isopropyltoluene	**22.2**	1.0	ug/L	20	<1.0	111	70-130			
Methyl-tert-Butyl Ether (MTBE)	**41.2**	1.0	ug/L	40	<1.0	103	70-130			
Methylene Chloride	**26.1**	5.0	ug/L	20	<5.0	131	70-130			
4-Methyl-2-pentanone (MIBK)	**51.5**	10	ug/L	50	<10	103	70-130			
Naphthalene	**24.7**	2.0	ug/L	20	<2.0	123	70-130			
n-Propylbenzene	**21.5**	0.50	ug/L	20	<0.50	108	70-130			
Styrene	**18.7**	0.50	ug/L	20	<0.50	93.5	70-130			
1,1,1,2-Tetrachloroethane	**18.3**	0.50	ug/L	20	<0.50	91.7	70-130			
1,1,2,2-Tetrachloroethane	**21.1**	0.50	ug/L	20	<0.50	106	70-130			
Tetrachloroethylene (PCE)	**17.1**	0.50	ug/L	20	<0.50	85.7	70-130			
Toluene	**19.2**	0.50	ug/L	20	<0.50	95.8	70-130			
1,2,3-Trichlorobenzene	**19.9**	0.50	ug/L	20	<0.50	99.4	70-130			
1,2,4-Trichlorobenzene	**19.1**	0.50	ug/L	20	<0.50	95.6	70-130			
1,1,1-Trichloroethane	**22.3**	0.50	ug/L	20	<0.50	112	70-130			
1,1,2-Trichloroethane	**19.5**	0.50	ug/L	20	<0.50	97.6	70-130			
Trichloroethylene (TCE)	**20.1**	0.50	ug/L	20	<0.50	100	70-130			
Trichlorofluoromethane (R11)	**23.7**	0.50	ug/L	20	<0.50	118	70-130			
1,2,3-Trichloropropane	**20.8**	0.50	ug/L	20	<0.50	104	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**24.0**	0.50	ug/L	20	<0.50	120	70-130			
1,3,5-Trimethylbenzene	**21.7**	0.50	ug/L	20	<0.50	109	70-130			
1,2,4-Trimethylbenzene	**22.3**	0.50	ug/L	20	<0.50	112	70-130			
Vinyl chloride	**22.7**	0.50	ug/L	20	<0.50	113	70-130			
o-Xylene	**20.0**	0.50	ug/L	20	<0.50	99.8	70-130			
m,p-Xylenes	**38.7**	1.0	ug/L	40	<1.0	96.8	70-130			

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331953
Date Received: 10/10/16
Date Reported: 10/21/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1723 - EPA 5030B										
Matrix Spike (B6J1723-MS1) Continued	**Source: 6J10010-02**	Prepared & Analyzed: 10/17/16								
Surrogate: 4-Bromofluorobenzene	*54.6*		*ug/L*	*50*		*109*	*70-140*			
Surrogate: Dibromofluoromethane	*53.1*		*ug/L*	*50*		*106*	*70-140*			
Surrogate: Toluene-d8	*49.0*		*ug/L*	*50*		*98.0*	*70-140*			
Matrix Spike Dup (B6J1723-MSD1)	**Source: 6J10010-02**	Prepared & Analyzed: 10/17/16								
Acetone	**57.3**	10	ug/L	50	<10	115	70-130	2.76	30	
tert-Amyl Methyl Ether (TAME)	**19.4**	2.0	ug/L	20	<2.0	96.8	70-130	2.14	30	
Benzene	**22.3**	0.50	ug/L	20	<0.50	111	70-130	4.73	30	
Bromobenzene	**20.2**	0.50	ug/L	20	<0.50	101	70-130	3.93	30	
Bromochloromethane	**21.4**	0.50	ug/L	20	<0.50	107	70-130	1.58	30	
Bromodichloromethane	**23.6**	0.50	ug/L	20	<0.50	118	70-130	3.23	30	
Bromoform	**17.6**	0.50	ug/L	20	<0.50	87.8	70-130	2.70	30	
Bromomethane	**17.3**	0.50	ug/L	20	<0.50	86.4	70-130	2.04	30	
2-Butanone (MEK)	**58.3**	10	ug/L	50	<10	117	70-130	11.5	30	
tert-Butyl alcohol (TBA)	**109**	10	ug/L	100	<10	109	70-130	8.17	30	
sec-Butylbenzene	**21.2**	0.50	ug/L	20	<0.50	106	70-130	2.91	30	
tert-Butylbenzene	**22.5**	0.50	ug/L	20	<0.50	113	70-130	2.65	30	
n-Butylbenzene	**22.1**	0.50	ug/L	20	<0.50	110	70-130	0.227	30	
Carbon Disulfide	**40.0**	0.50	ug/L	50	<0.50	80.0	70-130	11.7	30	
Carbon Tetrachloride	**23.2**	0.50	ug/L	20	<0.50	116	70-130	2.93	30	
Chlorobenzene	**19.7**	0.50	ug/L	20	<0.50	98.6	70-130	0.508	30	
Chloroethane	**20.6**	0.50	ug/L	20	<0.50	103	70-130	6.93	30	
Chloroform	**23.2**	0.50	ug/L	20	<0.50	116	70-130	1.92	30	
Chloromethane	**21.3**	0.50	ug/L	20	<0.50	106	70-130	6.85	30	
2-Chlorotoluene	**22.9**	0.50	ug/L	20	<0.50	115	70-130	5.88	30	
4-Chlorotoluene	**22.1**	0.50	ug/L	20	<0.50	110	70-130	1.64	30	
1,2-Dibromo-3-chloropropane	**23.9**	1.0	ug/L	20	<1.0	119	70-130	1.08	30	
Dibromochloromethane	**21.5**	0.50	ug/L	20	<0.50	108	70-130	2.97	30	
1,2-Dibromoethane (EDB)	**20.2**	0.50	ug/L	20	<0.50	101	70-130	4.35	30	
Dibromomethane	**23.7**	0.50	ug/L	20	<0.50	119	70-130	6.31	30	
1,3-Dichlorobenzene	**20.8**	0.50	ug/L	20	<0.50	104	70-130	3.27	30	
1,2-Dichlorobenzene	**22.4**	0.50	ug/L	20	<0.50	112	70-130	3.92	30	

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331953
Date Received: 10/10/16
Date Reported: 10/21/16

VOCs & OXYGENATES by GC/MS - Quality Control

Batch B6J1723 - EPA 5030B

Matrix Spike Dup (B6J1723-MSD1) Continued **Source: 6J10010-02** Prepared & Analyzed: 10/17/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,4-Dichlorobenzene	**20.6**	0.50	ug/L	20	<0.50	103	70-130	3.36	30	
Dichlorodifluoromethane (R12)	**19.0**	0.50	ug/L	20	<0.50	95.2	70-130	2.71	30	
1,1-Dichloroethane	**23.3**	0.50	ug/L	20	<0.50	116	70-130	1.78	30	
1,2-Dichloroethane (EDC)	**24.2**	0.50	ug/L	20	<0.50	121	70-130	1.67	30	
1,1-Dichloroethylene	**23.8**	0.50	ug/L	20	<0.50	119	70-130	3.11	30	
trans-1,2-Dichloroethylene	**20.3**	0.50	ug/L	20	<0.50	102	70-130	1.79	30	
cis-1,2-Dichloroethylene	**20.4**	0.50	ug/L	20	<0.50	102	70-130	1.03	30	
1,2-Dichloropropane	**23.8**	0.50	ug/L	20	<0.50	119	70-130	7.49	30	
2,2-Dichloropropane	**23.9**	0.50	ug/L	20	<0.50	120	70-130	1.25	30	
1,3-Dichloropropane	**19.3**	0.50	ug/L	20	<0.50	96.6	70-130	1.99	30	
cis-1,3-Dichloropropylene	**20.3**	0.50	ug/L	20	<0.50	102	70-130	2.69	30	
trans-1,3-Dichloropropylene	**20.3**	0.50	ug/L	20	<0.50	101	70-130	1.79	30	
1,1-Dichloropropylene	**21.9**	0.50	ug/L	20	<0.50	110	70-130	7.48	30	
Diisopropyl ether (DIPE)	**23.4**	2.0	ug/L	20	<2.0	117	70-130	5.00	30	
Ethylbenzene	**20.4**	0.50	ug/L	20	<0.50	102	70-130	1.73	30	
Ethyl-tert-Butyl Ether (ETBE)	**21.6**	2.0	ug/L	20	<2.0	108	70-130	3.91	30	
Hexachlorobutadiene	**19.8**	1.0	ug/L	20	<1.0	99.0	70-130	5.50	30	
2-Hexanone (MBK)	**56.2**	10	ug/L	50	<10	112	70-130	4.54	30	
Isopropylbenzene	**22.2**	0.50	ug/L	20	<0.50	111	70-130	3.06	30	
4-Isopropyltoluene	**22.3**	1.0	ug/L	20	<1.0	112	70-130	0.539	30	
Methyl-tert-Butyl Ether (MTBE)	**43.6**	1.0	ug/L	40	<1.0	109	70-130	5.59	30	
Methylene Chloride	**27.2**	5.0	ug/L	20	<5.0	136	70-130	4.12	30	
4-Methyl-2-pentanone (MIBK)	**53.0**	10	ug/L	50	<10	106	70-130	3.04	30	
Naphthalene	**25.7**	2.0	ug/L	20	<2.0	129	70-130	4.05	30	
n-Propylbenzene	**22.2**	0.50	ug/L	20	<0.50	111	70-130	3.02	30	
Styrene	**18.8**	0.50	ug/L	20	<0.50	94.2	70-130	0.746	30	
1,1,1,2-Tetrachloroethane	**18.5**	0.50	ug/L	20	<0.50	92.5	70-130	0.869	30	
1,1,2,2-Tetrachloroethane	**21.3**	0.50	ug/L	20	<0.50	106	70-130	0.801	30	
Tetrachloroethylene (PCE)	**18.3**	0.50	ug/L	20	<0.50	91.3	70-130	6.33	30	
Toluene	**20.1**	0.50	ug/L	20	<0.50	100	70-130	4.79	30	
1,2,3-Trichlorobenzene	**20.8**	0.50	ug/L	20	<0.50	104	70-130	4.23	30	

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331953
Date Received: 10/10/16
Date Reported: 10/21/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1723 - EPA 5030B										
Matrix Spike Dup (B6J1723-MSD1) Continued		**Source: 6J10010-02**		Prepared & Analyzed: 10/17/16						
1,2,4-Trichlorobenzene	**20.0**	0.50	ug/L	20	<0.50	100	70-130	4.70	30	
1,1,1-Trichloroethane	**23.8**	0.50	ug/L	20	<0.50	119	70-130	6.33	30	
1,1,2-Trichloroethane	**20.7**	0.50	ug/L	20	<0.50	103	70-130	5.67	30	
Trichloroethylene (TCE)	**20.8**	0.50	ug/L	20	<0.50	104	70-130	3.33	30	
Trichlorofluoromethane (R11)	**24.6**	0.50	ug/L	20	<0.50	123	70-130	3.89	30	
1,2,3-Trichloropropane	**19.9**	0.50	ug/L	20	<0.50	99.6	70-130	4.56	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**23.7**	0.50	ug/L	20	<0.50	119	70-130	1.34	30	
1,3,5-Trimethylbenzene	**21.8**	0.50	ug/L	20	<0.50	109	70-130	0.413	30	
1,2,4-Trimethylbenzene	**22.7**	0.50	ug/L	20	<0.50	114	70-130	1.77	30	
Vinyl chloride	**23.7**	0.50	ug/L	20	<0.50	119	70-130	4.48	30	
o-Xylene	**20.3**	0.50	ug/L	20	<0.50	101	70-130	1.54	30	
m,p-Xylenes	**38.6**	1.0	ug/L	40	<1.0	96.5	70-130	0.284	30	
Surrogate: 4-Bromofluorobenzene	*55.4*		*ug/L*	*50*		*111*	*70-140*			
Surrogate: Dibromofluoromethane	*52.8*		*ug/L*	*50*		*106*	*70-140*			
Surrogate: Toluene-d8	*48.8*		*ug/L*	*50*		*97.6*	*70-140*			
Diesel Range Organics by GC/FID - Quality Control										
Batch B6J1220 - EPA 3510C										
Blank (B6J1220-BLK1)				Prepared: 10/12/16 Analyzed: 10/13/16						
Diesel Range Organics as Diesel	<0.10	0.10	mg/L							
Surrogate: o-Terphenyl	*0.0398*		*mg/L*	*0.040*		*99.6*	*50-150*			
LCS (B6J1220-BS1)				Prepared: 10/12/16 Analyzed: 10/13/16						
Diesel Range Organics as Diesel	**0.904**	0.10	mg/L	0.80		113	75-125			
Surrogate: o-Terphenyl	*0.0546*		*mg/L*	*0.040*		*136*	*50-150*			
LCS Dup (B6J1220-BSD1)				Prepared: 10/12/16 Analyzed: 10/13/16						
Diesel Range Organics as Diesel	**0.806**	0.10	mg/L	0.80		101	75-125	11.5	30	
Surrogate: o-Terphenyl	*0.0513*		*mg/L*	*0.040*		*128*	*50-150*			
Gasoline Range Organics by GC/FID - Quality Control										

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331953
Date Received: 10/10/16
Date Reported: 10/21/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Gasoline Range Organics by GC/FID - Quality Control										
Batch B6J1039 - EPA 5030B										
Blank (B6J1039-BLK1)				Prepared & Analyzed: 10/10/16						
Gasoline Range Organics (GRO)	<100	100	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*52.4*		*ug/L*	*50*		*105*	*80-120*			
LCS (B6J1039-BS1)				Prepared & Analyzed: 10/10/16						
Gasoline Range Organics (GRO)	**437**	100	ug/L	500		87.4	75-125			
Surrogate: a,a,a-Trifluorotoluene	*46.6*		*ug/L*	*50*		*93.2*	*80-120*			
LCS Dup (B6J1039-BSD1)				Prepared & Analyzed: 10/10/16						
Gasoline Range Organics (GRO)	**447**	100	ug/L	500		89.4	75-125	2.22	30	
Surrogate: a,a,a-Trifluorotoluene	*48.8*		*ug/L*	*50*		*97.5*	*80-120*			
Batch B6J1129 - EPA 5030B										
Blank (B6J1129-BLK1)				Prepared & Analyzed: 10/11/16						
Gasoline Range Organics (GRO)	<100	100	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*47.8*		*ug/L*	*50*		*95.7*	*80-120*			
LCS (B6J1129-BS1)				Prepared & Analyzed: 10/11/16						
Gasoline Range Organics (GRO)	**425**	100	ug/L	500		85.1	75-125			
Surrogate: a,a,a-Trifluorotoluene	*45.2*		*ug/L*	*50*		*90.4*	*80-120*			
LCS Dup (B6J1129-BSD1)				Prepared & Analyzed: 10/11/16						
Gasoline Range Organics (GRO)	**429**	100	ug/L	500		85.8	75-125	0.825	30	
Surrogate: a,a,a-Trifluorotoluene	*48.4*		*ug/L*	*50*		*96.7*	*80-120*			
Matrix Spike (B6J1129-MS1)		**Source: 6J10011-03**		Prepared & Analyzed: 10/11/16						
Gasoline Range Organics (GRO)	**486**	100	ug/L	500	53.4	86.5	70-130			
Surrogate: a,a,a-Trifluorotoluene	*45.8*		*ug/L*	*50*		*91.6*	*80-120*			
Matrix Spike Dup (B6J1129-MSD1)		**Source: 6J10011-03**		Prepared & Analyzed: 10/11/16						
Gasoline Range Organics (GRO)	**476**	100	ug/L	500	53.4	84.6	70-130	1.99	30	
Surrogate: a,a,a-Trifluorotoluene	*44.1*		*ug/L*	*50*		*88.2*	*80-120*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331953
Project No:	04-NDLA-013	**Date Received:**	10/10/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/21/16

Special Notes

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.: 125894

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Client:	APEX-SGI	Project Name / No.:	DFSP Norwalk	Sampler's Name:	DAvid Webber
Project Manager:	DAN Swenson	Site Address:	15306 Norwalk Blvd	Sampler's Signature:	
Phone:	1-562-597-1055	City:	Norwalk	P.O. No.:	—
Fax:	1-562-597-1070	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)

Please enter the TAT Turnaround Codes ** below

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	8260B	8015 TPH-G	8015m D	Special Instructions
QCTB-1	6J10010-01	10-7-16	600	Gw	2	X			
Gw-8	-02	10-7-16	8:20	Gw	7	X	X	X	
GMW-6	-03	10-7-16	900	Gw	7	X	X	X	
GMW-47	-04	10-7-16	9:35	Gw	6	X	X	X	
DUP-5	-05	10-7-16	xxxx	Gw	6	X	X	X	
GMW-57	-06	10-7-16	10:10	Gw	7	X	X	X	
GMW-60	-07	10-7-16	10:40	Gw	7	X	X	X	
GMW-61	-08	10-7-16	11:10	Gw	7	X	X	X	
MW-16	-09	10-7-16	12:20	Gw	7	X	X	X	
EXP-1	-10	10-7-16	11:45	Gw	7	X	X	X	
MW-29	-11	10-7-16	12:55	Gw	7	X	X	X	
DUP-6	-12	10-7-16	xxxx	Gw	7	X	X	X	
QCEB-1	-13	10-7-16	1:30	Gw	2	X			

SAMPLE INTEGRITY
INTACT Y N TEMP —

'16OCT10 13:29

For Laboratory Use

REVIEWED
Date 10/10/16 Time 1415
TAT N Days Sign:

A.A. Project No.: A5331953/6J10010

Relinquished by	Date	Time	Received by
	10-10-16	12:10	
	10/10/16	13:29	

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

October 21, 2016

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

Re : DFSP Norwalk GW Sampling / 04-NDLA-013

A5331954 / 6J10011

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 10/10/16 13:28 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 Analytics.

Sincerely,

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: A5331954
Date Received: 10/10/16
Date Reported: 10/21/16

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8260B+OXY+TPHG					
QCTB-1	6J10011-01	Water	5	10/10/16 06:00	10/10/16 13:28
QCEB-1	6J10011-09	Water	5	10/10/16 11:15	10/10/16 13:28
8260B+OXYGENATES					
GMW-12	6J10011-02	Water	5	10/10/16 08:05	10/10/16 13:28
TF-8	6J10011-03	Water	5	10/10/16 08:40	10/10/16 13:28
DUP-7	6J10011-04	Water	5	10/10/16 00:00	10/10/16 13:28
GW-4	6J10011-05	Water	5	10/10/16 09:15	10/10/16 13:28
GMW-21	6J10011-06	Water	5	10/10/16 09:50	10/10/16 13:28
GMW-15	6J10011-07	Water	5	10/10/16 10:25	10/10/16 13:28
GMW-45	6J10011-08	Water	5	10/10/16 10:55	10/10/16 13:28
Diesel Range Organics 8015M					
GMW-12	6J10011-02	Water	5	10/10/16 08:05	10/10/16 13:28
TF-8	6J10011-03	Water	5	10/10/16 08:40	10/10/16 13:28
DUP-7	6J10011-04	Water	5	10/10/16 00:00	10/10/16 13:28
GW-4	6J10011-05	Water	5	10/10/16 09:15	10/10/16 13:28
GMW-21	6J10011-06	Water	5	10/10/16 09:50	10/10/16 13:28
GMW-15	6J10011-07	Water	5	10/10/16 10:25	10/10/16 13:28
GMW-45	6J10011-08	Water	5	10/10/16 10:55	10/10/16 13:28

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331954
Date Received: 10/10/16
Date Reported: 10/21/16

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
Gasoline Range Organics 8015M					
GMW-12	6J10011-02	Water	5	10/10/16 08:05	10/10/16 13:28
TF-8	6J10011-03	Water	5	10/10/16 08:40	10/10/16 13:28
DUP-7	6J10011-04	Water	5	10/10/16 00:00	10/10/16 13:28
GW-4	6J10011-05	Water	5	10/10/16 09:15	10/10/16 13:28
GMW-21	6J10011-06	Water	5	10/10/16 09:50	10/10/16 13:28
GMW-15	6J10011-07	Water	5	10/10/16 10:25	10/10/16 13:28
GMW-45	6J10011-08	Water	5	10/10/16 10:55	10/10/16 13:28

Viorel Vasile
Operations Manager

AMERICAN ® ANALYTICS

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331954
Project No:	04-NDLA-013	**Date Received:**	10/10/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/21/16
Method:	VOCs, OXY & TPH Gasoline by GC/MS	**Units:**	ug/L

Date Sampled:	10/10/16	10/10/16	
Date Prepared:	10/17/16	10/17/16	
Date Analyzed:	10/17/16	10/17/16	
AA ID No:	6J10011-01	6J10011-09	
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)	**AA Project No:**	A5331954
Project No:	04-NDLA-013	**Date Received:**	10/10/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/21/16
Method:	VOCs, OXY & TPH Gasoline by GC/MS	**Units:**	ug/L

Date Sampled:	10/10/16	10/10/16	
Date Prepared:	10/17/16	10/17/16	
Date Analyzed:	10/17/16	10/17/16	
AA ID No:	6J10011-01	6J10011-09	
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)	<1.0	<1.0	1.0
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

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331954
Project No:	04-NDLA-013	**Date Received:**	10/10/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/21/16
Method:	VOCs, OXY & TPH Gasoline by GC/MS	**Units:**	ug/L

Date Sampled:	10/10/16	10/10/16	
Date Prepared:	10/17/16	10/17/16	
Date Analyzed:	10/17/16	10/17/16	
AA ID No:	6J10011-01	6J10011-09	
Client ID No:	QCTB-1	QCEB-1	
Matrix:	Water	Water	
Dilution Factor:	1	1	MRL
<u>8260B+OXY+TPHG (EPA 8260B)</u> (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	114%	113%	70-140
Dibromofluoromethane	121%	129%	70-140
Toluene-d8	101%	99%	70-140

Viorel Vasile
Operations Manager

AMERICAN ® ANALYTICS

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331954
Project No:	04-NDLA-013	**Date Received:**	10/10/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/21/16
Method:	VOCs & OXYGENATES by GC/MS	**Units:**	ug/L

Date Sampled:	10/10/16	10/10/16	10/10/16	10/10/16	
Date Prepared:	10/18/16	10/18/16	10/18/16	10/18/16	
Date Analyzed:	10/18/16	10/18/16	10/18/16	10/18/16	
AA ID No:	6J10011-02	6J10011-03	6J10011-04	6J10011-05	
Client ID No:	GMW-12	TF-8	DUP-7	GW-4	
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)	**AA Project No:**	A5331954
Project No:	04-NDLA-013	**Date Received:**	10/10/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/21/16
Method:	VOCs & OXYGENATES by GC/MS	**Units:**	ug/L

Date Sampled:	10/10/16	10/10/16	10/10/16	10/10/16	
Date Prepared:	10/18/16	10/18/16	10/18/16	10/18/16	
Date Analyzed:	10/18/16	10/18/16	10/18/16	10/18/16	
AA ID No:	6J10011-02	6J10011-03	6J10011-04	6J10011-05	
Client ID No:	GMW-12	TF-8	DUP-7	GW-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	<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)	<1.0	**1.2**	**1.3**	<1.0	1.0
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)	**AA Project No:**	A5331954
Project No:	04-NDLA-013	**Date Received:**	10/10/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/21/16
Method:	VOCs & OXYGENATES by GC/MS	**Units:**	ug/L

Date Sampled:	10/10/16	10/10/16	10/10/16	10/10/16	
Date Prepared:	10/18/16	10/18/16	10/18/16	10/18/16	
Date Analyzed:	10/18/16	10/18/16	10/18/16	10/18/16	
AA ID No:	6J10011-02	6J10011-03	6J10011-04	6J10011-05	
Client ID No:	GMW-12	TF-8	DUP-7	GW-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	<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	110%	111%	107%	111%	70-140
Dibromofluoromethane	126%	128%	125%	125%	70-140
Toluene-d8	99%	99%	98%	99%	70-140

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331954
Project No:	04-NDLA-013	**Date Received:**	10/10/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/21/16
Method:	VOCs & OXYGENATES by GC/MS	**Units:**	ug/L

Date Sampled:	10/10/16	10/10/16	10/10/16	
Date Prepared:	10/18/16	10/18/16	10/18/16	
Date Analyzed:	10/18/16	10/18/16	10/18/16	
AA ID No:	6J10011-06	6J10011-07	6J10011-08	
Client ID No:	GMW-21	GMW-15	GMW-45	
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	**3.4**	<0.50	**4.1**	0.50
tert-Butylbenzene	**1.1**	<0.50	**1.2**	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

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331954
Project No:	04-NDLA-013	**Date Received:**	10/10/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/21/16
Method:	VOCs & OXYGENATES by GC/MS	**Units:**	ug/L

Date Sampled:	10/10/16	10/10/16	10/10/16	
Date Prepared:	10/18/16	10/18/16	10/18/16	
Date Analyzed:	10/18/16	10/18/16	10/18/16	
AA ID No:	6J10011-06	6J10011-07	6J10011-08	
Client ID No:	GMW-21	GMW-15	GMW-45	
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	**5.4**	<0.50	**17**	0.50
4-Isopropyltoluene	<1.0	<1.0	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	**1.5**	<1.0	<1.0	1.0
Methylene Chloride	<5.0	<5.0	<5.0	5.0
4-Methyl-2-pentanone (MIBK)	<10	<10	<10	10
Naphthalene	<2.0	<2.0	**6.8**	2.0
n-Propylbenzene	<0.50	<0.50	**13**	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
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LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331954
Project No:	04-NDLA-013	**Date Received:**	10/10/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/21/16
Method:	VOCs & OXYGENATES by GC/MS	**Units:**	ug/L

Date Sampled:	10/10/16	10/10/16	10/10/16	
Date Prepared:	10/18/16	10/18/16	10/18/16	
Date Analyzed:	10/18/16	10/18/16	10/18/16	
AA ID No:	6J10011-06	6J10011-07	6J10011-08	
Client ID No:	GMW-21	GMW-15	GMW-45	
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
Surrogates				**%REC Limits**
4-Bromofluorobenzene	108%	111%	107%	70-140
Dibromofluoromethane	115%	118%	112%	70-140
Toluene-d8	100%	99%	104%	70-140

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Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331954
Project No:	04-NDLA-013	**Date Received:**	10/10/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/21/16
Method:	Diesel Range Organics by GC/FID	**Units:**	mg/L

Date Sampled:	10/10/16	10/10/16	10/10/16	10/10/16	
Date Prepared:	10/12/16	10/12/16	10/12/16	10/12/16	
Date Analyzed:	10/13/16	10/13/16	10/13/16	10/13/16	
AA ID No:	6J10011-02	6J10011-03	6J10011-04	6J10011-05	
Client ID No:	GMW-12	TF-8	DUP-7	GW-4	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
Diesel Range Organics 8015M (EPA 8015M)					
Diesel Range Organics as Diesel	**1.4**	**0.77**	**0.80**	**0.12**	0.10
Surrogates					**%REC Limits**
o-Terphenyl	81%	125%	122%	98%	50-150

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Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331954
Project No:	04-NDLA-013	**Date Received:**	10/10/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/21/16
Method:	Diesel Range Organics by GC/FID	**Units:**	mg/L

Date Sampled:	10/10/16	10/10/16	10/10/16	
Date Prepared:	10/12/16	10/12/16	10/12/16	
Date Analyzed:	10/13/16	10/13/16	10/13/16	
AA ID No:	6J10011-06	6J10011-07	6J10011-08	
Client ID No:	GMW-21	GMW-15	GMW-45	
Matrix:	Water	Water	Water	
Dilution Factor:	1	1	1	MRL
Diesel Range Organics 8015M (EPA 8015M)				
Diesel Range Organics as Diesel	**2.5**	**2.4**	**4.5**	0.10
Surrogates				**%REC Limits**
o-Terphenyl	95%	100%	87%	50-150

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Operations Manager

AMERICAN ANALYTICS

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: A5331954
Date Received: 10/10/16
Date Reported: 10/21/16
Units: ug/L

Date Sampled:	10/10/16	10/10/16	10/10/16	10/10/16	
Date Prepared:	10/11/16	10/11/16	10/11/16	10/11/16	
Date Analyzed:	10/11/16	10/11/16	10/11/16	10/11/16	
AA ID No:	6J10011-02	6J10011-03	6J10011-04	6J10011-05	
Client ID No:	GMW-12	TF-8	DUP-7	GW-4	
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
Surrogates					**%REC Limits**
a,a,a-Trifluorotoluene	97%	96%	94%	93%	80-120

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LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331954
Project No:	04-NDLA-013	**Date Received:**	10/10/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/21/16
Method:	Gasoline Range Organics by GC/FID	**Units:**	ug/L

Date Sampled:	10/10/16	10/10/16	10/10/16	
Date Prepared:	10/11/16	10/11/16	10/11/16	
Date Analyzed:	10/11/16	10/11/16	10/11/16	
AA ID No:	6J10011-06	6J10011-07	6J10011-08	
Client ID No:	GMW-21	GMW-15	GMW-45	
Matrix:	Water	Water	Water	
Dilution Factor:	1	1	1	MRL
Gasoline Range Organics 8015M (EPA 8015M)				
Gasoline Range Organics (GRO)	**130**	<100	**2200**	100
Surrogates				**%REC Limits**
a,a,a-Trifluorotoluene	92%	91%	89%	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: A5331954
Date Received: 10/10/16
Date Reported: 10/21/16

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										
Batch B6J1723 - EPA 5030B										
Blank (B6J1723-BLK1)				Prepared & Analyzed: 10/17/16						
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							

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: A5331954
Date Received: 10/10/16
Date Reported: 10/21/16

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										
Batch B6J1723 - EPA 5030B										
Blank (B6J1723-BLK1) Continued				Prepared & Analyzed: 10/17/16						
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)	<1.0	1.0	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							

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331954
Date Received: 10/10/16
Date Reported: 10/21/16

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										
Batch B6J1723 - EPA 5030B										
Blank (B6J1723-BLK1) Continued				Prepared & Analyzed: 10/17/16						
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							
Surrogate: 4-Bromofluorobenzene	*55.4*		*ug/L*	*50*		*111*	*70-140*			
Surrogate: Dibromofluoromethane	*62.7*		*ug/L*	*50*		*125*	*70-140*			
Surrogate: Toluene-d8	*49.7*		*ug/L*	*50*		*99.5*	*70-140*			
LCS (B6J1723-BS1)				Prepared: 10/17/16 Analyzed: 10/18/16						
Acetone	**47.9**	10	ug/L	50		95.8	70-130			
tert-Amyl Methyl Ether (TAME)	**17.7**	2.0	ug/L	20		88.4	70-130			
Benzene	**22.7**	0.50	ug/L	20		113	75-125			
Bromobenzene	**19.0**	0.50	ug/L	20		94.9	70-130			
Bromochloromethane	**21.5**	0.50	ug/L	20		108	70-130			
Bromodichloromethane	**23.3**	0.50	ug/L	20		117	75-125			
Bromoform	**16.3**	0.50	ug/L	20		81.3	75-125			
Bromomethane	**16.5**	0.50	ug/L	20		82.6	75-125			
2-Butanone (MEK)	**46.0**	10	ug/L	50		92.0	70-130			
tert-Butyl alcohol (TBA)	**105**	10	ug/L	100		105	70-130			
sec-Butylbenzene	**21.5**	0.50	ug/L	20		108	70-130			
tert-Butylbenzene	**22.8**	0.50	ug/L	20		114	70-130			
n-Butylbenzene	**22.3**	0.50	ug/L	20		111	70-130			
Carbon Disulfide	**41.5**	0.50	ug/L	50		83.1	70-130			
Carbon Tetrachloride	**24.2**	0.50	ug/L	20		121	75-125			
Chlorobenzene	**20.3**	0.50	ug/L	20		102	75-125			
Chloroethane	**22.5**	0.50	ug/L	20		113	75-125			

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331954
Date Received: 10/10/16
Date Reported: 10/21/16

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										
Batch B6J1723 - EPA 5030B										
LCS (B6J1723-BS1) Continued				Prepared: 10/17/16 Analyzed: 10/18/16						
Chloroform	**23.5**	0.50	ug/L	20		118	75-125			
Chloromethane	**19.7**	0.50	ug/L	20		98.4	65-125			
2-Chlorotoluene	**22.2**	0.50	ug/L	20		111	70-130			
4-Chlorotoluene	**22.1**	0.50	ug/L	20		110	70-130			
1,2-Dibromo-3-chloropropane	**20.8**	1.0	ug/L	20		104	70-130			
Dibromochloromethane	**21.2**	0.50	ug/L	20		106	75-125			
1,2-Dibromoethane (EDB)	**18.1**	0.50	ug/L	20		90.6	70-130			
Dibromomethane	**21.8**	0.50	ug/L	20		109	70-130			
1,3-Dichlorobenzene	**20.4**	0.50	ug/L	20		102	70-130			
1,2-Dichlorobenzene	**21.1**	0.50	ug/L	20		105	70-130			
1,4-Dichlorobenzene	**19.9**	0.50	ug/L	20		99.6	75-125			
Dichlorodifluoromethane (R12)	**19.2**	0.50	ug/L	20		96.2	70-130			
1,1-Dichloroethane	**23.0**	0.50	ug/L	20		115	70-125			
1,2-Dichloroethane (EDC)	**23.6**	0.50	ug/L	20		118	75-125			
1,1-Dichloroethylene	**22.9**	0.50	ug/L	20		115	70-130			
trans-1,2-Dichloroethylene	**19.6**	0.50	ug/L	20		98.0	75-125			
cis-1,2-Dichloroethylene	**21.0**	0.50	ug/L	20		105	75-125			
1,2-Dichloropropane	**23.6**	0.50	ug/L	20		118	75-130			
2,2-Dichloropropane	**24.3**	0.50	ug/L	20		122	70-130			
1,3-Dichloropropane	**18.6**	0.50	ug/L	20		92.8	70-130			
cis-1,3-Dichloropropylene	**18.8**	0.50	ug/L	20		93.9	75-125			
trans-1,3-Dichloropropylene	**18.3**	0.50	ug/L	20		91.4	70-130			
1,1-Dichloropropylene	**23.0**	0.50	ug/L	20		115	70-130			
Diisopropyl ether (DIPE)	**22.0**	2.0	ug/L	20		110	70-130			
Ethylbenzene	**21.6**	0.50	ug/L	20		108	75-125			
Ethyl-tert-Butyl Ether (ETBE)	**20.0**	2.0	ug/L	20		100	70-130			
Gasoline Range Organics (GRO)	**486**	100	ug/L	500		97.3	70-130			
Hexachlorobutadiene	**18.9**	1.0	ug/L	20		94.4	70-130			
2-Hexanone (MBK)	**45.3**	10	ug/L	50		90.7	70-130			
Isopropylbenzene	**22.6**	0.50	ug/L	20		113	70-130			
4-Isopropyltoluene	**22.8**	1.0	ug/L	20		114	70-130			

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331954
Date Received: 10/10/16
Date Reported: 10/21/16

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										
Batch B6J1723 - EPA 5030B										
LCS (B6J1723-BS1) Continued				Prepared: 10/17/16 Analyzed: 10/18/16						
Methyl-tert-Butyl Ether (MTBE)	**37.6**	1.0	ug/L	40		94.0	75-125			
Methylene Chloride	**24.9**	5.0	ug/L	20		124	75-130			
4-Methyl-2-pentanone (MIBK)	**43.7**	10	ug/L	50		87.5	70-130			
Naphthalene	**19.8**	2.0	ug/L	20		99.2	70-130			
n-Propylbenzene	**22.2**	0.50	ug/L	20		111	70-130			
Styrene	**19.4**	0.50	ug/L	20		96.8	70-130			
1,1,1,2-Tetrachloroethane	**19.4**	0.50	ug/L	20		97.1	70-130			
1,1,2,2-Tetrachloroethane	**18.4**	0.50	ug/L	20		92.2	70-135			
Tetrachloroethylene (PCE)	**18.7**	0.50	ug/L	20		93.6	75-125			
Toluene	**21.2**	0.50	ug/L	20		106	75-125			
1,2,3-Trichlorobenzene	**18.3**	0.50	ug/L	20		91.7	70-130			
1,2,4-Trichlorobenzene	**18.4**	0.50	ug/L	20		91.8	70-130			
1,1,1-Trichloroethane	**24.4**	0.50	ug/L	20		122	75-125			
1,1,2-Trichloroethane	**19.7**	0.50	ug/L	20		98.7	75-125			
Trichloroethylene (TCE)	**22.0**	0.50	ug/L	20		110	75-125			
Trichlorofluoromethane (R11)	**24.8**	0.50	ug/L	20		124	70-130			
1,2,3-Trichloropropane	**17.3**	0.50	ug/L	20		86.6	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**24.2**	0.50	ug/L	20		121	70-130			
1,3,5-Trimethylbenzene	**22.1**	0.50	ug/L	20		111	70-130			
1,2,4-Trimethylbenzene	**22.8**	0.50	ug/L	20		114	70-130			
Vinyl chloride	**23.0**	0.50	ug/L	20		115	75-125			
o-Xylene	**21.1**	0.50	ug/L	20		105	75-125			
m,p-Xylenes	**41.0**	1.0	ug/L	40		103	70-130			
Surrogate: 4-Bromofluorobenzene	*54.5*		*ug/L*	*50*		*109*	*70-140*			
Surrogate: Dibromofluoromethane	*54.0*		*ug/L*	*50*		*108*	*70-140*			
Surrogate: Toluene-d8	*53.8*		*ug/L*	*50*		*108*	*70-140*			
Matrix Spike (B6J1723-MS1)		**Source: 6J10010-02**		Prepared & Analyzed: 10/17/16						
Acetone	**55.7**	10	ug/L	50		111	70-130			
tert-Amyl Methyl Ether (TAME)	**19.0**	2.0	ug/L	20		94.8	70-130			
Benzene	**21.2**	0.50	ug/L	20		106	70-130			

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331954
Date Received: 10/10/16
Date Reported: 10/21/16

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										
Batch B6J1723 - EPA 5030B										
Matrix Spike (B6J1723-MS1) Continued Source: 6J10010-02 Prepared & Analyzed: 10/17/16										
Bromobenzene	**19.4**	0.50	ug/L	20		97.2	70-130			
Bromochloromethane	**21.7**	0.50	ug/L	20		108	70-130			
Bromodichloromethane	**22.9**	0.50	ug/L	20		114	70-130			
Bromoform	**18.0**	0.50	ug/L	20		90.2	70-130			
Bromomethane	**16.9**	0.50	ug/L	20		84.7	70-130			
2-Butanone (MEK)	**51.9**	10	ug/L	50		104	70-130			
tert-Butyl alcohol (TBA)	**100**	10	ug/L	100		100	70-130			
sec-Butylbenzene	**20.6**	0.50	ug/L	20		103	70-130			
tert-Butylbenzene	**22.0**	0.50	ug/L	20		110	70-130			
n-Butylbenzene	**22.0**	0.50	ug/L	20		110	70-130			
Carbon Disulfide	**45.0**	0.50	ug/L	50		90.0	70-130			
Carbon Tetrachloride	**22.6**	0.50	ug/L	20		113	70-130			
Chlorobenzene	**19.6**	0.50	ug/L	20		98.1	70-130			
Chloroethane	**19.2**	0.50	ug/L	20		96.1	70-130			
Chloroform	**22.7**	0.50	ug/L	20		114	70-130			
Chloromethane	**19.9**	0.50	ug/L	20		99.4	70-130			
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	**24.1**	1.0	ug/L	20		121	70-130			
Dibromochloromethane	**20.9**	0.50	ug/L	20		104	70-130			
1,2-Dibromoethane (EDB)	**19.4**	0.50	ug/L	20		96.8	70-130			
Dibromomethane	**22.3**	0.50	ug/L	20		111	70-130			
1,3-Dichlorobenzene	**20.2**	0.50	ug/L	20		101	70-130			
1,2-Dichlorobenzene	**21.5**	0.50	ug/L	20		108	70-130			
1,4-Dichlorobenzene	**19.9**	0.50	ug/L	20		99.4	70-130			
Dichlorodifluoromethane (R12)	**18.5**	0.50	ug/L	20		92.6	70-130			
1,1-Dichloroethane	**22.9**	0.50	ug/L	20		114	70-130			
1,2-Dichloroethane (EDC)	**23.8**	0.50	ug/L	20		119	70-130			
1,1-Dichloroethylene	**23.1**	0.50	ug/L	20		115	70-130			
trans-1,2-Dichloroethylene	**19.9**	0.50	ug/L	20		99.7	70-130			
cis-1,2-Dichloroethylene	**20.2**	0.50	ug/L	20		101	70-130			

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LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331954
Date Received: 10/10/16
Date Reported: 10/21/16

VOCs, OXY & TPH Gasoline by GC/MS - Quality Control

Batch B6J1723 - EPA 5030B

Matrix Spike (B6J1723-MS1) Continued Source: 6J10010-02 Prepared & Analyzed: 10/17/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dichloropropane	**22.1**	0.50	ug/L	20		110	70-130			
2,2-Dichloropropane	**24.2**	0.50	ug/L	20		121	70-130			
1,3-Dichloropropane	**18.9**	0.50	ug/L	20		94.6	70-130			
cis-1,3-Dichloropropylene	**19.8**	0.50	ug/L	20		99.0	70-130			
trans-1,3-Dichloropropylene	**19.9**	0.50	ug/L	20		99.5	70-130			
1,1-Dichloropropylene	**20.3**	0.50	ug/L	20		102	70-130			
Diisopropyl ether (DIPE)	**22.2**	2.0	ug/L	20		111	70-130			
Ethylbenzene	**20.0**	0.50	ug/L	20		100	70-130			
Ethyl-tert-Butyl Ether (ETBE)	**20.8**	2.0	ug/L	20		104	70-130			
Gasoline Range Organics (GRO)	**401**	100	ug/L	500		80.2	70-130			
Hexachlorobutadiene	**18.7**	1.0	ug/L	20		93.7	70-130			
2-Hexanone (MBK)	**58.8**	10	ug/L	50		118	70-130			
Isopropylbenzene	**21.5**	0.50	ug/L	20		108	70-130			
4-Isopropyltoluene	**22.2**	1.0	ug/L	20		111	70-130			
Methyl-tert-Butyl Ether (MTBE)	**41.2**	1.0	ug/L	40		103	70-130			
Methylene Chloride	**26.1**	5.0	ug/L	20	11.7	72.2	70-130			
4-Methyl-2-pentanone (MIBK)	**51.5**	10	ug/L	50		103	70-130			
Naphthalene	**24.7**	2.0	ug/L	20		123	70-130			
n-Propylbenzene	**21.5**	0.50	ug/L	20		108	70-130			
Styrene	**18.7**	0.50	ug/L	20		93.5	70-130			
1,1,1,2-Tetrachloroethane	**18.3**	0.50	ug/L	20		91.7	70-130			
1,1,2,2-Tetrachloroethane	**21.1**	0.50	ug/L	20		106	70-130			
Tetrachloroethylene (PCE)	**17.1**	0.50	ug/L	20		85.7	70-130			
Toluene	**19.2**	0.50	ug/L	20		95.8	70-130			
1,2,3-Trichlorobenzene	**19.9**	0.50	ug/L	20		99.4	70-130			
1,2,4-Trichlorobenzene	**19.1**	0.50	ug/L	20		95.6	70-130			
1,1,1-Trichloroethane	**22.3**	0.50	ug/L	20		112	70-130			
1,1,2-Trichloroethane	**19.5**	0.50	ug/L	20		97.6	70-130			
Trichloroethylene (TCE)	**20.1**	0.50	ug/L	20		100	70-130			
Trichlorofluoromethane (R11)	**23.7**	0.50	ug/L	20		118	70-130			
1,2,3-Trichloropropane	**20.8**	0.50	ug/L	20		104	70-130			

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AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331954
Date Received: 10/10/16
Date Reported: 10/21/16

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										
Batch B6J1723 - EPA 5030B										
Matrix Spike (B6J1723-MS1) Continued	**Source: 6J10010-02**	Prepared & Analyzed: 10/17/16								
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**24.0**	0.50	ug/L	20		120	70-130			
1,3,5-Trimethylbenzene	**21.7**	0.50	ug/L	20		109	70-130			
1,2,4-Trimethylbenzene	**22.3**	0.50	ug/L	20		112	70-130			
Vinyl chloride	**22.7**	0.50	ug/L	20		113	70-130			
o-Xylene	**20.0**	0.50	ug/L	20		99.8	70-130			
m,p-Xylenes	**38.7**	1.0	ug/L	40		96.8	70-130			
Surrogate: 4-Bromofluorobenzene	*54.6*		*ug/L*	*50*		*109*	*70-140*			
Surrogate: Dibromofluoromethane	*53.1*		*ug/L*	*50*		*106*	*70-140*			
Surrogate: Toluene-d8	*49.0*		*ug/L*	*50*		*98.0*	*70-140*			
Matrix Spike Dup (B6J1723-MSD1)	**Source: 6J10010-02**	Prepared & Analyzed: 10/17/16								
Acetone	**57.3**	10	ug/L	50		115	70-130	2.76	30	
tert-Amyl Methyl Ether (TAME)	**19.4**	2.0	ug/L	20		96.8	70-130	2.14	30	
Benzene	**22.3**	0.50	ug/L	20		111	70-130	4.73	30	
Bromobenzene	**20.2**	0.50	ug/L	20		101	70-130	3.93	30	
Bromochloromethane	**21.4**	0.50	ug/L	20		107	70-130	1.58	30	
Bromodichloromethane	**23.6**	0.50	ug/L	20		118	70-130	3.23	30	
Bromoform	**17.6**	0.50	ug/L	20		87.8	70-130	2.70	30	
Bromomethane	**17.3**	0.50	ug/L	20		86.4	70-130	2.04	30	
2-Butanone (MEK)	**58.3**	10	ug/L	50		117	70-130	11.5	30	
tert-Butyl alcohol (TBA)	**109**	10	ug/L	100		109	70-130	8.17	30	
sec-Butylbenzene	**21.2**	0.50	ug/L	20		106	70-130	2.91	30	
tert-Butylbenzene	**22.5**	0.50	ug/L	20		113	70-130	2.65	30	
n-Butylbenzene	**22.1**	0.50	ug/L	20		110	70-130	0.227	30	
Carbon Disulfide	**40.0**	0.50	ug/L	50		80.0	70-130	11.7	30	
Carbon Tetrachloride	**23.2**	0.50	ug/L	20		116	70-130	2.93	30	
Chlorobenzene	**19.7**	0.50	ug/L	20		98.6	70-130	0.508	30	
Chloroethane	**20.6**	0.50	ug/L	20		103	70-130	6.93	30	
Chloroform	**23.2**	0.50	ug/L	20		116	70-130	1.92	30	
Chloromethane	**21.3**	0.50	ug/L	20		106	70-130	6.85	30	
2-Chlorotoluene	**22.9**	0.50	ug/L	20		115	70-130	5.88	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: A5331954
Date Received: 10/10/16
Date Reported: 10/21/16

VOCs, OXY & TPH Gasoline by GC/MS - Quality Control

Batch B6J1723 - EPA 5030B

Matrix Spike Dup (B6J1723-MSD1) Continued **Source: 6J10010-02** Prepared & Analyzed: 10/17/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4-Chlorotoluene	**22.1**	0.50	ug/L	20		110	70-130	1.64	30	
1,2-Dibromo-3-chloropropane	**23.9**	1.0	ug/L	20		119	70-130	1.08	30	
Dibromochloromethane	**21.5**	0.50	ug/L	20		108	70-130	2.97	30	
1,2-Dibromoethane (EDB)	**20.2**	0.50	ug/L	20		101	70-130	4.35	30	
Dibromomethane	**23.7**	0.50	ug/L	20		119	70-130	6.31	30	
1,3-Dichlorobenzene	**20.8**	0.50	ug/L	20		104	70-130	3.27	30	
1,2-Dichlorobenzene	**22.4**	0.50	ug/L	20		112	70-130	3.92	30	
1,4-Dichlorobenzene	**20.6**	0.50	ug/L	20		103	70-130	3.36	30	
Dichlorodifluoromethane (R12)	**19.0**	0.50	ug/L	20		95.2	70-130	2.71	30	
1,1-Dichloroethane	**23.3**	0.50	ug/L	20		116	70-130	1.78	30	
1,2-Dichloroethane (EDC)	**24.2**	0.50	ug/L	20		121	70-130	1.67	30	
1,1-Dichloroethylene	**23.8**	0.50	ug/L	20		119	70-130	3.11	30	
trans-1,2-Dichloroethylene	**20.3**	0.50	ug/L	20		102	70-130	1.79	30	
cis-1,2-Dichloroethylene	**20.4**	0.50	ug/L	20		102	70-130	1.03	30	
1,2-Dichloropropane	**23.8**	0.50	ug/L	20		119	70-130	7.49	30	
2,2-Dichloropropane	**23.9**	0.50	ug/L	20		120	70-130	1.25	30	
1,3-Dichloropropane	**19.3**	0.50	ug/L	20		96.6	70-130	1.99	30	
cis-1,3-Dichloropropylene	**20.3**	0.50	ug/L	20		102	70-130	2.69	30	
trans-1,3-Dichloropropylene	**20.3**	0.50	ug/L	20		101	70-130	1.79	30	
1,1-Dichloropropylene	**21.9**	0.50	ug/L	20		110	70-130	7.48	30	
Diisopropyl ether (DIPE)	**23.4**	2.0	ug/L	20		117	70-130	5.00	30	
Ethylbenzene	**20.4**	0.50	ug/L	20		102	70-130	1.73	30	
Ethyl-tert-Butyl Ether (ETBE)	**21.6**	2.0	ug/L	20		108	70-130	3.91	30	
Gasoline Range Organics (GRO)	**446**	100	ug/L	500		89.2	70-130	10.6	30	
Hexachlorobutadiene	**19.8**	1.0	ug/L	20		99.0	70-130	5.50	30	
2-Hexanone (MBK)	**56.2**	10	ug/L	50		112	70-130	4.54	30	
Isopropylbenzene	**22.2**	0.50	ug/L	20		111	70-130	3.06	30	
4-Isopropyltoluene	**22.3**	1.0	ug/L	20		112	70-130	0.539	30	
Methyl-tert-Butyl Ether (MTBE)	**43.6**	1.0	ug/L	40		109	70-130	5.59	30	
Methylene Chloride	**27.2**	5.0	ug/L	20	11.7	77.7	70-130	4.12	30	
4-Methyl-2-pentanone (MIBK)	**53.0**	10	ug/L	50		106	70-130	3.04	30	

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331954
Project No:	04-NDLA-013	**Date Received:**	10/10/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/21/16

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										
Batch B6J1723 - EPA 5030B										
Matrix Spike Dup (B6J1723-MSD1) Continued	**Source: 6J10010-02**			Prepared & Analyzed: 10/17/16						
Naphthalene	**25.7**	2.0	ug/L	20		129	70-130	4.05	30	
n-Propylbenzene	**22.2**	0.50	ug/L	20		111	70-130	3.02	30	
Styrene	**18.8**	0.50	ug/L	20		94.2	70-130	0.746	30	
1,1,1,2-Tetrachloroethane	**18.5**	0.50	ug/L	20		92.5	70-130	0.869	30	
1,1,2,2-Tetrachloroethane	**21.3**	0.50	ug/L	20		106	70-130	0.801	30	
Tetrachloroethylene (PCE)	**18.3**	0.50	ug/L	20		91.3	70-130	6.33	30	
Toluene	**20.1**	0.50	ug/L	20		100	70-130	4.79	30	
1,2,3-Trichlorobenzene	**20.8**	0.50	ug/L	20		104	70-130	4.23	30	
1,2,4-Trichlorobenzene	**20.0**	0.50	ug/L	20		100	70-130	4.70	30	
1,1,1-Trichloroethane	**23.8**	0.50	ug/L	20		119	70-130	6.33	30	
1,1,2-Trichloroethane	**20.7**	0.50	ug/L	20		103	70-130	5.67	30	
Trichloroethylene (TCE)	**20.8**	0.50	ug/L	20		104	70-130	3.33	30	
Trichlorofluoromethane (R11)	**24.6**	0.50	ug/L	20		123	70-130	3.89	30	
1,2,3-Trichloropropane	**19.9**	0.50	ug/L	20		99.6	70-130	4.56	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**23.7**	0.50	ug/L	20		119	70-130	1.34	30	
1,3,5-Trimethylbenzene	**21.8**	0.50	ug/L	20		109	70-130	0.413	30	
1,2,4-Trimethylbenzene	**22.7**	0.50	ug/L	20		114	70-130	1.77	30	
Vinyl chloride	**23.7**	0.50	ug/L	20		119	70-130	4.48	30	
o-Xylene	**20.3**	0.50	ug/L	20		101	70-130	1.54	30	
m,p-Xylenes	**38.6**	1.0	ug/L	40		96.5	70-130	0.284	30	
Surrogate: 4-Bromofluorobenzene	*55.4*		*ug/L*	*50*		*111*	*70-140*			
Surrogate: Dibromofluoromethane	*52.8*		*ug/L*	*50*		*106*	*70-140*			
Surrogate: Toluene-d8	*48.8*		*ug/L*	*50*		*97.6*	*70-140*			
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1827 - EPA 5030B										
Blank (B6J1827-BLK1)				Prepared & Analyzed: 10/18/16						
Acetone	<10	10	ug/L							
tert-Amyl Methyl Ether (TAME)	<2.0	2.0	ug/L							
Benzene	<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: A5331954
Date Received: 10/10/16
Date Reported: 10/21/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1827 - EPA 5030B										
Blank (B6J1827-BLK1) Continued				Prepared & Analyzed: 10/18/16						
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							
cis-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: A5331954
Date Received: 10/10/16
Date Reported: 10/21/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1827 - EPA 5030B										
Blank (B6J1827-BLK1) Continued				Prepared & Analyzed: 10/18/16						
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)	<1.0	1.0	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							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager

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LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331954
Project No:	04-NDLA-013	**Date Received:**	10/10/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/21/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1827 - EPA 5030B										
Blank (B6J1827-BLK1) Continued				Prepared & Analyzed: 10/18/16						
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							
Surrogate: 4-Bromofluorobenzene	*55.8*		*ug/L*	*50*		*112*	*70-140*			
Surrogate: Dibromofluoromethane	*65.4*		*ug/L*	*50*		*131*	*70-140*			
Surrogate: Toluene-d8	*49.6*		*ug/L*	*50*		*99.1*	*70-140*			
LCS (B6J1827-BS1)				Prepared & Analyzed: 10/18/16						
Acetone	**54.5**	10	ug/L	50		109	70-130			
tert-Amyl Methyl Ether (TAME)	**17.3**	2.0	ug/L	20		86.6	70-130			
Benzene	**21.6**	0.50	ug/L	20		108	75-125			
Bromobenzene	**18.8**	0.50	ug/L	20		94.0	70-130			
Bromochloromethane	**19.8**	0.50	ug/L	20		99.0	70-130			
Bromodichloromethane	**22.2**	0.50	ug/L	20		111	75-125			
Bromoform	**16.4**	0.50	ug/L	20		82.2	75-125			
Bromomethane	**19.2**	0.50	ug/L	20		95.8	75-125			
2-Butanone (MEK)	**46.7**	10	ug/L	50		93.4	70-130			
tert-Butyl alcohol (TBA)	**113**	10	ug/L	100		113	70-130			
sec-Butylbenzene	**21.7**	0.50	ug/L	20		108	70-130			
tert-Butylbenzene	**22.5**	0.50	ug/L	20		112	70-130			
n-Butylbenzene	**23.0**	0.50	ug/L	20		115	70-130			
Carbon Disulfide	**41.2**	0.50	ug/L	50		82.4	70-130			
Carbon Tetrachloride	**23.0**	0.50	ug/L	20		115	75-125			
Chlorobenzene	**19.4**	0.50	ug/L	20		97.1	75-125			
Chloroethane	**22.5**	0.50	ug/L	20		112	75-125			
Chloroform	**22.4**	0.50	ug/L	20		112	75-125			
Chloromethane	**21.6**	0.50	ug/L	20		108	65-125			
2-Chlorotoluene	**22.4**	0.50	ug/L	20		112	70-130			
4-Chlorotoluene	**22.0**	0.50	ug/L	20		110	70-130			
1,2-Dibromo-3-chloropropane	**22.3**	1.0	ug/L	20		112	70-130			

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331954
Date Received: 10/10/16
Date Reported: 10/21/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1827 - EPA 5030B										
LCS (B6J1827-BS1) Continued				Prepared & Analyzed: 10/18/16						
Dibromochloromethane	**19.6**	0.50	ug/L	20		98.0	75-125			
1,2-Dibromoethane (EDB)	**18.0**	0.50	ug/L	20		89.9	70-130			
Dibromomethane	**20.6**	0.50	ug/L	20		103	70-130			
1,3-Dichlorobenzene	**20.3**	0.50	ug/L	20		101	70-130			
1,2-Dichlorobenzene	**21.6**	0.50	ug/L	20		108	70-130			
1,4-Dichlorobenzene	**20.0**	0.50	ug/L	20		100	75-125			
Dichlorodifluoromethane (R12)	**20.2**	0.50	ug/L	20		101	70-130			
1,1-Dichloroethane	**23.2**	0.50	ug/L	20		116	70-125			
1,2-Dichloroethane (EDC)	**22.1**	0.50	ug/L	20		110	75-125			
1,1-Dichloroethylene	**22.3**	0.50	ug/L	20		112	70-130			
trans-1,2-Dichloroethylene	**20.4**	0.50	ug/L	20		102	75-125			
cis-1,2-Dichloroethylene	**19.7**	0.50	ug/L	20		98.7	75-125			
1,2-Dichloropropane	**21.7**	0.50	ug/L	20		109	75-130			
2,2-Dichloropropane	**24.0**	0.50	ug/L	20		120	70-130			
1,3-Dichloropropane	**17.6**	0.50	ug/L	20		87.8	70-130			
cis-1,3-Dichloropropylene	**19.0**	0.50	ug/L	20		95.1	75-125			
trans-1,3-Dichloropropylene	**19.6**	0.50	ug/L	20		98.2	70-130			
1,1-Dichloropropylene	**21.4**	0.50	ug/L	20		107	70-130			
Diisopropyl ether (DIPE)	**20.7**	2.0	ug/L	20		104	70-130			
Ethylbenzene	**21.0**	0.50	ug/L	20		105	75-125			
Ethyl-tert-Butyl Ether (ETBE)	**19.3**	2.0	ug/L	20		96.4	70-130			
Hexachlorobutadiene	**19.9**	1.0	ug/L	20		99.3	70-130			
2-Hexanone (MBK)	**44.6**	10	ug/L	50		89.2	70-130			
Isopropylbenzene	**22.2**	0.50	ug/L	20		111	70-130			
4-Isopropyltoluene	**23.0**	1.0	ug/L	20		115	70-130			
Methyl-tert-Butyl Ether (MTBE)	**37.6**	1.0	ug/L	40		94.1	75-125			
Methylene Chloride	**28.3**	5.0	ug/L	20		142	75-130			
4-Methyl-2-pentanone (MIBK)	**42.1**	10	ug/L	50		84.2	70-130			
Naphthalene	**22.4**	2.0	ug/L	20		112	70-130			
n-Propylbenzene	**22.4**	0.50	ug/L	20		112	70-130			
Styrene	**18.8**	0.50	ug/L	20		94.2	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: A5331954
Date Received: 10/10/16
Date Reported: 10/21/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1827 - EPA 5030B										
LCS (B6J1827-BS1) Continued				Prepared & Analyzed: 10/18/16						
1,1,1,2-Tetrachloroethane	**18.0**	0.50	ug/L	20		90.0	70-130			
1,1,2,2-Tetrachloroethane	**18.6**	0.50	ug/L	20		92.8	70-135			
Tetrachloroethylene (PCE)	**17.5**	0.50	ug/L	20		87.7	75-125			
Toluene	**20.0**	0.50	ug/L	20		100	75-125			
1,2,3-Trichlorobenzene	**19.2**	0.50	ug/L	20		95.9	70-130			
1,2,4-Trichlorobenzene	**18.7**	0.50	ug/L	20		93.5	70-130			
1,1,1-Trichloroethane	**23.6**	0.50	ug/L	20		118	75-125			
1,1,2-Trichloroethane	**18.3**	0.50	ug/L	20		91.6	75-125			
Trichloroethylene (TCE)	**20.8**	0.50	ug/L	20		104	75-125			
Trichlorofluoromethane (R11)	**24.7**	0.50	ug/L	20		124	70-130			
1,2,3-Trichloropropane	**18.1**	0.50	ug/L	20		90.4	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**23.0**	0.50	ug/L	20		115	70-130			
1,3,5-Trimethylbenzene	**22.5**	0.50	ug/L	20		112	70-130			
1,2,4-Trimethylbenzene	**22.6**	0.50	ug/L	20		113	70-130			
Vinyl chloride	**22.2**	0.50	ug/L	20		111	75-125			
o-Xylene	**20.5**	0.50	ug/L	20		103	75-125			
m,p-Xylenes	**39.4**	1.0	ug/L	40		98.5	70-130			
Surrogate: 4-Bromofluorobenzene	*54.3*		*ug/L*	*50*		*109*	*70-140*			
Surrogate: Dibromofluoromethane	*52.2*		*ug/L*	*50*		*104*	*70-140*			
Surrogate: Toluene-d8	*50.3*		*ug/L*	*50*		*101*	*70-140*			
Matrix Spike (B6J1827-MS1)		**Source: 6J10011-02**		Prepared: 10/18/16 Analyzed: 10/19/16						
Acetone	**60.5**	10	ug/L	50	<10	121	70-130			
tert-Amyl Methyl Ether (TAME)	**21.2**	2.0	ug/L	20	<2.0	106	70-130			
Benzene	**23.6**	0.50	ug/L	20	<0.50	118	70-130			
Bromobenzene	**20.1**	0.50	ug/L	20	<0.50	100	70-130			
Bromochloromethane	**22.5**	0.50	ug/L	20	<0.50	113	70-130			
Bromodichloromethane	**22.2**	0.50	ug/L	20	<0.50	111	70-130			
Bromoform	**18.2**	0.50	ug/L	20	<0.50	91.2	70-130			
Bromomethane	**17.4**	0.50	ug/L	20	<0.50	87.2	70-130			
2-Butanone (MEK)	**57.4**	10	ug/L	50	<10	115	70-130			

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Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331954
Date Received: 10/10/16
Date Reported: 10/21/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1827 - EPA 5030B										
Matrix Spike (B6J1827-MS1) Continued	**Source: 6J10011-02**	Prepared: 10/18/16	Analyzed: 10/19/16							
tert-Butyl alcohol (TBA)	**120**	10	ug/L	100	<10	120	70-130			
sec-Butylbenzene	**20.2**	0.50	ug/L	20	<0.50	101	70-130			
tert-Butylbenzene	**21.6**	0.50	ug/L	20	0.460	106	70-130			
n-Butylbenzene	**20.5**	0.50	ug/L	20	<0.50	103	70-130			
Carbon Disulfide	**42.5**	0.50	ug/L	50	<0.50	84.9	70-130			
Carbon Tetrachloride	**20.6**	0.50	ug/L	20	<0.50	103	70-130			
Chlorobenzene	**19.6**	0.50	ug/L	20	<0.50	97.8	70-130			
Chloroethane	**22.8**	0.50	ug/L	20	<0.50	114	70-130			
Chloroform	**21.6**	0.50	ug/L	20	<0.50	108	70-130			
Chloromethane	**18.2**	0.50	ug/L	20	<0.50	91.2	70-130			
2-Chlorotoluene	**21.4**	0.50	ug/L	20	<0.50	107	70-130			
4-Chlorotoluene	**20.6**	0.50	ug/L	20	<0.50	103	70-130			
1,2-Dibromo-3-chloropropane	**24.5**	1.0	ug/L	20	<1.0	122	70-130			
Dibromochloromethane	**20.9**	0.50	ug/L	20	<0.50	104	70-130			
1,2-Dibromoethane (EDB)	**20.1**	0.50	ug/L	20	<0.50	101	70-130			
Dibromomethane	**22.9**	0.50	ug/L	20	<0.50	115	70-130			
1,3-Dichlorobenzene	**20.8**	0.50	ug/L	20	<0.50	104	70-130			
1,2-Dichlorobenzene	**22.3**	0.50	ug/L	20	<0.50	112	70-130			
1,4-Dichlorobenzene	**20.2**	0.50	ug/L	20	<0.50	101	70-130			
Dichlorodifluoromethane (R12)	**16.1**	0.50	ug/L	20	<0.50	80.4	70-130			
1,1-Dichloroethane	**22.9**	0.50	ug/L	20	<0.50	115	70-130			
1,2-Dichloroethane (EDC)	**22.2**	0.50	ug/L	20	<0.50	111	70-130			
1,1-Dichloroethylene	**23.2**	0.50	ug/L	20	<0.50	116	70-130			
trans-1,2-Dichloroethylene	**20.0**	0.50	ug/L	20	<0.50	99.8	70-130			
cis-1,2-Dichloroethylene	**19.8**	0.50	ug/L	20	<0.50	98.8	70-130			
1,2-Dichloropropane	**24.5**	0.50	ug/L	20	<0.50	123	70-130			
2,2-Dichloropropane	**19.9**	0.50	ug/L	20	<0.50	99.4	70-130			
1,3-Dichloropropane	**20.6**	0.50	ug/L	20	<0.50	103	70-130			
cis-1,3-Dichloropropylene	**20.5**	0.50	ug/L	20	<0.50	102	70-130			
trans-1,3-Dichloropropylene	**20.0**	0.50	ug/L	20	<0.50	100	70-130			
1,1-Dichloropropylene	**20.8**	0.50	ug/L	20	<0.50	104	70-130			

Viorel Vasile
Operations Manager

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LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331954
Date Received: 10/10/16
Date Reported: 10/21/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1827 - EPA 5030B										
Matrix Spike (B6J1827-MS1) Continued Source: 6J10011-02 Prepared: 10/18/16 Analyzed: 10/19/16										
Diisopropyl ether (DIPE)	**24.5**	2.0	ug/L	20	<2.0	122	70-130			
Ethylbenzene	**19.6**	0.50	ug/L	20	<0.50	98.2	70-130			
Ethyl-tert-Butyl Ether (ETBE)	**22.9**	2.0	ug/L	20	<2.0	114	70-130			
Hexachlorobutadiene	**18.0**	1.0	ug/L	20	<1.0	90.2	70-130			
2-Hexanone (MBK)	**59.6**	10	ug/L	50	<10	119	70-130			
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	70-130			
Methyl-tert-Butyl Ether (MTBE)	**46.8**	1.0	ug/L	40	<1.0	117	70-130			
Methylene Chloride	**24.8**	5.0	ug/L	20	<5.0	124	70-130			
4-Methyl-2-pentanone (MIBK)	**58.1**	10	ug/L	50	<10	116	70-130			
Naphthalene	**25.7**	2.0	ug/L	20	<2.0	129	70-130			
n-Propylbenzene	**20.7**	0.50	ug/L	20	<0.50	104	70-130			
Styrene	**18.5**	0.50	ug/L	20	<0.50	92.5	70-130			
1,1,1,2-Tetrachloroethane	**18.7**	0.50	ug/L	20	<0.50	93.5	70-130			
1,1,2,2-Tetrachloroethane	**21.7**	0.50	ug/L	20	<0.50	108	70-130			
Tetrachloroethylene (PCE)	**18.4**	0.50	ug/L	20	<0.50	92.1	70-130			
Toluene	**19.5**	0.50	ug/L	20	<0.50	97.6	70-130			
1,2,3-Trichlorobenzene	**20.0**	0.50	ug/L	20	<0.50	100	70-130			
1,2,4-Trichlorobenzene	**18.9**	0.50	ug/L	20	<0.50	94.4	70-130			
1,1,1-Trichloroethane	**21.5**	0.50	ug/L	20	<0.50	108	70-130			
1,1,2-Trichloroethane	**21.2**	0.50	ug/L	20	<0.50	106	70-130			
Trichloroethylene (TCE)	**20.5**	0.50	ug/L	20	<0.50	103	70-130			
Trichlorofluoromethane (R11)	**20.5**	0.50	ug/L	20	<0.50	103	70-130			
1,2,3-Trichloropropane	**21.2**	0.50	ug/L	20	<0.50	106	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**23.3**	0.50	ug/L	20	<0.50	117	70-130			
1,3,5-Trimethylbenzene	**21.0**	0.50	ug/L	20	<0.50	105	70-130			
1,2,4-Trimethylbenzene	**21.7**	0.50	ug/L	20	<0.50	108	70-130			
Vinyl chloride	**19.8**	0.50	ug/L	20	<0.50	98.8	70-130			
o-Xylene	**19.3**	0.50	ug/L	20	<0.50	96.4	70-130			
m,p-Xylenes	**38.7**	1.0	ug/L	40	<1.0	96.8	70-130			

Viorel Vasile
Operations Manager

AMERICAN ® ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH) | **AA Project No:** A5331954
Project No: 04-NDLA-013 | **Date Received:** 10/10/16
Project Name: DFSP Norwalk GW Sampling | **Date Reported:** 10/21/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1827 - EPA 5030B										
Matrix Spike (B6J1827-MS1) Continued	**Source: 6J10011-02**	Prepared: 10/18/16	Analyzed: 10/19/16							
Surrogate: 4-Bromofluorobenzene	*53.6*		*ug/L*	*50*		*107*	*70-140*			
Surrogate: Dibromofluoromethane	*52.2*		*ug/L*	*50*		*104*	*70-140*			
Surrogate: Toluene-d8	*49.3*		*ug/L*	*50*		*98.7*	*70-140*			
Matrix Spike Dup (B6J1827-MSD1)	**Source: 6J10011-02**	Prepared: 10/18/16	Analyzed: 10/19/16							
Acetone	**54.7**	10	ug/L	50	<10	109	70-130	10.1	30	
tert-Amyl Methyl Ether (TAME)	**19.6**	2.0	ug/L	20	<2.0	98.0	70-130	8.08	30	
Benzene	**22.7**	0.50	ug/L	20	<0.50	114	70-130	3.84	30	
Bromobenzene	**20.8**	0.50	ug/L	20	<0.50	104	70-130	3.66	30	
Bromochloromethane	**21.2**	0.50	ug/L	20	<0.50	106	70-130	5.76	30	
Bromodichloromethane	**21.6**	0.50	ug/L	20	<0.50	108	70-130	2.60	30	
Bromoform	**16.5**	0.50	ug/L	20	<0.50	82.6	70-130	9.84	30	
Bromomethane	**19.0**	0.50	ug/L	20	<0.50	95.0	70-130	8.45	30	
2-Butanone (MEK)	**51.5**	10	ug/L	50	<10	103	70-130	10.8	30	
tert-Butyl alcohol (TBA)	**112**	10	ug/L	100	<10	112	70-130	6.89	30	
sec-Butylbenzene	**21.6**	0.50	ug/L	20	<0.50	108	70-130	6.85	30	
tert-Butylbenzene	**23.5**	0.50	ug/L	20	0.460	115	70-130	8.38	30	
n-Butylbenzene	**21.8**	0.50	ug/L	20	<0.50	109	70-130	5.96	30	
Carbon Disulfide	**44.5**	0.50	ug/L	50	<0.50	89.1	70-130	4.76	30	
Carbon Tetrachloride	**21.2**	0.50	ug/L	20	<0.50	106	70-130	2.49	30	
Chlorobenzene	**19.7**	0.50	ug/L	20	<0.50	98.4	70-130	0.662	30	
Chloroethane	**23.9**	0.50	ug/L	20	<0.50	119	70-130	4.63	30	
Chloroform	**21.6**	0.50	ug/L	20	<0.50	108	70-130	0.139	30	
Chloromethane	**19.3**	0.50	ug/L	20	<0.50	96.5	70-130	5.70	30	
2-Chlorotoluene	**22.1**	0.50	ug/L	20	<0.50	110	70-130	3.13	30	
4-Chlorotoluene	**21.9**	0.50	ug/L	20	<0.50	110	70-130	6.21	30	
1,2-Dibromo-3-chloropropane	**23.0**	1.0	ug/L	20	<1.0	115	70-130	6.06	30	
Dibromochloromethane	**20.1**	0.50	ug/L	20	<0.50	101	70-130	3.56	30	
1,2-Dibromoethane (EDB)	**18.9**	0.50	ug/L	20	<0.50	94.5	70-130	6.30	30	
Dibromomethane	**19.9**	0.50	ug/L	20	<0.50	99.5	70-130	14.2	30	
1,3-Dichlorobenzene	**21.1**	0.50	ug/L	20	<0.50	106	70-130	1.38	30	
1,2-Dichlorobenzene	**22.4**	0.50	ug/L	20	<0.50	112	70-130	0.492	30	

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331954
Date Received: 10/10/16
Date Reported: 10/21/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1827 - EPA 5030B										
Matrix Spike Dup (B6J1827-MSD1) Continued		**Source: 6J10011-02**	Prepared: 10/18/16	Analyzed: 10/19/16						
1,4-Dichlorobenzene	**20.7**	0.50	ug/L	20	<0.50	104	70-130	2.74	30	
Dichlorodifluoromethane (R12)	**16.4**	0.50	ug/L	20	<0.50	82.0	70-130	1.97	30	
1,1-Dichloroethane	**22.5**	0.50	ug/L	20	<0.50	113	70-130	1.63	30	
1,2-Dichloroethane (EDC)	**20.9**	0.50	ug/L	20	<0.50	104	70-130	6.27	30	
1,1-Dichloroethylene	**23.9**	0.50	ug/L	20	<0.50	119	70-130	2.76	30	
trans-1,2-Dichloroethylene	**21.0**	0.50	ug/L	20	<0.50	105	70-130	4.89	30	
cis-1,2-Dichloroethylene	**20.2**	0.50	ug/L	20	<0.50	101	70-130	2.40	30	
1,2-Dichloropropane	**23.1**	0.50	ug/L	20	<0.50	116	70-130	6.00	30	
2,2-Dichloropropane	**20.7**	0.50	ug/L	20	<0.50	103	70-130	3.80	30	
1,3-Dichloropropane	**19.3**	0.50	ug/L	20	<0.50	96.3	70-130	6.72	30	
cis-1,3-Dichloropropylene	**18.8**	0.50	ug/L	20	<0.50	93.8	70-130	8.76	30	
trans-1,3-Dichloropropylene	**19.2**	0.50	ug/L	20	<0.50	96.2	70-130	3.98	30	
1,1-Dichloropropylene	**21.0**	0.50	ug/L	20	<0.50	105	70-130	1.10	30	
Diisopropyl ether (DIPE)	**23.1**	2.0	ug/L	20	<2.0	115	70-130	5.80	30	
Ethylbenzene	**20.7**	0.50	ug/L	20	<0.50	103	70-130	5.16	30	
Ethyl-tert-Butyl Ether (ETBE)	**21.6**	2.0	ug/L	20	<2.0	108	70-130	5.76	30	
Hexachlorobutadiene	**19.8**	1.0	ug/L	20	<1.0	98.9	70-130	9.26	30	
2-Hexanone (MBK)	**52.8**	10	ug/L	50	<10	106	70-130	12.1	30	
Isopropylbenzene	**22.7**	0.50	ug/L	20	<0.50	114	70-130	7.81	30	
4-Isopropyltoluene	**22.7**	1.0	ug/L	20	<1.0	114	70-130	5.80	30	
Methyl-tert-Butyl Ether (MTBE)	**42.4**	1.0	ug/L	40	<1.0	106	70-130	9.83	30	
Methylene Chloride	**24.4**	5.0	ug/L	20	<5.0	122	70-130	1.79	30	
4-Methyl-2-pentanone (MIBK)	**49.0**	10	ug/L	50	<10	98.1	70-130	16.9	30	
Naphthalene	**24.7**	2.0	ug/L	20	<2.0	124	70-130	3.96	30	
n-Propylbenzene	**22.2**	0.50	ug/L	20	<0.50	111	70-130	6.62	30	
Styrene	**18.9**	0.50	ug/L	20	<0.50	94.4	70-130	2.03	30	
1,1,1,2-Tetrachloroethane	**19.1**	0.50	ug/L	20	<0.50	95.3	70-130	1.91	30	
1,1,2,2-Tetrachloroethane	**19.5**	0.50	ug/L	20	<0.50	97.6	70-130	10.4	30	
Tetrachloroethylene (PCE)	**19.2**	0.50	ug/L	20	<0.50	96.2	70-130	4.35	30	
Toluene	**20.3**	0.50	ug/L	20	<0.50	101	70-130	3.87	30	
1,2,3-Trichlorobenzene	**19.8**	0.50	ug/L	20	<0.50	98.8	70-130	1.21	30	

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331954
Date Received: 10/10/16
Date Reported: 10/21/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1827 - EPA 5030B										
Matrix Spike Dup (B6J1827-MSD1) Continued		**Source: 6J10011-02**		Prepared: 10/18/16	Analyzed: 10/19/16					
1,2,4-Trichlorobenzene	**19.6**	0.50	ug/L	20	<0.50	98.2	70-130	3.95	30	
1,1,1-Trichloroethane	**21.8**	0.50	ug/L	20	<0.50	109	70-130	1.43	30	
1,1,2-Trichloroethane	**19.8**	0.50	ug/L	20	<0.50	99.2	70-130	6.44	30	
Trichloroethylene (TCE)	**20.2**	0.50	ug/L	20	<0.50	101	70-130	1.37	30	
Trichlorofluoromethane (R11)	**20.8**	0.50	ug/L	20	<0.50	104	70-130	1.50	30	
1,2,3-Trichloropropane	**18.7**	0.50	ug/L	20	<0.50	93.3	70-130	12.5	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**23.4**	0.50	ug/L	20	<0.50	117	70-130	0.257	30	
1,3,5-Trimethylbenzene	**22.3**	0.50	ug/L	20	<0.50	112	70-130	6.14	30	
1,2,4-Trimethylbenzene	**22.4**	0.50	ug/L	20	<0.50	112	70-130	3.27	30	
Vinyl chloride	**21.3**	0.50	ug/L	20	<0.50	106	70-130	7.50	30	
o-Xylene	**19.7**	0.50	ug/L	20	<0.50	98.6	70-130	2.26	30	
m,p-Xylenes	**39.8**	1.0	ug/L	40	<1.0	99.6	70-130	2.83	30	
Surrogate: 4-Bromofluorobenzene	*52.4*		*ug/L*	*50*		*105*	*70-140*			
Surrogate: Dibromofluoromethane	*50.3*		*ug/L*	*50*		*101*	*70-140*			
Surrogate: Toluene-d8	*49.6*		*ug/L*	*50*		*99.3*	*70-140*			
Diesel Range Organics by GC/FID - Quality Control										
Batch B6J1220 - EPA 3510C										
Blank (B6J1220-BLK1)				Prepared: 10/12/16	Analyzed: 10/13/16					
Diesel Range Organics as Diesel	<0.10	0.10	mg/L							
Surrogate: o-Terphenyl	*0.0398*		*mg/L*	*0.040*		*99.6*	*50-150*			
LCS (B6J1220-BS1)				Prepared: 10/12/16	Analyzed: 10/13/16					
Diesel Range Organics as Diesel	**0.904**	0.10	mg/L	0.80		113	75-125			
Surrogate: o-Terphenyl	*0.0546*		*mg/L*	*0.040*		*136*	*50-150*			
LCS Dup (B6J1220-BSD1)				Prepared: 10/12/16	Analyzed: 10/13/16					
Diesel Range Organics as Diesel	**0.806**	0.10	mg/L	0.80		101	75-125	11.5	30	
Surrogate: o-Terphenyl	*0.0513*		*mg/L*	*0.040*		*128*	*50-150*			
Gasoline Range Organics by GC/FID - Quality Control										

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: A5331954
Date Received: 10/10/16
Date Reported: 10/21/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Gasoline Range Organics by GC/FID - Quality Control										
Batch B6J1129 - EPA 5030B										
Blank (B6J1129-BLK1)				Prepared & Analyzed: 10/11/16						
Gasoline Range Organics (GRO)	<100	100	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*47.8*		*ug/L*	*50*		*95.7*	*80-120*			
LCS (B6J1129-BS1)				Prepared & Analyzed: 10/11/16						
Gasoline Range Organics (GRO)	**425**	100	ug/L	500		85.1	75-125			
Surrogate: a,a,a-Trifluorotoluene	*45.2*		*ug/L*	*50*		*90.4*	*80-120*			
LCS Dup (B6J1129-BSD1)				Prepared & Analyzed: 10/11/16						
Gasoline Range Organics (GRO)	**429**	100	ug/L	500		85.8	75-125	0.825	30	
Surrogate: a,a,a-Trifluorotoluene	*48.4*		*ug/L*	*50*		*96.7*	*80-120*			
Matrix Spike (B6J1129-MS1)		**Source: 6J10011-03**		Prepared & Analyzed: 10/11/16						
Gasoline Range Organics (GRO)	**486**	100	ug/L	500	53.4	86.5	70-130			
Surrogate: a,a,a-Trifluorotoluene	*45.8*		*ug/L*	*50*		*91.6*	*80-120*			
Matrix Spike Dup (B6J1129-MSD1)		**Source: 6J10011-03**		Prepared & Analyzed: 10/11/16						
Gasoline Range Organics (GRO)	**476**	100	ug/L	500	53.4	84.6	70-130	1.99	30	
Surrogate: a,a,a-Trifluorotoluene	*44.1*		*ug/L*	*50*		*88.2*	*80-120*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331954
Project No:	04-NDLA-013	**Date Received:**	10/10/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/21/16

Special Notes

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.: 125895
70046816
Page 1 of 1

Client: APEX-SGI		Project Name / No.: DFSP Norwalk		Sampler's Name: David Webber	
Project Manager: DANIEL SWENSSON		Site Address: 15306 Norwalk Blvd		Sampler's Signature: [signature]	
Phone: 1-562-597-1055		City: Norwalk		P.O. No.: —	
Fax: 1-562-597-1070		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)

Please enter the TAT Turnaround Codes ** below

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	8260B	8015 TPH-g	8015m "D"								Special Instructions
QCTB-1	6J10011-01	10-10-16	600	GW	2	X	[crossed out]	[crossed out]								
GMW-12	-02	10-10-16	805	GW	7	X	X	X								
TF-8	-03	10-10-16	840	GW	7	X	X	X								
DUP-7	-04	10-10-16	XXXX	GW	7	X	X	X								
GW-4	-05	10-10-16	915	GW	7	X	X	X								
GMW-21	-06	10-10-16	950	GW	7	X	X	X								
GMW-15	-07	10-10-16	1025	GW	7	X	X	X								
GMW-45	-08	10-10-16	1015	GW		X	X	X								
QCEB-1	-09	10-10-16	1115	GW	2	X										

SAMPLE INTEGRITY
INTACT Y N TEMP 4°C

16OCT10 13:2[illegible]

For Laboratory Use

REVIEWED
Date 10/10/16 Time 1415
TAT N Days Sign: [signature]

A.A. Project No.: A5331954/6J10011

Relinquished by	Date	Time	Received by
[signature]	10-10-16	1210	[signature]
[signature]	10/10/16	1328	[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.

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

October 21, 2016

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

Re : DFSP Norwalk GW Sampling / 04-NDLA-013

A5331957 / 6J12011

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 10/12/16 16:45 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 Analytics.

Sincerely,

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: A5331957
Date Received: 10/12/16
Date Reported: 10/21/16

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8260B+OXY+TPHG					
QCTB-1	6J12011-01	Water	5	10/11/16 06:00	10/12/16 16:45
QCEB-1	6J12011-10	Water	5	10/11/16 12:20	10/12/16 16:45
8260B+OXYGENATES					
TF-21	6J12011-02	Water	5	10/11/16 08:30	10/12/16 16:45
GMW-59	6J12011-03	Water	5	10/11/16 09:05	10/12/16 16:45
GMW-48	6J12011-04	Water	5	10/11/16 09:45	10/12/16 16:45
DUP-8	6J12011-05	Water	5	10/11/16 00:00	10/12/16 16:45
GMW-7	6J12011-06	Water	5	10/11/16 10:20	10/12/16 16:45
GW-7	6J12011-07	Water	5	10/11/16 10:55	10/12/16 16:45
TF-24	6J12011-08	Water	5	10/11/16 11:20	10/12/16 16:45
GW-15	6J12011-09	Water	5	10/11/16 12:05	10/12/16 16:45
Diesel Range Organics 8015M					
TF-21	6J12011-02	Water	5	10/11/16 08:30	10/12/16 16:45
GMW-59	6J12011-03	Water	5	10/11/16 09:05	10/12/16 16:45
GMW-48	6J12011-04	Water	5	10/11/16 09:45	10/12/16 16:45
DUP-8	6J12011-05	Water	5	10/11/16 00:00	10/12/16 16:45
GMW-7	6J12011-06	Water	5	10/11/16 10:20	10/12/16 16:45
GW-7	6J12011-07	Water	5	10/11/16 10:55	10/12/16 16:45

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331957
Project No:	04-NDLA-013	**Date Received:**	10/12/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/21/16

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
TF-24	6J12011-08	Water	5	10/11/16 11:20	10/12/16 16:45
GW-15	6J12011-09	Water	5	10/11/16 12:05	10/12/16 16:45
Gasoline Range Organics 8015M					
TF-21	6J12011-02	Water	5	10/11/16 08:30	10/12/16 16:45
GMW-59	6J12011-03	Water	5	10/11/16 09:05	10/12/16 16:45
GMW-48	6J12011-04	Water	5	10/11/16 09:45	10/12/16 16:45
DUP-8	6J12011-05	Water	5	10/11/16 00:00	10/12/16 16:45
GMW-7	6J12011-06	Water	5	10/11/16 10:20	10/12/16 16:45
GW-7	6J12011-07	Water	5	10/11/16 10:55	10/12/16 16:45
TF-24	6J12011-08	Water	5	10/11/16 11:20	10/12/16 16:45
GW-15	6J12011-09	Water	5	10/11/16 12:05	10/12/16 16:45

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331957
Project No:	04-NDLA-013	**Date Received:**	10/12/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/21/16
Method:	VOCs, OXY & TPH Gasoline by GC/MS	**Units:**	ug/L

Date Sampled:	10/11/16	10/11/16	
Date Prepared:	10/17/16	10/17/16	
Date Analyzed:	10/17/16	10/18/16	
AA ID No:	6J12011-01	6J12011-10	
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

AMERICAN ANALYTICS

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: A5331957
Date Received: 10/12/16
Date Reported: 10/21/16
Units: ug/L

Date Sampled:	10/11/16	10/11/16	
Date Prepared:	10/17/16	10/17/16	
Date Analyzed:	10/17/16	10/18/16	
AA ID No:	6J12011-01	6J12011-10	
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)	<1.0	<1.0	1.0
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: A5331957
Date Received: 10/12/16
Date Reported: 10/21/16
Units: ug/L

Date Sampled:	10/11/16	10/11/16	
Date Prepared:	10/17/16	10/17/16	
Date Analyzed:	10/17/16	10/18/16	
AA ID No:	6J12011-01	6J12011-10	
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	111%	117%	70-140
Dibromofluoromethane	129%	123%	70-140
Toluene-d8	101%	103%	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331957
Project No:	04-NDLA-013	**Date Received:**	10/12/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/21/16
Method:	VOCs & OXYGENATES by GC/MS	**Units:**	ug/L

Date Sampled:	10/11/16	10/11/16	10/11/16	10/11/16	
Date Prepared:	10/18/16	10/18/16	10/18/16	10/18/16	
Date Analyzed:	10/18/16	10/18/16	10/18/16	10/18/16	
AA ID No:	6J12011-02	6J12011-03	6J12011-04	6J12011-05	
Client ID No:	TF-21	GMW-59	GMW-48	DUP-8	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	2	2	2	MRL

8260B+OXYGENATES (EPA 8260B)

Acetone	<10	<20	<20	<20	10
tert-Amyl Methyl Ether (TAME)	<2.0	<4.0	<4.0	<4.0	2.0
Benzene	**8.5**	**110**	**200**	**200**	0.50
Bromobenzene	<0.50	<1.0	<1.0	<1.0	0.50
Bromochloromethane	<0.50	<1.0	<1.0	<1.0	0.50
Bromodichloromethane	<0.50	<1.0	<1.0	<1.0	0.50
Bromoform	<0.50	<1.0	<1.0	<1.0	0.50
Bromomethane	<0.50	<1.0	<1.0	<1.0	0.50
2-Butanone (MEK)	<10	<20	<20	<20	10
tert-Butyl alcohol (TBA)	<10	<20	<20	<20	10
sec-Butylbenzene	**4.9**	**4.3**	**2.9**	**2.6**	0.50
tert-Butylbenzene	**1.2**	**1.5**	**1.1**	<1.0	0.50
n-Butylbenzene	<0.50	<1.0	<1.0	<1.0	0.50
Carbon Disulfide	<0.50	<1.0	<1.0	<1.0	0.50
Carbon Tetrachloride	<0.50	<1.0	<1.0	<1.0	0.50
Chlorobenzene	<0.50	<1.0	<1.0	<1.0	0.50
Chloroethane	<0.50	<1.0	<1.0	<1.0	0.50
Chloroform	<0.50	<1.0	<1.0	<1.0	0.50
Chloromethane	<0.50	<1.0	<1.0	<1.0	0.50
2-Chlorotoluene	<0.50	<1.0	<1.0	<1.0	0.50
4-Chlorotoluene	<0.50	<1.0	<1.0	<1.0	0.50
1,2-Dibromo-3-chloropropane	<1.0	<2.0	<2.0	<2.0	1.0
Dibromochloromethane	<0.50	<1.0	<1.0	<1.0	0.50
1,2-Dibromoethane (EDB)	<0.50	<1.0	<1.0	<1.0	0.50
Dibromomethane	<0.50	<1.0	<1.0	<1.0	0.50
1,3-Dichlorobenzene	<0.50	<1.0	<1.0	<1.0	0.50
1,2-Dichlorobenzene	<0.50	<1.0	<1.0	<1.0	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: A5331957
Date Received: 10/12/16
Date Reported: 10/21/16
Units: ug/L

Date Sampled:	10/11/16	10/11/16	10/11/16	10/11/16	
Date Prepared:	10/18/16	10/18/16	10/18/16	10/18/16	
Date Analyzed:	10/18/16	10/18/16	10/18/16	10/18/16	
AA ID No:	6J12011-02	6J12011-03	6J12011-04	6J12011-05	
Client ID No:	TF-21	GMW-59	GMW-48	DUP-8	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	2	2	2	MRL

8260B+OXYGENATES (EPA 8260B) (continued)

1,4-Dichlorobenzene	<0.50	<1.0	<1.0	<1.0	0.50
Dichlorodifluoromethane (R12)	<0.50	<1.0	<1.0	<1.0	0.50
1,1-Dichloroethane	<0.50	<1.0	<1.0	<1.0	0.50
1,2-Dichloroethane (EDC)	<0.50	<1.0	<1.0	<1.0	0.50
1,1-Dichloroethylene	<0.50	<1.0	<1.0	<1.0	0.50
trans-1,2-Dichloroethylene	<0.50	<1.0	<1.0	<1.0	0.50
cis-1,2-Dichloroethylene	<0.50	**4.8**	**4.0**	**3.7**	0.50
1,2-Dichloropropane	<0.50	<1.0	<1.0	<1.0	0.50
2,2-Dichloropropane	<0.50	<1.0	<1.0	<1.0	0.50
1,3-Dichloropropane	<0.50	<1.0	<1.0	<1.0	0.50
cis-1,3-Dichloropropylene	<0.50	<1.0	<1.0	<1.0	0.50
trans-1,3-Dichloropropylene	<0.50	<1.0	<1.0	<1.0	0.50
1,1-Dichloropropylene	<0.50	<1.0	<1.0	<1.0	0.50
Diisopropyl ether (DIPE)	<2.0	<4.0	<4.0	<4.0	2.0
Ethylbenzene	<0.50	<1.0	<1.0	<1.0	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	<4.0	<4.0	<4.0	2.0
Hexachlorobutadiene	<1.0	<2.0	<2.0	<2.0	1.0
2-Hexanone (MBK)	<10	<20	<20	<20	10
Isopropylbenzene	**28**	**32**	**25**	**23**	0.50
4-Isopropyltoluene	<1.0	<2.0	<2.0	<2.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<1.0	<2.0	<2.0	<2.0	1.0
Methylene Chloride	<5.0	<10	<10	<10	5.0
4-Methyl-2-pentanone (MIBK)	<10	<20	<20	<20	10
Naphthalene	**11**	**5.1**	<4.0	<4.0	2.0
n-Propylbenzene	**22**	**2.5**	**2.2**	**2.1**	0.50
Styrene	<0.50	<1.0	<1.0	<1.0	0.50
1,1,1,2-Tetrachloroethane	<0.50	<1.0	<1.0	<1.0	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331957
Project No:	04-NDLA-013	**Date Received:**	10/12/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/21/16
Method:	VOCs & OXYGENATES by GC/MS	**Units:**	ug/L

Date Sampled:	10/11/16	10/11/16	10/11/16	10/11/16	
Date Prepared:	10/18/16	10/18/16	10/18/16	10/18/16	
Date Analyzed:	10/18/16	10/18/16	10/18/16	10/18/16	
AA ID No:	6J12011-02	6J12011-03	6J12011-04	6J12011-05	
Client ID No:	TF-21	GMW-59	GMW-48	DUP-8	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	2	2	2	MRL
8260B+OXYGENATES (EPA 8260B) (continued)					
1,1,2,2-Tetrachloroethane	<0.50	<1.0	<1.0	<1.0	0.50
Tetrachloroethylene (PCE)	**1.7**	**2.3**	**1.2**	<1.0	0.50
Toluene	<0.50	<1.0	<1.0	<1.0	0.50
1,2,3-Trichlorobenzene	<0.50	<1.0	<1.0	<1.0	0.50
1,2,4-Trichlorobenzene	<0.50	<1.0	<1.0	<1.0	0.50
1,1,1-Trichloroethane	<0.50	<1.0	<1.0	<1.0	0.50
1,1,2-Trichloroethane	<0.50	<1.0	<1.0	<1.0	0.50
Trichloroethylene (TCE)	<0.50	<1.0	<1.0	<1.0	0.50
Trichlorofluoromethane (R11)	<0.50	<1.0	<1.0	<1.0	0.50
1,2,3-Trichloropropane	<0.50	<1.0	<1.0	<1.0	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	<1.0	<1.0	<1.0	0.50
1,3,5-Trimethylbenzene	<0.50	<1.0	<1.0	<1.0	0.50
1,2,4-Trimethylbenzene	<0.50	<1.0	<1.0	<1.0	0.50
Vinyl chloride	<0.50	<1.0	<1.0	<1.0	0.50
o-Xylene	<0.50	<1.0	<1.0	<1.0	0.50
m,p-Xylenes	<1.0	<2.0	<2.0	<2.0	1.0
Surrogates					**%REC Limits**
4-Bromofluorobenzene	105%	102%	103%	101%	70-140
Dibromofluoromethane	114%	115%	112%	113%	70-140
Toluene-d8	101%	100%	99%	98%	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331957
Project No:	04-NDLA-013	**Date Received:**	10/12/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/21/16
Method:	VOCs & OXYGENATES by GC/MS	**Units:**	ug/L

Date Sampled:	10/11/16	10/11/16	10/11/16	10/11/16	
Date Prepared:	10/18/16	10/18/16	10/18/16	10/18/16	
Date Analyzed:	10/18/16	10/18/16	10/18/16	10/18/16	
AA ID No:	6J12011-06	6J12011-07	6J12011-08	6J12011-09	
Client ID No:	GMW-7	GW-7	TF-24	GW-15	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	5	MRL

8260B+OXYGENATES (EPA 8260B)

Acetone	<10	<10	<10	<50	10
tert-Amyl Methyl Ether (TAME)	<2.0	<2.0	<2.0	<10	2.0
Benzene	**7.5**	<0.50	<0.50	**730**	0.50
Bromobenzene	<0.50	<0.50	<0.50	<2.5	0.50
Bromochloromethane	<0.50	<0.50	<0.50	<2.5	0.50
Bromodichloromethane	<0.50	<0.50	<0.50	<2.5	0.50
Bromoform	<0.50	<0.50	<0.50	<2.5	0.50
Bromomethane	<0.50	<0.50	<0.50	<2.5	0.50
2-Butanone (MEK)	<10	<10	<10	<50	10
tert-Butyl alcohol (TBA)	**47**	<10	<10	<50	10
sec-Butylbenzene	**1.6**	<0.50	<0.50	**6.0**	0.50
tert-Butylbenzene	**0.79**	<0.50	<0.50	**2.6**	0.50
n-Butylbenzene	<0.50	<0.50	<0.50	<2.5	0.50
Carbon Disulfide	<0.50	<0.50	<0.50	<2.5	0.50
Carbon Tetrachloride	<0.50	<0.50	<0.50	<2.5	0.50
Chlorobenzene	<0.50	<0.50	<0.50	<2.5	0.50
Chloroethane	<0.50	<0.50	<0.50	<2.5	0.50
Chloroform	<0.50	<0.50	<0.50	<2.5	0.50
Chloromethane	<0.50	<0.50	<0.50	<2.5	0.50
2-Chlorotoluene	<0.50	<0.50	<0.50	<2.5	0.50
4-Chlorotoluene	<0.50	<0.50	<0.50	<2.5	0.50
1,2-Dibromo-3-chloropropane	<1.0	<1.0	<1.0	<5.0	1.0
Dibromochloromethane	<0.50	<0.50	<0.50	<2.5	0.50
1,2-Dibromoethane (EDB)	<0.50	<0.50	<0.50	<2.5	0.50
Dibromomethane	<0.50	<0.50	<0.50	<2.5	0.50
1,3-Dichlorobenzene	<0.50	<0.50	<0.50	<2.5	0.50
1,2-Dichlorobenzene	<0.50	<0.50	<0.50	<2.5	0.50

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331957
Project No:	04-NDLA-013	**Date Received:**	10/12/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/21/16
Method:	VOCs & OXYGENATES by GC/MS	**Units:**	ug/L

Date Sampled:	10/11/16	10/11/16	10/11/16	10/11/16	
Date Prepared:	10/18/16	10/18/16	10/18/16	10/18/16	
Date Analyzed:	10/18/16	10/18/16	10/18/16	10/18/16	
AA ID No:	6J12011-06	6J12011-07	6J12011-08	6J12011-09	
Client ID No:	GMW-7	GW-7	TF-24	GW-15	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	5	MRL
8260B+OXYGENATES (EPA 8260B) (continued)					
1,4-Dichlorobenzene	<0.50	<0.50	<0.50	<2.5	0.50
Dichlorodifluoromethane (R12)	<0.50	<0.50	<0.50	<2.5	0.50
1,1-Dichloroethane	<0.50	<0.50	<0.50	<2.5	0.50
1,2-Dichloroethane (EDC)	<0.50	<0.50	<0.50	<2.5	0.50
1,1-Dichloroethylene	<0.50	<0.50	<0.50	<2.5	0.50
trans-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<2.5	0.50
cis-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<2.5	0.50
1,2-Dichloropropane	<0.50	<0.50	<0.50	<2.5	0.50
2,2-Dichloropropane	<0.50	<0.50	<0.50	<2.5	0.50
1,3-Dichloropropane	<0.50	<0.50	<0.50	<2.5	0.50
cis-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<2.5	0.50
trans-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<2.5	0.50
1,1-Dichloropropylene	<0.50	<0.50	<0.50	<2.5	0.50
Diisopropyl ether (DIPE)	<2.0	<2.0	<2.0	<10	2.0
Ethylbenzene	<0.50	<0.50	<0.50	<2.5	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	<2.0	<2.0	<10	2.0
Hexachlorobutadiene	<1.0	<1.0	<1.0	<5.0	1.0
2-Hexanone (MBK)	<10	<10	<10	<50	10
Isopropylbenzene	**4.6**	**0.63**	**0.63**	**11**	0.50
4-Isopropyltoluene	**1.7**	<1.0	<1.0	**16**	1.0
Methyl-tert-Butyl Ether (MTBE)	**1.4**	<1.0	<1.0	<5.0	1.0
Methylene Chloride	<5.0	<5.0	<5.0	<25	5.0
4-Methyl-2-pentanone (MIBK)	<10	<10	<10	<50	10
Naphthalene	<2.0	<2.0	<2.0	**31**	2.0
n-Propylbenzene	**1.1**	<0.50	<0.50	**7.0**	0.50
Styrene	<0.50	<0.50	<0.50	<2.5	0.50
1,1,1,2-Tetrachloroethane	<0.50	<0.50	<0.50	<2.5	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331957
Project No:	04-NDLA-013	**Date Received:**	10/12/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/21/16
Method:	VOCs & OXYGENATES by GC/MS	**Units:**	ug/L

Date Sampled:	10/11/16	10/11/16	10/11/16	10/11/16	
Date Prepared:	10/18/16	10/18/16	10/18/16	10/18/16	
Date Analyzed:	10/18/16	10/18/16	10/18/16	10/18/16	
AA ID No:	6J12011-06	6J12011-07	6J12011-08	6J12011-09	
Client ID No:	GMW-7	GW-7	TF-24	GW-15	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	5	MRL
8260B+OXYGENATES (EPA 8260B) (continued)					
1,1,2,2-Tetrachloroethane	<0.50	<0.50	<0.50	<2.5	0.50
Tetrachloroethylene (PCE)	**3.8**	<0.50	<0.50	<2.5	0.50
Toluene	<0.50	<0.50	<0.50	<2.5	0.50
1,2,3-Trichlorobenzene	<0.50	<0.50	<0.50	<2.5	0.50
1,2,4-Trichlorobenzene	<0.50	<0.50	<0.50	<2.5	0.50
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	<2.5	0.50
1,1,2-Trichloroethane	<0.50	<0.50	<0.50	<2.5	0.50
Trichloroethylene (TCE)	<0.50	<0.50	<0.50	<2.5	0.50
Trichlorofluoromethane (R11)	<0.50	<0.50	<0.50	<2.5	0.50
1,2,3-Trichloropropane	<0.50	<0.50	<0.50	<2.5	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	<0.50	<0.50	<2.5	0.50
1,3,5-Trimethylbenzene	**3.3**	<0.50	<0.50	**12**	0.50
1,2,4-Trimethylbenzene	**1.0**	<0.50	<0.50	**20**	0.50
Vinyl chloride	<0.50	<0.50	<0.50	<2.5	0.50
o-Xylene	<0.50	<0.50	<0.50	<2.5	0.50
m,p-Xylenes	<1.0	<1.0	<1.0	<5.0	1.0
Surrogates					**%REC Limits**
4-Bromofluorobenzene	103%	110%	111%	104%	70-140
Dibromofluoromethane	119%	122%	119%	118%	70-140
Toluene-d8	98%	101%	98%	101%	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331957
Project No:	04-NDLA-013	**Date Received:**	10/12/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/21/16
Method:	Diesel Range Organics by GC/FID	**Units:**	mg/L

Date Sampled:	10/11/16	10/11/16	10/11/16	10/11/16	
Date Prepared:	10/17/16	10/17/16	10/17/16	10/17/16	
Date Analyzed:	10/17/16	10/17/16	10/17/16	10/17/16	
AA ID No:	6J12011-02	6J12011-03	6J12011-04	6J12011-05	
Client ID No:	TF-21	GMW-59	GMW-48	DUP-8	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
Diesel Range Organics 8015M (EPA 8015M)					
Diesel Range Organics as Diesel	**7.8**	**1.8**	**1.1**	**1.1**	0.10
Surrogates					**%REC Limits**
o-Terphenyl	109%	139%	145%	134%	50-150

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Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331957
Project No:	04-NDLA-013	**Date Received:**	10/12/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/21/16
Method:	Diesel Range Organics by GC/FID	**Units:**	mg/L

Date Sampled:	10/11/16	10/11/16	10/11/16	10/11/16	
Date Prepared:	10/17/16	10/17/16	10/17/16	10/17/16	
Date Analyzed:	10/17/16	10/17/16	10/17/16	10/18/16	
AA ID No:	6J12011-06	6J12011-07	6J12011-08	6J12011-09	
Client ID No:	GMW-7	GW-7	TF-24	GW-15	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	10	MRL
Diesel Range Organics 8015M (EPA 8015M)					
Diesel Range Organics as Diesel	**2.0**	**0.12**	**1.1**	**24**	0.10
Surrogates					**%REC Limits**
o-Terphenyl	146%	121%	132%	134%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331957
Project No:	04-NDLA-013	**Date Received:**	10/12/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/21/16
Method:	Gasoline Range Organics by GC/FID	**Units:**	ug/L

Date Sampled:	10/11/16	10/11/16	10/11/16	10/11/16	
Date Prepared:	10/14/16	10/14/16	10/14/16	10/14/16	
Date Analyzed:	10/14/16	10/14/16	10/14/16	10/14/16	
AA ID No:	6J12011-02	6J12011-03	6J12011-04	6J12011-05	
Client ID No:	TF-21	GMW-59	GMW-48	DUP-8	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
Gasoline Range Organics 8015M (EPA 8015M)					
Gasoline Range Organics (GRO)	**1300**	**470**	**470**	**530**	100
Surrogates					**%REC Limits**
a,a,a-Trifluorotoluene	100%	96%	95%	97%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331957
Project No:	04-NDLA-013	**Date Received:**	10/12/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/21/16
Method:	Gasoline Range Organics by GC/FID	**Units:**	ug/L

Date Sampled:	10/11/16	10/11/16	10/11/16	10/11/16	
Date Prepared:	10/14/16	10/14/16	10/14/16	10/14/16	
Date Analyzed:	10/14/16	10/14/16	10/14/16	10/14/16	
AA ID No:	6J12011-06	6J12011-07	6J12011-08	6J12011-09	
Client ID No:	GMW-7	GW-7	TF-24	GW-15	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	20	MRL
Gasoline Range Organics 8015M (EPA 8015M)					
Gasoline Range Organics (GRO)	**560**	<100	<100	**8700**	100
Surrogates					**%REC Limits**
a,a,a-Trifluorotoluene	95%	93%	90%	94%	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: A5331957
Date Received: 10/12/16
Date Reported: 10/21/16

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										
Batch B6J1723 - EPA 5030B										
Blank (B6J1723-BLK1)				Prepared & Analyzed: 10/17/16						
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							

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Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331957
Project No:	04-NDLA-013	**Date Received:**	10/12/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/21/16

VOCs, OXY & TPH Gasoline by GC/MS - Quality Control

Batch B6J1723 - EPA 5030B

Blank (B6J1723-BLK1) Continued Prepared & Analyzed: 10/17/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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)	<1.0	1.0	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							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331957
Project No:	04-NDLA-013	**Date Received:**	10/12/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/21/16

VOCs, OXY & TPH Gasoline by GC/MS - Quality Control

Batch B6J1723 - EPA 5030B

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (B6J1723-BLK1) Continued				Prepared & Analyzed: 10/17/16						
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							
Surrogate: 4-Bromofluorobenzene	*55.4*		*ug/L*	*50*		*111*	*70-140*			
Surrogate: Dibromofluoromethane	*62.7*		*ug/L*	*50*		*125*	*70-140*			
Surrogate: Toluene-d8	*49.7*		*ug/L*	*50*		*99.5*	*70-140*			
LCS (B6J1723-BS1)				Prepared: 10/17/16 Analyzed: 10/18/16						
Acetone	**47.9**	10	ug/L	50		95.8	70-130			
tert-Amyl Methyl Ether (TAME)	**17.7**	2.0	ug/L	20		88.4	70-130			
Benzene	**22.7**	0.50	ug/L	20		113	75-125			
Bromobenzene	**19.0**	0.50	ug/L	20		94.9	70-130			
Bromochloromethane	**21.5**	0.50	ug/L	20		108	70-130			
Bromodichloromethane	**23.3**	0.50	ug/L	20		117	75-125			
Bromoform	**16.3**	0.50	ug/L	20		81.3	75-125			
Bromomethane	**16.5**	0.50	ug/L	20		82.6	75-125			
2-Butanone (MEK)	**46.0**	10	ug/L	50		92.0	70-130			
tert-Butyl alcohol (TBA)	**105**	10	ug/L	100		105	70-130			
sec-Butylbenzene	**21.5**	0.50	ug/L	20		108	70-130			
tert-Butylbenzene	**22.8**	0.50	ug/L	20		114	70-130			
n-Butylbenzene	**22.3**	0.50	ug/L	20		111	70-130			
Carbon Disulfide	**41.5**	0.50	ug/L	50		83.1	70-130			
Carbon Tetrachloride	**24.2**	0.50	ug/L	20		121	75-125			
Chlorobenzene	**20.3**	0.50	ug/L	20		102	75-125			
Chloroethane	**22.5**	0.50	ug/L	20		113	75-125			

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331957
Date Received: 10/12/16
Date Reported: 10/21/16

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										
Batch B6J1723 - EPA 5030B										
LCS (B6J1723-BS1) Continued				Prepared: 10/17/16	Analyzed: 10/18/16					
Chloroform	**23.5**	0.50	ug/L	20		118	75-125			
Chloromethane	**19.7**	0.50	ug/L	20		98.4	65-125			
2-Chlorotoluene	**22.2**	0.50	ug/L	20		111	70-130			
4-Chlorotoluene	**22.1**	0.50	ug/L	20		110	70-130			
1,2-Dibromo-3-chloropropane	**20.8**	1.0	ug/L	20		104	70-130			
Dibromochloromethane	**21.2**	0.50	ug/L	20		106	75-125			
1,2-Dibromoethane (EDB)	**18.1**	0.50	ug/L	20		90.6	70-130			
Dibromomethane	**21.8**	0.50	ug/L	20		109	70-130			
1,3-Dichlorobenzene	**20.4**	0.50	ug/L	20		102	70-130			
1,2-Dichlorobenzene	**21.1**	0.50	ug/L	20		105	70-130			
1,4-Dichlorobenzene	**19.9**	0.50	ug/L	20		99.6	75-125			
Dichlorodifluoromethane (R12)	**19.2**	0.50	ug/L	20		96.2	70-130			
1,1-Dichloroethane	**23.0**	0.50	ug/L	20		115	70-125			
1,2-Dichloroethane (EDC)	**23.6**	0.50	ug/L	20		118	75-125			
1,1-Dichloroethylene	**22.9**	0.50	ug/L	20		115	70-130			
trans-1,2-Dichloroethylene	**19.6**	0.50	ug/L	20		98.0	75-125			
cis-1,2-Dichloroethylene	**21.0**	0.50	ug/L	20		105	75-125			
1,2-Dichloropropane	**23.6**	0.50	ug/L	20		118	75-130			
2,2-Dichloropropane	**24.3**	0.50	ug/L	20		122	70-130			
1,3-Dichloropropane	**18.6**	0.50	ug/L	20		92.8	70-130			
cis-1,3-Dichloropropylene	**18.8**	0.50	ug/L	20		93.9	75-125			
trans-1,3-Dichloropropylene	**18.3**	0.50	ug/L	20		91.4	70-130			
1,1-Dichloropropylene	**23.0**	0.50	ug/L	20		115	70-130			
Diisopropyl ether (DIPE)	**22.0**	2.0	ug/L	20		110	70-130			
Ethylbenzene	**21.6**	0.50	ug/L	20		108	75-125			
Ethyl-tert-Butyl Ether (ETBE)	**20.0**	2.0	ug/L	20		100	70-130			
Gasoline Range Organics (GRO)	**486**	100	ug/L	500		97.3	70-130			
Hexachlorobutadiene	**18.9**	1.0	ug/L	20		94.4	70-130			
2-Hexanone (MBK)	**45.3**	10	ug/L	50		90.7	70-130			
Isopropylbenzene	**22.6**	0.50	ug/L	20		113	70-130			
4-Isopropyltoluene	**22.8**	1.0	ug/L	20		114	70-130			

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331957
Date Received: 10/12/16
Date Reported: 10/21/16

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										
Batch B6J1723 - EPA 5030B										
LCS (B6J1723-BS1) Continued				Prepared: 10/17/16 Analyzed: 10/18/16						
Methyl-tert-Butyl Ether (MTBE)	**37.6**	1.0	ug/L	40		94.0	75-125			
Methylene Chloride	**24.9**	5.0	ug/L	20		124	75-130			
4-Methyl-2-pentanone (MIBK)	**43.7**	10	ug/L	50		87.5	70-130			
Naphthalene	**19.8**	2.0	ug/L	20		99.2	70-130			
n-Propylbenzene	**22.2**	0.50	ug/L	20		111	70-130			
Styrene	**19.4**	0.50	ug/L	20		96.8	70-130			
1,1,1,2-Tetrachloroethane	**19.4**	0.50	ug/L	20		97.1	70-130			
1,1,2,2-Tetrachloroethane	**18.4**	0.50	ug/L	20		92.2	70-135			
Tetrachloroethylene (PCE)	**18.7**	0.50	ug/L	20		93.6	75-125			
Toluene	**21.2**	0.50	ug/L	20		106	75-125			
1,2,3-Trichlorobenzene	**18.3**	0.50	ug/L	20		91.7	70-130			
1,2,4-Trichlorobenzene	**18.4**	0.50	ug/L	20		91.8	70-130			
1,1,1-Trichloroethane	**24.4**	0.50	ug/L	20		122	75-125			
1,1,2-Trichloroethane	**19.7**	0.50	ug/L	20		98.7	75-125			
Trichloroethylene (TCE)	**22.0**	0.50	ug/L	20		110	75-125			
Trichlorofluoromethane (R11)	**24.8**	0.50	ug/L	20		124	70-130			
1,2,3-Trichloropropane	**17.3**	0.50	ug/L	20		86.6	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**24.2**	0.50	ug/L	20		121	70-130			
1,3,5-Trimethylbenzene	**22.1**	0.50	ug/L	20		111	70-130			
1,2,4-Trimethylbenzene	**22.8**	0.50	ug/L	20		114	70-130			
Vinyl chloride	**23.0**	0.50	ug/L	20		115	75-125			
o-Xylene	**21.1**	0.50	ug/L	20		105	75-125			
m,p-Xylenes	**41.0**	1.0	ug/L	40		103	70-130			
Surrogate: 4-Bromofluorobenzene	*54.5*		*ug/L*	*50*		*109*	*70-140*			
Surrogate: Dibromofluoromethane	*54.0*		*ug/L*	*50*		*108*	*70-140*			
Surrogate: Toluene-d8	*53.8*		*ug/L*	*50*		*108*	*70-140*			
Matrix Spike (B6J1723-MS1)		**Source: 6J10010-02**		Prepared & Analyzed: 10/17/16						
Acetone	**55.7**	10	ug/L	50		111	70-130			
tert-Amyl Methyl Ether (TAME)	**19.0**	2.0	ug/L	20		94.8	70-130			
Benzene	**21.2**	0.50	ug/L	20		106	70-130			

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331957
Date Received: 10/12/16
Date Reported: 10/21/16

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										
Batch B6J1723 - EPA 5030B										
Matrix Spike (B6J1723-MS1) Continued Source: 6J10010-02 Prepared & Analyzed: 10/17/16										
Bromobenzene	**19.4**	0.50	ug/L	20		97.2	70-130			
Bromochloromethane	**21.7**	0.50	ug/L	20		108	70-130			
Bromodichloromethane	**22.9**	0.50	ug/L	20		114	70-130			
Bromoform	**18.0**	0.50	ug/L	20		90.2	70-130			
Bromomethane	**16.9**	0.50	ug/L	20		84.7	70-130			
2-Butanone (MEK)	**51.9**	10	ug/L	50		104	70-130			
tert-Butyl alcohol (TBA)	**100**	10	ug/L	100		100	70-130			
sec-Butylbenzene	**20.6**	0.50	ug/L	20		103	70-130			
tert-Butylbenzene	**22.0**	0.50	ug/L	20		110	70-130			
n-Butylbenzene	**22.0**	0.50	ug/L	20		110	70-130			
Carbon Disulfide	**45.0**	0.50	ug/L	50		90.0	70-130			
Carbon Tetrachloride	**22.6**	0.50	ug/L	20		113	70-130			
Chlorobenzene	**19.6**	0.50	ug/L	20		98.1	70-130			
Chloroethane	**19.2**	0.50	ug/L	20		96.1	70-130			
Chloroform	**22.7**	0.50	ug/L	20		114	70-130			
Chloromethane	**19.9**	0.50	ug/L	20		99.4	70-130			
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	**24.1**	1.0	ug/L	20		121	70-130			
Dibromochloromethane	**20.9**	0.50	ug/L	20		104	70-130			
1,2-Dibromoethane (EDB)	**19.4**	0.50	ug/L	20		96.8	70-130			
Dibromomethane	**22.3**	0.50	ug/L	20		111	70-130			
1,3-Dichlorobenzene	**20.2**	0.50	ug/L	20		101	70-130			
1,2-Dichlorobenzene	**21.5**	0.50	ug/L	20		108	70-130			
1,4-Dichlorobenzene	**19.9**	0.50	ug/L	20		99.4	70-130			
Dichlorodifluoromethane (R12)	**18.5**	0.50	ug/L	20		92.6	70-130			
1,1-Dichloroethane	**22.9**	0.50	ug/L	20		114	70-130			
1,2-Dichloroethane (EDC)	**23.8**	0.50	ug/L	20		119	70-130			
1,1-Dichloroethylene	**23.1**	0.50	ug/L	20		115	70-130			
trans-1,2-Dichloroethylene	**19.9**	0.50	ug/L	20		99.7	70-130			
cis-1,2-Dichloroethylene	**20.2**	0.50	ug/L	20		101	70-130			

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331957
Date Received: 10/12/16
Date Reported: 10/21/16

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										
Batch B6J1723 - EPA 5030B										
Matrix Spike (B6J1723-MS1) Continued Source: 6J10010-02 Prepared & Analyzed: 10/17/16										
1,2-Dichloropropane	**22.1**	0.50	ug/L	20		110	70-130			
2,2-Dichloropropane	**24.2**	0.50	ug/L	20		121	70-130			
1,3-Dichloropropane	**18.9**	0.50	ug/L	20		94.6	70-130			
cis-1,3-Dichloropropylene	**19.8**	0.50	ug/L	20		99.0	70-130			
trans-1,3-Dichloropropylene	**19.9**	0.50	ug/L	20		99.5	70-130			
1,1-Dichloropropylene	**20.3**	0.50	ug/L	20		102	70-130			
Diisopropyl ether (DIPE)	**22.2**	2.0	ug/L	20		111	70-130			
Ethylbenzene	**20.0**	0.50	ug/L	20		100	70-130			
Ethyl-tert-Butyl Ether (ETBE)	**20.8**	2.0	ug/L	20		104	70-130			
Gasoline Range Organics (GRO)	**401**	100	ug/L	500		80.2	70-130			
Hexachlorobutadiene	**18.7**	1.0	ug/L	20		93.7	70-130			
2-Hexanone (MBK)	**58.8**	10	ug/L	50		118	70-130			
Isopropylbenzene	**21.5**	0.50	ug/L	20		108	70-130			
4-Isopropyltoluene	**22.2**	1.0	ug/L	20		111	70-130			
Methyl-tert-Butyl Ether (MTBE)	**41.2**	1.0	ug/L	40		103	70-130			
Methylene Chloride	**26.1**	5.0	ug/L	20	11.7	72.2	70-130			
4-Methyl-2-pentanone (MIBK)	**51.5**	10	ug/L	50		103	70-130			
Naphthalene	**24.7**	2.0	ug/L	20		123	70-130			
n-Propylbenzene	**21.5**	0.50	ug/L	20		108	70-130			
Styrene	**18.7**	0.50	ug/L	20		93.5	70-130			
1,1,1,2-Tetrachloroethane	**18.3**	0.50	ug/L	20		91.7	70-130			
1,1,2,2-Tetrachloroethane	**21.1**	0.50	ug/L	20		106	70-130			
Tetrachloroethylene (PCE)	**17.1**	0.50	ug/L	20		85.7	70-130			
Toluene	**19.2**	0.50	ug/L	20		95.8	70-130			
1,2,3-Trichlorobenzene	**19.9**	0.50	ug/L	20		99.4	70-130			
1,2,4-Trichlorobenzene	**19.1**	0.50	ug/L	20		95.6	70-130			
1,1,1-Trichloroethane	**22.3**	0.50	ug/L	20		112	70-130			
1,1,2-Trichloroethane	**19.5**	0.50	ug/L	20		97.6	70-130			
Trichloroethylene (TCE)	**20.1**	0.50	ug/L	20		100	70-130			
Trichlorofluoromethane (R11)	**23.7**	0.50	ug/L	20		118	70-130			
1,2,3-Trichloropropane	**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: A5331957
Date Received: 10/12/16
Date Reported: 10/21/16

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										
Batch B6J1723 - EPA 5030B										
Matrix Spike (B6J1723-MS1) Continued	**Source: 6J10010-02**	Prepared & Analyzed: 10/17/16								
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**24.0**	0.50	ug/L	20		120	70-130			
1,3,5-Trimethylbenzene	**21.7**	0.50	ug/L	20		109	70-130			
1,2,4-Trimethylbenzene	**22.3**	0.50	ug/L	20		112	70-130			
Vinyl chloride	**22.7**	0.50	ug/L	20		113	70-130			
o-Xylene	**20.0**	0.50	ug/L	20		99.8	70-130			
m,p-Xylenes	**38.7**	1.0	ug/L	40		96.8	70-130			
Surrogate: 4-Bromofluorobenzene	*54.6*		*ug/L*	*50*		*109*	*70-140*			
Surrogate: Dibromofluoromethane	*53.1*		*ug/L*	*50*		*106*	*70-140*			
Surrogate: Toluene-d8	*49.0*		*ug/L*	*50*		*98.0*	*70-140*			
Matrix Spike Dup (B6J1723-MSD1)	**Source: 6J10010-02**	Prepared & Analyzed: 10/17/16								
Acetone	**57.3**	10	ug/L	50		115	70-130	2.76	30	
tert-Amyl Methyl Ether (TAME)	**19.4**	2.0	ug/L	20		96.8	70-130	2.14	30	
Benzene	**22.3**	0.50	ug/L	20		111	70-130	4.73	30	
Bromobenzene	**20.2**	0.50	ug/L	20		101	70-130	3.93	30	
Bromochloromethane	**21.4**	0.50	ug/L	20		107	70-130	1.58	30	
Bromodichloromethane	**23.6**	0.50	ug/L	20		118	70-130	3.23	30	
Bromoform	**17.6**	0.50	ug/L	20		87.8	70-130	2.70	30	
Bromomethane	**17.3**	0.50	ug/L	20		86.4	70-130	2.04	30	
2-Butanone (MEK)	**58.3**	10	ug/L	50		117	70-130	11.5	30	
tert-Butyl alcohol (TBA)	**109**	10	ug/L	100		109	70-130	8.17	30	
sec-Butylbenzene	**21.2**	0.50	ug/L	20		106	70-130	2.91	30	
tert-Butylbenzene	**22.5**	0.50	ug/L	20		113	70-130	2.65	30	
n-Butylbenzene	**22.1**	0.50	ug/L	20		110	70-130	0.227	30	
Carbon Disulfide	**40.0**	0.50	ug/L	50		80.0	70-130	11.7	30	
Carbon Tetrachloride	**23.2**	0.50	ug/L	20		116	70-130	2.93	30	
Chlorobenzene	**19.7**	0.50	ug/L	20		98.6	70-130	0.508	30	
Chloroethane	**20.6**	0.50	ug/L	20		103	70-130	6.93	30	
Chloroform	**23.2**	0.50	ug/L	20		116	70-130	1.92	30	
Chloromethane	**21.3**	0.50	ug/L	20		106	70-130	6.85	30	
2-Chlorotoluene	**22.9**	0.50	ug/L	20		115	70-130	5.88	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: A5331957
Date Received: 10/12/16
Date Reported: 10/21/16

VOCs, OXY & TPH Gasoline by GC/MS - Quality Control

Batch B6J1723 - EPA 5030B

Matrix Spike Dup (B6J1723-MSD1) Continued **Source: 6J10010-02** Prepared & Analyzed: 10/17/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4-Chlorotoluene	**22.1**	0.50	ug/L	20		110	70-130	1.64	30	
1,2-Dibromo-3-chloropropane	**23.9**	1.0	ug/L	20		119	70-130	1.08	30	
Dibromochloromethane	**21.5**	0.50	ug/L	20		108	70-130	2.97	30	
1,2-Dibromoethane (EDB)	**20.2**	0.50	ug/L	20		101	70-130	4.35	30	
Dibromomethane	**23.7**	0.50	ug/L	20		119	70-130	6.31	30	
1,3-Dichlorobenzene	**20.8**	0.50	ug/L	20		104	70-130	3.27	30	
1,2-Dichlorobenzene	**22.4**	0.50	ug/L	20		112	70-130	3.92	30	
1,4-Dichlorobenzene	**20.6**	0.50	ug/L	20		103	70-130	3.36	30	
Dichlorodifluoromethane (R12)	**19.0**	0.50	ug/L	20		95.2	70-130	2.71	30	
1,1-Dichloroethane	**23.3**	0.50	ug/L	20		116	70-130	1.78	30	
1,2-Dichloroethane (EDC)	**24.2**	0.50	ug/L	20		121	70-130	1.67	30	
1,1-Dichloroethylene	**23.8**	0.50	ug/L	20		119	70-130	3.11	30	
trans-1,2-Dichloroethylene	**20.3**	0.50	ug/L	20		102	70-130	1.79	30	
cis-1,2-Dichloroethylene	**20.4**	0.50	ug/L	20		102	70-130	1.03	30	
1,2-Dichloropropane	**23.8**	0.50	ug/L	20		119	70-130	7.49	30	
2,2-Dichloropropane	**23.9**	0.50	ug/L	20		120	70-130	1.25	30	
1,3-Dichloropropane	**19.3**	0.50	ug/L	20		96.6	70-130	1.99	30	
cis-1,3-Dichloropropylene	**20.3**	0.50	ug/L	20		102	70-130	2.69	30	
trans-1,3-Dichloropropylene	**20.3**	0.50	ug/L	20		101	70-130	1.79	30	
1,1-Dichloropropylene	**21.9**	0.50	ug/L	20		110	70-130	7.48	30	
Diisopropyl ether (DIPE)	**23.4**	2.0	ug/L	20		117	70-130	5.00	30	
Ethylbenzene	**20.4**	0.50	ug/L	20		102	70-130	1.73	30	
Ethyl-tert-Butyl Ether (ETBE)	**21.6**	2.0	ug/L	20		108	70-130	3.91	30	
Gasoline Range Organics (GRO)	**446**	100	ug/L	500		89.2	70-130	10.6	30	
Hexachlorobutadiene	**19.8**	1.0	ug/L	20		99.0	70-130	5.50	30	
2-Hexanone (MBK)	**56.2**	10	ug/L	50		112	70-130	4.54	30	
Isopropylbenzene	**22.2**	0.50	ug/L	20		111	70-130	3.06	30	
4-Isopropyltoluene	**22.3**	1.0	ug/L	20		112	70-130	0.539	30	
Methyl-tert-Butyl Ether (MTBE)	**43.6**	1.0	ug/L	40		109	70-130	5.59	30	
Methylene Chloride	**27.2**	5.0	ug/L	20	11.7	77.7	70-130	4.12	30	
4-Methyl-2-pentanone (MIBK)	**53.0**	10	ug/L	50		106	70-130	3.04	30	

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331957
Date Received: 10/12/16
Date Reported: 10/21/16

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										
Batch B6J1723 - EPA 5030B										
Matrix Spike Dup (B6J1723-MSD1) Continued	**Source: 6J10010-02**			Prepared & Analyzed: 10/17/16						
Naphthalene	**25.7**	2.0	ug/L	20		129	70-130	4.05	30	
n-Propylbenzene	**22.2**	0.50	ug/L	20		111	70-130	3.02	30	
Styrene	**18.8**	0.50	ug/L	20		94.2	70-130	0.746	30	
1,1,1,2-Tetrachloroethane	**18.5**	0.50	ug/L	20		92.5	70-130	0.869	30	
1,1,2,2-Tetrachloroethane	**21.3**	0.50	ug/L	20		106	70-130	0.801	30	
Tetrachloroethylene (PCE)	**18.3**	0.50	ug/L	20		91.3	70-130	6.33	30	
Toluene	**20.1**	0.50	ug/L	20		100	70-130	4.79	30	
1,2,3-Trichlorobenzene	**20.8**	0.50	ug/L	20		104	70-130	4.23	30	
1,2,4-Trichlorobenzene	**20.0**	0.50	ug/L	20		100	70-130	4.70	30	
1,1,1-Trichloroethane	**23.8**	0.50	ug/L	20		119	70-130	6.33	30	
1,1,2-Trichloroethane	**20.7**	0.50	ug/L	20		103	70-130	5.67	30	
Trichloroethylene (TCE)	**20.8**	0.50	ug/L	20		104	70-130	3.33	30	
Trichlorofluoromethane (R11)	**24.6**	0.50	ug/L	20		123	70-130	3.89	30	
1,2,3-Trichloropropane	**19.9**	0.50	ug/L	20		99.6	70-130	4.56	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**23.7**	0.50	ug/L	20		119	70-130	1.34	30	
1,3,5-Trimethylbenzene	**21.8**	0.50	ug/L	20		109	70-130	0.413	30	
1,2,4-Trimethylbenzene	**22.7**	0.50	ug/L	20		114	70-130	1.77	30	
Vinyl chloride	**23.7**	0.50	ug/L	20		119	70-130	4.48	30	
o-Xylene	**20.3**	0.50	ug/L	20		101	70-130	1.54	30	
m,p-Xylenes	**38.6**	1.0	ug/L	40		96.5	70-130	0.284	30	
Surrogate: 4-Bromofluorobenzene	*55.4*		*ug/L*	*50*		*111*	*70-140*			
Surrogate: Dibromofluoromethane	*52.8*		*ug/L*	*50*		*106*	*70-140*			
Surrogate: Toluene-d8	*48.8*		*ug/L*	*50*		*97.6*	*70-140*			
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1827 - EPA 5030B										
Blank (B6J1827-BLK1)				Prepared & Analyzed: 10/18/16						
Acetone	<10	10	ug/L							
tert-Amyl Methyl Ether (TAME)	<2.0	2.0	ug/L							
Benzene	<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: A5331957
Date Received: 10/12/16
Date Reported: 10/21/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1827 - EPA 5030B										
Blank (B6J1827-BLK1) Continued				Prepared & Analyzed: 10/18/16						
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							
cis-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: A5331957
Date Received: 10/12/16
Date Reported: 10/21/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1827 - EPA 5030B										
Blank (B6J1827-BLK1) Continued				Prepared & Analyzed: 10/18/16						
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)	<1.0	1.0	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							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331957
Date Received: 10/12/16
Date Reported: 10/21/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1827 - EPA 5030B										
Blank (B6J1827-BLK1) Continued				Prepared & Analyzed: 10/18/16						
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							
Surrogate: 4-Bromofluorobenzene	*55.8*		*ug/L*	*50*		*112*	*70-140*			
Surrogate: Dibromofluoromethane	*65.4*		*ug/L*	*50*		*131*	*70-140*			
Surrogate: Toluene-d8	*49.6*		*ug/L*	*50*		*99.1*	*70-140*			
LCS (B6J1827-BS1)				Prepared & Analyzed: 10/18/16						
Acetone	**54.5**	10	ug/L	50		109	70-130			
tert-Amyl Methyl Ether (TAME)	**17.3**	2.0	ug/L	20		86.6	70-130			
Benzene	**21.6**	0.50	ug/L	20		108	75-125			
Bromobenzene	**18.8**	0.50	ug/L	20		94.0	70-130			
Bromochloromethane	**19.8**	0.50	ug/L	20		99.0	70-130			
Bromodichloromethane	**22.2**	0.50	ug/L	20		111	75-125			
Bromoform	**16.4**	0.50	ug/L	20		82.2	75-125			
Bromomethane	**19.2**	0.50	ug/L	20		95.8	75-125			
2-Butanone (MEK)	**46.7**	10	ug/L	50		93.4	70-130			
tert-Butyl alcohol (TBA)	**113**	10	ug/L	100		113	70-130			
sec-Butylbenzene	**21.7**	0.50	ug/L	20		108	70-130			
tert-Butylbenzene	**22.5**	0.50	ug/L	20		112	70-130			
n-Butylbenzene	**23.0**	0.50	ug/L	20		115	70-130			
Carbon Disulfide	**41.2**	0.50	ug/L	50		82.4	70-130			
Carbon Tetrachloride	**23.0**	0.50	ug/L	20		115	75-125			
Chlorobenzene	**19.4**	0.50	ug/L	20		97.1	75-125			
Chloroethane	**22.5**	0.50	ug/L	20		112	75-125			
Chloroform	**22.4**	0.50	ug/L	20		112	75-125			
Chloromethane	**21.6**	0.50	ug/L	20		108	65-125			
2-Chlorotoluene	**22.4**	0.50	ug/L	20		112	70-130			
4-Chlorotoluene	**22.0**	0.50	ug/L	20		110	70-130			
1,2-Dibromo-3-chloropropane	**22.3**	1.0	ug/L	20		112	70-130			

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Operations Manager

LABORATORY ANALYSIS RESULTS

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Project No: 04-NDLA-013
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AA Project No: A5331957
Date Received: 10/12/16
Date Reported: 10/21/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1827 - EPA 5030B										
LCS (B6J1827-BS1) Continued				Prepared & Analyzed: 10/18/16						
Dibromochloromethane	**19.6**	0.50	ug/L	20		98.0	75-125			
1,2-Dibromoethane (EDB)	**18.0**	0.50	ug/L	20		89.9	70-130			
Dibromomethane	**20.6**	0.50	ug/L	20		103	70-130			
1,3-Dichlorobenzene	**20.3**	0.50	ug/L	20		101	70-130			
1,2-Dichlorobenzene	**21.6**	0.50	ug/L	20		108	70-130			
1,4-Dichlorobenzene	**20.0**	0.50	ug/L	20		100	75-125			
Dichlorodifluoromethane (R12)	**20.2**	0.50	ug/L	20		101	70-130			
1,1-Dichloroethane	**23.2**	0.50	ug/L	20		116	70-125			
1,2-Dichloroethane (EDC)	**22.1**	0.50	ug/L	20		110	75-125			
1,1-Dichloroethylene	**22.3**	0.50	ug/L	20		112	70-130			
trans-1,2-Dichloroethylene	**20.4**	0.50	ug/L	20		102	75-125			
cis-1,2-Dichloroethylene	**19.7**	0.50	ug/L	20		98.7	75-125			
1,2-Dichloropropane	**21.7**	0.50	ug/L	20		109	75-130			
2,2-Dichloropropane	**24.0**	0.50	ug/L	20		120	70-130			
1,3-Dichloropropane	**17.6**	0.50	ug/L	20		87.8	70-130			
cis-1,3-Dichloropropylene	**19.0**	0.50	ug/L	20		95.1	75-125			
trans-1,3-Dichloropropylene	**19.6**	0.50	ug/L	20		98.2	70-130			
1,1-Dichloropropylene	**21.4**	0.50	ug/L	20		107	70-130			
Diisopropyl ether (DIPE)	**20.7**	2.0	ug/L	20		104	70-130			
Ethylbenzene	**21.0**	0.50	ug/L	20		105	75-125			
Ethyl-tert-Butyl Ether (ETBE)	**19.3**	2.0	ug/L	20		96.4	70-130			
Hexachlorobutadiene	**19.9**	1.0	ug/L	20		99.3	70-130			
2-Hexanone (MBK)	**44.6**	10	ug/L	50		89.2	70-130			
Isopropylbenzene	**22.2**	0.50	ug/L	20		111	70-130			
4-Isopropyltoluene	**23.0**	1.0	ug/L	20		115	70-130			
Methyl-tert-Butyl Ether (MTBE)	**37.6**	1.0	ug/L	40		94.1	75-125			
Methylene Chloride	**28.3**	5.0	ug/L	20		142	75-130			
4-Methyl-2-pentanone (MIBK)	**42.1**	10	ug/L	50		84.2	70-130			
Naphthalene	**22.4**	2.0	ug/L	20		112	70-130			
n-Propylbenzene	**22.4**	0.50	ug/L	20		112	70-130			
Styrene	**18.8**	0.50	ug/L	20		94.2	70-130			

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331957
Date Received: 10/12/16
Date Reported: 10/21/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1827 - EPA 5030B										
LCS (B6J1827-BS1) Continued				Prepared & Analyzed: 10/18/16						
1,1,1,2-Tetrachloroethane	**18.0**	0.50	ug/L	20		90.0	70-130			
1,1,2,2-Tetrachloroethane	**18.6**	0.50	ug/L	20		92.8	70-135			
Tetrachloroethylene (PCE)	**17.5**	0.50	ug/L	20		87.7	75-125			
Toluene	**20.0**	0.50	ug/L	20		100	75-125			
1,2,3-Trichlorobenzene	**19.2**	0.50	ug/L	20		95.9	70-130			
1,2,4-Trichlorobenzene	**18.7**	0.50	ug/L	20		93.5	70-130			
1,1,1-Trichloroethane	**23.6**	0.50	ug/L	20		118	75-125			
1,1,2-Trichloroethane	**18.3**	0.50	ug/L	20		91.6	75-125			
Trichloroethylene (TCE)	**20.8**	0.50	ug/L	20		104	75-125			
Trichlorofluoromethane (R11)	**24.7**	0.50	ug/L	20		124	70-130			
1,2,3-Trichloropropane	**18.1**	0.50	ug/L	20		90.4	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**23.0**	0.50	ug/L	20		115	70-130			
1,3,5-Trimethylbenzene	**22.5**	0.50	ug/L	20		112	70-130			
1,2,4-Trimethylbenzene	**22.6**	0.50	ug/L	20		113	70-130			
Vinyl chloride	**22.2**	0.50	ug/L	20		111	75-125			
o-Xylene	**20.5**	0.50	ug/L	20		103	75-125			
m,p-Xylenes	**39.4**	1.0	ug/L	40		98.5	70-130			
Surrogate: 4-Bromofluorobenzene	*54.3*		*ug/L*	*50*		*109*	*70-140*			
Surrogate: Dibromofluoromethane	*52.2*		*ug/L*	*50*		*104*	*70-140*			
Surrogate: Toluene-d8	*50.3*		*ug/L*	*50*		*101*	*70-140*			
Matrix Spike (B6J1827-MS1)		**Source: 6J10011-02**		Prepared: 10/18/16 Analyzed: 10/19/16						
Acetone	**60.5**	10	ug/L	50		121	70-130			
tert-Amyl Methyl Ether (TAME)	**21.2**	2.0	ug/L	20		106	70-130			
Benzene	**23.6**	0.50	ug/L	20		118	70-130			
Bromobenzene	**20.1**	0.50	ug/L	20		100	70-130			
Bromochloromethane	**22.5**	0.50	ug/L	20		113	70-130			
Bromodichloromethane	**22.2**	0.50	ug/L	20		111	70-130			
Bromoform	**18.2**	0.50	ug/L	20		91.2	70-130			
Bromomethane	**17.4**	0.50	ug/L	20		87.2	70-130			
2-Butanone (MEK)	**57.4**	10	ug/L	50		115	70-130			

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331957
Date Received: 10/12/16
Date Reported: 10/21/16

VOCs & OXYGENATES by GC/MS - Quality Control

Batch B6J1827 - EPA 5030B

Matrix Spike (B6J1827-MS1) Continued Source: 6J10011-02 Prepared: 10/18/16 Analyzed: 10/19/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
tert-Butyl alcohol (TBA)	**120**	10	ug/L	100		120	70-130			
sec-Butylbenzene	**20.2**	0.50	ug/L	20		101	70-130			
tert-Butylbenzene	**21.6**	0.50	ug/L	20	0.460	106	70-130			
n-Butylbenzene	**20.5**	0.50	ug/L	20		103	70-130			
Carbon Disulfide	**42.5**	0.50	ug/L	50		84.9	70-130			
Carbon Tetrachloride	**20.6**	0.50	ug/L	20		103	70-130			
Chlorobenzene	**19.6**	0.50	ug/L	20		97.8	70-130			
Chloroethane	**22.8**	0.50	ug/L	20		114	70-130			
Chloroform	**21.6**	0.50	ug/L	20		108	70-130			
Chloromethane	**18.2**	0.50	ug/L	20		91.2	70-130			
2-Chlorotoluene	**21.4**	0.50	ug/L	20		107	70-130			
4-Chlorotoluene	**20.6**	0.50	ug/L	20		103	70-130			
1,2-Dibromo-3-chloropropane	**24.5**	1.0	ug/L	20		122	70-130			
Dibromochloromethane	**20.9**	0.50	ug/L	20		104	70-130			
1,2-Dibromoethane (EDB)	**20.1**	0.50	ug/L	20		101	70-130			
Dibromomethane	**22.9**	0.50	ug/L	20		115	70-130			
1,3-Dichlorobenzene	**20.8**	0.50	ug/L	20		104	70-130			
1,2-Dichlorobenzene	**22.3**	0.50	ug/L	20		112	70-130			
1,4-Dichlorobenzene	**20.2**	0.50	ug/L	20		101	70-130			
Dichlorodifluoromethane (R12)	**16.1**	0.50	ug/L	20		80.4	70-130			
1,1-Dichloroethane	**22.9**	0.50	ug/L	20		115	70-130			
1,2-Dichloroethane (EDC)	**22.2**	0.50	ug/L	20		111	70-130			
1,1-Dichloroethylene	**23.2**	0.50	ug/L	20		116	70-130			
trans-1,2-Dichloroethylene	**20.0**	0.50	ug/L	20		99.8	70-130			
cis-1,2-Dichloroethylene	**19.8**	0.50	ug/L	20		98.8	70-130			
1,2-Dichloropropane	**24.5**	0.50	ug/L	20		123	70-130			
2,2-Dichloropropane	**19.9**	0.50	ug/L	20		99.4	70-130			
1,3-Dichloropropane	**20.6**	0.50	ug/L	20		103	70-130			
cis-1,3-Dichloropropylene	**20.5**	0.50	ug/L	20		102	70-130			
trans-1,3-Dichloropropylene	**20.0**	0.50	ug/L	20		100	70-130			
1,1-Dichloropropylene	**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: A5331957
Date Received: 10/12/16
Date Reported: 10/21/16

VOCs & OXYGENATES by GC/MS - Quality Control

Batch B6J1827 - EPA 5030B

Matrix Spike (B6J1827-MS1) Continued Source: 6J10011-02 Prepared: 10/18/16 Analyzed: 10/19/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Diisopropyl ether (DIPE)	**24.5**	2.0	ug/L	20		122	70-130			
Ethylbenzene	**19.6**	0.50	ug/L	20		98.2	70-130			
Ethyl-tert-Butyl Ether (ETBE)	**22.9**	2.0	ug/L	20		114	70-130			
Hexachlorobutadiene	**18.0**	1.0	ug/L	20		90.2	70-130			
2-Hexanone (MBK)	**59.6**	10	ug/L	50		119	70-130			
Isopropylbenzene	**21.0**	0.50	ug/L	20		105	70-130			
4-Isopropyltoluene	**21.4**	1.0	ug/L	20		107	70-130			
Methyl-tert-Butyl Ether (MTBE)	**46.8**	1.0	ug/L	40		117	70-130			
Methylene Chloride	**24.8**	5.0	ug/L	20		124	70-130			
4-Methyl-2-pentanone (MIBK)	**58.1**	10	ug/L	50		116	70-130			
Naphthalene	**25.7**	2.0	ug/L	20		129	70-130			
n-Propylbenzene	**20.7**	0.50	ug/L	20		104	70-130			
Styrene	**18.5**	0.50	ug/L	20		92.5	70-130			
1,1,1,2-Tetrachloroethane	**18.7**	0.50	ug/L	20		93.5	70-130			
1,1,2,2-Tetrachloroethane	**21.7**	0.50	ug/L	20		108	70-130			
Tetrachloroethylene (PCE)	**18.4**	0.50	ug/L	20		92.1	70-130			
Toluene	**19.5**	0.50	ug/L	20		97.6	70-130			
1,2,3-Trichlorobenzene	**20.0**	0.50	ug/L	20		100	70-130			
1,2,4-Trichlorobenzene	**18.9**	0.50	ug/L	20		94.4	70-130			
1,1,1-Trichloroethane	**21.5**	0.50	ug/L	20		108	70-130			
1,1,2-Trichloroethane	**21.2**	0.50	ug/L	20		106	70-130			
Trichloroethylene (TCE)	**20.5**	0.50	ug/L	20		103	70-130			
Trichlorofluoromethane (R11)	**20.5**	0.50	ug/L	20		103	70-130			
1,2,3-Trichloropropane	**21.2**	0.50	ug/L	20		106	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**23.3**	0.50	ug/L	20		117	70-130			
1,3,5-Trimethylbenzene	**21.0**	0.50	ug/L	20		105	70-130			
1,2,4-Trimethylbenzene	**21.7**	0.50	ug/L	20		108	70-130			
Vinyl chloride	**19.8**	0.50	ug/L	20		98.8	70-130			
o-Xylene	**19.3**	0.50	ug/L	20		96.4	70-130			
m,p-Xylenes	**38.7**	1.0	ug/L	40		96.8	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: A5331957
Date Received: 10/12/16
Date Reported: 10/21/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1827 - EPA 5030B										
Matrix Spike (B6J1827-MS1) Continued	**Source: 6J10011-02**		Prepared: 10/18/16		Analyzed: 10/19/16					
Surrogate: 4-Bromofluorobenzene	*53.6*		*ug/L*	*50*		*107*	*70-140*			
Surrogate: Dibromofluoromethane	*52.2*		*ug/L*	*50*		*104*	*70-140*			
Surrogate: Toluene-d8	*49.3*		*ug/L*	*50*		*98.7*	*70-140*			
Matrix Spike Dup (B6J1827-MSD1)	**Source: 6J10011-02**		Prepared: 10/18/16		Analyzed: 10/19/16					
Acetone	**54.7**	10	ug/L	50		109	70-130	10.1	30	
tert-Amyl Methyl Ether (TAME)	**19.6**	2.0	ug/L	20		98.0	70-130	8.08	30	
Benzene	**22.7**	0.50	ug/L	20		114	70-130	3.84	30	
Bromobenzene	**20.8**	0.50	ug/L	20		104	70-130	3.66	30	
Bromochloromethane	**21.2**	0.50	ug/L	20		106	70-130	5.76	30	
Bromodichloromethane	**21.6**	0.50	ug/L	20		108	70-130	2.60	30	
Bromoform	**16.5**	0.50	ug/L	20		82.6	70-130	9.84	30	
Bromomethane	**19.0**	0.50	ug/L	20		95.0	70-130	8.45	30	
2-Butanone (MEK)	**51.5**	10	ug/L	50		103	70-130	10.8	30	
tert-Butyl alcohol (TBA)	**112**	10	ug/L	100		112	70-130	6.89	30	
sec-Butylbenzene	**21.6**	0.50	ug/L	20		108	70-130	6.85	30	
tert-Butylbenzene	**23.5**	0.50	ug/L	20	0.460	115	70-130	8.38	30	
n-Butylbenzene	**21.8**	0.50	ug/L	20		109	70-130	5.96	30	
Carbon Disulfide	**44.5**	0.50	ug/L	50		89.1	70-130	4.76	30	
Carbon Tetrachloride	**21.2**	0.50	ug/L	20		106	70-130	2.49	30	
Chlorobenzene	**19.7**	0.50	ug/L	20		98.4	70-130	0.662	30	
Chloroethane	**23.9**	0.50	ug/L	20		119	70-130	4.63	30	
Chloroform	**21.6**	0.50	ug/L	20		108	70-130	0.139	30	
Chloromethane	**19.3**	0.50	ug/L	20		96.5	70-130	5.70	30	
2-Chlorotoluene	**22.1**	0.50	ug/L	20		110	70-130	3.13	30	
4-Chlorotoluene	**21.9**	0.50	ug/L	20		110	70-130	6.21	30	
1,2-Dibromo-3-chloropropane	**23.0**	1.0	ug/L	20		115	70-130	6.06	30	
Dibromochloromethane	**20.1**	0.50	ug/L	20		101	70-130	3.56	30	
1,2-Dibromoethane (EDB)	**18.9**	0.50	ug/L	20		94.5	70-130	6.30	30	
Dibromomethane	**19.9**	0.50	ug/L	20		99.5	70-130	14.2	30	
1,3-Dichlorobenzene	**21.1**	0.50	ug/L	20		106	70-130	1.38	30	
1,2-Dichlorobenzene	**22.4**	0.50	ug/L	20		112	70-130	0.492	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: A5331957
Date Received: 10/12/16
Date Reported: 10/21/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1827 - EPA 5030B										
Matrix Spike Dup (B6J1827-MSD1) Continued	**Source: 6J10011-02** Prepared: 10/18/16 Analyzed: 10/19/16									
1,4-Dichlorobenzene	**20.7**	0.50	ug/L	20		104	70-130	2.74	30	
Dichlorodifluoromethane (R12)	**16.4**	0.50	ug/L	20		82.0	70-130	1.97	30	
1,1-Dichloroethane	**22.5**	0.50	ug/L	20		113	70-130	1.63	30	
1,2-Dichloroethane (EDC)	**20.9**	0.50	ug/L	20		104	70-130	6.27	30	
1,1-Dichloroethylene	**23.9**	0.50	ug/L	20		119	70-130	2.76	30	
trans-1,2-Dichloroethylene	**21.0**	0.50	ug/L	20		105	70-130	4.89	30	
cis-1,2-Dichloroethylene	**20.2**	0.50	ug/L	20		101	70-130	2.40	30	
1,2-Dichloropropane	**23.1**	0.50	ug/L	20		116	70-130	6.00	30	
2,2-Dichloropropane	**20.7**	0.50	ug/L	20		103	70-130	3.80	30	
1,3-Dichloropropane	**19.3**	0.50	ug/L	20		96.3	70-130	6.72	30	
cis-1,3-Dichloropropylene	**18.8**	0.50	ug/L	20		93.8	70-130	8.76	30	
trans-1,3-Dichloropropylene	**19.2**	0.50	ug/L	20		96.2	70-130	3.98	30	
1,1-Dichloropropylene	**21.0**	0.50	ug/L	20		105	70-130	1.10	30	
Diisopropyl ether (DIPE)	**23.1**	2.0	ug/L	20		115	70-130	5.80	30	
Ethylbenzene	**20.7**	0.50	ug/L	20		103	70-130	5.16	30	
Ethyl-tert-Butyl Ether (ETBE)	**21.6**	2.0	ug/L	20		108	70-130	5.76	30	
Hexachlorobutadiene	**19.8**	1.0	ug/L	20		98.9	70-130	9.26	30	
2-Hexanone (MBK)	**52.8**	10	ug/L	50		106	70-130	12.1	30	
Isopropylbenzene	**22.7**	0.50	ug/L	20		114	70-130	7.81	30	
4-Isopropyltoluene	**22.7**	1.0	ug/L	20		114	70-130	5.80	30	
Methyl-tert-Butyl Ether (MTBE)	**42.4**	1.0	ug/L	40		106	70-130	9.83	30	
Methylene Chloride	**24.4**	5.0	ug/L	20		122	70-130	1.79	30	
4-Methyl-2-pentanone (MIBK)	**49.0**	10	ug/L	50		98.1	70-130	16.9	30	
Naphthalene	**24.7**	2.0	ug/L	20		124	70-130	3.96	30	
n-Propylbenzene	**22.2**	0.50	ug/L	20		111	70-130	6.62	30	
Styrene	**18.9**	0.50	ug/L	20		94.4	70-130	2.03	30	
1,1,1,2-Tetrachloroethane	**19.1**	0.50	ug/L	20		95.3	70-130	1.91	30	
1,1,2,2-Tetrachloroethane	**19.5**	0.50	ug/L	20		97.6	70-130	10.4	30	
Tetrachloroethylene (PCE)	**19.2**	0.50	ug/L	20		96.2	70-130	4.35	30	
Toluene	**20.3**	0.50	ug/L	20		101	70-130	3.87	30	
1,2,3-Trichlorobenzene	**19.8**	0.50	ug/L	20		98.8	70-130	1.21	30	

Viorel Vasile
Operations Manager

AMERICAN ® ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH) **AA Project No:** A5331957
Project No: 04-NDLA-013 **Date Received:** 10/12/16
Project Name: DFSP Norwalk GW Sampling **Date Reported:** 10/21/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs & OXYGENATES by GC/MS - Quality Control										
Batch B6J1827 - EPA 5030B										
Matrix Spike Dup (B6J1827-MSD1) Continued		**Source: 6J10011-02**		Prepared: 10/18/16 Analyzed: 10/19/16						
1,2,4-Trichlorobenzene	**19.6**	0.50	ug/L	20		98.2	70-130	3.95	30	
1,1,1-Trichloroethane	**21.8**	0.50	ug/L	20		109	70-130	1.43	30	
1,1,2-Trichloroethane	**19.8**	0.50	ug/L	20		99.2	70-130	6.44	30	
Trichloroethylene (TCE)	**20.2**	0.50	ug/L	20		101	70-130	1.37	30	
Trichlorofluoromethane (R11)	**20.8**	0.50	ug/L	20		104	70-130	1.50	30	
1,2,3-Trichloropropane	**18.7**	0.50	ug/L	20		93.3	70-130	12.5	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**23.4**	0.50	ug/L	20		117	70-130	0.257	30	
1,3,5-Trimethylbenzene	**22.3**	0.50	ug/L	20		112	70-130	6.14	30	
1,2,4-Trimethylbenzene	**22.4**	0.50	ug/L	20		112	70-130	3.27	30	
Vinyl chloride	**21.3**	0.50	ug/L	20		106	70-130	7.50	30	
o-Xylene	**19.7**	0.50	ug/L	20		98.6	70-130	2.26	30	
m,p-Xylenes	**39.8**	1.0	ug/L	40		99.6	70-130	2.83	30	
Surrogate: 4-Bromofluorobenzene	*52.4*		*ug/L*	*50*		*105*	*70-140*			
Surrogate: Dibromofluoromethane	*50.3*		*ug/L*	*50*		*101*	*70-140*			
Surrogate: Toluene-d8	*49.6*		*ug/L*	*50*		*99.3*	*70-140*			
Diesel Range Organics by GC/FID - Quality Control										
Batch B6J1720 - EPA 3510C										
Blank (B6J1720-BLK1)				Prepared & Analyzed: 10/17/16						
Diesel Range Organics as Diesel	<0.10	0.10	mg/L							
Surrogate: o-Terphenyl	*0.0510*		*mg/L*	*0.040*		*128*	*50-150*			
LCS (B6J1720-BS1)				Prepared & Analyzed: 10/17/16						
Diesel Range Organics as Diesel	**0.748**	0.10	mg/L	0.80		93.6	75-125			
Surrogate: o-Terphenyl	*0.0529*		*mg/L*	*0.040*		*132*	*50-150*			
LCS Dup (B6J1720-BSD1)				Prepared & Analyzed: 10/17/16						
Diesel Range Organics as Diesel	**0.757**	0.10	mg/L	0.80		94.6	75-125	1.13	30	
Surrogate: o-Terphenyl	*0.0532*		*mg/L*	*0.040*		*133*	*50-150*			
Gasoline Range Organics by GC/FID - Quality Control										

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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: A5331957
Date Received: 10/12/16
Date Reported: 10/21/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Gasoline Range Organics by GC/FID - Quality Control										
Batch B6J1415 - EPA 5030B										
Blank (B6J1415-BLK1)				Prepared & Analyzed: 10/14/16						
Gasoline Range Organics (GRO)	<100	100	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*45.6*		*ug/L*	*50*		*91.3*	*80-120*			
LCS (B6J1415-BS1)				Prepared: 10/14/16 Analyzed: 10/17/16						
Gasoline Range Organics (GRO)	**421**	100	ug/L	500		84.2	75-125			
Surrogate: a,a,a-Trifluorotoluene	*47.2*		*ug/L*	*50*		*94.4*	*80-120*			
LCS Dup (B6J1415-BSD1)				Prepared: 10/14/16 Analyzed: 10/17/16						
Gasoline Range Organics (GRO)	**422**	100	ug/L	500		84.5	75-125	0.331	30	
Surrogate: a,a,a-Trifluorotoluene	*47.1*		*ug/L*	*50*		*94.2*	*80-120*			
Matrix Spike (B6J1415-MS1)		**Source: 6J12011-08**		Prepared & Analyzed: 10/14/16						
Gasoline Range Organics (GRO)	**428**	100	ug/L	500	45.0	76.6	70-130			
Surrogate: a,a,a-Trifluorotoluene	*46.7*		*ug/L*	*50*		*93.4*	*80-120*			
Matrix Spike Dup (B6J1415-MSD1)		**Source: 6J12011-08**		Prepared & Analyzed: 10/14/16						
Gasoline Range Organics (GRO)	**443**	100	ug/L	500	45.0	79.6	70-130	3.43	30	
Surrogate: a,a,a-Trifluorotoluene	*46.0*		*ug/L*	*50*		*91.9*	*80-120*			

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Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331957
Project No:	04-NDLA-013	**Date Received:**	10/12/16
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	10/21/16

Special Notes

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.: 125922
70047090
Page 1 of

Client: APEX - SGI	Project Name / No.: DFSP ~~[illegible]~~ Norwalk	Sampler's Name: DAVID Webber	
Project Manager: ~~PAUL P.~~ DAN SWENSSON	Site Address: 15306 Norwalk Blvd.	Sampler's Signature: [signature]	
Phone: 1-562-597-1055	City: Norwalk	P.O. No.: —	
Fax: 1-562-597-1070	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)

Please enter the TAT Turnaround Codes ** below

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	8260B	TPH-G 8015	8015M "D"	Special Instructions
QCTB-1	6J12011-01	10-11-16	6:00	GW	2	X			
TF-21	-02	10-11-16	8:30A	GW	6	X	X	X	
GMW-59	-03	10-11-16	9:05A	GW	6	X	X	X	
GMW-48	-04	10-11-16	9:45	GW	5	X	X	X	
DUP-8	-05	10-11-16	xxxx	GW	5	X	X	X	
GMW-7	-06	10-11-16	10:20	GW	5	X	X	X	
GW-7	-07	10-11-16	10:55	GW	5	X	X	X	
TF-24	-08	10-11-16	11:30	GW	5	X	X	X	
GW-15	-09	10-11-16	12:05	GW	5	X	X	X	
QCEB-1	-10	10-11-16	12:20	GW	2	X			

For Laboratory Use
REVIEWED
Date 10/12/16 Time 1700
TAT N Days Sign: [signature]

A.A. Project No.: A5331957/6J12011

Relinquished by	Date	Time	Received by
[signature]	10/12/16	12:45	[signature]
	10/12/16	1645	[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.

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135
Date Received : 10/05/16

Job: KMEP DFSP Norwalk

Total Petroleum Hydrocarbons - Extractable (TPH-E) EPA Method SW8015B
Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B / SW8260B

		Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID :	**EB-1**					
Lab ID :	CHH16100501-02A	TPH-E (DRO)	ND	0.050 mg/L	10/06/16 12:21	10/06/16 18:52
Date Sampled	10/04/16 15:15	Surr: Nonane	90	(53-145) %REC	10/06/16 12:21	10/06/16 18:52
		TPH-P (GRO)	ND	0.050 mg/L	10/11/16 14:12	10/11/16 14:12
		Surr: 1,2-Dichloroethane-d4	108	(70-130) %REC	10/11/16 14:12	10/11/16 14:12
		Surr: Toluene-d8	97	(70-130) %REC	10/11/16 14:12	10/11/16 14:12
		Surr: 4-Bromofluorobenzene	107	(70-130) %REC	10/11/16 14:12	10/11/16 14:12
Client ID :	**EXP-5**					
Lab ID :	CHH16100501-03A	TPH-E (DRO)	ND	0.050 mg/L	10/06/16 12:21	10/06/16 20:12
Date Sampled	10/04/16 09:05	Surr: Nonane	89	(53-145) %REC	10/06/16 12:21	10/06/16 20:12
		TPH-P (GRO)	ND	0.050 mg/L	10/11/16 14:36	10/11/16 14:36
		Surr: 1,2-Dichloroethane-d4	108	(70-130) %REC	10/11/16 14:36	10/11/16 14:36
		Surr: Toluene-d8	98	(70-130) %REC	10/11/16 14:36	10/11/16 14:36
		Surr: 4-Bromofluorobenzene	109	(70-130) %REC	10/11/16 14:36	10/11/16 14:36
Client ID :	**EXP-4**					
Lab ID :	CHH16100501-04A	TPH-E (DRO)	ND	0.050 mg/L	10/06/16 12:21	10/06/16 20:38
Date Sampled	10/04/16 09:53	Surr: Nonane	85	(53-145) %REC	10/06/16 12:21	10/06/16 20:38
		TPH-P (GRO)	ND	0.050 mg/L	10/11/16 14:59	10/11/16 14:59
		Surr: 1,2-Dichloroethane-d4	109	(70-130) %REC	10/11/16 14:59	10/11/16 14:59
		Surr: Toluene-d8	98	(70-130) %REC	10/11/16 14:59	10/11/16 14:59
		Surr: 4-Bromofluorobenzene	108	(70-130) %REC	10/11/16 14:59	10/11/16 14:59
Client ID :	**WCW-2**					
Lab ID :	CHH16100501-05A	TPH-E (DRO)	ND	0.050 mg/L	10/06/16 12:21	10/06/16 21:05
Date Sampled	10/04/16 10:37	Surr: Nonane	87	(53-145) %REC	10/06/16 12:21	10/06/16 21:05
		TPH-P (GRO)	ND	0.050 mg/L	10/11/16 15:23	10/11/16 15:23
		Surr: 1,2-Dichloroethane-d4	108	(70-130) %REC	10/11/16 15:23	10/11/16 15:23
		Surr: Toluene-d8	98	(70-130) %REC	10/11/16 15:23	10/11/16 15:23
		Surr: 4-Bromofluorobenzene	110	(70-130) %REC	10/11/16 15:23	10/11/16 15:23
Client ID :	**WCW-4**					
Lab ID :	CHH16100501-06A	TPH-E (DRO)	ND	0.050 mg/L	10/06/16 12:21	10/06/16 21:31
Date Sampled	10/04/16 12:07	Surr: Nonane	84	(53-145) %REC	10/06/16 12:21	10/06/16 21:31
		TPH-P (GRO)	ND	0.050 mg/L	10/11/16 15:46	10/11/16 15:46
		Surr: 1,2-Dichloroethane-d4	110	(70-130) %REC	10/11/16 15:46	10/11/16 15:46
		Surr: Toluene-d8	98	(70-130) %REC	10/11/16 15:46	10/11/16 15:46
		Surr: 4-Bromofluorobenzene	111	(70-130) %REC	10/11/16 15:46	10/11/16 15:46
Client ID :	**WCW-3**					
Lab ID :	CHH16100501-07A	TPH-E (DRO)	ND	0.050 mg/L	10/06/16 12:21	10/06/16 21:58
Date Sampled	10/04/16 11:25	Surr: Nonane	87	(53-145) %REC	10/06/16 12:21	10/06/16 21:58
		TPH-P (GRO)	ND	0.050 mg/L	10/11/16 16:10	10/11/16 16:10
		Surr: 1,2-Dichloroethane-d4	108	(70-130) %REC	10/11/16 16:10	10/11/16 16:10
		Surr: Toluene-d8	98	(70-130) %REC	10/11/16 16:10	10/11/16 16:10
		Surr: 4-Bromofluorobenzene	114	(70-130) %REC	10/11/16 16:10	10/11/16 16:10

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Client ID :	**WCW-14**					
Lab ID :	CHH16100501-08A	TPH-E (DRO)	ND	0.050 mg/L	10/06/16 12:21	10/06/16 22:24
Date Sampled	10/04/16 13:37	Surr: Nonane	81	(53-145) %REC	10/06/16 12:21	10/06/16 22:24
		TPH-P (GRO)	ND	0.050 mg/L	10/11/16 16:34	10/11/16 16:34
		Surr: 1,2-Dichloroethane-d4	110	(70-130) %REC	10/11/16 16:34	10/11/16 16:34
		Surr: Toluene-d8	98	(70-130) %REC	10/11/16 16:34	10/11/16 16:34
		Surr: 4-Bromofluorobenzene	111	(70-130) %REC	10/11/16 16:34	10/11/16 16:34
Client ID :	**WCW-8**					
Lab ID :	CHH16100501-09A	TPH-E (DRO)	ND	0.050 mg/L	10/06/16 12:21	10/06/16 22:51
Date Sampled	10/04/16 12:50	Surr: Nonane	89	(53-145) %REC	10/06/16 12:21	10/06/16 22:51
		TPH-P (GRO)	ND	0.050 mg/L	10/11/16 16:57	10/11/16 16:57
		Surr: 1,2-Dichloroethane-d4	108	(70-130) %REC	10/11/16 16:57	10/11/16 16:57
		Surr: Toluene-d8	98	(70-130) %REC	10/11/16 16:57	10/11/16 16:57
		Surr: 4-Bromofluorobenzene	117	(70-130) %REC	10/11/16 16:57	10/11/16 16:57
Client ID :	**WCW-13**					
Lab ID :	CHH16100501-10A	TPH-E (DRO)	ND	0.050 mg/L	10/06/16 12:21	10/06/16 23:18
Date Sampled	10/04/16 14:07	Surr: Nonane	91	(53-145) %REC	10/06/16 12:21	10/06/16 23:18
		TPH-P (GRO)	ND	0.050 mg/L	10/11/16 17:21	10/11/16 17:21
		Surr: 1,2-Dichloroethane-d4	108	(70-130) %REC	10/11/16 17:21	10/11/16 17:21
		Surr: Toluene-d8	98	(70-130) %REC	10/11/16 17:21	10/11/16 17:21
		Surr: 4-Bromofluorobenzene	114	(70-130) %REC	10/11/16 17:21	10/11/16 17:21
Client ID :	**WCW-12**					
Lab ID :	CHH16100501-11A	TPH-E (DRO)	ND	0.050 mg/L	10/06/16 12:21	10/06/16 23:44
Date Sampled	10/04/16 14:57	Surr: Nonane	92	(53-145) %REC	10/06/16 12:21	10/06/16 23:44
		TPH-P (GRO)	ND	0.050 mg/L	10/11/16 17:45	10/11/16 17:45
		Surr: 1,2-Dichloroethane-d4	109	(70-130) %REC	10/11/16 17:45	10/11/16 17:45
		Surr: Toluene-d8	97	(70-130) %REC	10/11/16 17:45	10/11/16 17:45
		Surr: 4-Bromofluorobenzene	113	(70-130) %REC	10/11/16 17:45	10/11/16 17:45
Client ID :	**EXP-3**					
Lab ID :	CHH16100501-12A	TPH-E (DRO)	ND	0.050 mg/L	10/06/16 12:21	10/07/16 01:30
Date Sampled	10/04/16 09:00	Surr: Nonane	88	(53-145) %REC	10/06/16 12:21	10/07/16 01:30
		TPH-P (GRO)	ND	0.050 mg/L	10/11/16 18:08	10/11/16 18:08
		Surr: 1,2-Dichloroethane-d4	111	(70-130) %REC	10/11/16 18:08	10/11/16 18:08
		Surr: Toluene-d8	98	(70-130) %REC	10/11/16 18:08	10/11/16 18:08
		Surr: 4-Bromofluorobenzene	114	(70-130) %REC	10/11/16 18:08	10/11/16 18:08
Client ID :	**EXP-2**					
Lab ID :	CHH16100501-13A	TPH-E (DRO)	ND	0.050 mg/L	10/06/16 12:21	10/07/16 01:57
Date Sampled	10/04/16 12:50	Surr: Nonane	92	(53-145) %REC	10/06/16 12:21	10/07/16 01:57
		TPH-P (GRO)	ND	0.050 mg/L	10/11/16 18:32	10/11/16 18:32
		Surr: 1,2-Dichloroethane-d4	115	(70-130) %REC	10/11/16 18:32	10/11/16 18:32
		Surr: Toluene-d8	97	(70-130) %REC	10/11/16 18:32	10/11/16 18:32
		Surr: 4-Bromofluorobenzene	108	(70-130) %REC	10/11/16 18:32	10/11/16 18:32

Diesel Range Organics (DRO) C13-C22
Gasoline Range Organics (GRO) C4-C13
ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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10/14/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100501-01A
Client I.D. Number: TB-1

Sampled: 10/04/16 07:00
Received: 10/05/16
Extracted: 10/11/16 13:48
Analyzed: 10/11/16 13:48

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L

	Compound	Concentration	Reporting Limit	
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	109	(70-130)	%REC
73	Surr: Toluene-d8	96	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	105	(70-130)	%REC

ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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10/14/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100501-02A
Client I.D. Number: EB-1

Sampled: 10/04/16 15:15
Received: 10/05/16
Extracted: 10/11/16 14:12
Analyzed: 10/11/16 14:12

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L

	Compound	Concentration	Reporting Limit	
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	108	(70-130)	%REC
73	Surr: Toluene-d8	97	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	107	(70-130)	%REC

ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Statement of Data Authenticity : Alpha Analytical, Inc. attests that the data reported has not been altered an any way.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

ACLASS ACCREDITED DoD ELAP

NELAP ACCREDITED LABORATORY

RG

10/14/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100501-03A
Client I.D. Number: EXP-5

Sampled: 10/04/16 09:05
Received: 10/05/16
Extracted: 10/11/16 14:36
Analyzed: 10/11/16 14:36

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	108	(70-130)	%REC
73	Surr: Toluene-d8	98	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	109	(70-130)	%REC

ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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ACLASS ACCREDITED DoD ELAP

NELAP ACCREDITED LABORATORY

RG

10/14/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100501-04A
Client I.D. Number: EXP-4

Sampled: 10/04/16 09:53
Received: 10/05/16
Extracted: 10/11/16 14:59
Analyzed: 10/11/16 14:59

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L

	Compound	Concentration	Reporting Limit	
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	109	(70-130)	%REC
73	Surr: Toluene-d8	98	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	108	(70-130)	%REC

ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

10/14/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100501-05A
Client I.D. Number: WCW-2

Sampled: 10/04/16 10:37
Received: 10/05/16
Extracted: 10/11/16 15:23
Analyzed: 10/11/16 15:23

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	108	(70-130)	%REC
73	Surr: Toluene-d8	98	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	110	(70-130)	%REC

ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Statement of Data Authenticity : Alpha Analytical, Inc. attests that the data reported has not been altered an any way.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

ACLASS ACCREDITED DoD ELAP

NELAP ACCREDITED LABORATORY

10/14/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100501-06A
Client I.D. Number: WCW-4

Sampled: 10/04/16 12:07
Received: 10/05/16
Extracted: 10/11/16 15:46
Analyzed: 10/11/16 15:46

Volatile Organics by GC/MS
EPA Method 624/8260

#	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	110	(70-130)	%REC
73	Surr: Toluene-d8	98	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	111	(70-130)	%REC

ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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10/14/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100501-07A
Client I.D. Number: WCW-3

Sampled: 10/04/16 11:25
Received: 10/05/16
Extracted: 10/11/16 16:10
Analyzed: 10/11/16 16:10

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	0.74	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	108	(70-130)	%REC
73	Surr: Toluene-d8	98	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	114	(70-130)	%REC

ND = Not Detected

Roger Scholl Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

10/14/16
Report Date

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NELAP ACCREDITED LABORATORY

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100501-08A
Client I.D. Number: WCW-14

Sampled: 10/04/16 13:37
Received: 10/05/16
Extracted: 10/11/16 16:34
Analyzed: 10/11/16 16:34

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	110	(70-130)	%REC
73	Surr: Toluene-d8	98	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	111	(70-130)	%REC

ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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RG

10/14/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100501-09A
Client I.D. Number: WCW-8

Sampled: 10/04/16 12:50
Received: 10/05/16
Extracted: 10/11/16 16:57
Analyzed: 10/11/16 16:57

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	108	(70-130)	%REC
73	Surr: Toluene-d8	98	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	117	(70-130)	%REC

ND = Not Detected

Roger Scholl Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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Report Date

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100501-10A
Client I.D. Number: WCW-13

Sampled: 10/04/16 14:07
Received: 10/05/16
Extracted: 10/11/16 17:21
Analyzed: 10/11/16 17:21

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	108	(70-130)	%REC
73	Surr: Toluene-d8	98	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	114	(70-130)	%REC

ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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10/14/16
Report Date

Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100501-11A
Client I.D. Number: WCW-12

Sampled: 10/04/16 14:57
Received: 10/05/16
Extracted: 10/11/16 17:45
Analyzed: 10/11/16 17:45

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L

	Compound	Concentration	Reporting Limit	
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	109	(70-130)	%REC
73	Surr: Toluene-d8	97	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	113	(70-130)	%REC

ND = Not Detected

Roger Scholl Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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10/14/16
Report Date

Alpha Analytical, Inc.

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ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100501-12A
Client I.D. Number: EXP-3

Sampled: 10/04/16 09:00
Received: 10/05/16
Extracted: 10/11/16 18:08
Analyzed: 10/11/16 18:08

Volatile Organics by GC/MS
EPA Method 624/8260

#	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	111	(70-130)	%REC
73	Surr: Toluene-d8	98	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	114	(70-130)	%REC

ND = Not Detected

Roger Scholl Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

ACLASS ACCREDITED DoD ELAP

RG
10/14/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100501-13A
Client I.D. Number: EXP-2

Sampled: 10/04/16 12:50
Received: 10/05/16
Extracted: 10/11/16 18:32
Analyzed: 10/11/16 18:32

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	115	(70-130)	%REC
73	Surr: Toluene-d8	97	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	108	(70-130)	%REC

ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Statement of Data Authenticity : Alpha Analytical, Inc. attests that the data reported has not been altered an any way.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

NELAP ACCREDITED LABORATORY

10/14/16
Report Date

Alpha Analytical, Inc.
255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

VOC Sample Preservation Report

Work Order: CHH16100501 **Job:** KMEP DFSP Norwalk

Alpha's Sample ID	Client's Sample ID	Matrix	pH
16100501-01A	TB-1	Aqueous	2
16100501-02A	EB-1	Aqueous	2
16100501-03A	EXP-5	Aqueous	2
16100501-04A	EXP-4	Aqueous	2
16100501-05A	WCW-2	Aqueous	2
16100501-06A	WCW-4	Aqueous	2
16100501-07A	WCW-3	Aqueous	2
16100501-08A	WCW-14	Aqueous	2
16100501-09A	WCW-8	Aqueous	2
16100501-10A	WCW-13	Aqueous	2
16100501-11A	WCW-12	Aqueous	2
16100501-12A	EXP-3	Aqueous	2
16100501-13A	EXP-2	Aqueous	2

10/14/16
Report Date

Alpha Analytical, Inc.
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Date: *14-Oct-16*

QC Summary Report

Work Order: 16100501

Method Blank

File ID: 2 | Type MBLK | Test Code: EPA Method SW8015B/C Ext
Batch ID: 37270 | Analysis Date: 10/06/2016 18:26
Sample ID: MBLK-37270 | Units : mg/L | Run ID: MANUAL_161006G | Prep Date: 10/06/2016 12:21

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	ND	0.05								
Surr: Nonane	0.125		0.15		83	35	151			

Laboratory Control Spike

File ID: 1 | Type LCS | Test Code: EPA Method SW8015B/C Ext
Batch ID: 37270 | Analysis Date: 10/06/2016 17:59
Sample ID: LCS-37270 | Units : mg/L | Run ID: MANUAL_161006G | Prep Date: 10/06/2016 12:21

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.87	0.05	2.5		115	73	135			
Surr: Nonane	0.149		0.15		99	35	151			

Sample Matrix Spike

File ID: 4 | Type MS | Test Code: EPA Method SW8015B/C Ext
Batch ID: 37270 | Analysis Date: 10/06/2016 19:19
Sample ID: 16100501-02AMS | Units : mg/L | Run ID: MANUAL_161006G | Prep Date: 10/06/2016 12:21

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.95	0.1	2.5	0	118	64	161			
Surr: Nonane	0.284		0.3		95	33	162			

Sample Matrix Spike Duplicate

File ID: 5 | Type MSD | Test Code: EPA Method SW8015B/C Ext
Batch ID: 37270 | Analysis Date: 10/06/2016 19:46
Sample ID: 16100501-02AMSD | Units : mg/L | Run ID: MANUAL_161006G | Prep Date: 10/06/2016 12:21

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.96	0.1	2.5	0	118	64	161	2.949	0.2(40)	
Surr: Nonane	0.298		0.3		99	33	162			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Oil Range Organics (ORO) C22-C40+
Jet Fuel Range Organics (JFRO) C9-C22. JFRO determination is based on its chromatographic fingerprint.
Diesel Range Organics (DRO) C13-C22

Alpha Analytical, Inc.

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Date: *14-Oct-16*

QC Summary Report

Work Order: 16100501

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B/C / SW8260B**
File ID: **41** Batch ID: **MS15W1011B** Analysis Date: **10/11/2016 11:50**
Sample ID: **MBLK MS15W1011B** Units : **mg/L** Run ID: **MANUAL_161011D** Prep Date: **10/11/2016 11:50**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	0.05								
Surr: 1,2-Dichloroethane-d4	0.0109		0.01		109	70	130			
Surr: Toluene-d8	0.00925		0.01		93	70	130			
Surr: 4-Bromofluorobenzene	0.0106		0.01		106	70	130			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B/C / SW8260B**
File ID: **40** Batch ID: **MS15W1011B** Analysis Date: **10/11/2016 11:03**
Sample ID: **GLCS MS15W1011B** Units : **mg/L** Run ID: **MANUAL_161011D** Prep Date: **10/11/2016 11:03**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	0.393	0.05	0.4		98	70	130			
Surr: 1,2-Dichloroethane-d4	0.0104		0.01		104	70	130			
Surr: Toluene-d8	0.00915		0.01		92	70	130			
Surr: 4-Bromofluorobenzene	0.0123		0.01		123	70	130			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B/C / SW8260B**
File ID: **42** Batch ID: **MS15W1011B** Analysis Date: **10/11/2016 21:17**
Sample ID: **16100501-03AGS** Units : **mg/L** Run ID: **MANUAL_161011D** Prep Date: **10/11/2016 21:17**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.69	0.25	2	0	84	46	167			
Surr: 1,2-Dichloroethane-d4	0.0542		0.05		108	70	130			
Surr: Toluene-d8	0.0483		0.05		97	70	130			
Surr: 4-Bromofluorobenzene	0.0543		0.05		109	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B/C / SW8260B**
File ID: **43** Batch ID: **MS15W1011B** Analysis Date: **10/11/2016 21:41**
Sample ID: **16100501-03AGSD** Units : **mg/L** Run ID: **MANUAL_161011D** Prep Date: **10/11/2016 21:41**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.84	0.25	2	0	92	54	143	1.686	8.5(23)	
Surr: 1,2-Dichloroethane-d4	0.0543		0.05		109	70	130			
Surr: Toluene-d8	0.0489		0.05		98	70	130			
Surr: 4-Bromofluorobenzene	0.0558		0.05		112	70	130			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Gasoline Range Organics (GRO) C4-C13

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *14-Oct-16*

QC Summary Report

Work Order: 16100501

Method Blank Type **MBLK** Test Code: **EPA Method SW8260B**

File ID: **3** Batch ID: **MS15W1011A** Analysis Date: **10/11/2016 11:50**

Sample ID: **MBLK MS15W1011A** Units : **µg/L** Run ID: **MANUAL_161011D** Prep Date: **10/11/2016 11:50**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	ND	1								
Chloromethane	ND	2								
Vinyl chloride	ND	0.5								
Chloroethane	ND	1								
Bromomethane	ND	2								
Trichlorofluoromethane	ND	10								
Acetone	ND	10								
1,1-Dichloroethene	ND	1								
Tertiary Butyl Alcohol (TBA)	ND	10								
Dichloromethane	ND	5								
Freon-113	ND	10								
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	0.5								
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	10								
cis-1,3-Dichloropropene	ND	0.5								
trans-1,3-Dichloropropene	ND	0.5								
1,1,2-Trichloroethane	ND	1								
Toluene	ND	0.5								
1,3-Dichloropropane	ND	1								
2-Hexanone	ND	5								
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								
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	5				
1,2,4-Trichlorobenzene	ND	2				
Naphthalene	ND	10				
1,2,3-Trichlorobenzene	ND	2				
Xylenes, Total	ND	0.5				
Surr: 1,2-Dichloroethane-d4	10.9		10	109	70	130
Surr: Toluene-d8	9.25		10	93	70	130
Surr: 4-Bromofluorobenzene	10.6		10	106	70	130

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Date: 14-Oct-16

QC Summary Report

Work Order: 16100501

Laboratory Control Spike Type **LCS** Test Code: **EPA Method SW8260B**

File ID: **1** Batch ID: **MS15W1011A** Analysis Date: **10/11/2016 10:34**

Sample ID: **LCS MS15W1011A** Units : **µg/L** Run ID: **MANUAL_161011D** Prep Date: **10/11/2016 10:34**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	7.8	1	10		78	32	145			
Chloromethane	11.3	2	10		113	40	145			
Vinyl chloride	10.8	1	10		108	70	130			
Chloroethane	13.5	1	10		135	38	156			
Bromomethane	8.21	2	10		82	13	162			
Trichlorofluoromethane	12.8	1	10		128	46	154			
Acetone	244	10	200		122	22	188			
1,1-Dichloroethene	11.3	1	10		113	70	130			
Tertiary Butyl Alcohol (TBA)	124	10	100		124	48	148			
Dichloromethane	11.9	2	10		119	69	130			
Freon-113	12	1	10		120	70	136			
trans-1,2-Dichloroethene	11.7	1	10		117	70	130			
Methyl tert-butyl ether (MTBE)	13.3	0.5	10		133	63	137			
1,1-Dichloroethane	12.3	1	10		123	70	130			
2-Butanone (MEK)	261	10	200		130	26	183			
Di-isopropyl Ether (DIPE)	14	1	10		140	69	133			L51
cis-1,2-Dichloroethene	12.2	1	10		122	70	130			
Bromochloromethane	12	1	10		120	70	133			
Chloroform	11.5	1	10		115	70	130			
Ethyl Tertiary Butyl Ether (ETBE)	13.6	1	10		136	66	135			L51
2,2-Dichloropropane	13.7	1	10		137	70	149			
1,2-Dichloroethane	12.9	1	10		129	70	133			
1,1,1-Trichloroethane	12.4	1	10		124	70	135			
1,1-Dichloropropene	12.6	1	10		126	70	130			
Carbon tetrachloride	12.5	1	10		125	63	143			
Benzene	11.6	0.5	10		116	70	130			
Tertiary Amyl Methyl Ether (TAME)	13.3	1	10		133	70	133			
Dibromomethane	12.8	1	10		128	70	130			
1,2-Dichloropropane	12.7	1	10		127	70	130			
Trichloroethene	11.6	1	10		116	68	138			
Bromodichloromethane	13	1	10		130	58	147			
4-Methyl-2-pentanone (MIBK)	32.2	2.5	25		129	59	140			
cis-1,3-Dichloropropene	13.4	1	10		134	70	130			L51
trans-1,3-Dichloropropene	11.9	1	10		119	70	131			
1,1,2-Trichloroethane	12.7	1	10		127	70	130			
Toluene	10.9	0.5	10		109	70	130			
1,3-Dichloropropane	11.3	1	10		113	70	130			
2-Hexanone	115	5	100		115	48	157			
Dibromochloromethane	9.77	1	10		98	49	147			
1,2-Dibromoethane (EDB)	22.3	2	20		111	70	131			
Tetrachloroethene	10.3	1	10		103	70	130			
1,1,1,2-Tetrachloroethane	10.8	1	10		108	70	130			
Chlorobenzene	10.8	1	10		108	70	130			
Ethylbenzene	10.3	0.5	10		103	70	130			
m,p-Xylene	10.1	0.5	10		101	65	139			
Bromoform	9.46	1	10		95	60	144			
Styrene	9.8	1	10		98	55	144			
o-Xylene	9.89	0.5	10		99	70	130			
1,1,2,2-Tetrachloroethane	10.3	1	10		103	70	130			
1,2,3-Trichloropropane	21.1	2	20		105	70	130			
Isopropylbenzene	11.8	1	10		118	69	136			
Bromobenzene	11.5	1	10		115	70	130			
n-Propylbenzene	11.9	1	10		119	70	132			
4-Chlorotoluene	11.6	1	10		116	70	132			
2-Chlorotoluene	12	1	10		120	70	130			
1,3,5-Trimethylbenzene	11.9	1	10		119	70	134			
tert-Butylbenzene	11.4	1	10		114	63	139			
1,2,4-Trimethylbenzene	12	1	10		120	70	133			
sec-Butylbenzene	11.6	1	10		116	70	132			
1,3-Dichlorobenzene	11	1	10		110	70	130			
1,4-Dichlorobenzene	10.6	1	10		106	70	130			
4-Isopropyltoluene	11.4	1	10		114	40	161			
1,2-Dichlorobenzene	10.1	1	10		101	70	130			
n-Butylbenzene	11.6	1	10		116	69	134			
1,2-Dibromo-3-chloropropane (DBCP)	33	3	50		66	67	130			L50

Date: *14-Oct-16*

QC Summary Report

Work Order: 16100501

1,2,4-Trichlorobenzene	4.54	2	10	45	62	131	L50
Naphthalene	4.44	2	10	44	39	149	
1,2,3-Trichlorobenzene	3.68	2	10	37	54	135	L50
Xylenes, Total	20	0.5	20	100	70	130	
Surr: 1,2-Dichloroethane-d4	10.9		10	109	70	130	
Surr: Toluene-d8	9.12		10	91	70	130	
Surr: 4-Bromofluorobenzene	11		10	110	70	130	

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *14-Oct-16*

QC Summary Report

Work Order: 16100501

Sample Matrix Spike Type **MS** Test Code: **EPA Method SW8260B**
File ID: **4** Batch ID: **MS15W1011A** Analysis Date: **10/11/2016 20:30**
Sample ID: **16100501-03AMS** Units : **µg/L** Run ID: **MANUAL_161011D** Prep Date: **10/11/2016 20:30**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	26.3	2.5	50	0	53	12	150			
Chloromethane	38.9	10	50	0	78	26	146			
Vinyl chloride	38.8	2.5	50	0	78	46	142			
Chloroethane	14	2.5	50	0	28	25	164			
Bromomethane	13.7	10	50	0	27	10	172			
Trichlorofluoromethane	34.7	2.5	50	0	69	32	164			
Acetone	830	50	1000	0	83	10	188			
1,1-Dichloroethene	40.9	2.5	50	0	82	62	133			
Tertiary Butyl Alcohol (TBA)	406	25	500	0	81	44	155			
Dichloromethane	43.4	10	50	0	87	69	130			
Freon-113	40.5	2.5	50	0	81	56	144			
trans-1,2-Dichloroethene	42.6	2.5	50	0	85	67	131			
Methyl tert-butyl ether (MTBE)	49	1.3	50	0	98	56	140			
1,1-Dichloroethane	45.8	2.5	50	0	92	67	130			
2-Butanone (MEK)	921	50	1000	0	92	26	183			
Di-isopropyl Ether (DIPE)	52.7	2.5	50	0	105	59	138			
cis-1,2-Dichloroethene	44.9	2.5	50	0	90	70	130			
Bromochloromethane	42.1	2.5	50	0	84	70	134			
Chloroform	41.7	2.5	50	0	83	69	130			
Ethyl Tertiary Butyl Ether (ETBE)	51.1	2.5	50	0	102	62	135			
2,2-Dichloropropane	41.1	2.5	50	0	82	44	149			
1,2-Dichloroethane	48.1	2.5	50	0	96	64	139			
1,1,1-Trichloroethane	45.2	2.5	50	0	90	65	139			
1,1-Dichloropropene	44.7	2.5	50	0	89	68	134			
Carbon tetrachloride	43.7	2.5	50	0	87	56	146			
Benzene	42.6	1.3	50	0	85	67	134			
Tertiary Amyl Methyl Ether (TAME)	49.9	2.5	50	0	99.8	64	135			
Dibromomethane	46.6	2.5	50	0	93	70	132			
1,2-Dichloropropane	47.5	2.5	50	0	95	69	134			
Trichloroethene	41.2	2.5	50	0	82	68	138			
Bromodichloromethane	47	2.5	50	0	94	58	147			
4-Methyl-2-pentanone (MIBK)	116	13	125	0	93	49	140			
cis-1,3-Dichloropropene	45.7	2.5	50	0	91	61	130			
trans-1,3-Dichloropropene	41.7	2.5	50	0	83	62	131			
1,1,2-Trichloroethane	46.4	2.5	50	0	93	70	131			
Toluene	44	1.3	50	0	88	38	130			
1,3-Dichloropropane	45.6	2.5	50	0	91	70	130			
2-Hexanone	467	25	500	0	93	25	157			
Dibromochloromethane	38.9	2.5	50	0	78	49	147			
1,2-Dibromoethane (EDB)	90.4	5	100	0	90	70	131			
Tetrachloroethene	39.2	2.5	50	0	78	63	134			
1,1,1,2-Tetrachloroethane	43.5	2.5	50	0	87	70	133			
Chlorobenzene	43.4	2.5	50	0	87	70	130			
Ethylbenzene	40.4	1.3	50	0	81	70	130			
m,p-Xylene	39.7	1.3	50	0	79	65	139			
Bromoform	37.3	2.5	50	0	75	60	144			
Styrene	38.7	2.5	50	0	77	53	144			
o-Xylene	39.5	1.3	50	0	79	69	130			
1,1,2,2-Tetrachloroethane	43.5	2.5	50	0	87	67	134			
1,2,3-Trichloropropane	86.5	10	100	0	87	70	130			
Isopropylbenzene	47.6	2.5	50	0	95	64	136			
Bromobenzene	49.1	2.5	50	0	98	69	130			
n-Propylbenzene	48	2.5	50	0	96	65	132			
4-Chlorotoluene	47	2.5	50	0	94	69	132			
2-Chlorotoluene	49.2	2.5	50	0	98	69	130			
1,3,5-Trimethylbenzene	49.4	2.5	50	0	99	64	135			
tert-Butylbenzene	46.3	2.5	50	0	93	63	139			
1,2,4-Trimethylbenzene	49.5	2.5	50	0	99	62	135			
sec-Butylbenzene	46.5	2.5	50	0	93	68	132			
1,3-Dichlorobenzene	46.5	2.5	50	0	93	70	130			
1,4-Dichlorobenzene	45	2.5	50	0	90	70	130			
4-Isopropyltoluene	46	2.5	50	0	92	40	161			
1,2-Dichlorobenzene	44.8	2.5	50	0	90	70	130			
n-Butylbenzene	46.9	2.5	50	0	94	58	135			
1,2-Dibromo-3-chloropropane (DBCP)	180	15	250	0	72	63	131			

1,2,4-Trichlorobenzene	37	10	50	0	74	57	134
Naphthalene	47.2	10	50	0	94	31	157
1,2,3-Trichlorobenzene	46	10	50	0	92	52	138
Xylenes, Total	79.2	1.3	100	0	79	70	130
Surr: 1,2-Dichloroethane-d4	53.8		50		108	70	130
Surr: Toluene-d8	47.9		50		96	70	130
Surr: 4-Bromofluorobenzene	55.1		50		110	70	130

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *14-Oct-16*

QC Summary Report

Work Order: 16100501

Sample Matrix Spike Duplicate Type **MSD** Test Code: **EPA Method SW8260B**
File ID: **5** Batch ID: **MS15W1011A** Analysis Date: **10/11/2016 20:53**
Sample ID: **16100501-03AMSD** Units : **µg/L** Run ID: **MANUAL_161011D** Prep Date: **10/11/2016 20:53**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	28.1	2.5	50	0	56	12	150	26.25	6.7(38)	
Chloromethane	40.9	10	50	0	82	26	146	38.9	5.0(31)	
Vinyl chloride	41.9	2.5	50	0	84	46	142	38.84	7.5(25)	
Chloroethane	54	2.5	50	0	108	25	164	13.99	118.0(40)	R5
Bromomethane	20.2	10	50	0	40	10	172	13.68	38.6(40)	
Trichlorofluoromethane	48.3	2.5	50	0	97	32	164	34.69	32.7(34)	
Acetone	906	50	1000	0	91	10	188	830.2	8.7(39)	
1,1-Dichloroethene	43.4	2.5	50	0	87	62	133	40.92	5.8(35)	
Tertiary Butyl Alcohol (TBA)	443	25	500	0	89	44	155	405.5	8.8(33)	
Dichloromethane	46.8	10	50	0	94	69	130	43.39	7.5(26)	
Freon-113	43.3	2.5	50	0	87	56	144	40.48	6.7(40)	
trans-1,2-Dichloroethene	44.8	2.5	50	0	90	67	131	42.58	5.1(27)	
Methyl tert-butyl ether (MTBE)	53.9	1.3	50	0	108	56	140	48.98	9.6(40)	
1,1-Dichloroethane	49.1	2.5	50	0	98	67	130	45.8	6.9(20)	
2-Butanone (MEK)	1010	50	1000	0	101	26	183	921.4	8.7(22)	
Di-isopropyl Ether (DIPE)	56.7	2.5	50	0	113	59	138	52.66	7.4(20)	
cis-1,2-Dichloroethene	46.7	2.5	50	0	93	70	130	44.88	3.9(20)	
Bromochloromethane	46.2	2.5	50	0	92	70	134	42.13	9.3(20)	
Chloroform	44.8	2.5	50	0	90	69	130	41.68	7.1(22)	
Ethyl Tertiary Butyl Ether (ETBE)	55.8	2.5	50	0	112	62	135	51.11	8.8(40)	
2,2-Dichloropropane	43.5	2.5	50	0	87	44	149	41.11	5.7(23)	
1,2-Dichloroethane	52.3	2.5	50	0	105	64	139	48.09	8.4(20)	
1,1,1-Trichloroethane	48.6	2.5	50	0	97	65	139	45.24	7.1(20)	
1,1-Dichloropropene	47.7	2.5	50	0	95	68	134	44.74	6.3(20)	
Carbon tetrachloride	47.7	2.5	50	0	95	56	146	43.65	9.0(21)	
Benzene	45.1	1.3	50	0	90	67	134	42.62	5.7(21)	
Tertiary Amyl Methyl Ether (TAME)	54.2	2.5	50	0	108	64	135	49.89	8.3(31)	
Dibromomethane	50.7	2.5	50	0	101	70	132	46.57	8.5(20)	
1,2-Dichloropropane	50.8	2.5	50	0	102	69	134	47.52	6.6(20)	
Trichloroethene	43.8	2.5	50	0	88	68	138	41.23	6.0(20)	
Bromodichloromethane	51.5	2.5	50	0	103	58	147	46.96	9.3(20)	
4-Methyl-2-pentanone (MIBK)	127	13	125	0	102	49	140	116.5	9.0(24)	
cis-1,3-Dichloropropene	49.2	2.5	50	0	98	61	130	45.7	7.4(20)	
trans-1,3-Dichloropropene	45	2.5	50	0	90	62	131	41.67	7.7(21)	
1,1,2-Trichloroethane	50.2	2.5	50	0	100	70	131	46.36	8.0(20)	
Toluene	46.5	1.3	50	0	93	38	130	43.97	5.6(20)	
1,3-Dichloropropane	50.6	2.5	50	0	101	70	130	45.64	10.2(20)	
2-Hexanone	513	25	500	0	103	25	157	467.2	9.4(23)	
Dibromochloromethane	43.2	2.5	50	0	86	49	147	38.93	10.4(20)	
1,2-Dibromoethane (EDB)	98.5	5	100	0	98	70	131	90.4	8.6(20)	
Tetrachloroethene	42.4	2.5	50	0	85	63	134	39.19	7.9(20)	
1,1,1,2-Tetrachloroethane	48.1	2.5	50	0	96	70	133	43.49	10.0(20)	
Chlorobenzene	46.9	2.5	50	0	94	70	130	43.37	7.8(20)	
Ethylbenzene	43.1	1.3	50	0	86	70	130	40.35	6.6(20)	
m,p-Xylene	41.5	1.3	50	0	83	65	139	39.71	4.5(20)	
Bromoform	41.5	2.5	50	0	83	60	144	37.26	10.8(21)	
Styrene	42	2.5	50	0	84	53	144	38.72	8.1(31)	
o-Xylene	42.4	1.3	50	0	85	69	130	39.52	7.1(20)	
1,1,2,2-Tetrachloroethane	47.2	2.5	50	0	94	67	134	43.48	8.3(20)	
1,2,3-Trichloropropane	93.9	10	100	0	94	70	130	86.51	8.2(20)	
Isopropylbenzene	50.7	2.5	50	0	101	64	136	47.63	6.2(20)	
Bromobenzene	52.5	2.5	50	0	105	69	130	49.07	6.7(20)	
n-Propylbenzene	51.2	2.5	50	0	102	65	132	47.98	6.5(40)	
4-Chlorotoluene	50.5	2.5	50	0	101	69	132	47.03	7.1(20)	
2-Chlorotoluene	52.3	2.5	50	0	105	69	130	49.17	6.2(20)	
1,3,5-Trimethylbenzene	52.2	2.5	50	0	104	64	135	49.38	5.6(21)	
tert-Butylbenzene	49.3	2.5	50	0	99	63	139	46.29	6.3(20)	
1,2,4-Trimethylbenzene	52.3	2.5	50	0	105	62	135	49.45	5.6(24)	
sec-Butylbenzene	48.9	2.5	50	0	98	68	132	46.52	5.0(20)	
1,3-Dichlorobenzene	50.1	2.5	50	0	100	70	130	46.5	7.4(20)	
1,4-Dichlorobenzene	47.4	2.5	50	0	95	70	130	45.02	5.1(20)	
4-Isopropyltoluene	48.7	2.5	50	0	97	40	161	45.96	5.7(22)	
1,2-Dichlorobenzene	46.7	2.5	50	0	93	70	130	44.75	4.2(20)	
n-Butylbenzene	49.1	2.5	50	0	98	58	135	46.88	4.6(24)	
1,2-Dibromo-3-chloropropane (DBCP)	178	15	250	0	71	63	131	180.1	0.9(29)	

Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *14-Oct-16*

QC Summary Report

Work Order: 16100501

1,2,4-Trichlorobenzene	35.9	10	50	0	72	57	134	36.96	3.0(30)
Naphthalene	45.1	10	50	0	90	31	157	47.24	4.6(40)
1,2,3-Trichlorobenzene	46.8	10	50	0	94	52	138	45.96	1.9(39)
Xylenes, Total	84	1.3	100	0	84	70	130	79.23	5.8(22)
Surr: 1,2-Dichloroethane-d4	54.9		50		110	70	130		
Surr: Toluene-d8	48.1		50		96	70	130		
Surr: 4-Bromofluorobenzene	55.2		50		110	70	130		

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

R5 = MS/MSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

L50 = Analyte recovery was below acceptance limits for the LCS, but was acceptable in the MS/MSD.

L51 = Analyte recovery was above acceptance limits for the LCS, but was acceptable in the MS/MSD.

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : CHHL16100501
Report Due By : 5:00 PM On : 14-Oct-16

Client:
CH2M Hill
1000 Wilshire Boulevard
21st Floor
Los Angeles, CA 90017

Report Attention	Phone Number	EMail Address
Daniel Jablonski	(213) 228-8271 x	daniel.jablonski@ch2m.com
Matthew Mayry	(213) 228-8271 x	matthew.mayry@ch2m.com

EDD Required : **Yes**

Sampled by : Daniel Mosso

PO :

Client's COC # : none

Job : KMEP DFSP Norwalk

Cooler Temp	Samples Received	Date Printed
0 °C	05-Oct-16	05-Oct-16

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests TPH/E_W	TPH/P_W	VOC_W						Sample Remarks
CHH16100501-01A	TB-1	AQ	10/04/16 07:00	2	0	7			TPHE(0.05) +Vinyl acetate						Reno TB 7/29/16
CHH16100501-02A	EB-1	AQ	10/04/16 15:15	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100501-03A	EXP-5	AQ	10/04/16 09:05	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100501-04A	EXP-4	AQ	10/04/16 09:53	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100501-05A	WCW-2	AQ	10/04/16 10:37	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100501-06A	WCW-4	AQ	10/04/16 12:07	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100501-07A	WCW-3	AQ	10/04/16 11:25	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100501-08A	WCW-14	AQ	10/04/16 13:37	5	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						One voa received broken, one voa received cracked but still intact

Comments: Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. :

	Signature	Print Name	Company	Date/Time
Logged in by:	[signature]	Meghan C.	Alpha Analytical, Inc.	10/5/16 1040

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.
The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : CHHL16100501
Report Due By : 5:00 PM On : 14-Oct-16

Client:
CH2M Hill
1000 Wilshire Boulevard
21st Floor
Los Angeles, CA 90017

Report Attention	Phone Number	EMail Address
Daniel Jablonski	(213) 228-8271 x	daniel.jablonski@ch2m.com
Matthew Mayry	(213) 228-8271 x	matthew.mayry@ch2m.com

EDD Required : Yes

Sampled by : Daniel Mosso

Cooler Temp	Samples Received	Date Printed
0 °C	05-Oct-16	05-Oct-16

PO :

Client's COC # : none Job : KMEP DFSP Norwalk

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	No. of Bottles Sub	TAT	Requested Tests: TPH/E_W	TPH/P_W	VOC_W						Sample Remarks
CHH16100501-09A	WCW-8	AQ	10/04/16 12:50	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100501-10A	WCW-13	AQ	10/04/16 14:07	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100501-11A	WCW-12	AQ	10/04/16 14:57	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100501-12A	EXP-3	AQ	10/04/16 09:00	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100501-13A	EXP-2	AQ	10/04/16 12:50	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						

Comments: Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. :

	Signature	Print Name	Company	Date/Time
Logged in by:	[signature]	Meghan C.	Alpha Analytical, Inc.	10/5/16 1040

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.
The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

LAB: Alpha Analytical COC____of____

Billing Information:
Kinder Morgan
1100 Town and CountryRd.
Orange CA 95112

Kinder Morgan Norwalk
Report to:
Dan Jablonski
CH2MHILL
1000 Wilshire Blvd 21st floor
Los Angeles, CA 90017

CHAIN OF CUSTODY

CLIENT: Kinder Morgan

SITE: DFSP Norwalk

15306 Norwalk Blvd, Norwalk

CONDUCT ANALYSIS TO DETECT

SAMPLE I.D.	DATE	TIME	MATRIX AQ= Water	CONTAINERS #	Preservation	Type	TPHg, TPHd (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)						ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
FB-1	10/4/16	0700	AQ	2	HCl	Voa		X						CHH1610050	1-01		
EB-1		1515		6			X	X							02		
Exp-5		0905					X	X							03		
Exp-4		0953					X	X							04		
wcw-2		1037					X	X							05		
~~[illegible]~~ wcw-4		1207					X	X							06		
Wcw-3		1125					X	X							07		
wcw-14		1337					X	X							08		
Wcw-8		1250					X	X							09		
Wcw-13		1407					X	X							10		

SAMPLING COMPLETED — DATE: 10/4/16 — TIME: 1600 — SAMPLING PERFORMED BY: Daniel Mosse

RESULTS NEEDED NO LATER THAN: Standard

RELEASED BY	TIME	RECEIVED BY	DATE	TIME
[signature]	1630	[signature]	10/4/16	1630
[signature]	1645	[signature]	10/4/16	1645
[signature]	1645	[signature]	10/5/16	1030

SHIPPED VIA	TIME SENT	COOLER #	

BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB: Alpha Analytical COC____of____

Billing Information:
Kinder Morgan
1100 Town and CountryRd.
Orange CA 95112

Kinder Morgan Norwalk
Report to:
Dan Jablonski
CH2MHILL
1000 Wilshire Blvd 21st floor
Los Angeles, CA 90017

CHAIN OF CUSTODY

CLIENT: Kinder Morgan

SITE: DFSP Norwalk

15306 Norwalk Blvd, Norwalk

SAMPLE I.D.	DATE	TIME	MATRIX AQ= Water	CONTAINERS #	Preservation	Type	TPHg, TPHd (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
Wcw-12	10/4/16	1457	AQ	6	HCl	Voa	X	X							CHH16100501-11			
Exp-3	10/4/16	0900	↓	↓	↓	↓	X	X								12		
Exp-2	10/4/16	1250	↓	↓	↓	↓	X	X								13		

SAMPLING COMPLETED DATE 10/4/16 TIME 1600

SAMPLING PERFORMED BY Daniel Mosso

RESULTS NEEDED NO LATER THAN Standard

RELEASED BY	TIME	RECEIVED BY	DATE	TIME
[signature]	1630	[signature]	10/4/16	1630
[signature]	1645	[signature]	10/4/16	1645
[signature]	1645	[signature]	10/5/16	1030

SHIPPED VIA | TIME SENT | COOLER #

Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135
Date Received : 10/05/16

Job: KMEP DFSP Norwalk

Total Petroleum Hydrocarbons - Extractable (TPH-E) EPA Method SW8015B
Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B / SW8260B

		Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID :	GMW-O-2					
Lab ID :	CHH16100502-01A	TPH-E (DRO)	ND	0.050 mg/L	10/06/16 12:33	10/07/16 01:39
Date Sampled	10/04/16 09:08	Surr: Nonane	89	(53-145) %REC	10/06/16 12:33	10/07/16 01:39
		TPH-P (GRO)	ND	0.050 mg/L	10/06/16 15:43	10/06/16 15:43
		Surr: 1,2-Dichloroethane-d4	116	(70-130) %REC	10/06/16 15:43	10/06/16 15:43
		Surr: Toluene-d8	93	(70-130) %REC	10/06/16 15:43	10/06/16 15:43
		Surr: 4-Bromofluorobenzene	112	(70-130) %REC	10/06/16 15:43	10/06/16 15:43
Client ID :	GMW-O-5					
Lab ID :	CHH16100502-02A	TPH-E (DRO)	ND	0.050 mg/L	10/06/16 12:33	10/07/16 02:05
Date Sampled	10/04/16 09:50	Surr: Nonane	96	(53-145) %REC	10/06/16 12:33	10/07/16 02:05
		TPH-P (GRO)	ND	0.050 mg/L	10/06/16 16:07	10/06/16 16:07
		Surr: 1,2-Dichloroethane-d4	118	(70-130) %REC	10/06/16 16:07	10/06/16 16:07
		Surr: Toluene-d8	95	(70-130) %REC	10/06/16 16:07	10/06/16 16:07
		Surr: 4-Bromofluorobenzene	102	(70-130) %REC	10/06/16 16:07	10/06/16 16:07
Client ID :	GMW-O-17					
Lab ID :	CHH16100502-03A	TPH-E (DRO)	ND	0.050 mg/L	10/06/16 12:33	10/07/16 02:32
Date Sampled	10/04/16 10:45	Surr: Nonane	91	(53-145) %REC	10/06/16 12:33	10/07/16 02:32
		TPH-P (GRO)	ND	0.050 mg/L	10/06/16 16:30	10/06/16 16:30
		Surr: 1,2-Dichloroethane-d4	114	(70-130) %REC	10/06/16 16:30	10/06/16 16:30
		Surr: Toluene-d8	93	(70-130) %REC	10/06/16 16:30	10/06/16 16:30
		Surr: 4-Bromofluorobenzene	114	(70-130) %REC	10/06/16 16:30	10/06/16 16:30
Client ID :	GMW-38					
Lab ID :	CHH16100502-04A	TPH-E (DRO)	ND	0.050 mg/L	10/06/16 12:33	10/07/16 02:58
Date Sampled	10/04/16 11:30	Surr: Nonane	91	(53-145) %REC	10/06/16 12:33	10/07/16 02:58
		TPH-P (GRO)	ND	0.050 mg/L	10/06/16 16:54	10/06/16 16:54
		Surr: 1,2-Dichloroethane-d4	117	(70-130) %REC	10/06/16 16:54	10/06/16 16:54
		Surr: Toluene-d8	84	(70-130) %REC	10/06/16 16:54	10/06/16 16:54
		Surr: 4-Bromofluorobenzene	116	(70-130) %REC	10/06/16 16:54	10/06/16 16:54
Client ID :	GMW-13					
Lab ID :	CHH16100502-05A	TPH-E (DRO)	ND	0.050 mg/L	10/06/16 12:33	10/07/16 03:24
Date Sampled	10/04/16 11:59	Surr: Nonane	96	(53-145) %REC	10/06/16 12:33	10/07/16 03:24
		TPH-P (GRO)	ND	0.050 mg/L	10/06/16 17:17	10/06/16 17:17
		Surr: 1,2-Dichloroethane-d4	115	(70-130) %REC	10/06/16 17:17	10/06/16 17:17
		Surr: Toluene-d8	88	(70-130) %REC	10/06/16 17:17	10/06/16 17:17
		Surr: 4-Bromofluorobenzene	118	(70-130) %REC	10/06/16 17:17	10/06/16 17:17
Client ID :	GMW-37					
Lab ID :	CHH16100502-06A	TPH-E (DRO)	ND	0.050 mg/L	10/06/16 12:33	10/07/16 03:50
Date Sampled	10/04/16 12:31	Surr: Nonane	99	(53-145) %REC	10/06/16 12:33	10/07/16 03:50
		TPH-P (GRO)	ND	0.050 mg/L	10/06/16 17:41	10/06/16 17:41
		Surr: 1,2-Dichloroethane-d4	112	(70-130) %REC	10/06/16 17:41	10/06/16 17:41
		Surr: Toluene-d8	96	(70-130) %REC	10/06/16 17:41	10/06/16 17:41
		Surr: 4-Bromofluorobenzene	106	(70-130) %REC	10/06/16 17:41	10/06/16 17:41

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Client ID :	**GMW-O-24**					
Lab ID :	CHH16100502-07A	TPH-E (DRO)	ND	0.050 mg/L	10/06/16 12:33	10/07/16 04:17
Date Sampled	10/04/16 13:20	Surr: Nonane	105	(53-145) %REC	10/06/16 12:33	10/07/16 04:17
		TPH-P (GRO)	ND	0.050 mg/L	10/06/16 18:05	10/06/16 18:05
		Surr: 1,2-Dichloroethane-d4	121	(70-130) %REC	10/06/16 18:05	10/06/16 18:05
		Surr: Toluene-d8	93	(70-130) %REC	10/06/16 18:05	10/06/16 18:05
		Surr: 4-Bromofluorobenzene	105	(70-130) %REC	10/06/16 18:05	10/06/16 18:05
Client ID :	**GMW-O-10**					
Lab ID :	CHH16100502-08A	TPH-E (DRO)	ND	0.050 mg/L	10/06/16 12:33	10/07/16 04:42
Date Sampled	10/04/16 14:15	Surr: Nonane	92	(53-145) %REC	10/06/16 12:33	10/07/16 04:42
		TPH-P (GRO)	ND	0.050 mg/L	10/06/16 18:28	10/06/16 18:28
		Surr: 1,2-Dichloroethane-d4	112	(70-130) %REC	10/06/16 18:28	10/06/16 18:28
		Surr: Toluene-d8	96	(70-130) %REC	10/06/16 18:28	10/06/16 18:28
		Surr: 4-Bromofluorobenzene	116	(70-130) %REC	10/06/16 18:28	10/06/16 18:28
Client ID :	**GMW-O-1**					
Lab ID :	CHH16100502-09A	TPH-E (DRO)	ND	0.050 mg/L	10/06/16 12:33	10/07/16 05:08
Date Sampled	10/04/16 15:15	Surr: Nonane	105	(53-145) %REC	10/06/16 12:33	10/07/16 05:08
		TPH-P (GRO)	ND	0.050 mg/L	10/06/16 18:52	10/06/16 18:52
		Surr: 1,2-Dichloroethane-d4	114	(70-130) %REC	10/06/16 18:52	10/06/16 18:52
		Surr: Toluene-d8	96	(70-130) %REC	10/06/16 18:52	10/06/16 18:52
		Surr: 4-Bromofluorobenzene	113	(70-130) %REC	10/06/16 18:52	10/06/16 18:52
Client ID :	**EB-2**					
Lab ID :	CHH16100502-10A	TPH-E (DRO)	ND	0.050 mg/L	10/06/16 12:33	10/07/16 00:19
Date Sampled	10/04/16 15:30	Surr: Nonane	102	(53-145) %REC	10/06/16 12:33	10/07/16 00:19
		TPH-P (GRO)	ND	0.050 mg/L	10/06/16 19:16	10/06/16 19:16
		Surr: 1,2-Dichloroethane-d4	117	(70-130) %REC	10/06/16 19:16	10/06/16 19:16
		Surr: Toluene-d8	95	(70-130) %REC	10/06/16 19:16	10/06/16 19:16
		Surr: 4-Bromofluorobenzene	111	(70-130) %REC	10/06/16 19:16	10/06/16 19:16
Client ID :	**DUP-1**					
Lab ID :	CHH16100502-11A	TPH-E (DRO)	ND	0.050 mg/L	10/06/16 12:33	10/07/16 06:52
Date Sampled	10/04/16 00:00	Surr: Nonane	97	(53-145) %REC	10/06/16 12:33	10/07/16 06:52
		TPH-P (GRO)	ND	0.050 mg/L	10/06/16 19:39	10/06/16 19:39
		Surr: 1,2-Dichloroethane-d4	114	(70-130) %REC	10/06/16 19:39	10/06/16 19:39
		Surr: Toluene-d8	95	(70-130) %REC	10/06/16 19:39	10/06/16 19:39
		Surr: 4-Bromofluorobenzene	115	(70-130) %REC	10/06/16 19:39	10/06/16 19:39
Client ID :	**DUP-2**					
Lab ID :	CHH16100502-12A	TPH-E (DRO)	ND	0.050 mg/L	10/06/16 12:33	10/07/16 07:17
Date Sampled	10/04/16 00:00	Surr: Nonane	106	(53-145) %REC	10/06/16 12:33	10/07/16 07:17
		TPH-P (GRO)	ND	0.050 mg/L	10/06/16 20:03	10/06/16 20:03
		Surr: 1,2-Dichloroethane-d4	116	(70-130) %REC	10/06/16 20:03	10/06/16 20:03
		Surr: Toluene-d8	95	(70-130) %REC	10/06/16 20:03	10/06/16 20:03
		Surr: 4-Bromofluorobenzene	112	(70-130) %REC	10/06/16 20:03	10/06/16 20:03

Diesel Range Organics (DRO) C13-C22
Gasoline Range Organics (GRO) C4-C13
ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

ACLASS ACCREDITED DoD ELAP

NELAP ACCREDITED TNI LABORATORY

10/14/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100502-01A
Client I.D. Number: GMW-O-2

Sampled: 10/04/16 09:08
Received: 10/05/16
Extracted: 10/06/16 15:43
Analyzed: 10/06/16 15:43

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	116	(70-130)	%REC
73	Surr: Toluene-d8	93	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	112	(70-130)	%REC

ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Statement of Data Authenticity : Alpha Analytical, Inc. attests that the data reported has not been altered an any way.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

ACLASS ACCREDITED DoD ELAP

NELAP ACCREDITED LABORATORY

10/14/16
Report Date

Alpha Analytical, Inc.

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ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100502-02A
Client I.D. Number: GMW-O-5

Sampled: 10/04/16 09:50
Received: 10/05/16
Extracted: 10/06/16 16:07
Analyzed: 10/06/16 16:07

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	118	(70-130)	%REC
73	Surr: Toluene-d8	95	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	102	(70-130)	%REC

ND = Not Detected

Roger Scholl　　Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Statement of Data Authenticity : Alpha Analytical, Inc. attests that the data reported has not been altered an any way.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

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NELAP ACCREDITED LABORATORY TNI

10/14/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100502-03A
Client I.D. Number: GMW-O-17

Sampled: 10/04/16 10:45
Received: 10/05/16
Extracted: 10/06/16 16:30
Analyzed: 10/06/16 16:30

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	114	(70-130)	%REC
73	Surr: Toluene-d8	93	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	114	(70-130)	%REC

ND = Not Detected

Roger Scholl Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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NELAP ACCREDITED LABORATORY

10/14/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100502-04A
Client I.D. Number: GMW-38

Sampled: 10/04/16 11:30
Received: 10/05/16
Extracted: 10/06/16 16:54
Analyzed: 10/06/16 16:54

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	117	(70-130)	%REC
73	Surr: Toluene-d8	84	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	116	(70-130)	%REC

ND = Not Detected

Roger Scholl Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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RS
10/14/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100502-05A
Client I.D. Number: GMW-13

Sampled: 10/04/16 11:59
Received: 10/05/16
Extracted: 10/06/16 17:17
Analyzed: 10/06/16 17:17

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	115	(70-130)	%REC
73	Surr: Toluene-d8	88	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	118	(70-130)	%REC

ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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10/14/16
Report Date

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100502-06A
Client I.D. Number: GMW-37

Sampled: 10/04/16 12:31
Received: 10/05/16
Extracted: 10/06/16 17:41
Analyzed: 10/06/16 17:41

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	112	(70-130)	%REC
73	Surr: Toluene-d8	96	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	106	(70-130)	%REC

ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Statement of Data Authenticity : Alpha Analytical, Inc. attests that the data reported has not been altered an any way.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

NELAP ACCREDITED LABORATORY

108

10/14/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100502-07A
Client I.D. Number: GMW-O-24

Sampled: 10/04/16 13:20
Received: 10/05/16
Extracted: 10/06/16 18:05
Analyzed: 10/06/16 18:05

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L

	Compound	Concentration	Reporting Limit	
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	121	(70-130)	%REC
73	Surr: Toluene-d8	93	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	105	(70-130)	%REC

ND = Not Detected

Roger Scholl   Randy Gardner

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Report Date

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ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100502-08A
Client I.D. Number: GMW-O-10

Sampled: 10/04/16 14:15
Received: 10/05/16
Extracted: 10/06/16 18:28
Analyzed: 10/06/16 18:28

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	2.4	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	112	(70-130)	%REC
73	Surr: Toluene-d8	96	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	116	(70-130)	%REC

ND = Not Detected

Roger Scholl   Randy Gardner

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10/14/16
Report Date

Alpha Analytical, Inc.

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ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100502-09A
Client I.D. Number: GMW-O-1

Sampled: 10/04/16 15:15
Received: 10/05/16
Extracted: 10/06/16 18:52
Analyzed: 10/06/16 18:52

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	114	(70-130)	%REC
73	Surr: Toluene-d8	96	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	113	(70-130)	%REC

ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100502-10A
Client I.D. Number: EB-2

Sampled: 10/04/16 15:30
Received: 10/05/16
Extracted: 10/06/16 19:16
Analyzed: 10/06/16 19:16

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	117	(70-130)	%REC
73	Surr: Toluene-d8	95	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	111	(70-130)	%REC

ND = Not Detected

Roger Scholl   Randy Gardner

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Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100502-11A
Client I.D. Number: DUP-1

Sampled: 10/04/16 00:00
Received: 10/05/16
Extracted: 10/06/16 19:39
Analyzed: 10/06/16 19:39

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	114	(70-130)	%REC
73	Surr: Toluene-d8	95	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	115	(70-130)	%REC

ND = Not Detected

Roger Scholl Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

10/14/16
Report Date

Alpha Analytical, Inc.

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ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100502-12A
Client I.D. Number: DUP-2

Sampled: 10/04/16 00:00
Received: 10/05/16
Extracted: 10/06/16 20:03
Analyzed: 10/06/16 20:03

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	2.5	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L

	Compound	Concentration	Reporting Limit	
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	116	(70-130)	%REC
73	Surr: Toluene-d8	95	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	112	(70-130)	%REC

ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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10/14/16
Report Date

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

VOC Sample Preservation Report

Work Order: CHH16100502 **Job:** KMEP DFSP Norwalk

Alpha's Sample ID	Client's Sample ID	Matrix	pH
16100502-01A	GMW-O-2	Aqueous	2
16100502-02A	GMW-O-5	Aqueous	2
16100502-03A	GMW-O-17	Aqueous	2
16100502-04A	GMW-38	Aqueous	2
16100502-05A	GMW-13	Aqueous	2
16100502-06A	GMW-37	Aqueous	2
16100502-07A	GMW-O-24	Aqueous	2
16100502-08A	GMW-O-10	Aqueous	2
16100502-09A	GMW-O-1	Aqueous	2
16100502-10A	EB-2	Aqueous	2
16100502-11A	DUP-1	Aqueous	2
16100502-12A	DUP-2	Aqueous	2

10/14/16
Report Date

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Date: *11-Oct-16*

QC Summary Report

Work Order: 16100502

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B/C Ext**
File ID: **12** Batch ID: **37271** Analysis Date: **10/06/2016 23:26**
Sample ID: **MBLK-37271** Units : **mg/L** Run ID: **MANUAL_160506A** Prep Date: **10/06/2016 12:33**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	ND	0.05								
Surr: Nonane	0.14		0.15		93	35	151			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B/C Ext**
File ID: **13** Batch ID: **37271** Analysis Date: **10/06/2016 23:53**
Sample ID: **LCS-37271** Units : **mg/L** Run ID: **MANUAL_160506A** Prep Date: **10/06/2016 12:33**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.94	0.05	2.5		118	73	135			
Surr: Nonane	0.154		0.15		103	35	151			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B/C Ext**
File ID: **15** Batch ID: **37271** Analysis Date: **10/07/2016 00:46**
Sample ID: **16100502-10AMS** Units : **mg/L** Run ID: **MANUAL_160506A** Prep Date: **10/06/2016 12:33**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.99	0.1	2.5	0	120	64	161			
Surr: Nonane	0.287		0.3		96	33	162			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B/C Ext**
File ID: **16** Batch ID: **37271** Analysis Date: **10/07/2016 01:12**
Sample ID: **16100502-10AMSD** Units : **mg/L** Run ID: **MANUAL_160506A** Prep Date: **10/06/2016 12:33**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.93	0.1	2.5	0	117	64	161	2.994	2.3(40)	
Surr: Nonane	0.602		0.6		100	33	162			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Oil Range Organics (ORO) C22-C40+

Jet Fuel Range Organics (JFRO) C9-C22. JFRO determination is based on its chromatographic fingerprint.

Diesel Range Organics (DRO) C13-C22

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Date: *11-Oct-16*

QC Summary Report

Work Order: 16100502

Method Blank — Type **MBLK** — Test Code: **EPA Method SW8015B/C / SW8260B**
File ID: **68** — Batch ID: **MS15W1006B** — Analysis Date: **10/06/2016 12:11**
Sample ID: **MBLK MS15W1006A** — Units : **mg/L** — Run ID: **MANUAL_161006D** — Prep Date: **10/06/2016 12:11**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	0.05								
Surr: 1,2-Dichloroethane-d4	0.0107		0.01		107	70	130			
Surr: Toluene-d8	0.00936		0.01		94	70	130			
Surr: 4-Bromofluorobenzene	0.0116		0.01		116	70	130			

Laboratory Control Spike — Type **LCS** — Test Code: **EPA Method SW8015B/C / SW8260B**
File ID: **41** — Batch ID: **MS15W1006B** — Analysis Date: **10/06/2016 11:24**
Sample ID: **GLCS MS15W1006B** — Units : **mg/L** — Run ID: **MANUAL_161006D** — Prep Date: **10/06/2016 11:24**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	0.412	0.05	0.4		103	70	130			
Surr: 1,2-Dichloroethane-d4	0.0111		0.01		111	70	130			
Surr: Toluene-d8	0.0108		0.01		108	70	130			
Surr: 4-Bromofluorobenzene	0.0107		0.01		107	70	130			

Sample Matrix Spike — Type **MS** — Test Code: **EPA Method SW8015B/C / SW8260B**
File ID: **44** — Batch ID: **MS15W1006B** — Analysis Date: **10/06/2016 21:14**
Sample ID: **16100502-01AGS** — Units : **mg/L** — Run ID: **MANUAL_161006D** — Prep Date: **10/06/2016 21:14**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.74	0.25	2	0	87	46	167			
Surr: 1,2-Dichloroethane-d4	0.0563		0.05		113	70	130			
Surr: Toluene-d8	0.0471		0.05		94	70	130			
Surr: 4-Bromofluorobenzene	0.0566		0.05		113	70	130			

Sample Matrix Spike Duplicate — Type **MSD** — Test Code: **EPA Method SW8015B/C / SW8260B**
File ID: **45** — Batch ID: **MS15W1006B** — Analysis Date: **10/06/2016 21:38**
Sample ID: **16100502-01AGSD** — Units : **mg/L** — Run ID: **MANUAL_161006D** — Prep Date: **10/06/2016 21:38**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.95	0.25	2	0	98	54	143	1.742	11.4(23)	
Surr: 1,2-Dichloroethane-d4	0.057		0.05		114	70	130			
Surr: Toluene-d8	0.0471		0.05		94	70	130			
Surr: 4-Bromofluorobenzene	0.055		0.05		110	70	130			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Gasoline Range Organics (GRO) C4-C13

Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *11-Oct-16*

QC Summary Report

Work Order: 16100502

Method Blank Type **MBLK** Test Code: **EPA Method SW8260B**

File ID: **29** Batch ID: **MS15W1006A** Analysis Date: **10/06/2016 12:11**

Sample ID: **MBLK MS15W1006B** Units : **µg/L** Run ID: **MANUAL_161006D** Prep Date: **10/06/2016 12:11**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	ND	1								
Chloromethane	ND	2								
Vinyl chloride	ND	0.5								
Chloroethane	ND	1								
Bromomethane	ND	2								
Trichlorofluoromethane	ND	10								
Acetone	ND	10								
1,1-Dichloroethene	ND	1								
Tertiary Butyl Alcohol (TBA)	ND	10								
Dichloromethane	ND	5								
Freon-113	ND	10								
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	0.5								
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	10								
cis-1,3-Dichloropropene	ND	0.5								
trans-1,3-Dichloropropene	ND	0.5								
1,1,2-Trichloroethane	ND	1								
Toluene	ND	0.5								
1,3-Dichloropropane	ND	1								
2-Hexanone	ND	5								
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								
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	5				
1,2,4-Trichlorobenzene	ND	2				
Naphthalene	ND	10				
1,2,3-Trichlorobenzene	ND	2				
Xylenes, Total	ND	0.5				
Surr: 1,2-Dichloroethane-d4	10.7		10	107	70	130
Surr: Toluene-d8	9.36		10	94	70	130
Surr: 4-Bromofluorobenzene	11.6		10	116	70	130

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Date: *11-Oct-16*

QC Summary Report

Work Order: 16100502

Laboratory Control Spike Type **LCS** Test Code: **EPA Method SW8260B**

File ID: 1 Batch ID: **MS15W1006A** Analysis Date: **10/06/2016 11:00**

Sample ID: **LCS MS15W1006A** Units : **µg/L** Run ID: **MANUAL_161006D** Prep Date: **10/06/2016 11:00**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	5.52	1	10		55	32	145			
Chloromethane	9.74	2	10		97	40	145			
Vinyl chloride	8.77	1	10		88	70	130			
Chloroethane	12.3	1	10		123	38	156			
Bromomethane	8.54	2	10		85	13	162			
Trichlorofluoromethane	11.5	1	10		115	46	154			
Acetone	169	10	200		85	22	188			
1,1-Dichloroethene	8.94	1	10		89	70	130			
Tertiary Butyl Alcohol (TBA)	89.9	10	100		90	48	148			
Dichloromethane	8.97	2	10		90	69	130			
Freon-113	9.53	1	10		95	70	136			
trans-1,2-Dichloroethene	9.22	1	10		92	70	130			
Methyl tert-butyl ether (MTBE)	10.5	0.5	10		105	63	137			
1,1-Dichloroethane	10	1	10		100	70	130			
2-Butanone (MEK)	189	10	200		94	26	183			
Di-isopropyl Ether (DIPE)	11.8	1	10		118	69	133			
cis-1,2-Dichloroethene	10.3	1	10		103	70	130			
Bromochloromethane	10.2	1	10		102	70	133			
Chloroform	10.1	1	10		101	70	130			
Ethyl Tertiary Butyl Ether (ETBE)	10.6	1	10		106	66	135			
2,2-Dichloropropane	12.3	1	10		123	70	149			
1,2-Dichloroethane	11.5	1	10		115	70	133			
1,1,1-Trichloroethane	10.3	1	10		103	70	135			
1,1-Dichloropropene	10	1	10		100	70	130			
Carbon tetrachloride	10.8	1	10		108	63	143			
Benzene	8.88	0.5	10		89	70	130			
Tertiary Amyl Methyl Ether (TAME)	11.7	1	10		117	70	133			
Dibromomethane	10.1	1	10		101	70	130			
1,2-Dichloropropane	9.85	1	10		99	70	130			
Trichloroethene	9.85	1	10		99	68	138			
Bromodichloromethane	11.3	1	10		113	58	147			
4-Methyl-2-pentanone (MIBK)	23.2	2.5	25		93	59	140			
cis-1,3-Dichloropropene	11.7	1	10		117	70	130			
trans-1,3-Dichloropropene	9.45	1	10		95	70	131			
1,1,2-Trichloroethane	9.56	1	10		96	70	130			
Toluene	10.7	0.5	10		107	70	130			
1,3-Dichloropropane	11.7	1	10		117	70	130			
2-Hexanone	97.9	5	100		98	48	157			
Dibromochloromethane	10.5	1	10		105	49	147			
1,2-Dibromoethane (EDB)	21.4	2	20		107	70	131			
Tetrachloroethene	10.3	1	10		103	70	130			
1,1,1,2-Tetrachloroethane	11.5	1	10		115	70	130			
Chlorobenzene	10.4	1	10		104	70	130			
Ethylbenzene	9.81	0.5	10		98	70	130			
m,p-Xylene	10	0.5	10		100	65	139			
Bromoform	9.83	1	10		98	60	144			
Styrene	10.5	1	10		105	55	144			
o-Xylene	9.37	0.5	10		94	70	130			
1,1,2,2-Tetrachloroethane	10.4	1	10		104	70	130			
1,2,3-Trichloropropane	21.1	2	20		106	70	130			
Isopropylbenzene	12	1	10		120	69	136			
Bromobenzene	12.6	1	10		126	70	130			
n-Propylbenzene	13.1	1	10		131	70	132			
4-Chlorotoluene	11.8	1	10		118	70	132			
2-Chlorotoluene	12.7	1	10		127	70	130			
1,3,5-Trimethylbenzene	12.8	1	10		128	70	134			
tert-Butylbenzene	11.4	1	10		114	63	139			
1,2,4-Trimethylbenzene	11.9	1	10		119	70	133			
sec-Butylbenzene	12.4	1	10		124	70	132			
1,3-Dichlorobenzene	10.9	1	10		109	70	130			
1,4-Dichlorobenzene	10.2	1	10		102	70	130			
4-Isopropyltoluene	11.9	1	10		119	40	161			
1,2-Dichlorobenzene	10.4	1	10		104	70	130			
n-Butylbenzene	10.9	1	10		109	69	134			
1,2-Dibromo-3-chloropropane (DBCP)	31.8	3	50		64	67	130			L2

Alpha Analytical, Inc.
255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *11-Oct-16*

QC Summary Report

Work Order: 16100502

1,2,4-Trichlorobenzene	3.93	2	10	39	62	131	L2
Naphthalene	3.6	2	10	36	39	149	L2
1,2,3-Trichlorobenzene	3.25	2	10	33	54	135	L2
Xylenes, Total	19.4	0.5	20	97	70	130	
Surr: 1,2-Dichloroethane-d4	11		10	110	70	130	
Surr: Toluene-d8	10.1		10	101	70	130	
Surr: 4-Bromofluorobenzene	12.2		10	122	70	130	

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Date: *11-Oct-16*

QC Summary Report

Work Order: 16100502

Sample Matrix Spike Type **MS** Test Code: **EPA Method SW8260B**
File ID: **3** Batch ID: **MS15W1006A** Analysis Date: **10/06/2016 20:26**
Sample ID: **16100502-01AMS** Units : **µg/L** Run ID: **MANUAL_161006D** Prep Date: **10/06/2016 20:26**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	11.3	2.5	50	0	23	12	150			
Chloromethane	38.1	10	50	0	76	26	146			
Vinyl chloride	33.8	2.5	50	0	68	46	142			
Chloroethane	54.6	2.5	50	0	109	25	164			
Bromomethane	19.7	10	50	0	39	10	172			
Trichlorofluoromethane	45.1	2.5	50	0	90	32	164			
Acetone	1060	50	1000	0	106	10	188			
1,1-Dichloroethene	42.4	2.5	50	0	85	62	133			
Tertiary Butyl Alcohol (TBA)	522	25	500	0	104	44	155			
Dichloromethane	51.2	10	50	0	102	69	130			
Freon-113	37.9	2.5	50	0	76	56	144			
trans-1,2-Dichloroethene	47	2.5	50	0	94	67	131			
Methyl tert-butyl ether (MTBE)	62.5	1.3	50	0	125	56	140			
1,1-Dichloroethane	54.8	2.5	50	0	110	67	130			
2-Butanone (MEK)	1160	50	1000	0	116	26	183			
Di-isopropyl Ether (DIPE)	66.2	2.5	50	0	132	59	138			
cis-1,2-Dichloroethene	51	2.5	50	0	102	70	130			
Bromochloromethane	49.8	2.5	50	0	99.5	70	134			
Chloroform	52.7	2.5	50	0	105	69	130			
Ethyl Tertiary Butyl Ether (ETBE)	64.9	2.5	50	0	130	62	135			
2,2-Dichloropropane	49.6	2.5	50	0	99	44	149			
1,2-Dichloroethane	62.2	2.5	50	0	124	64	139			
1,1,1-Trichloroethane	53.6	2.5	50	0	107	65	139			
1,1-Dichloropropene	49.3	2.5	50	0	99	68	134			
Carbon tetrachloride	50.4	2.5	50	0	101	56	146			
Benzene	49.5	1.3	50	0	99	67	134			
Tertiary Amyl Methyl Ether (TAME)	64.5	2.5	50	0	129	64	135			
Dibromomethane	58.1	2.5	50	0	116	70	132			
1,2-Dichloropropane	57.6	2.5	50	0	115	69	134			
Trichloroethene	47.3	2.5	50	0	95	68	138			
Bromodichloromethane	60.4	2.5	50	0	121	58	147			
4-Methyl-2-pentanone (MIBK)	153	13	125	0	123	49	140			
cis-1,3-Dichloropropene	55	2.5	50	0	110	61	130			
trans-1,3-Dichloropropene	51.2	2.5	50	0	102	62	131			
1,1,2-Trichloroethane	58.3	2.5	50	0	117	70	131			
Toluene	48.3	1.3	50	0	97	38	130			
1,3-Dichloropropane	54.6	2.5	50	0	109	70	130			
2-Hexanone	579	25	500	0	116	25	157			
Dibromochloromethane	47.5	2.5	50	0	95	49	147			
1,2-Dibromoethane (EDB)	106	5	100	0	106	70	131			
Tetrachloroethene	40	2.5	50	0	80	63	134			
1,1,1,2-Tetrachloroethane	50.7	2.5	50	0	101	70	133			
Chlorobenzene	47.6	2.5	50	0	95	70	130			
Ethylbenzene	43.5	1.3	50	0	87	70	130			
m,p-Xylene	42.1	1.3	50	0	84	65	139			
Bromoform	44.5	2.5	50	0	89	60	144			
Styrene	41.8	2.5	50	0	84	53	144			
o-Xylene	42.7	1.3	50	0	85	69	130			
1,1,2,2-Tetrachloroethane	48.6	2.5	50	0	97	67	134			
1,2,3-Trichloropropane	101	10	100	0	101	70	130			
Isopropylbenzene	50.2	2.5	50	0	100	64	136			
Bromobenzene	53.7	2.5	50	0	107	69	130			
n-Propylbenzene	48.7	2.5	50	0	97	65	132			
4-Chlorotoluene	49.2	2.5	50	0	98	69	132			
2-Chlorotoluene	52	2.5	50	0	104	69	130			
1,3,5-Trimethylbenzene	51.1	2.5	50	0	102	64	135			
tert-Butylbenzene	46.9	2.5	50	0	94	63	139			
1,2,4-Trimethylbenzene	51.2	2.5	50	0	102	62	135			
sec-Butylbenzene	44.5	2.5	50	0	89	68	132			
1,3-Dichlorobenzene	45.8	2.5	50	0	92	70	130			
1,4-Dichlorobenzene	44.7	2.5	50	0	89	70	130			
4-Isopropyltoluene	44	2.5	50	0	88	40	161			
1,2-Dichlorobenzene	41.9	2.5	50	0	84	70	130			
n-Butylbenzene	42.3	2.5	50	0	85	58	135			
1,2-Dibromo-3-chloropropane (DBCP)	108	15	250	0	43	63	131			M57

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Date: *11-Oct-16*

QC Summary Report

Work Order: 16100502

1,2,4-Trichlorobenzene	7.64	10	50	0	15	57	134	M57
Naphthalene	3.9	10	50	0	7.8	31	157	M57
1,2,3-Trichlorobenzene	3.1	10	50	0	6.2	52	138	M57
Xylenes, Total	84.7	1.3	100	0	85	70	130	
Surr: 1,2-Dichloroethane-d4	58.1		50		116	70	130	
Surr: Toluene-d8	46.6		50		93	70	130	
Surr: 4-Bromofluorobenzene	56.2		50		112	70	130	

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Date: *11-Oct-16*

QC Summary Report

Work Order: 16100502

Sample Matrix Spike Duplicate Type **MSD** Test Code: **EPA Method SW8260B**

File ID: **4** Batch ID: **MS15W1006A** Analysis Date: **10/06/2016 20:50**

Sample ID: **16100502-01AMSD** Units : **µg/L** Run ID: **MANUAL_161006D** Prep Date: **10/06/2016 20:50**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	10.7	2.5	50	0	21	12	150	11.31	5.7(38)	
Chloromethane	37.5	10	50	0	75	26	146	38.05	1.4(31)	
Vinyl chloride	34.4	2.5	50	0	69	46	142	33.8	1.8(25)	
Chloroethane	52	2.5	50	0	104	25	164	54.56	4.9(40)	
Bromomethane	28.6	10	50	0	57	10	172	19.72	36.6(40)	
Trichlorofluoromethane	43.8	2.5	50	0	88	32	164	45.08	3.0(34)	
Acetone	1030	50	1000	0	103	10	188	1063	2.8(39)	
1,1-Dichloroethene	42.1	2.5	50	0	84	62	133	42.38	0.6(35)	
Tertiary Butyl Alcohol (TBA)	521	25	500	0	104	44	155	522.2	0.3(33)	
Dichloromethane	50.8	10	50	0	102	69	130	51.15	0.8(26)	
Freon-113	36.2	2.5	50	0	72	56	144	37.87	4.6(40)	
trans-1,2-Dichloroethene	46.8	2.5	50	0	94	67	131	47.03	0.5(27)	
Methyl tert-butyl ether (MTBE)	60.7	1.3	50	0	121	56	140	62.48	2.9(40)	
1,1-Dichloroethane	54.5	2.5	50	0	109	67	130	54.81	0.5(20)	
2-Butanone (MEK)	1130	50	1000	0	113	26	183	1161	3.0(22)	
Di-isopropyl Ether (DIPE)	65.8	2.5	50	0	132	59	138	66.18	0.7(20)	
cis-1,2-Dichloroethene	52.6	2.5	50	0	105	70	130	51.04	2.9(20)	
Bromochloromethane	49.9	2.5	50	0	99.7	70	134	49.77	0.2(20)	
Chloroform	51.9	2.5	50	0	104	69	130	52.65	1.5(22)	
Ethyl Tertiary Butyl Ether (ETBE)	63.6	2.5	50	0	127	62	135	64.92	2.0(40)	
2,2-Dichloropropane	48.5	2.5	50	0	97	44	149	49.58	2.2(23)	
1,2-Dichloroethane	60.5	2.5	50	0	121	64	139	62.17	2.7(20)	
1,1,1-Trichloroethane	53.1	2.5	50	0	106	65	139	53.6	1.0(20)	
1,1-Dichloropropene	48.5	2.5	50	0	97	68	134	49.31	1.6(20)	
Carbon tetrachloride	49.5	2.5	50	0	99	56	146	50.35	1.7(21)	
Benzene	49.5	1.3	50	0	99	67	134	49.53	0.1(21)	
Tertiary Amyl Methyl Ether (TAME)	62.7	2.5	50	0	125	64	135	64.5	2.8(31)	
Dibromomethane	57.2	2.5	50	0	114	70	132	58.08	1.6(20)	
1,2-Dichloropropane	57.2	2.5	50	0	114	69	134	57.62	0.7(20)	
Trichloroethene	46.8	2.5	50	0	94	68	138	47.25	0.9(20)	
Bromodichloromethane	59.7	2.5	50	0	119	58	147	60.41	1.3(20)	
4-Methyl-2-pentanone (MIBK)	148	13	125	0	119	49	140	153.5	3.4(24)	
cis-1,3-Dichloropropene	54.7	2.5	50	0	109	61	130	54.99	0.6(20)	
trans-1,3-Dichloropropene	50.4	2.5	50	0	101	62	131	51.15	1.5(21)	
1,1,2-Trichloroethane	56.5	2.5	50	0	113	70	131	58.32	3.1(20)	
Toluene	47.9	1.3	50	0	96	38	130	48.32	0.9(20)	
1,3-Dichloropropane	54.4	2.5	50	0	109	70	130	54.64	0.4(20)	
2-Hexanone	570	25	500	0	114	25	157	578.8	1.5(23)	
Dibromochloromethane	47.1	2.5	50	0	94	49	147	47.48	0.9(20)	
1,2-Dibromoethane (EDB)	105	5	100	0	105	70	131	106.3	1.1(20)	
Tetrachloroethene	40.1	2.5	50	0	80	63	134	40.01	0.1(20)	
1,1,1,2-Tetrachloroethane	50.8	2.5	50	0	102	70	133	50.65	0.3(20)	
Chlorobenzene	48	2.5	50	0	96	70	130	47.64	0.8(20)	
Ethylbenzene	43.6	1.3	50	0	87	70	130	43.51	0.1(20)	
m,p-Xylene	41.4	1.3	50	0	83	65	139	42.05	1.5(20)	
Bromoform	44.5	2.5	50	0	89	60	144	44.47	0.0(21)	
Styrene	42.3	2.5	50	0	85	53	144	41.81	1.2(31)	
o-Xylene	42.8	1.3	50	0	86	69	130	42.65	0.3(20)	
1,1,2,2-Tetrachloroethane	48.1	2.5	50	0	96	67	134	48.62	1.0(20)	
1,2,3-Trichloropropane	99.6	10	100	0	99.6	70	130	101.2	1.6(20)	
Isopropylbenzene	52.4	2.5	50	0	105	64	136	50.23	4.1(20)	
Bromobenzene	55.7	2.5	50	0	111	69	130	53.71	3.7(20)	
n-Propylbenzene	50.8	2.5	50	0	102	65	132	48.67	4.3(40)	
4-Chlorotoluene	52.1	2.5	50	0	104	69	132	49.2	5.7(20)	
2-Chlorotoluene	54.4	2.5	50	0	109	69	130	51.98	4.5(20)	
1,3,5-Trimethylbenzene	53.4	2.5	50	0	107	64	135	51.06	4.5(21)	
tert-Butylbenzene	48.9	2.5	50	0	98	63	139	46.87	4.3(20)	
1,2,4-Trimethylbenzene	53.6	2.5	50	0	107	62	135	51.17	4.6(24)	
sec-Butylbenzene	46.3	2.5	50	0	93	68	132	44.53	4.0(20)	
1,3-Dichlorobenzene	49.5	2.5	50	0	99	70	130	45.77	7.8(20)	
1,4-Dichlorobenzene	46.8	2.5	50	0	94	70	130	44.68	4.5(20)	
4-Isopropyltoluene	46.6	2.5	50	0	93	40	161	43.96	5.7(22)	
1,2-Dichlorobenzene	46.1	2.5	50	0	92	70	130	41.89	9.6(20)	
n-Butylbenzene	44.9	2.5	50	0	90	58	135	42.26	6.1(24)	
1,2-Dibromo-3-chloropropane (DBCP)	167	15	250	0	67	63	131	108.1	43.0(29)	R58

Date: *11-Oct-16*

QC Summary Report

Work Order: 16100502

1,2,4-Trichlorobenzene	17.2	10	50	0	34	57	134	7.64	77.1(30)	M57R58
Naphthalene	17.3	10	50	0	35	31	157	3.9	126.0(40)	R58
1,2,3-Trichlorobenzene	14.1	10	50	0	28	52	138	3.1	128.0(39)	M57R58
Xylenes, Total	84.2	1.3	100	0	84	70	130	84.7	0.6(22)	
Surr: 1,2-Dichloroethane-d4	56.4		50		113	70	130			
Surr: Toluene-d8	46.9		50		94	70	130			
Surr: 4-Bromofluorobenzene	58.4		50		117	70	130			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

R58 = MS/MSD RPD exceeded the laboratory control limit.

L2 = The associated blank spike recovery was below laboratory acceptance limits.

M57 = Matrix spike recovery was below laboratory acceptance limits.

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : CHHL16100502
Report Due By : 5:00 PM On : 14-Oct-16

Client:
CH2M Hill
1000 Wilshire Boulevard
21st Floor
Los Angeles, CA 90017

Report Attention	Phone Number	EMail Address
Daniel Jablonski	(213) 228-8271 x	daniel.jablonski@ch2m.com
Matthew Mayry	(213) 228-8271 x	matthew.mayry@ch2m.com

EDD Required : Yes
Sampled by : Kevin Thompson

PO :
Client's COC # : none
Job : KMEP DFSP Norwalk

Cooler Temp	Samples Received	Date Printed
0 °C	05-Oct-16	05-Oct-16

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	No. of Bottles Sub	TAT	Requested Tests: TPH/E_W	TPH/P_W	VOC_W						Sample Remarks
CHH16100502-01A	GMW-O-2	AQ	10/04/16 09:08	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100502-02A	GMW-O-5	AQ	10/04/16 09:50	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100502-03A	GMW-O-17	AQ	10/04/16 10:45	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100502-04A	GMW-38	AQ	10/04/16 11:30	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100502-05A	GMW-13	AQ	10/04/16 11:59	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100502-06A	GMW-37	AQ	10/04/16 12:31	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100502-07A	GMW-O-24	AQ	10/04/16 13:20	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100502-08A	GMW-O-10	AQ	10/04/16 14:15	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						

Comments: Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. :

	Signature	Print Name	Company	Date/Time
Logged in by:	[signature]	Meghan C.	Alpha Analytical, Inc.	10/5/16 1055

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.
The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : CHHL16100502
Report Due By : 5:00 PM On : 14-Oct-16

Client:
CH2M Hill
1000 Wilshire Boulevard
21st Floor
Los Angeles, CA 90017

Report Attention	Phone Number	EMail Address
Daniel Jablonski	(213) 228-8271 x	daniel.jablonski@ch2m.com
Matthew Mayry	(213) 228-8271 x	matthew.mayry@ch2m.com

EDD Required : **Yes**
Sampled by : Kevin Thompson

Cooler Temp	Samples Received	Date Printed
0 °C	05-Oct-16	05-Oct-16

PO :
Client's COC # : none
Job : KMEP DFSP Norwalk

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	No. of Bottles Sub	TAT	Requested Tests: TPH/E_W	TPH/P_W	VOC_W						Sample Remarks
CHH16100502-09A	GMW-O-1	AQ	10/04/16 15:15	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100502-10A	EB-2	AQ	10/04/16 15:30	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100502-11A	DUP-1	AQ	10/04/16 00:00	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100502-12A	DUP-2	AQ	10/04/16 00:00	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						

Comments: Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. :

	Signature	Print Name	Company	Date/Time
Logged in by:	[signature]	Meghan C.	Alpha Analytical, Inc.	10/5/16 1055

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.
The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

LAB Alpha Analytical COC 1 of 2

CHAIN OF CUSTODY

CLIENT Kinder Morgan

SITE DFSP Norwalk
15306 Norwalk Blvd, Norwalk

Billing Information:
Kinder Morgan
1100 Town and CountryRd.
Orange CA 95112

Kinder Morgan Norwalk
Report to:
Dan Jablonski
CH2MHILL
1000 Wilshire Blvd 21st floor
Los Angeles, CA 90017

CONDUCT ANALYSIS TO DETECT

SAMPLE I.D.	DATE	TIME	MATRIX AQ= Water	CONTAINERS #	Preservation	Type	TPHg, TPHd (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
Gmw-0-2	10-4-16	0900		6	HCL	Voas	X	X	CHH16100502-01			
Gmw-0-5		0950					X	X		02		
Gmw-0-17		1045					X	X		03		
Gmw-38		1130					X	X		04		
Gmw-13		1159					X	X		05		
Gmw-37		1231					X	X		06		
Gmw-0-24		1320					X	X		07		
Gmw-0-10		1415					X	X		08		
Gmw-0-1		1515					X	X		09		
EB-2		1530					X	X		10		

SAMPLING COMPLETED DATE 10.4.16 TIME 1625

SAMPLING PERFORMED BY Kevin Thompson

RESULTS NEEDED NO LATER THAN Standard

RELEASED BY	TIME	RECEIVED BY	DATE	TIME
	1625		10/4/16	1625
	1625		10/4/16	1625
	1625		10/5/16	1045

SHIPPED VIA

TIME SENT

COOLER #

BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

LAB: Alpha Analytical COC 2 of 2

CHAIN OF CUSTODY

CLIENT: Kinder Morgan

SITE: DFSP Norwalk
15306 Norwalk Blvd, Norwalk

Billing Information:
Kinder Morgan
1100 Town and CountryRd.
Orange CA 95112

Kinder Morgan Norwalk
Report to:
Dan Jablonski
CH2MHILL
1000 Wilshire Blvd 21st floor
Los Angeles, CA 90017

CONDUCT ANALYSIS TO DETECT

SAMPLE I.D.	DATE	TIME	MATRIX AQ= Water	CONTAINERS #	Preservation	Type	TPHg, TPHd (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
Dup-1	10.4.16	—	W	6	HCL	voas	X	X							CHH1610050	2-11		
Dup-2	↓	—	↓	6	↓		X	X							|	12		

SAMPLING COMPLETED — DATE: 10.4.16 — TIME: 1625 — SAMPLING PERFORMED BY: Kevin Thompson

RESULTS NEEDED NO LATER THAN: Standard

RELEASED BY	TIME	RECEIVED BY	DATE	TIME
[signature]	1625	[signature]	10/4/16	1625
[signature]	1625	[signature]	10/4/16	1625
[signature]	1625	[signature]	10/5/16	1045

SHIPPED VIA	TIME SENT	COOLER #

Alpha Analytical, Inc.
255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135
Date Received : 10/06/16

Job: KMEP DFSP Norwalk

Total Petroleum Hydrocarbons - Extractable (TPH-E) EPA Method SW8015B
Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B / SW8260B

		Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID :	**MW-7**					
Lab ID :	CHH16100605-01A	TPH-E (DRO)	ND	0.050 mg/L	10/07/16 12:08	10/07/16 19:59
Date Sampled	10/05/16 11:37	Surr: Nonane	97	(53-145) %REC	10/07/16 12:08	10/07/16 19:59
		TPH-P (GRO)	ND	0.050 mg/L	10/15/16 02:50	10/15/16 02:50
		Surr: 1,2-Dichloroethane-d4	113	(70-130) %REC	10/15/16 02:50	10/15/16 02:50
		Surr: Toluene-d8	96	(70-130) %REC	10/15/16 02:50	10/15/16 02:50
		Surr: 4-Bromofluorobenzene	109	(70-130) %REC	10/15/16 02:50	10/15/16 02:50
Client ID :	**MW-19(MID)**					
Lab ID :	CHH16100605-02A	TPH-E (DRO)	ND	0.050 mg/L	10/07/16 12:08	10/07/16 20:26
Date Sampled	10/05/16 10:55	Surr: Nonane	94	(53-145) %REC	10/07/16 12:08	10/07/16 20:26
		TPH-P (GRO)	0.054	0.050 mg/L	10/15/16 03:14	10/15/16 03:14
		Surr: 1,2-Dichloroethane-d4	105	(70-130) %REC	10/15/16 03:14	10/15/16 03:14
		Surr: Toluene-d8	98	(70-130) %REC	10/15/16 03:14	10/15/16 03:14
		Surr: 4-Bromofluorobenzene	114	(70-130) %REC	10/15/16 03:14	10/15/16 03:14
Client ID :	**MW-6**					
Lab ID :	CHH16100605-03A	TPH-E (DRO)	ND	0.050 mg/L	10/07/16 12:08	10/07/16 20:52
Date Sampled	10/05/16 10:17	Surr: Nonane	93	(53-145) %REC	10/07/16 12:08	10/07/16 20:52
		TPH-P (GRO)	ND	0.050 mg/L	10/15/16 03:39	10/15/16 03:39
		Surr: 1,2-Dichloroethane-d4	109	(70-130) %REC	10/15/16 03:39	10/15/16 03:39
		Surr: Toluene-d8	97	(70-130) %REC	10/15/16 03:39	10/15/16 03:39
		Surr: 4-Bromofluorobenzene	113	(70-130) %REC	10/15/16 03:39	10/15/16 03:39
Client ID :	**EB-3**					
Lab ID :	CHH16100605-04A	TPH-E (DRO)	ND	0.050 mg/L	10/07/16 12:08	10/07/16 18:39
Date Sampled	10/05/16 15:25	Surr: Nonane	87	(53-145) %REC	10/07/16 12:08	10/07/16 18:39
		TPH-P (GRO)	ND	0.050 mg/L	10/15/16 04:03	10/15/16 04:03
		Surr: 1,2-Dichloroethane-d4	116	(70-130) %REC	10/15/16 04:03	10/15/16 04:03
		Surr: Toluene-d8	95	(70-130) %REC	10/15/16 04:03	10/15/16 04:03
		Surr: 4-Bromofluorobenzene	112	(70-130) %REC	10/15/16 04:03	10/15/16 04:03
Client ID :	**GMW-8**					
Lab ID :	CHH16100605-05A	TPH-E (DRO)	ND	0.050 mg/L	10/07/16 12:08	10/07/16 21:19
Date Sampled	10/05/16 14:20	Surr: Nonane	85	(53-145) %REC	10/07/16 12:08	10/07/16 21:19
		TPH-P (GRO)	ND	0.050 mg/L	10/15/16 04:28	10/15/16 04:28
		Surr: 1,2-Dichloroethane-d4	112	(70-130) %REC	10/15/16 04:28	10/15/16 04:28
		Surr: Toluene-d8	95	(70-130) %REC	10/15/16 04:28	10/15/16 04:28
		Surr: 4-Bromofluorobenzene	119	(70-130) %REC	10/15/16 04:28	10/15/16 04:28
Client ID :	**MW-21(MID)**					
Lab ID :	CHH16100605-06A	TPH-E (DRO)	0.082	0.050 mg/L	10/07/16 12:08	10/07/16 21:45
Date Sampled	10/05/16 15:07	Surr: Nonane	93	(53-145) %REC	10/07/16 12:08	10/07/16 21:45
		TPH-P (GRO)	0.057	0.050 mg/L	10/15/16 04:53	10/15/16 04:53
		Surr: 1,2-Dichloroethane-d4	111	(70-130) %REC	10/15/16 04:53	10/15/16 04:53
		Surr: Toluene-d8	96	(70-130) %REC	10/15/16 04:53	10/15/16 04:53
		Surr: 4-Bromofluorobenzene	122	(70-130) %REC	10/15/16 04:53	10/15/16 04:53

Alpha Analytical, Inc.
255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Client ID :	**PW-3**						
Lab ID :	CHH16100605-07A	TPH-E (DRO)	ND		0.050 mg/L	10/07/16 12:08	10/07/16 22:12
Date Sampled	10/05/16 12:33	Surr: Nonane	91		(53-145) %REC	10/07/16 12:08	10/07/16 22:12
		TPH-P (GRO)	ND		0.050 mg/L	10/15/16 05:18	10/15/16 05:18
		Surr: 1,2-Dichloroethane-d4	114		(70-130) %REC	10/15/16 05:18	10/15/16 05:18
		Surr: Toluene-d8	97		(70-130) %REC	10/15/16 05:18	10/15/16 05:18
		Surr: 4-Bromofluorobenzene	113		(70-130) %REC	10/15/16 05:18	10/15/16 05:18
Client ID :	**MW-9**						
Lab ID :	CHH16100605-08A	TPH-E (DRO)	0.28	K	0.050 mg/L	10/07/16 12:08	10/07/16 22:38
Date Sampled	10/05/16 13:17	Surr: Nonane	92		(53-145) %REC	10/07/16 12:08	10/07/16 22:38
		TPH-P (GRO)	0.085		0.050 mg/L	10/15/16 05:42	10/15/16 05:42
		Surr: 1,2-Dichloroethane-d4	115		(70-130) %REC	10/15/16 05:42	10/15/16 05:42
		Surr: Toluene-d8	97		(70-130) %REC	10/15/16 05:42	10/15/16 05:42
		Surr: 4-Bromofluorobenzene	120		(70-130) %REC	10/15/16 05:42	10/15/16 05:42
Client ID :	**WCW-5**						
Lab ID :	CHH16100605-09A	TPH-E (DRO)	ND		0.050 mg/L	10/07/16 12:08	10/07/16 23:05
Date Sampled	10/05/16 09:16	Surr: Nonane	96		(53-145) %REC	10/07/16 12:08	10/07/16 23:05
		TPH-P (GRO)	ND		0.050 mg/L	10/15/16 06:07	10/15/16 06:07
		Surr: 1,2-Dichloroethane-d4	112		(70-130) %REC	10/15/16 06:07	10/15/16 06:07
		Surr: Toluene-d8	97		(70-130) %REC	10/15/16 06:07	10/15/16 06:07
		Surr: 4-Bromofluorobenzene	113		(70-130) %REC	10/15/16 06:07	10/15/16 06:07
Client ID :	**MW-20(MID)**						
Lab ID :	CHH16100605-10A	TPH-E (DRO)	ND		0.050 mg/L	10/07/16 12:08	10/07/16 23:31
Date Sampled	10/05/16 09:46	Surr: Nonane	94		(53-145) %REC	10/07/16 12:08	10/07/16 23:31
		TPH-P (GRO)	ND		0.050 mg/L	10/15/16 06:32	10/15/16 06:32
		Surr: 1,2-Dichloroethane-d4	111		(70-130) %REC	10/15/16 06:32	10/15/16 06:32
		Surr: Toluene-d8	96		(70-130) %REC	10/15/16 06:32	10/15/16 06:32
		Surr: 4-Bromofluorobenzene	117		(70-130) %REC	10/15/16 06:32	10/15/16 06:32
Client ID :	**WCW-7**						
Lab ID :	CHH16100605-11A	TPH-E (DRO)	ND		0.050 mg/L	10/07/16 12:08	10/08/16 01:18
Date Sampled	10/05/16 08:01	Surr: Nonane	91		(53-145) %REC	10/07/16 12:08	10/08/16 01:18
		TPH-P (GRO)	ND		0.050 mg/L	10/15/16 06:57	10/15/16 06:57
		Surr: 1,2-Dichloroethane-d4	115		(70-130) %REC	10/15/16 06:57	10/15/16 06:57
		Surr: Toluene-d8	97		(70-130) %REC	10/15/16 06:57	10/15/16 06:57
		Surr: 4-Bromofluorobenzene	116		(70-130) %REC	10/15/16 06:57	10/15/16 06:57
Client ID :	**WCW-6**						
Lab ID :	CHH16100605-12A	TPH-E (DRO)	ND		0.050 mg/L	10/07/16 12:08	10/08/16 01:45
Date Sampled	10/05/16 08:40	Surr: Nonane	93		(53-145) %REC	10/07/16 12:08	10/08/16 01:45
		TPH-P (GRO)	ND		0.050 mg/L	10/15/16 07:22	10/15/16 07:22
		Surr: 1,2-Dichloroethane-d4	116		(70-130) %REC	10/15/16 07:22	10/15/16 07:22
		Surr: Toluene-d8	95		(70-130) %REC	10/15/16 07:22	10/15/16 07:22
		Surr: 4-Bromofluorobenzene	117		(70-130) %REC	10/15/16 07:22	10/15/16 07:22

Diesel Range Organics (DRO) C13-C22
Gasoline Range Organics (GRO) C4-C13
K = DRO concentration may include contributions from lighter-end hydrocarbons that elute in the DRO range.
ND = Not Detected

Roger Scholl   Randy Gardner

ACLASS ACCREDITED DoD ELAP

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com
Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.
Statement of Data Authenticity : Alpha Analytical, Inc. attests that the data reported has not been altered an any way.
Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

NELAP ACCREDITED TNI LABORATORY

RG
10/17/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100605-01A
Client I.D. Number: MW-7

Sampled: 10/05/16 11:37
Received: 10/06/16
Extracted: 10/15/16 02:50
Analyzed: 10/15/16 02:50

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	1.1	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	113	(70-130)	%REC
73	Surr: Toluene-d8	96	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	109	(70-130)	%REC

ND = Not Detected

Roger Scholl Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

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Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

ACLASS ACCREDITED DoD ELAP

NELAP ACCREDITED LABORATORY TNI

10/17/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100605-02A
Client I.D. Number: MW-19(MID)

Sampled: 10/05/16 10:55
Received: 10/06/16
Extracted: 10/15/16 03:14
Analyzed: 10/15/16 03:14

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	220	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	0.68	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	19	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	3.8	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	105	(70-130)	%REC
73	Surr: Toluene-d8	98	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	114	(70-130)	%REC

ND = Not Detected

Roger Scholl   Randy Gardner

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ACLASS ACCREDITED DoD ELAP

NELAP ACCREDITED LABORATORY TNI

10/17/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100605-03A
Client I.D. Number: MW-6

Sampled: 10/05/16 10:17
Received: 10/06/16
Extracted: 10/15/16 03:39
Analyzed: 10/15/16 03:39

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	1.2	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	0.96	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	109	(70-130)	%REC
73	Surr: Toluene-d8	97	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	113	(70-130)	%REC

ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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10/17/16
Report Date

Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100605-04A
Client I.D. Number: EB-3

Sampled: 10/05/16 15:25
Received: 10/06/16
Extracted: 10/15/16 04:03
Analyzed: 10/15/16 04:03

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L

	Compound	Concentration	Reporting Limit	
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	116	(70-130)	%REC
73	Surr: Toluene-d8	95	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	112	(70-130)	%REC

ND = Not Detected

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RB
10/17/16
Report Date

Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100605-05A
Client I.D. Number: GMW-8

Sampled: 10/05/16 14:20
Received: 10/06/16
Extracted: 10/15/16 04:28
Analyzed: 10/15/16 04:28

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	0.55	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	1.9	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	112	(70-130)	%REC
73	Surr: Toluene-d8	95	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	119	(70-130)	%REC

ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Statement of Data Authenticity : Alpha Analytical, Inc. attests that the data reported has not been altered an any way.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

ACLASS ACCREDITED DoD ELAP

NELAP ACCREDITED LABORATORY TNI

RG
10/17/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100605-06A
Client I.D. Number: MW-21(MID)

Sampled: 10/05/16 15:07
Received: 10/06/16
Extracted: 10/15/16 04:53
Analyzed: 10/15/16 04:53

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	1.2	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	3.2	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	111	(70-130)	%REC
73	Surr: Toluene-d8	96	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	122	(70-130)	%REC

ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

10/17/16
Report Date

Alpha Analytical, Inc.

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ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100605-07A
Client I.D. Number: PW-3

Sampled: 10/05/16 12:33
Received: 10/06/16
Extracted: 10/15/16 05:18
Analyzed: 10/15/16 05:18

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L

	Compound	Concentration	Reporting Limit	
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	114	(70-130)	%REC
73	Surr: Toluene-d8	97	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	113	(70-130)	%REC

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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10/17/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100605-08A
Client I.D. Number: MW-9

Sampled: 10/05/16 13:17
Received: 10/06/16
Extracted: 10/15/16 05:42
Analyzed: 10/15/16 05:42

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	22	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	1.3	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	115	(70-130)	%REC
73	Surr: Toluene-d8	97	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	120	(70-130)	%REC

ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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10/17/16
Report Date

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ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100605-09A
Client I.D. Number: WCW-5

Sampled: 10/05/16 09:16
Received: 10/06/16
Extracted: 10/15/16 06:07
Analyzed: 10/15/16 06:07

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	112	(70-130)	%REC
73	Surr: Toluene-d8	97	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	113	(70-130)	%REC

ND = Not Detected

Roger Scholl Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Statement of Data Authenticity : Alpha Analytical, Inc. attests that the data reported has not been altered an any way.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

ACLASS ACCREDITED DoD ELAP

NELAP ACCREDITED TNI LABORATORY

RJ8

10/17/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100605-10A
Client I.D. Number: MW-20(MID)

Sampled: 10/05/16 09:46
Received: 10/06/16
Extracted: 10/15/16 06:32
Analyzed: 10/15/16 06:32

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	22	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	7.1	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	7.2	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	13	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L

	Compound	Concentration	Reporting Limit	
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	111	(70-130)	%REC
73	Surr: Toluene-d8	96	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	117	(70-130)	%REC

ND = Not Detected

Roger Scholl Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

10/17/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100605-11A
Client I.D. Number: WCW-7

Sampled: 10/05/16 08:01
Received: 10/06/16
Extracted: 10/15/16 06:57
Analyzed: 10/15/16 06:57

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	115	(70-130)	%REC
73	Surr: Toluene-d8	97	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	116	(70-130)	%REC

ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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10/17/16
Report Date

Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100605-12A
Client I.D. Number: WCW-6

Sampled: 10/05/16 08:40
Received: 10/06/16
Extracted: 10/15/16 07:22
Analyzed: 10/15/16 07:22

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	116	(70-130)	%REC
73	Surr: Toluene-d8	95	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	117	(70-130)	%REC

ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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ACLASS ACCREDITED DoD ELAP

NELAP ACCREDITED LABORATORY TNI

Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Statement of Data Authenticity : Alpha Analytical, Inc. attests that the data reported has not been altered an any way.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

RS

10/17/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100605-13A
Client I.D. Number: TB-2

Sampled: 10/05/16 07:15
Received: 10/06/16
Extracted: 10/15/16 02:26
Analyzed: 10/15/16 02:26

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	106	(70-130)	%REC
73	Surr: Toluene-d8	97	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	113	(70-130)	%REC

ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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Statement of Data Authenticity : Alpha Analytical, Inc. attests that the data reported has not been altered an any way.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

ACLASS ACCREDITED DoD ELAP

NELAP ACCREDITED TNI LABORATORY

10/17/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

VOC Sample Preservation Report

Work Order: CHH16100605 **Job:** KMEP DFSP Norwalk

Alpha's Sample ID	Client's Sample ID	Matrix	pH
16100605-01A	MW-7	Aqueous	2
16100605-02A	MW-19(MID)	Aqueous	2
16100605-03A	MW-6	Aqueous	2
16100605-04A	EB-3	Aqueous	2
16100605-05A	GMW-8	Aqueous	2
16100605-06A	MW-21(MID)	Aqueous	2
16100605-07A	PW-3	Aqueous	2
16100605-08A	MW-9	Aqueous	2
16100605-09A	WCW-5	Aqueous	2
16100605-10A	MW-20(MID)	Aqueous	2
16100605-11A	WCW-7	Aqueous	2
16100605-12A	WCW-6	Aqueous	2
16100605-13A	TB-2	Aqueous	2

10/17/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *17-Oct-16*

QC Summary Report

Work Order: 16100605

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B/C Ext**
File ID: **1** Batch ID: **37285** Analysis Date: **10/07/2016 17:46**
Sample ID: **MBLK-37285** Units : **mg/L** Run ID: **MANUAL_161008A** Prep Date: **10/07/2016 12:08**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	ND	0.05								
Surr: Nonane	0.138		0.15		92	35	151			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B/C Ext**
File ID: **2** Batch ID: **37285** Analysis Date: **10/07/2016 18:13**
Sample ID: **LCS-37285** Units : **mg/L** Run ID: **MANUAL_161008A** Prep Date: **10/07/2016 12:08**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.92	0.05	2.5		117	73	135			
Surr: Nonane	0.146		0.15		97	35	151			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B/C Ext**
File ID: **4** Batch ID: **37285** Analysis Date: **10/07/2016 19:06**
Sample ID: **16100605-04AMS** Units : **mg/L** Run ID: **MANUAL_161008A** Prep Date: **10/07/2016 12:08**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.83	0.1	2.5	0	113	64	161			
Surr: Nonane	0.274		0.3		91	33	162			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B/C Ext**
File ID: **5** Batch ID: **37285** Analysis Date: **10/07/2016 19:32**
Sample ID: **16100605-04AMSD** Units : **mg/L** Run ID: **MANUAL_161008A** Prep Date: **10/07/2016 12:08**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.75	0.1	2.5	0	110	64	161	2.825	2.7(40)	
Surr: Nonane	0.257		0.3		86	33	162			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Oil Range Organics (ORO) C22-C40+
Jet Fuel Range Organics (JFRO) C9-C22. JFRO determination is based on its chromatographic fingerprint.
Diesel Range Organics (DRO) C13-C22

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QC Summary Report

Work Order: 16100605

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B/C / SW8260B**
File ID: **41** Batch ID: **MS09W1014B** Analysis Date: **10/15/2016 02:02**
Sample ID: **MBLK MS09W1014A** Units : **mg/L** Run ID: **MANUAL_161014D** Prep Date: **10/15/2016 02:02**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	0.05								
Surr: 1,2-Dichloroethane-d4	0.0105		0.01		105	70	130			
Surr: Toluene-d8	0.0095		0.01		95	70	130			
Surr: 4-Bromofluorobenzene	0.0112		0.01		112	70	130			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B/C / SW8260B**
File ID: **40** Batch ID: **MS09W1014B** Analysis Date: **10/15/2016 00:49**
Sample ID: **GLCS MS09W1014B** Units : **mg/L** Run ID: **MANUAL_161014D** Prep Date: **10/15/2016 00:49**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	0.438	0.05	0.4		110	70	130			
Surr: 1,2-Dichloroethane-d4	0.0104		0.01		104	70	130			
Surr: Toluene-d8	0.00985		0.01		99	70	130			
Surr: 4-Bromofluorobenzene	0.0111		0.01		111	70	130			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B/C / SW8260B**
File ID: **55** Batch ID: **MS09W1014B** Analysis Date: **10/15/2016 08:34**
Sample ID: **16100605-01AGS** Units : **mg/L** Run ID: **MANUAL_161014D** Prep Date: **10/15/2016 08:34**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.83	0.25	2	0	91	46	167			
Surr: 1,2-Dichloroethane-d4	0.0565		0.05		113	70	130			
Surr: Toluene-d8	0.0478		0.05		96	70	130			
Surr: 4-Bromofluorobenzene	0.0598		0.05		120	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B/C / SW8260B**
File ID: **56** Batch ID: **MS09W1014B** Analysis Date: **10/15/2016 08:59**
Sample ID: **16100605-01AGSD** Units : **mg/L** Run ID: **MANUAL_161014D** Prep Date: **10/15/2016 08:59**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.64	0.25	2	0	82	54	143	1.825	10.7(23)	
Surr: 1,2-Dichloroethane-d4	0.0537		0.05		107	70	130			
Surr: Toluene-d8	0.0488		0.05		98	70	130			
Surr: 4-Bromofluorobenzene	0.058		0.05		116	70	130			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Gasoline Range Organics (GRO) C4-C13
Aeronautic Gas Range Orgnics (AGRO) C4-C10

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QC Summary Report

Work Order: 16100605

Method Blank Type **MBLK** Test Code: **EPA Method SW8260B**

File ID: **2** Batch ID: **MS09W1014A** Analysis Date: **10/15/2016 02:02**

Sample ID: **MBLK MS09W1014A** Units : **µg/L** Run ID: **MANUAL_161014D** Prep Date: **10/15/2016 02:02**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	ND	1								
Chloromethane	ND	2								
Vinyl chloride	ND	0.5								
Chloroethane	ND	1								
Bromomethane	ND	2								
Trichlorofluoromethane	ND	10								
Acetone	ND	10								
1,1-Dichloroethene	ND	1								
Tertiary Butyl Alcohol (TBA)	ND	10								
Dichloromethane	ND	5								
Freon-113	ND	10								
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	0.5								
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	10								
cis-1,3-Dichloropropene	ND	0.5								
trans-1,3-Dichloropropene	ND	0.5								
1,1,2-Trichloroethane	ND	1								
Toluene	ND	0.5								
1,3-Dichloropropane	ND	1								
2-Hexanone	ND	5								
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								
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								

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n-Butylbenzene	ND	1				
1,2-Dibromo-3-chloropropane (DBCP)	ND	5				
1,2,4-Trichlorobenzene	ND	2				
Naphthalene	ND	10				
1,2,3-Trichlorobenzene	ND	2				
Xylenes, Total	ND	0.5				
Surr: 1,2-Dichloroethane-d4	10.5		10	105	70	130
Surr: Toluene-d8	9.5		10	95	70	130
Surr: 4-Bromofluorobenzene	11.2		10	112	70	130

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QC Summary Report

Work Order: 16100605

Laboratory Control Spike Type **LCS** Test Code: **EPA Method SW8260B**
File ID: **1** Batch ID: **MS09W1014A** Analysis Date: **10/15/2016 00:00**
Sample ID: **LCS MS09W1014A** Units : **µg/L** Run ID: **MANUAL_161014D** Prep Date: **10/15/2016 00:00**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	4.57	1	10		46	32	145			
Chloromethane	9.93	2	10		99	40	145			
Vinyl chloride	9.96	1	10		99.6	70	130			
Chloroethane	10.6	1	10		106	38	156			
Bromomethane	7.64	2	10		76	13	162			
Trichlorofluoromethane	11.1	1	10		111	46	154			
Acetone	230	10	200		115	22	188			
1,1-Dichloroethene	10.4	1	10		104	70	130			
Tertiary Butyl Alcohol (TBA)	126	10	100		126	48	148			
Dichloromethane	9.51	2	10		95	69	130			
Freon-113	11.5	1	10		115	70	136			
trans-1,2-Dichloroethene	9.85	1	10		99	70	130			
Methyl tert-butyl ether (MTBE)	8.99	0.5	10		90	63	137			
1,1-Dichloroethane	9.71	1	10		97	70	130			
2-Butanone (MEK)	206	10	200		103	26	183			
Di-isopropyl Ether (DIPE)	9.71	1	10		97	69	133			
cis-1,2-Dichloroethene	10	1	10		100	70	130			
Bromochloromethane	9.92	1	10		99	70	133			
Chloroform	9.89	1	10		99	70	130			
Ethyl Tertiary Butyl Ether (ETBE)	10	1	10		100	66	135			
2,2-Dichloropropane	8.41	1	10		84	70	149			
1,2-Dichloroethane	10.1	1	10		101	70	133			
1,1,1-Trichloroethane	10.4	1	10		104	70	135			
1,1-Dichloropropene	10.4	1	10		104	70	130			
Carbon tetrachloride	10.8	1	10		108	63	143			
Benzene	9.75	0.5	10		98	70	130			
Tertiary Amyl Methyl Ether (TAME)	10.1	1	10		101	70	133			
Dibromomethane	9.6	1	10		96	70	130			
1,2-Dichloropropane	9.89	1	10		99	70	130			
Trichloroethene	10.1	1	10		101	68	138			
Bromodichloromethane	9.69	1	10		97	58	147			
4-Methyl-2-pentanone (MIBK)	26.4	2.5	25		106	59	140			
cis-1,3-Dichloropropene	9.42	1	10		94	70	130			
trans-1,3-Dichloropropene	8.96	1	10		90	70	131			
1,1,2-Trichloroethane	8.91	1	10		89	70	130			
Toluene	9.59	0.5	10		96	70	130			
1,3-Dichloropropane	9.18	1	10		92	70	130			
2-Hexanone	99.7	5	100		99.7	48	157			
Dibromochloromethane	9.3	1	10		93	49	147			
1,2-Dibromoethane (EDB)	18	2	20		90	70	131			
Tetrachloroethene	11	1	10		110	70	130			
1,1,1,2-Tetrachloroethane	9.4	1	10		94	70	130			
Chlorobenzene	8.8	1	10		88	70	130			
Ethylbenzene	9.53	0.5	10		95	70	130			
m,p-Xylene	9.57	0.5	10		96	65	139			
Bromoform	9.88	1	10		99	60	144			
Styrene	8.51	1	10		85	55	144			
o-Xylene	9.36	0.5	10		94	70	130			
1,1,2,2-Tetrachloroethane	9.3	1	10		93	70	130			
1,2,3-Trichloropropane	18.7	2	20		94	70	130			
Isopropylbenzene	10.1	1	10		101	69	136			
Bromobenzene	9.18	1	10		92	70	130			
n-Propylbenzene	9.37	1	10		94	70	132			
4-Chlorotoluene	9.55	1	10		96	70	132			
2-Chlorotoluene	9.31	1	10		93	70	130			
1,3,5-Trimethylbenzene	9.87	1	10		99	70	134			
tert-Butylbenzene	9.82	1	10		98	63	139			
1,2,4-Trimethylbenzene	10.1	1	10		101	70	133			
sec-Butylbenzene	9.75	1	10		98	70	132			
1,3-Dichlorobenzene	9.18	1	10		92	70	130			
1,4-Dichlorobenzene	9.24	1	10		92	70	130			
4-Isopropyltoluene	10.3	1	10		103	40	161			
1,2-Dichlorobenzene	8.9	1	10		89	70	130			
n-Butylbenzene	9.3	1	10		93	69	134			
1,2-Dibromo-3-chloropropane (DBCP)	43.3	3	50		87	67	130			

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1,2,4-Trichlorobenzene	7.59	2	10	76	62	131
Naphthalene	5.92	2	10	59	39	149
1,2,3-Trichlorobenzene	5.78	2	10	58	54	135
Xylenes, Total	18.9	0.5	20	95	70	130
Surr: 1,2-Dichloroethane-d4	10.5		10	105	70	130
Surr: Toluene-d8	9.75		10	98	70	130
Surr: 4-Bromofluorobenzene	11.2		10	112	70	130

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QC Summary Report

Work Order: 16100605

Sample Matrix Spike Type **MS** Test Code: **EPA Method SW8260B**
File ID: **16** Batch ID: **MS09W1014A** Analysis Date: **10/15/2016 07:46**
Sample ID: **16100605-01AMS** Units : **µg/L** Run ID: **MANUAL_161014D** Prep Date: **10/15/2016 07:46**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	26.6	2.5	50	0	53	12	150			
Chloromethane	39.6	10	50	0	79	26	146			
Vinyl chloride	40	2.5	50	0	80	46	142			
Chloroethane	54.2	2.5	50	0	108	25	164			
Bromomethane	20.2	10	50	0	40	10	172			
Trichlorofluoromethane	45.9	2.5	50	0	92	32	164			
Acetone	1130	50	1000	0	113	10	188			
1,1-Dichloroethene	44.4	2.5	50	0	89	62	133			
Tertiary Butyl Alcohol (TBA)	650	25	500	0	130	44	155			
Dichloromethane	47.9	10	50	0	96	69	130			
Freon-113	43.6	2.5	50	0	87	56	144			
trans-1,2-Dichloroethene	46.4	2.5	50	0	93	67	131			
Methyl tert-butyl ether (MTBE)	46.8	1.3	50	0	94	56	140			
1,1-Dichloroethane	51.9	2.5	50	0	104	67	130			
2-Butanone (MEK)	1060	50	1000	0	106	26	183			
Di-isopropyl Ether (DIPE)	56	2.5	50	0	112	59	138			
cis-1,2-Dichloroethene	50.4	2.5	50	0	101	70	130			
Bromochloromethane	47.9	2.5	50	0	96	70	134			
Chloroform	52.5	2.5	50	0	105	69	130			
Ethyl Tertiary Butyl Ether (ETBE)	54	2.5	50	0	108	62	135			
2,2-Dichloropropane	31.5	2.5	50	0	63	44	149			
1,2-Dichloroethane	59.8	2.5	50	1.05	118	64	139			
1,1,1-Trichloroethane	50.4	2.5	50	0	101	65	139			
1,1-Dichloropropene	46.9	2.5	50	0	94	68	134			
Carbon tetrachloride	48.9	2.5	50	0	98	56	146			
Benzene	48.8	1.3	50	0	98	67	134			
Tertiary Amyl Methyl Ether (TAME)	53.7	2.5	50	0	107	64	135			
Dibromomethane	51.9	2.5	50	0	104	70	132			
1,2-Dichloropropane	54.2	2.5	50	0	108	69	134			
Trichloroethene	45.3	2.5	50	0	91	68	138			
Bromodichloromethane	53.3	2.5	50	0	107	58	147			
4-Methyl-2-pentanone (MIBK)	148	13	125	0	118	49	140			
cis-1,3-Dichloropropene	44.2	2.5	50	0	88	61	130			
trans-1,3-Dichloropropene	42.8	2.5	50	0	86	62	131			
1,1,2-Trichloroethane	43.5	2.5	50	0	87	70	131			
Toluene	46.1	1.3	50	0	92	38	130			
1,3-Dichloropropane	44.5	2.5	50	0	89	70	130			
2-Hexanone	525	25	500	0	105	25	157			
Dibromochloromethane	45.4	2.5	50	0	91	49	147			
1,2-Dibromoethane (EDB)	86.9	5	100	0	87	70	131			
Tetrachloroethene	41.5	2.5	50	0	83	63	134			
1,1,1,2-Tetrachloroethane	43.1	2.5	50	0	86	70	133			
Chlorobenzene	38.6	2.5	50	0	77	70	130			
Ethylbenzene	39.4	1.3	50	0	79	70	130			
m,p-Xylene	39.6	1.3	50	0	79	65	139			
Bromoform	44.4	2.5	50	0	89	60	144			
Styrene	36.6	2.5	50	0	73	53	144			
o-Xylene	39.9	1.3	50	0	80	69	130			
1,1,2,2-Tetrachloroethane	49.3	2.5	50	0	99	67	134			
1,2,3-Trichloropropane	100	10	100	0	100	70	130			
Isopropylbenzene	39	2.5	50	0	78	64	136			
Bromobenzene	38.7	2.5	50	0	77	69	130			
n-Propylbenzene	36.5	2.5	50	0	73	65	132			
4-Chlorotoluene	40.5	2.5	50	0	81	69	132			
2-Chlorotoluene	40.1	2.5	50	0	80	69	130			
1,3,5-Trimethylbenzene	42	2.5	50	0	84	64	135			
tert-Butylbenzene	38.4	2.5	50	0	77	63	139			
1,2,4-Trimethylbenzene	43.1	2.5	50	0	86	62	135			
sec-Butylbenzene	35.9	2.5	50	0	72	68	132			
1,3-Dichlorobenzene	39.6	2.5	50	0	79	70	130			
1,4-Dichlorobenzene	40	2.5	50	0	80	70	130			
4-Isopropyltoluene	39.3	2.5	50	0	79	40	161			
1,2-Dichlorobenzene	40.3	2.5	50	0	81	70	130			
n-Butylbenzene	35.8	2.5	50	0	72	58	135			
1,2-Dibromo-3-chloropropane (DBCP)	216	15	250	0	86	63	131			

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1,2,4-Trichlorobenzene	32	10	50	0	64	57	134	
Naphthalene	29	10	50	0	58	31	157	
1,2,3-Trichlorobenzene	25.4	10	50	0	51	52	138	M2
Xylenes, Total	79.5	1.3	100	0	80	70	130	
Surr: 1,2-Dichloroethane-d4	59.5		50		119	70	130	
Surr: Toluene-d8	45.3		50		91	70	130	
Surr: 4-Bromofluorobenzene	55		50		110	70	130	

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *17-Oct-16*

QC Summary Report

Work Order: 16100605

Sample Matrix Spike Duplicate Type **MSD** Test Code: **EPA Method SW8260B**
File ID: **17** Batch ID: **MS09W1014A** Analysis Date: **10/15/2016 08:10**
Sample ID: **16100605-01AMSD** Units : **µg/L** Run ID: **MANUAL_161014D** Prep Date: **10/15/2016 08:10**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	25.5	2.5	50	0	51	12	150	26.63	4.5(38)	
Chloromethane	39.1	10	50	0	78	26	146	39.63	1.4(31)	
Vinyl chloride	38.7	2.5	50	0	77	46	142	39.98	3.4(25)	
Chloroethane	52.8	2.5	50	0	106	25	164	54.23	2.8(40)	
Bromomethane	28.8	10	50	0	58	10	172	20.19	35.2(40)	
Trichlorofluoromethane	44.6	2.5	50	0	89	32	164	45.91	2.8(34)	
Acetone	1150	50	1000	0	115	10	188	1132	1.5(39)	
1,1-Dichloroethene	43.5	2.5	50	0	87	62	133	44.35	2.0(35)	
Tertiary Butyl Alcohol (TBA)	664	25	500	0	133	44	155	649.8	2.1(33)	
Dichloromethane	46.6	10	50	0	93	69	130	47.92	2.7(26)	
Freon-113	44.1	2.5	50	0	88	56	144	43.6	1.1(40)	
trans-1,2-Dichloroethene	45	2.5	50	0	90	67	131	46.42	3.1(27)	
Methyl tert-butyl ether (MTBE)	47.1	1.3	50	0	94	56	140	46.79	0.6(40)	
1,1-Dichloroethane	50.6	2.5	50	0	101	67	130	51.9	2.5(20)	
2-Butanone (MEK)	1050	50	1000	0	105	26	183	1060	0.6(22)	
Di-isopropyl Ether (DIPE)	55.5	2.5	50	0	111	59	138	55.98	0.8(20)	
cis-1,2-Dichloroethene	49.5	2.5	50	0	99	70	130	50.39	1.7(20)	
Bromochloromethane	48.2	2.5	50	0	96	70	134	47.85	0.7(20)	
Chloroform	51.9	2.5	50	0	104	69	130	52.53	1.2(22)	
Ethyl Tertiary Butyl Ether (ETBE)	53.8	2.5	50	0	108	62	135	54	0.3(40)	
2,2-Dichloropropane	29.9	2.5	50	0	60	44	149	31.54	5.3(23)	
1,2-Dichloroethane	58.6	2.5	50	1.05	115	64	139	59.8	2.0(20)	
1,1,1-Trichloroethane	49.3	2.5	50	0	99	65	139	50.35	2.1(20)	
1,1-Dichloropropene	46.3	2.5	50	0	93	68	134	46.89	1.4(20)	
Carbon tetrachloride	48	2.5	50	0	96	56	146	48.85	1.8(21)	
Benzene	47.2	1.3	50	0	94	67	134	48.81	3.3(21)	
Tertiary Amyl Methyl Ether (TAME)	53.6	2.5	50	0	107	64	135	53.66	0.2(31)	
Dibromomethane	51.6	2.5	50	0	103	70	132	51.86	0.5(20)	
1,2-Dichloropropane	52.7	2.5	50	0	105	69	134	54.2	2.8(20)	
Trichloroethene	44.5	2.5	50	0	89	68	138	45.34	1.9(20)	
Bromodichloromethane	51.8	2.5	50	0	104	58	147	53.27	2.8(20)	
4-Methyl-2-pentanone (MIBK)	149	13	125	0	119	49	140	147.9	1.0(24)	
cis-1,3-Dichloropropene	43	2.5	50	0	86	61	130	44.2	2.8(20)	
trans-1,3-Dichloropropene	43	2.5	50	0	86	62	131	42.82	0.4(21)	
1,1,2-Trichloroethane	44.2	2.5	50	0	88	70	131	43.53	1.4(20)	
Toluene	44.2	1.3	50	0	88	38	130	46.09	4.2(20)	
1,3-Dichloropropane	46.8	2.5	50	0	94	70	130	44.5	5.0(20)	
2-Hexanone	544	25	500	0	109	25	157	525.3	3.5(23)	
Dibromochloromethane	46.4	2.5	50	0	93	49	147	45.37	2.3(20)	
1,2-Dibromoethane (EDB)	89.3	5	100	0	89	70	131	86.92	2.7(20)	
Tetrachloroethene	42.6	2.5	50	0	85	63	134	41.47	2.8(20)	
1,1,1,2-Tetrachloroethane	44.2	2.5	50	0	88	70	133	43.06	2.6(20)	
Chlorobenzene	38.7	2.5	50	0	77	70	130	38.62	0.2(20)	
Ethylbenzene	41.2	1.3	50	0	82	70	130	39.36	4.7(20)	
m,p-Xylene	40.4	1.3	50	0	81	65	139	39.6	2.0(20)	
Bromoform	46.4	2.5	50	0	93	60	144	44.37	4.4(21)	
Styrene	37.5	2.5	50	0	75	53	144	36.63	2.3(31)	
o-Xylene	40.8	1.3	50	0	82	69	130	39.9	2.3(20)	
1,1,2,2-Tetrachloroethane	50	2.5	50	0	100	67	134	49.27	1.4(20)	
1,2,3-Trichloropropane	101	10	100	0	101	70	130	100.4	0.9(20)	
Isopropylbenzene	41.7	2.5	50	0	83	64	136	39.01	6.7(20)	
Bromobenzene	39.2	2.5	50	0	78	69	130	38.69	1.3(20)	
n-Propylbenzene	39	2.5	50	0	78	65	132	36.51	6.5(40)	
4-Chlorotoluene	41.2	2.5	50	0	82	69	132	40.49	1.7(20)	
2-Chlorotoluene	41.2	2.5	50	0	82	69	130	40.13	2.7(20)	
1,3,5-Trimethylbenzene	43.4	2.5	50	0	87	64	135	41.98	3.4(21)	
tert-Butylbenzene	41.7	2.5	50	0	83	63	139	38.41	8.1(20)	
1,2,4-Trimethylbenzene	44.5	2.5	50	0	89	62	135	43.07	3.2(24)	
sec-Butylbenzene	39.2	2.5	50	0	78	68	132	35.85	9.0(20)	
1,3-Dichlorobenzene	39.6	2.5	50	0	79	70	130	39.64	0.1(20)	
1,4-Dichlorobenzene	39.9	2.5	50	0	80	70	130	39.98	0.1(20)	
4-Isopropyltoluene	42.6	2.5	50	0	85	40	161	39.28	8.1(22)	
1,2-Dichlorobenzene	40.6	2.5	50	0	81	70	130	40.29	0.9(20)	
n-Butylbenzene	39	2.5	50	0	78	58	135	35.78	8.7(24)	
1,2-Dibromo-3-chloropropane (DBCP)	225	15	250	0	90	63	131	216.2	3.8(29)	

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QC Summary Report

Work Order: 16100605

1,2,4-Trichlorobenzene	39.4	10	50	0	79	57	134	32.01	20.6(30)	
Naphthalene	40.9	10	50	0	82	31	157	28.95	34.3(40)	
1,2,3-Trichlorobenzene	42.4	10	50	0	85	52	138	25.4	50.0(39)	R5
Xylenes, Total	81.2	1.3	100	0	81	70	130	79.5	2.1(22)	
Surr: 1,2-Dichloroethane-d4	56.4		50		113	70	130			
Surr: Toluene-d8	45.7		50		91	70	130			
Surr: 4-Bromofluorobenzene	56.2		50		112	70	130			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

R5 = MS/MSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

M2 = Matrix spike recovery was low, the method control sample recovery was acceptable.

Per client request, all 8010 analytes were added together and reported out as Total Halogens.

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Billing Information :

CHAIN-OF-CUSTODY RECORD

CA

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : CHHL16100605
Report Due By : 5:00 PM On : 17-Oct-16

Client:
CH2M Hill
1000 Wilshire Boulevard
21st Floor
Los Angeles, CA 90017

Report Attention	Phone Number	EMail Address
Daniel Jablonski	(213) 228-8271 x	daniel.jablonski@ch2m.com
Matthew Mayry	(213) 228-8271 x	matthew.mayry@ch2m.com

EDD Required : **Yes**

Sampled by : Daniel Mosso

PO :

Client's COC # : none   Job : KMEP DFSP Norwalk

Cooler Temp	Samples Received	Date Printed
1 °C	06-Oct-16	06-Oct-16

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	No. of Bottles Sub	TAT	Requested Tests: TPH/E_W	TPH/P_W	VOC_W						Sample Remarks
CHH16100605-01A	MW-7	AQ	10/05/16 11:37	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100605-02A	MW-19(MID)	AQ	10/05/16 10:55	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100605-03A	MW-6	AQ	10/05/16 10:17	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100605-04A	EB-3	AQ	10/05/16 15:25	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100605-05A	GMW-8	AQ	10/05/16 14:20	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100605-06A	MW-21(MID)	AQ	10/05/16 15:07	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100605-07A	PW-3	AQ	10/05/16 12:33	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100605-08A	MW-9	AQ	10/05/16 13:17	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						

Comments: Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. :

	Signature	Print Name	Company	Date/Time
Logged in by:	[signature]	MeghanC.	Alpha Analytical, Inc.	10/6/16 1245

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.
The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other)   Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : CHHL16100605
Report Due By : 5:00 PM On : 17-Oct-16

Client:
CH2M Hill
1000 Wilshire Boulevard
21st Floor
Los Angeles, CA 90017

Report Attention	Phone Number	EMail Address
Daniel Jablonski	(213) 228-8271 x	daniel.jablonski@ch2m.com
Matthew Mayry	(213) 228-8271 x	matthew.mayry@ch2m.com

EDD Required : **Yes**

Sampled by : Daniel Mosso

Cooler Temp	Samples Received	Date Printed
1 °C	06-Oct-16	06-Oct-16

PO :

Client's COC # : none Job : KMEP DFSP Norwalk

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	No. of Bottles Sub	TAT	Requested Tests TPH/E_W	TPH/P_W	VOC_W						Sample Remarks
CHH16100605-09A	WCW-5	AQ	10/05/16 09:16	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100605-10A	MW-20(MID)	AQ	10/05/16 09:46	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100605-11A	WCW-7	AQ	10/05/16 08:01	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100605-12A	WCW-6	AQ	10/05/16 08:40	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100605-13A	TB-2	AQ	10/05/16 07:15	2	0	7			TPHE(0.05) +Vinyl acetate						Reno TB 7/29/16

Comments: Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. :

	Signature	Print Name	Company	Date/Time
Logged in by:	[signature]	MeghanC	Alpha Analytical, Inc.	10/6/16 1245

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

LAB Alpha Analytical COC 1 of 2

Billing Information:
Kinder Morgan
1100 Town and CountryRd.
Orange CA 95112

Kinder Morgan Norwalk
Report to:
Dan Jablonski
CH2MHILL
1000 Wilshire Blvd 21st floor
Los Angeles, CA 90017

CHAIN OF CUSTODY

CLIENT Kinder Morgan

SITE DFSP Norwalk
15306 Norwalk Blvd, Norwalk

CONDUCT ANALYSIS TO DETECT

SAMPLE I.D.	DATE	TIME	MATRIX AQ= Water	CONTAINERS #	Preservation	Type	TPHg, TPHd (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
MW-7	10/5/16	1137	AQ	6	HCl	VOA	X	X							CHH1610060	5-01		
MW-19(MID)		1055														02		
MW-6		1017														03		
EB-3		1525														04		
GMW-8		1420														05		
MW-21(MID)		1507														06		
PW-3		1233														07		
MW-9		1317														08		
WCW-5 ~~MW-5~~		0916														09		
MW-20(MID)		0946														10		

SAMPLING COMPLETED DATE 10/5/16 TIME 1600
SAMPLING PERFORMED BY Darrel Masse
RESULTS NEEDED NO LATER THAN Standard

RELEASED BY	TIME	RECEIVED BY	DATE	TIME
[signature]	1600	[signature]	10/5/16	1600
[signature]		[signature]	10-5-16	1700
		[signature]	10/6/16	1215

SHIPPED VIA	TIME SENT	COOLER #

BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

LAB Alpha Analytical COC 2 of 2

Billing Information:
Kinder Morgan
1100 Town and CountryRd.
Orange CA 95112

Kinder Morgan Norwalk
Report to:
Dan Jablonski
CH2MHILL
1000 Wilshire Blvd 21st floor
Los Angeles, CA 90017

CHAIN OF CUSTODY

CLIENT: Kinder Morgan

SITE: DFSP Norwalk

15306 Norwalk Blvd, Norwalk

SAMPLE I.D.	DATE	TIME	MATRIX AQ= Water	CONTAINERS #	Preservation	Type	TPHg, TPHd (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)						ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
WCW-7	10/5/16	0801	AQ.	6	voa	HCl	X	X						CHH16100605-01			
WCW-6	↓	0840	↓	6	↓	↓	X	X						↓	12		
TB-2	↓	0715	↓	2	↓			X							13		

SAMPLING COMPLETED DATE 10/5/16 TIME 1600

SAMPLING PERFORMED BY Rosso

RESULTS NEEDED NO LATER THAN Standard

RELEASED BY	TIME	RECEIVED BY	DATE	TIME
	1600		10/5/16	1600
			10-5-16	1700
			10/6/16	1215

SHIPPED VIA | TIME SENT | COOLER #

Alpha Analytical, Inc.
255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135
Date Received : 10/06/16

Job: KMEP DFSP Norwalk

Total Petroleum Hydrocarbons - Extractable (TPH-E) EPA Method SW8015B
Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B / SW8260B

		Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID :	**GMW-39**					
Lab ID :	CHH16100608-01A	TPH-E (DRO)	ND	0.050 mg/L	10/07/16 11:35	10/07/16 17:26
Date Sampled	10/05/16 07:20	Surr: Nonane	101	(53-145) %REC	10/07/16 11:35	10/07/16 17:26
		TPH-P (GRO)	ND	0.050 mg/L	10/12/16 14:21	10/12/16 14:21
		Surr: 1,2-Dichloroethane-d4	109	(70-130) %REC	10/12/16 14:21	10/12/16 14:21
		Surr: Toluene-d8	99	(70-130) %REC	10/12/16 14:21	10/12/16 14:21
		Surr: 4-Bromofluorobenzene	106	(70-130) %REC	10/12/16 14:21	10/12/16 14:21
Client ID :	**MW-12**					
Lab ID :	CHH16100608-02A	TPH-E (DRO)	ND	0.050 mg/L	10/07/16 11:35	10/07/16 17:52
Date Sampled	10/05/16 08:05	Surr: Nonane	95	(53-145) %REC	10/07/16 11:35	10/07/16 17:52
		TPH-P (GRO)	ND	0.050 mg/L	10/12/16 14:45	10/12/16 14:45
		Surr: 1,2-Dichloroethane-d4	108	(70-130) %REC	10/12/16 14:45	10/12/16 14:45
		Surr: Toluene-d8	100	(70-130) %REC	10/12/16 14:45	10/12/16 14:45
		Surr: 4-Bromofluorobenzene	109	(70-130) %REC	10/12/16 14:45	10/12/16 14:45
Client ID :	**GMW-O-3**					
Lab ID :	CHH16100608-03A	TPH-E (DRO)	ND	0.050 mg/L	10/07/16 11:35	10/07/16 18:19
Date Sampled	10/05/16 08:50	Surr: Nonane	89	(53-145) %REC	10/07/16 11:35	10/07/16 18:19
		TPH-P (GRO)	ND	0.050 mg/L	10/12/16 15:09	10/12/16 15:09
		Surr: 1,2-Dichloroethane-d4	107	(70-130) %REC	10/12/16 15:09	10/12/16 15:09
		Surr: Toluene-d8	100	(70-130) %REC	10/12/16 15:09	10/12/16 15:09
		Surr: 4-Bromofluorobenzene	113	(70-130) %REC	10/12/16 15:09	10/12/16 15:09
Client ID :	**GMW-O-4**					
Lab ID :	CHH16100608-04A	TPH-E (DRO)	ND	0.050 mg/L	10/07/16 11:35	10/07/16 18:45
Date Sampled	10/05/16 09:30	Surr: Nonane	96	(53-145) %REC	10/07/16 11:35	10/07/16 18:45
		TPH-P (GRO)	ND	0.050 mg/L	10/12/16 15:32	10/12/16 15:32
		Surr: 1,2-Dichloroethane-d4	109	(70-130) %REC	10/12/16 15:32	10/12/16 15:32
		Surr: Toluene-d8	99	(70-130) %REC	10/12/16 15:32	10/12/16 15:32
		Surr: 4-Bromofluorobenzene	111	(70-130) %REC	10/12/16 15:32	10/12/16 15:32
Client ID :	**GMW-SF-8**					
Lab ID :	CHH16100608-05A	TPH-E (DRO)	ND	0.050 mg/L	10/07/16 11:35	10/07/16 19:11
Date Sampled	10/05/16 10:20	Surr: Nonane	96	(53-145) %REC	10/07/16 11:35	10/07/16 19:11
		TPH-P (GRO)	ND	0.050 mg/L	10/12/16 15:56	10/12/16 15:56
		Surr: 1,2-Dichloroethane-d4	111	(70-130) %REC	10/12/16 15:56	10/12/16 15:56
		Surr: Toluene-d8	98	(70-130) %REC	10/12/16 15:56	10/12/16 15:56
		Surr: 4-Bromofluorobenzene	109	(70-130) %REC	10/12/16 15:56	10/12/16 15:56
Client ID :	**MW-8**					
Lab ID :	CHH16100608-06A	TPH-E (DRO)	ND	0.050 mg/L	10/07/16 11:35	10/07/16 19:37
Date Sampled	10/05/16 11:22	Surr: Nonane	97	(53-145) %REC	10/07/16 11:35	10/07/16 19:37
		TPH-P (GRO)	ND	0.050 mg/L	10/12/16 16:19	10/12/16 16:19
		Surr: 1,2-Dichloroethane-d4	110	(70-130) %REC	10/12/16 16:19	10/12/16 16:19
		Surr: Toluene-d8	99	(70-130) %REC	10/12/16 16:19	10/12/16 16:19
		Surr: 4-Bromofluorobenzene	113	(70-130) %REC	10/12/16 16:19	10/12/16 16:19

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Client ID :	**GMW-SF-7**					
Lab ID :	CHH16100608-07A	TPH-E (DRO)	ND	0.050 mg/L	10/07/16 11:35	10/07/16 20:03
Date Sampled	10/05/16 11:59	Surr: Nonane	98	(53-145) %REC	10/07/16 11:35	10/07/16 20:03
		TPH-P (GRO)	ND	0.050 mg/L	10/12/16 16:43	10/12/16 16:43
		Surr: 1,2-Dichloroethane-d4	110	(70-130) %REC	10/12/16 16:43	10/12/16 16:43
		Surr: Toluene-d8	98	(70-130) %REC	10/12/16 16:43	10/12/16 16:43
		Surr: 4-Bromofluorobenzene	111	(70-130) %REC	10/12/16 16:43	10/12/16 16:43
Client ID :	**GMW-O-9**					
Lab ID :	CHH16100608-08A	TPH-E (DRO)	ND	0.050 mg/L	10/07/16 11:35	10/07/16 22:41
Date Sampled	10/05/16 12:45	Surr: Nonane	96	(53-145) %REC	10/07/16 11:35	10/07/16 22:41
		TPH-P (GRO)	ND	0.050 mg/L	10/12/16 17:07	10/12/16 17:07
		Surr: 1,2-Dichloroethane-d4	113	(70-130) %REC	10/12/16 17:07	10/12/16 17:07
		Surr: Toluene-d8	98	(70-130) %REC	10/12/16 17:07	10/12/16 17:07
		Surr: 4-Bromofluorobenzene	111	(70-130) %REC	10/12/16 17:07	10/12/16 17:07
Client ID :	**HL-2**					
Lab ID :	CHH16100608-09A	TPH-E (DRO)	ND	0.050 mg/L	10/07/16 11:35	10/07/16 23:08
Date Sampled	10/05/16 13:30	Surr: Nonane	93	(53-145) %REC	10/07/16 11:35	10/07/16 23:08
		TPH-P (GRO)	ND	0.050 mg/L	10/12/16 17:30	10/12/16 17:30
		Surr: 1,2-Dichloroethane-d4	112	(70-130) %REC	10/12/16 17:30	10/12/16 17:30
		Surr: Toluene-d8	98	(70-130) %REC	10/12/16 17:30	10/12/16 17:30
		Surr: 4-Bromofluorobenzene	113	(70-130) %REC	10/12/16 17:30	10/12/16 17:30
Client ID :	**GMW-O-19**					
Lab ID :	CHH16100608-10A	TPH-E (DRO)	ND	0.050 mg/L	10/07/16 11:35	10/07/16 23:34
Date Sampled	10/05/16 14:45	Surr: Nonane	98	(53-145) %REC	10/07/16 11:35	10/07/16 23:34
		TPH-P (GRO)	ND	0.050 mg/L	10/12/16 17:54	10/12/16 17:54
		Surr: 1,2-Dichloroethane-d4	112	(70-130) %REC	10/12/16 17:54	10/12/16 17:54
		Surr: Toluene-d8	98	(70-130) %REC	10/12/16 17:54	10/12/16 17:54
		Surr: 4-Bromofluorobenzene	111	(70-130) %REC	10/12/16 17:54	10/12/16 17:54
Client ID :	**GMW-O-16**					
Lab ID :	CHH16100608-11A	TPH-E (DRO)	ND	0.050 mg/L	10/07/16	10/08/16
Date Sampled	10/05/16 15:30	Surr: Nonane	99	(53-145) %REC	10/07/16	10/08/16
		TPH-P (GRO)	ND	0.050 mg/L	10/12/16 18:18	10/12/16 18:18
		Surr: 1,2-Dichloroethane-d4	112	(70-130) %REC	10/12/16 18:18	10/12/16 18:18
		Surr: Toluene-d8	98	(70-130) %REC	10/12/16 18:18	10/12/16 18:18
		Surr: 4-Bromofluorobenzene	111	(70-130) %REC	10/12/16 18:18	10/12/16 18:18
Client ID :	**EB-2**					
Lab ID :	CHH16100608-12A	TPH-E (DRO)	ND	0.050 mg/L	10/07/16 11:35	10/07/16 16:07
Date Sampled	10/05/16 15:40	Surr: Nonane	103	(53-145) %REC	10/07/16 11:35	10/07/16 16:07
		TPH-P (GRO)	ND	0.050 mg/L	10/12/16 18:41	10/12/16 18:41
		Surr: 1,2-Dichloroethane-d4	118	(70-130) %REC	10/12/16 18:41	10/12/16 18:41
		Surr: Toluene-d8	102	(70-130) %REC	10/12/16 18:41	10/12/16 18:41
		Surr: 4-Bromofluorobenzene	107	(70-130) %REC	10/12/16 18:41	10/12/16 18:41
Client ID :	**DUP-1**					
Lab ID :	CHH16100608-13A	TPH-E (DRO)	ND	0.050 mg/L	10/07/16 11:35	10/08/16 00:27
Date Sampled	10/05/16 00:00	Surr: Nonane	103	(53-145) %REC	10/07/16 11:35	10/08/16 00:27
		TPH-P (GRO)	ND	0.050 mg/L	10/12/16 19:05	10/12/16 19:05
		Surr: 1,2-Dichloroethane-d4	117	(70-130) %REC	10/12/16 19:05	10/12/16 19:05
		Surr: Toluene-d8	102	(70-130) %REC	10/12/16 19:05	10/12/16 19:05
		Surr: 4-Bromofluorobenzene	113	(70-130) %REC	10/12/16 19:05	10/12/16 19:05
Client ID :	**DUP-2**					
Lab ID :	CHH16100608-14A	TPH-E (DRO)	ND	0.050 mg/L	10/07/16 11:35	10/08/16 00:53
Date Sampled	10/05/16 00:00	Surr: Nonane	97	(53-145) %REC	10/07/16 11:35	10/08/16 00:53
		TPH-P (GRO)	ND	0.050 mg/L	10/12/16 19:29	10/12/16 19:29
		Surr: 1,2-Dichloroethane-d4	115	(70-130) %REC	10/12/16 19:29	10/12/16 19:29
		Surr: Toluene-d8	99	(70-130) %REC	10/12/16 19:29	10/12/16 19:29
		Surr: 4-Bromofluorobenzene	114	(70-130) %REC	10/12/16 19:29	10/12/16 19:29

Alpha Analytical, Inc.
255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Diesel Range Organics (DRO) C13-C22
Gasoline Range Organics (GRO) C4-C13
ND = Not Detected

Roger Scholl Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Statement of Data Authenticity : Alpha Analytical, Inc. attests that the data reported has not been altered an any way.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

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10/17/16
Report Date

Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100608-01A
Client I.D. Number: GMW-39

Sampled: 10/05/16 07:20
Received: 10/06/16
Extracted: 10/12/16 14:21
Analyzed: 10/12/16 14:21

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	1.6	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	109	(70-130)	%REC
73	Surr: Toluene-d8	99	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	106	(70-130)	%REC

ND = Not Detected

Roger Scholl Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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RG
10/17/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100608-02A
Client I.D. Number: MW-12

Sampled: 10/05/16 08:05
Received: 10/06/16
Extracted: 10/12/16 14:45
Analyzed: 10/12/16 14:45

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	108	(70-130)	%REC
73	Surr: Toluene-d8	100	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	109	(70-130)	%REC

ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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10/17/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100608-03A
Client I.D. Number: GMW-O-3

Sampled: 10/05/16 08:50
Received: 10/06/16
Extracted: 10/12/16 15:09
Analyzed: 10/12/16 15:09

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	107	(70-130)	%REC
73	Surr: Toluene-d8	100	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	113	(70-130)	%REC

ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

10/17/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100608-04A
Client I.D. Number: GMW-O-4

Sampled: 10/05/16 09:30
Received: 10/06/16
Extracted: 10/12/16 15:32
Analyzed: 10/12/16 15:32

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	109	(70-130)	%REC
73	Surr: Toluene-d8	99	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	111	(70-130)	%REC

ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Statement of Data Authenticity : Alpha Analytical, Inc. attests that the data reported has not been altered an any way.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

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NELAP ACCREDITED LABORATORY

10/17/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100608-05A
Client I.D. Number: GMW-SF-8

Sampled: 10/05/16 10:20
Received: 10/06/16
Extracted: 10/12/16 15:56
Analyzed: 10/12/16 15:56

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	111	(70-130)	%REC
73	Surr: Toluene-d8	98	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	109	(70-130)	%REC

ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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RG

10/17/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100608-06A
Client I.D. Number: MW-8

Sampled: 10/05/16 11:22
Received: 10/06/16
Extracted: 10/12/16 16:19
Analyzed: 10/12/16 16:19

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	0.85	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	110	(70-130)	%REC
73	Surr: Toluene-d8	99	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	113	(70-130)	%REC

ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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10/17/16
Report Date

Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100608-07A
Client I.D. Number: GMW-SF-7

Sampled: 10/05/16 11:59
Received: 10/06/16
Extracted: 10/12/16 16:43
Analyzed: 10/12/16 16:43

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	110	(70-130)	%REC
73	Surr: Toluene-d8	98	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	111	(70-130)	%REC

ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Statement of Data Authenticity : Alpha Analytical, Inc. attests that the data reported has not been altered an any way.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

ACLASS ACCREDITED DoD ELAP

RS

10/17/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100608-08A
Client I.D. Number: GMW-O-9

Sampled: 10/05/16 12:45
Received: 10/06/16
Extracted: 10/12/16 17:07
Analyzed: 10/12/16 17:07

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	113	(70-130)	%REC
73	Surr: Toluene-d8	98	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	111	(70-130)	%REC

ND = Not Detected

Roger Scholl Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

10/17/16
Report Date

Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100608-09A
Client I.D. Number: HL-2

Sampled: 10/05/16 13:30
Received: 10/06/16
Extracted: 10/12/16 17:30
Analyzed: 10/12/16 17:30

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	112	(70-130)	%REC
73	Surr: Toluene-d8	98	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	113	(70-130)	%REC

ND = Not Detected

Roger Scholl Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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ACLASS ACCREDITED DoD ELAP

NELAP ACCREDITED LABORATORY

10/17/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100608-10A
Client I.D. Number: GMW-O-19

Sampled: 10/05/16 14:45
Received: 10/06/16
Extracted: 10/12/16 17:54
Analyzed: 10/12/16 17:54

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	112	(70-130)	%REC
73	Surr: Toluene-d8	98	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	111	(70-130)	%REC

ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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NELAP ACCREDITED LABORATORY

RS
10/17/16
Report Date

Alpha Analytical, Inc.

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ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100608-11A
Client I.D. Number: GMW-O-16

Sampled: 10/05/16 15:30
Received: 10/06/16
Extracted: 10/12/16 18:18
Analyzed: 10/12/16 18:18

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	112	(70-130)	%REC
73	Surr: Toluene-d8	98	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	111	(70-130)	%REC

ND = Not Detected

Roger Scholl Randy Gardner

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10/17/16
Report Date

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ANALYTICAL REPORT

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Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100608-12A
Client I.D. Number: EB-2

Sampled: 10/05/16 15:40
Received: 10/06/16
Extracted: 10/12/16 18:41
Analyzed: 10/12/16 18:41

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	118	(70-130)	%REC
73	Surr: Toluene-d8	102	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	107	(70-130)	%REC

ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

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NELAP ACCREDITED LABORATORY

10/17/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100608-13A
Client I.D. Number: DUP-1

Sampled: 10/05/16 00:00
Received: 10/06/16
Extracted: 10/12/16 19:05
Analyzed: 10/12/16 19:05

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	1.5	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	117	(70-130)	%REC
73	Surr: Toluene-d8	102	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	113	(70-130)	%REC

ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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ACLASS ACCREDITED DoD ELAP

NELAP ACCREDITED LABORATORY

10/17/16
Report Date

Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100608-14A
Client I.D. Number: DUP-2

Sampled: 10/05/16 00:00
Received: 10/06/16
Extracted: 10/12/16 19:29
Analyzed: 10/12/16 19:29

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	115	(70-130)	%REC
73	Surr: Toluene-d8	99	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	114	(70-130)	%REC

ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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10/17/16
Report Date

Alpha Analytical, Inc.
255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

VOC Sample Preservation Report

Work Order: CHH16100608 **Job:** KMEP DFSP Norwalk

Alpha's Sample ID	Client's Sample ID	Matrix	pH
16100608-01A	GMW-39	Aqueous	2
16100608-02A	MW-12	Aqueous	2
16100608-03A	GMW-O-3	Aqueous	2
16100608-04A	GMW-O-4	Aqueous	2
16100608-05A	GMW-SF-8	Aqueous	2
16100608-06A	MW-8	Aqueous	2
16100608-07A	GMW-SF-7	Aqueous	2
16100608-08A	GMW-O-9	Aqueous	2
16100608-09A	HL-2	Aqueous	2
16100608-10A	GMW-O-19	Aqueous	2
16100608-11A	GMW-O-16	Aqueous	2
16100608-12A	EB-2	Aqueous	2
16100608-13A	DUP-1	Aqueous	2
16100608-14A	DUP-2	Aqueous	2

10/17/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: 14-Oct-16

QC Summary Report

Work Order: 16100608

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B/C Ext**
File ID: **2** Batch ID: **37283** Analysis Date: **10/07/2016 15:41**
Sample ID: **MBLK-37283** Units : **mg/L** Run ID: **MANUAL_161007G** Prep Date: **10/07/2016 11:35**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	ND	0.05								
Surr: Nonane	0.144		0.15		96	35	151			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B/C Ext**
File ID: **1** Batch ID: **37283** Analysis Date: **10/07/2016 15:14**
Sample ID: **LCS-37283** Units : **mg/L** Run ID: **MANUAL_161007G** Prep Date: **10/07/2016 11:35**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	3.13	0.05	2.5		125	73	135			
Surr: Nonane	0.167		0.15		111	35	151			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B/C Ext**
File ID: **4** Batch ID: **37283** Analysis Date: **10/07/2016 16:34**
Sample ID: **16100608-12AMS** Units : **mg/L** Run ID: **MANUAL_161007G** Prep Date: **10/07/2016 11:35**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	3.19	0.1	2.5	0	128	64	161			
Surr: Nonane	0.651		0.6		109	33	162			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B/C Ext**
File ID: **5** Batch ID: **37283** Analysis Date: **10/07/2016 17:00**
Sample ID: **16100608-12AMSD** Units : **mg/L** Run ID: **MANUAL_161007G** Prep Date: **10/07/2016 11:35**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.92	0.1	2.5	0	117	64	161	3.191	8.9(40)	
Surr: Nonane	0.299		0.3		99.7	33	162			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Oil Range Organics (ORO) C22-C40+
Jet Fuel Range Organics (JFRO) C9-C22. JFRO determination is based on its chromatographic fingerprint.
Diesel Range Organics (DRO) C13-C22

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *14-Oct-16*

QC Summary Report

Work Order: 16100608

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B/C / SW8260B**
File ID: **40** Batch ID: **MS15W1012B** Analysis Date: **10/12/2016 13:34**
Sample ID: **MBLK MS15W1012B** Units : **mg/L** Run ID: **MANUAL_161012J** Prep Date: **10/12/2016 13:34**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	0.05								
Surr: 1,2-Dichloroethane-d4	0.0109		0.01		109	70	130			
Surr: Toluene-d8	0.00985		0.01		99	70	130			
Surr: 4-Bromofluorobenzene	0.011		0.01		110	70	130			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B/C / SW8260B**
File ID: **44** Batch ID: **MS15W1012B** Analysis Date: **10/12/2016 12:47**
Sample ID: **GLCS MS15W1012B** Units : **mg/L** Run ID: **MANUAL_161012J** Prep Date: **10/12/2016 12:47**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	0.369	0.05	0.4		92	70	130			
Surr: 1,2-Dichloroethane-d4	0.0111		0.01		111	70	130			
Surr: Toluene-d8	0.00972		0.01		97	70	130			
Surr: 4-Bromofluorobenzene	0.0111		0.01		111	70	130			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B/C / SW8260B**
File ID: **42** Batch ID: **MS15W1012B** Analysis Date: **10/12/2016 22:37**
Sample ID: **16100608-01AGS** Units : **mg/L** Run ID: **MANUAL_161012J** Prep Date: **10/12/2016 22:37**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.67	0.25	2	0	84	46	167			
Surr: 1,2-Dichloroethane-d4	0.0562		0.05		112	70	130			
Surr: Toluene-d8	0.0513		0.05		103	70	130			
Surr: 4-Bromofluorobenzene	0.0558		0.05		112	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B/C / SW8260B**
File ID: **43** Batch ID: **MS15W1012B** Analysis Date: **10/12/2016 23:01**
Sample ID: **16100608-01AGSD** Units : **mg/L** Run ID: **MANUAL_161012J** Prep Date: **10/12/2016 23:01**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.82	0.25	2	0	91	54	143	1.673	8.4(23)	
Surr: 1,2-Dichloroethane-d4	0.0562		0.05		112	70	130			
Surr: Toluene-d8	0.0486		0.05		97	70	130			
Surr: 4-Bromofluorobenzene	0.0578		0.05		116	70	130			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Gasoline Range Organics (GRO) C4-C13

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Date: *17-Oct-16*

QC Summary Report

Work Order: 16100608

Method Blank Type **MBLK** Test Code: **EPA Method SW8260B**

File ID: **1** Batch ID: **MS15W1012A** Analysis Date: **10/12/2016 13:34**

Sample ID: **MBLK MS15W1012A** Units : **µg/L** Run ID: **MANUAL_161012J** Prep Date: **10/12/2016 13:34**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	ND	1								
Chloromethane	ND	2								
Vinyl chloride	ND	0.5								
Chloroethane	ND	1								
Bromomethane	ND	2								
Trichlorofluoromethane	ND	10								
Acetone	ND	10								
1,1-Dichloroethene	ND	1								
Tertiary Butyl Alcohol (TBA)	ND	10								
Dichloromethane	ND	5								
Freon-113	ND	10								
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	0.5								
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	10								
cis-1,3-Dichloropropene	ND	0.5								
trans-1,3-Dichloropropene	ND	0.5								
1,1,2-Trichloroethane	ND	1								
Toluene	ND	0.5								
1,3-Dichloropropane	ND	1								
2-Hexanone	ND	5								
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								
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	5				
1,2,4-Trichlorobenzene	ND	2				
Naphthalene	ND	10				
1,2,3-Trichlorobenzene	ND	2				
Xylenes, Total	ND	0.5				
Surr: 1,2-Dichloroethane-d4	10.9		10	109	70	130
Surr: Toluene-d8	9.85		10	99	70	130
Surr: 4-Bromofluorobenzene	11		10	110	70	130

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Date: 17-Oct-16

QC Summary Report

Work Order: 16100608

Laboratory Control Spike Type **LCS** Test Code: **EPA Method SW8260B**
File ID: **2** Batch ID: **MS15W1012A** Analysis Date: **10/12/2016 12:23**
Sample ID: **LCS MS15W1012A** Units : **µg/L** Run ID: **MANUAL_161012J** Prep Date: **10/12/2016 12:23**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	6.52	1	10		65	32	145			
Chloromethane	8.82	2	10		88	40	145			
Vinyl chloride	9.52	1	10		95	70	130			
Chloroethane	12.8	1	10		128	38	156			
Bromomethane	8.52	2	10		85	13	162			
Trichlorofluoromethane	11.7	1	10		117	46	154			
Acetone	202	10	200		101	22	188			
1,1-Dichloroethene	10.2	1	10		102	70	130			
Tertiary Butyl Alcohol (TBA)	102	10	100		102	48	148			
Dichloromethane	10.6	2	10		106	69	130			
Freon-113	10.9	1	10		109	70	136			
trans-1,2-Dichloroethene	10.5	1	10		105	70	130			
Methyl tert-butyl ether (MTBE)	11.9	0.5	10		119	63	137			
1,1-Dichloroethane	11.1	1	10		111	70	130			
2-Butanone (MEK)	224	10	200		112	26	183			
Di-isopropyl Ether (DIPE)	12.5	1	10		125	69	133			
cis-1,2-Dichloroethene	10.6	1	10		106	70	130			
Bromochloromethane	10.7	1	10		107	70	133			
Chloroform	10.5	1	10		105	70	130			
Ethyl Tertiary Butyl Ether (ETBE)	12.3	1	10		123	66	135			
2,2-Dichloropropane	12.5	1	10		125	70	149			
1,2-Dichloroethane	11.8	1	10		118	70	133			
1,1,1-Trichloroethane	11.4	1	10		114	70	135			
1,1-Dichloropropene	11.4	1	10		114	70	130			
Carbon tetrachloride	11.4	1	10		114	63	143			
Benzene	10.4	0.5	10		104	70	130			
Tertiary Amyl Methyl Ether (TAME)	12	1	10		120	70	133			
Dibromomethane	11.4	1	10		114	70	130			
1,2-Dichloropropane	11.4	1	10		114	70	130			
Trichloroethene	10.5	1	10		105	68	138			
Bromodichloromethane	11.7	1	10		117	58	147			
4-Methyl-2-pentanone (MIBK)	27.7	2.5	25		111	59	140			
cis-1,3-Dichloropropene	11.9	1	10		119	70	130			
trans-1,3-Dichloropropene	10.6	1	10		106	70	131			
1,1,2-Trichloroethane	11.3	1	10		113	70	130			
Toluene	11	0.5	10		110	70	130			
1,3-Dichloropropane	11.3	1	10		113	70	130			
2-Hexanone	112	5	100		112	48	157			
Dibromochloromethane	9.84	1	10		98	49	147			
1,2-Dibromoethane (EDB)	22.3	2	20		112	70	131			
Tetrachloroethene	10.6	1	10		106	70	130			
1,1,1,2-Tetrachloroethane	11	1	10		110	70	130			
Chlorobenzene	11	1	10		110	70	130			
Ethylbenzene	10.5	0.5	10		105	70	130			
m,p-Xylene	10	0.5	10		100	65	139			
Bromoform	9.34	1	10		93	60	144			
Styrene	9.91	1	10		99	55	144			
o-Xylene	10	0.5	10		100	70	130			
1,1,2,2-Tetrachloroethane	10.2	1	10		102	70	130			
1,2,3-Trichloropropane	21.1	2	20		105	70	130			
Isopropylbenzene	13	1	10		130	69	136			
Bromobenzene	12.6	1	10		126	70	130			
n-Propylbenzene	13.3	1	10		133	70	132			L51
4-Chlorotoluene	12.7	1	10		127	70	132			
2-Chlorotoluene	13	1	10		130	70	130			
1,3,5-Trimethylbenzene	13.1	1	10		131	70	134			
tert-Butylbenzene	12.6	1	10		126	63	139			
1,2,4-Trimethylbenzene	13	1	10		130	70	133			
sec-Butylbenzene	12.6	1	10		126	70	132			
1,3-Dichlorobenzene	12	1	10		120	70	130			
1,4-Dichlorobenzene	11.6	1	10		116	70	130			
4-Isopropyltoluene	12.5	1	10		125	40	161			
1,2-Dichlorobenzene	10.9	1	10		109	70	130			
n-Butylbenzene	12.6	1	10		126	69	134			
1,2-Dibromo-3-chloropropane (DBCP)	37.9	3	50		76	67	130			

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1,2,4-Trichlorobenzene	5.54	2	10	55	62	131	L2
Naphthalene	5.77	2	10	58	39	149	
1,2,3-Trichlorobenzene	5.53	2	10	55	54	135	
Xylenes, Total	20	0.5	20	100	70	130	
Surr: 1,2-Dichloroethane-d4	10.7		10	107	70	130	
Surr: Toluene-d8	9.78		10	98	70	130	
Surr: 4-Bromofluorobenzene	11.4		10	114	70	130	

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Date: 17-Oct-16

QC Summary Report

Work Order: 16100608

Sample Matrix Spike | Type **MS** | Test Code: **EPA Method SW8260B**

File ID: **1** | Batch ID: **MS15W1012A** | Analysis Date: **10/12/2016 21:50**

Sample ID: **16100608-01AMS** | Units : **µg/L** | Run ID: **MANUAL_161012J** | Prep Date: **10/12/2016 21:50**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	23.1	2.5	50	0	46	12	150			
Chloromethane	40.7	10	50	0	81	26	146			
Vinyl chloride	38.9	2.5	50	0	78	46	142			
Chloroethane	36.3	2.5	50	0	73	25	164			
Bromomethane	32.3	10	50	0	65	10	172			
Trichlorofluoromethane	43.8	2.5	50	0	88	32	164			
Acetone	901	50	1000	0	90	10	188			
1,1-Dichloroethene	39.3	2.5	50	0	79	62	133			
Tertiary Butyl Alcohol (TBA)	452	25	500	0	90	44	155			
Dichloromethane	45.3	10	50	0	91	69	130			
Freon-113	35.2	2.5	50	0	70	56	144			
trans-1,2-Dichloroethene	42	2.5	50	0	84	67	131			
Methyl tert-butyl ether (MTBE)	53.8	1.3	50	0	104	56	140			
1,1-Dichloroethane	47.4	2.5	50	0	95	67	130			
2-Butanone (MEK)	970	50	1000	0	97	26	183			
Di-isopropyl Ether (DIPE)	55.2	2.5	50	0	110	59	138			
cis-1,2-Dichloroethene	45.7	2.5	50	0	91	70	130			
Bromochloromethane	45.8	2.5	50	0	92	70	134			
Chloroform	44.5	2.5	50	0	89	69	130			
Ethyl Tertiary Butyl Ether (ETBE)	54.2	2.5	50	0	108	62	135			
2,2-Dichloropropane	42.5	2.5	50	0	85	44	149			
1,2-Dichloroethane	52.6	2.5	50	0	105	64	139			
1,1,1-Trichloroethane	46.3	2.5	50	0	93	65	139			
1,1-Dichloropropene	42.1	2.5	50	0	84	68	134			
Carbon tetrachloride	42.6	2.5	50	0	85	56	146			
Benzene	43	1.3	50	0	86	67	134			
Tertiary Amyl Methyl Ether (TAME)	54.2	2.5	50	0	108	64	135			
Dibromomethane	49.2	2.5	50	0	98	70	132			
1,2-Dichloropropane	48.6	2.5	50	0	97	69	134			
Trichloroethene	39.7	2.5	50	0	79	68	138			
Bromodichloromethane	50.5	2.5	50	0	101	58	147			
4-Methyl-2-pentanone (MIBK)	119	13	125	0	95	49	140			
cis-1,3-Dichloropropene	46.3	2.5	50	0	93	61	130			
trans-1,3-Dichloropropene	42.8	2.5	50	0	86	62	131			
1,1,2-Trichloroethane	48.7	2.5	50	0	97	70	131			
Toluene	42.7	1.3	50	0	85	38	130			
1,3-Dichloropropane	47	2.5	50	0	94	70	130			
2-Hexanone	472	25	500	0	94	25	157			
Dibromochloromethane	40.5	2.5	50	0	81	49	147			
1,2-Dibromoethane (EDB)	92.8	5	100	0	93	70	131			
Tetrachloroethene	35.4	2.5	50	0	71	63	134			
1,1,1,2-Tetrachloroethane	44.9	2.5	50	0	90	70	133			
Chlorobenzene	42.3	2.5	50	0	85	70	130			
Ethylbenzene	37.8	1.3	50	0	76	70	130			
m,p-Xylene	36.9	1.3	50	0	74	65	139			
Bromoform	38.4	2.5	50	0	77	60	144			
Styrene	36.9	2.5	50	0	74	53	144			
o-Xylene	37.5	1.3	50	0	75	69	130			
1,1,2,2-Tetrachloroethane	42.9	2.5	50	0	86	67	134			
1,2,3-Trichloropropane	88.9	10	100	0	89	70	130			
Isopropylbenzene	44.2	2.5	50	0	88	64	136			
Bromobenzene	49.1	2.5	50	0	98	69	130			
n-Propylbenzene	43.2	2.5	50	0	86	65	132			
4-Chlorotoluene	45	2.5	50	0	90	69	132			
2-Chlorotoluene	46.7	2.5	50	0	93	69	130			
1,3,5-Trimethylbenzene	45.5	2.5	50	0	91	64	135			
tert-Butylbenzene	41.6	2.5	50	0	83	63	139			
1,2,4-Trimethylbenzene	45.8	2.5	50	0	92	62	135			
sec-Butylbenzene	39.6	2.5	50	0	79	68	132			
1,3-Dichlorobenzene	41.8	2.5	50	0	84	70	130			
1,4-Dichlorobenzene	40.5	2.5	50	0	81	70	130			
4-Isopropyltoluene	39	2.5	50	0	78	40	161			
1,2-Dichlorobenzene	38	2.5	50	0	76	70	130			
n-Butylbenzene	36.2	2.5	50	0	72	58	135			
1,2-Dibromo-3-chloropropane (DBCP)	98.3	15	250	0	39	63	131			M2

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1,2,4-Trichlorobenzene	6.61	10	50	0	13	57	134	M57
Naphthalene	3.21	10	50	0	6.4	31	157	M2
1,2,3-Trichlorobenzene	2.53	10	50	0	5.1	52	138	M2
Xylenes, Total	74.4	1.3	100	0	74	70	130	
Surr: 1,2-Dichloroethane-d4	56.5		50		113	70	130	
Surr: Toluene-d8	47.1		50		94	70	130	
Surr: 4-Bromofluorobenzene	56.2		50		112	70	130	

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Date: *17-Oct-16*

QC Summary Report

Work Order: 16100608

Sample Matrix Spike Duplicate Type **MSD** Test Code: **EPA Method SW8260B**

File ID: **2** Batch ID: **MS15W1012A** Analysis Date: **10/12/2016 22:14**

Sample ID: **16100608-01AMSD** Units : **µg/L** Run ID: **MANUAL_161012J** Prep Date: **10/12/2016 22:14**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	22.9	2.5	50	0	46	12	150	23.07	1.0(38)	
Chloromethane	38.5	10	50	0	77	26	146	40.66	5.5(31)	
Vinyl chloride	38.1	2.5	50	0	76	46	142	38.91	2.1(25)	
Chloroethane	45.8	2.5	50	0	92	25	164	36.29	23.2(40)	
Bromomethane	36.4	10	50	0	73	10	172	32.34	11.9(40)	
Trichlorofluoromethane	43.8	2.5	50	0	88	32	164	43.81	0.1(34)	
Acetone	893	50	1000	0	89	10	188	900.7	0.8(39)	
1,1-Dichloroethene	38.1	2.5	50	0	76	62	133	39.32	3.2(35)	
Tertiary Butyl Alcohol (TBA)	470	25	500	0	94	44	155	451.8	4.0(33)	
Dichloromethane	43.4	10	50	0	87	69	130	45.3	4.4(26)	
Freon-113	35.9	2.5	50	0	72	56	144	35.18	2.1(40)	
trans-1,2-Dichloroethene	40.5	2.5	50	0	81	67	131	41.98	3.5(27)	
Methyl tert-butyl ether (MTBE)	52.3	1.3	50	0	101	56	140	53.75	2.8(40)	
1,1-Dichloroethane	45.1	2.5	50	0	90	67	130	47.41	5.1(20)	
2-Butanone (MEK)	958	50	1000	0	96	26	183	970.2	1.3(22)	
Di-isopropyl Ether (DIPE)	51.5	2.5	50	0	103	59	138	55.23	7.1(20)	
cis-1,2-Dichloroethene	43.3	2.5	50	0	87	70	130	45.69	5.4(20)	
Bromochloromethane	44.2	2.5	50	0	88	70	134	45.82	3.6(20)	
Chloroform	42.3	2.5	50	0	85	69	130	44.54	5.3(22)	
Ethyl Tertiary Butyl Ether (ETBE)	51.1	2.5	50	0	102	62	135	54.2	5.9(40)	
2,2-Dichloropropane	39.9	2.5	50	0	80	44	149	42.49	6.3(23)	
1,2-Dichloroethane	50.3	2.5	50	0	101	64	139	52.58	4.5(20)	
1,1,1-Trichloroethane	44.2	2.5	50	0	88	65	139	46.25	4.6(20)	
1,1-Dichloropropene	40.9	2.5	50	0	82	68	134	42.12	2.9(20)	
Carbon tetrachloride	41.9	2.5	50	0	84	56	146	42.64	1.8(21)	
Benzene	39.8	1.3	50	0	80	67	134	42.95	7.5(21)	
Tertiary Amyl Methyl Ether (TAME)	50.1	2.5	50	0	100	64	135	54.17	7.8(31)	
Dibromomethane	45.1	2.5	50	0	90	70	132	49.19	8.8(20)	
1,2-Dichloropropane	41.7	2.5	50	0	83	69	134	48.57	15.2(20)	
Trichloroethene	38.1	2.5	50	0	76	68	138	39.74	4.2(20)	
Bromodichloromethane	46.3	2.5	50	0	93	58	147	50.46	8.6(20)	
4-Methyl-2-pentanone (MIBK)	102	13	125	0	82	49	140	118.7	15.3(24)	
cis-1,3-Dichloropropene	40.1	2.5	50	0	80	61	130	46.3	14.4(20)	
trans-1,3-Dichloropropene	38.9	2.5	50	0	78	62	131	42.77	9.6(21)	
1,1,2-Trichloroethane	42.5	2.5	50	0	85	70	131	48.65	13.5(20)	
Toluene	37.3	1.3	50	0	75	38	130	42.69	13.5(20)	
1,3-Dichloropropane	42.8	2.5	50	0	86	70	130	46.97	9.4(20)	
2-Hexanone	418	25	500	0	84	25	157	472.3	12.2(23)	
Dibromochloromethane	38	2.5	50	0	76	49	147	40.47	6.4(20)	
1,2-Dibromoethane (EDB)	86.2	5	100	0	86	70	131	92.78	7.4(20)	
Tetrachloroethene	35	2.5	50	0	70	63	134	35.41	1.3(20)	
1,1,1,2-Tetrachloroethane	42.2	2.5	50	0	84	70	133	44.93	6.3(20)	
Chlorobenzene	39.7	2.5	50	0	79	70	130	42.34	6.6(20)	
Ethylbenzene	35.5	1.3	50	0	71	70	130	37.78	6.1(20)	
m,p-Xylene	33.6	1.3	50	0	67	65	139	36.88	9.3(20)	
Bromoform	38.5	2.5	50	0	77	60	144	38.43	0.3(21)	
Styrene	35.2	2.5	50	0	70	53	144	36.92	4.9(31)	
o-Xylene	34.9	1.3	50	0	70	69	130	37.48	7.0(20)	
1,1,2,2-Tetrachloroethane	41.9	2.5	50	0	84	67	134	42.86	2.4(20)	
1,2,3-Trichloropropane	86.8	10	100	0	87	70	130	88.87	2.4(20)	
Isopropylbenzene	42.3	2.5	50	0	85	64	136	44.15	4.2(20)	
Bromobenzene	46	2.5	50	0	92	69	130	49.09	6.5(20)	
n-Propylbenzene	42.4	2.5	50	0	85	65	132	43.2	1.9(40)	
4-Chlorotoluene	42.5	2.5	50	0	85	69	132	44.97	5.6(20)	
2-Chlorotoluene	43.7	2.5	50	0	87	69	130	46.66	6.7(20)	
1,3,5-Trimethylbenzene	43.4	2.5	50	0	87	64	135	45.5	4.7(21)	
tert-Butylbenzene	44.5	2.5	50	0	89	63	139	41.62	6.6(20)	
1,2,4-Trimethylbenzene	47.7	2.5	50	0	95	62	135	45.83	3.9(24)	
sec-Butylbenzene	43.1	2.5	50	0	86	68	132	39.61	8.5(20)	
1,3-Dichlorobenzene	45	2.5	50	0	90	70	130	41.83	7.2(20)	
1,4-Dichlorobenzene	42.4	2.5	50	0	85	70	130	40.46	4.7(20)	
4-Isopropyltoluene	43.3	2.5	50	0	87	40	161	38.96	10.6(22)	
1,2-Dichlorobenzene	40.2	2.5	50	0	80	70	130	37.98	5.7(20)	
n-Butylbenzene	39.3	2.5	50	0	79	58	135	36.21	8.2(24)	
1,2-Dibromo-3-chloropropane (DBCP)	157	15	250	0	63	63	131	98.27	46.0(29)	R58

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: 17-Oct-16

QC Summary Report

Work Order: 16100608

1,2,4-Trichlorobenzene	18.8	10	50	0	38	57	134	6.61	95.7(30)	M57R58
Naphthalene	18	10	50	0	36	31	157	3.21	139.0(40)	R58
1,2,3-Trichlorobenzene	14.5	10	50	0	29	52	138	2.53	141.0(39)	M2 R58
Xylenes, Total	68.6	1.3	100	0	69	70	130	74.36	8.1(22)	M2
Surr: 1,2-Dichloroethane-d4	61.9		50		124	70	130			
Surr: Toluene-d8	45		50		90	70	130			
Surr: 4-Bromofluorobenzene	54.1		50		108	70	130			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

R58 = MS/MSD RPD exceeded the laboratory control limit.

L2 = The associated blank spike recovery was below laboratory acceptance limits.

L51 = Analyte recovery was above acceptance limits for the LCS, but was acceptable in the MS/MSD.

M2 = Matrix spike recovery was low, the method control sample recovery was acceptable.

M57 = Matrix spike recovery was below laboratory acceptance limits.

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : CHHL16100608
Report Due By : 5:00 PM On : 17-Oct-16

Client:
CH2M Hill
1000 Wilshire Boulevard
21st Floor
Los Angeles, CA 90017

Report Attention	Phone Number	EMail Address
Daniel Jablonski	(213) 228-8271 x	daniel.jablonski@ch2m.com
Matthew Mayry	(213) 228-8271 x	matthew.mayry@ch2m.com

EDD Required : **Yes**

Sampled by : Kevin Thompson

Cooler Temp	Samples Received	Date Printed
1 °C	06-Oct-16	06-Oct-16

PO :

Client's COC # : none   Job : KMEP DFSP Norwalk

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	No. of Bottles Sub	TAT	TPH/E_W	TPH/P_W	VOC_W						Sample Remarks
CHH16100608-01A	GMW-39	AQ	10/05/16 07:20	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100608-02A	MW-12	AQ	10/05/16 08:05	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100608-03A	GMW-O-3	AQ	10/05/16 08:50	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100608-04A	GMW-O-4	AQ	10/05/16 09:30	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100608-05A	GMW-SF-8	AQ	10/05/16 10:20	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100608-06A	MW-8	AQ	10/05/16 11:22	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100608-07A	GMW-SF-7	AQ	10/05/16 11:59	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100608-08A	GMW-O-9	AQ	10/05/16 12:45	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						

Comments: Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. :

	Signature	Print Name	Company	Date/Time
Logged in by:	[signature]	Meghan C.	Alpha Analytical, Inc.	10/6/16 1330

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.
The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other)   Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : CHHL16100608
Report Due By : 5:00 PM On : 17-Oct-16

Client:
CH2M Hill
1000 Wilshire Boulevard
21st Floor
Los Angeles, CA 90017

Report Attention	Phone Number	EMail Address
Daniel Jablonski	(213) 228-8271 x	daniel.jablonski@ch2m.com
Matthew Mayry	(213) 228-8271 x	matthew.mayry@ch2m.com

EDD Required : **Yes**

Sampled by : Kevin Thompson

Cooler Temp	Samples Received	Date Printed
1 °C	06-Oct-16	06-Oct-16

PO :

Client's COC # : none   Job : KMEP DFSP Norwalk

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	No. of Bottles Sub	TAT	Requested Tests TPH/E_W	Requested Tests TPH/P_W	Requested Tests VOC_W						Sample Remarks
CHH16100608-09A	HL-2	AQ	10/05/16 13:30	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100608-10A	GMW-O-19	AQ	10/05/16 14:45	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100608-11A	GMW-O-16	AQ	10/05/16 15:30	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100608-12A	EB-2	AQ	10/05/16 15:40	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100608-13A	DUP-1	AQ	10/05/16 00:00	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100608-14A	DUP-2	AQ	10/05/16 00:00	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						

Comments: Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. :

	Signature	Print Name	Company	Date/Time
Logged in by:		Meghan C.	Alpha Analytical, Inc.	10/6/16 1330

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.
The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other)   Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

LAB Alpha Analytical COC 1 of 2

Billing Information:
Kinder Morgan
1100 Town and CountryRd.
Orange CA 95112

Kinder Morgan Norwalk
Report to:
Dan Jablonski
CH2MHILL
1000 Wilshire Blvd 21st floor
Los Angeles, CA 90017

CHAIN OF CUSTODY

CLIENT: Kinder Morgan

SITE: DFSP Norwalk
15306 Norwalk Blvd, Norwalk

CONDUCT ANALYSIS TO DETECT

SAMPLE I.D.	DATE	TIME	MATRIX AQ= Water	CONTAINERS #	Preservation	Type	TPHg, TPHd (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
GMW-39	10-5-16	0720	W	6	HCL	Voas	X	X							CHH 161006	08-01		
MW-12		0805					X	X								02		
GMW-0-3		0850					X	X								03		
GMW-0-4		0930					X	X								04		
GMW-SF-8		1020					X	X								05		
MW-8		1122					X	X								06		
~~HS~~ GMW-SF-7		1159					X	X								07		
GMW-0-9		1245					X	X								08		
HL-2		1330					X	X								09		
GMW-0-19		1445					X	X								10		

SAMPLING COMPLETED DATE 10.5.16 TIME 1615 SAMPLING PERFORMED BY Kevin Thompson

RESULTS NEEDED NO LATER THAN Standard

RELEASED BY	TIME	RECEIVED BY	DATE	TIME
	1615		10/5/16	1615
			10-5-16	1700
			10/6/16	1325

SHIPPED VIA	TIME SENT	COOLER #	

BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

LAB: Alpha Analytical COC 2 of 2

Billing Information:
Kinder Morgan
1100 Town and CountryRd.
Orange CA 95112

Kinder Morgan Norwalk
Report to:
Dan Jablonski
CH2MHILL
1000 Wilshire Blvd 21st floor
Los Angeles, CA 90017

CHAIN OF CUSTODY

CLIENT: Kinder Morgan

SITE: DFSP Norwalk
15306 Norwalk Blvd, Norwalk

CONDUCT ANALYSIS TO DETECT

SAMPLE I.D.	DATE	TIME	MATRIX AQ= Water	CONTAINERS #	CONTAINERS Preservation	CONTAINERS Type	TPHg, TPHd (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
GMW-O16	10-5-16	1530	W	6	HCL	Voas	✓	X							CHH1610O608-01			
EB-2	↓	1540	↓	↓	↓	↓	X	X								12		
Dup-1		—	W	6			X	X								13		
Dup-2	↓	—	W	6	↓	↓	X	X								14		

SAMPLING COMPLETED: DATE 10-5-16 TIME 1615

SAMPLING PERFORMED BY: Kevin Thompson

RESULTS NEEDED NO LATER THAN: Standard

RELEASED BY	TIME	RECEIVED BY	DATE	TIME
	1615		10/5/16	16 00
				1708
			10/6/16	1325

SHIPPED VIA | TIME SENT | COOLER #

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135
Date Received : 10/07/16

Job: KMEP DFSP Norwalk

Total Petroleum Hydrocarbons - Extractable (TPH-E) EPA Method SW8015B
Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B / SW8260B

		Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID :	**GMW-26**					
Lab ID :	CHH16100702-01A	TPH-E (DRO)	ND	0.050 mg/L	10/07/16 12:08	10/08/16 02:11
Date Sampled	10/06/16 08:05	Surr: Nonane	101	(53-145) %REC	10/07/16 12:08	10/08/16 02:11
		TPH-P (GRO)	ND	0.050 mg/L	10/17/16 13:29	10/17/16 13:29
		Surr: 1,2-Dichloroethane-d4	110	(70-130) %REC	10/17/16 13:29	10/17/16 13:29
		Surr: Toluene-d8	97	(70-130) %REC	10/17/16 13:29	10/17/16 13:29
		Surr: 4-Bromofluorobenzene	121	(70-130) %REC	10/17/16 13:29	10/17/16 13:29
Client ID :	**HL-3**					
Lab ID :	CHH16100702-02A	TPH-E (DRO)	ND	0.050 mg/L	10/07/16 12:08	10/08/16 02:38
Date Sampled	10/06/16 08:40	Surr: Nonane	92	(53-145) %REC	10/07/16 12:08	10/08/16 02:38
		TPH-P (GRO)	ND	0.050 mg/L	10/17/16 13:52	10/17/16 13:52
		Surr: 1,2-Dichloroethane-d4	109	(70-130) %REC	10/17/16 13:52	10/17/16 13:52
		Surr: Toluene-d8	97	(70-130) %REC	10/17/16 13:52	10/17/16 13:52
		Surr: 4-Bromofluorobenzene	108	(70-130) %REC	10/17/16 13:52	10/17/16 13:52
Client ID :	**GMW-1**					
Lab ID :	CHH16100702-03A	TPH-E (DRO)	0.15	0.050 mg/L	10/07/16 12:08	10/08/16 03:05
Date Sampled	10/06/16 09:33	Surr: Nonane	95	(53-145) %REC	10/07/16 12:08	10/08/16 03:05
		TPH-P (GRO)	0.057	0.050 mg/L	10/17/16 14:16	10/17/16 14:16
		Surr: 1,2-Dichloroethane-d4	111	(70-130) %REC	10/17/16 14:16	10/17/16 14:16
		Surr: Toluene-d8	96	(70-130) %REC	10/17/16 14:16	10/17/16 14:16
		Surr: 4-Bromofluorobenzene	110	(70-130) %REC	10/17/16 14:16	10/17/16 14:16
Client ID :	**PZ-5**					
Lab ID :	CHH16100702-04A	TPH-E (DRO)	0.97	0.050 mg/L	10/07/16 12:08	10/08/16 03:31
Date Sampled	10/06/16 10:37	Surr: Nonane	101	(53-145) %REC	10/07/16 12:08	10/08/16 03:31
		TPH-P (GRO)	1.2	0.20 mg/L	10/18/16 15:45	10/18/16 15:45
		Surr: 1,2-Dichloroethane-d4	110	(70-130) %REC	10/18/16 15:45	10/18/16 15:45
		Surr: Toluene-d8	97	(70-130) %REC	10/18/16 15:45	10/18/16 15:45
		Surr: 4-Bromofluorobenzene	106	(70-130) %REC	10/18/16 15:45	10/18/16 15:45
Client ID :	**MW-18(MID)**					
Lab ID :	CHH16100702-05A	TPH-E (DRO)	0.49	0.050 mg/L	10/07/16 12:08	10/08/16 03:58
Date Sampled	10/06/16 12:46	Surr: Nonane	92	(53-145) %REC	10/07/16 12:08	10/08/16 03:58
		TPH-P (GRO)	0.20	0.10 mg/L	10/18/16 14:10	10/18/16 14:10
		Surr: 1,2-Dichloroethane-d4	110	(70-130) %REC	10/18/16 14:10	10/18/16 14:10
		Surr: Toluene-d8	98	(70-130) %REC	10/18/16 14:10	10/18/16 14:10
		Surr: 4-Bromofluorobenzene	106	(70-130) %REC	10/18/16 14:10	10/18/16 14:10
Client ID :	**GMW-28**					
Lab ID :	CHH16100702-06A	TPH-E (DRO)	ND	0.050 mg/L	10/07/16 12:08	10/08/16 04:24
Date Sampled	10/06/16 13:30	Surr: Nonane	95	(53-145) %REC	10/07/16 12:08	10/08/16 04:24
		TPH-P (GRO)	ND	0.050 mg/L	10/17/16 14:40	10/17/16 14:40
		Surr: 1,2-Dichloroethane-d4	112	(70-130) %REC	10/17/16 14:40	10/17/16 14:40
		Surr: Toluene-d8	96	(70-130) %REC	10/17/16 14:40	10/17/16 14:40
		Surr: 4-Bromofluorobenzene	104	(70-130) %REC	10/17/16 14:40	10/17/16 14:40

Alpha Analytical, Inc.
255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Client ID :	**PZ-2**					
Lab ID :	CHH16100702-07A	TPH-E (DRO)	0.55	0.050 mg/L	10/07/16 12:08	10/08/16 04:51
Date Sampled	10/06/16 14:05	Surr: Nonane	97	(53-145) %REC	10/07/16 12:08	10/08/16 04:51
		TPH-P (GRO)	0.41	0.050 mg/L	10/17/16 15:03	10/17/16 15:03
		Surr: 1,2-Dichloroethane-d4	110	(70-130) %REC	10/17/16 15:03	10/17/16 15:03
		Surr: Toluene-d8	97	(70-130) %REC	10/17/16 15:03	10/17/16 15:03
		Surr: 4-Bromofluorobenzene	104	(70-130) %REC	10/17/16 15:03	10/17/16 15:03
Client ID :	**GMW-23**					
Lab ID :	CHH16100702-08A	TPH-E (DRO)	6.1	0.050 mg/L	10/07/16 12:08	10/08/16 05:17
Date Sampled	10/06/16 14:33	Surr: Nonane	96	(53-145) %REC	10/07/16 12:08	10/08/16 05:17
		TPH-P (GRO)	0.13	0.050 mg/L	10/17/16 15:27	10/17/16 15:27
		Surr: 1,2-Dichloroethane-d4	110	(70-130) %REC	10/17/16 15:27	10/17/16 15:27
		Surr: Toluene-d8	97	(70-130) %REC	10/17/16 15:27	10/17/16 15:27
		Surr: 4-Bromofluorobenzene	102	(70-130) %REC	10/17/16 15:27	10/17/16 15:27
Client ID :	**GMW-25**					
Lab ID :	CHH16100702-09A	TPH-E (DRO)	0.78	0.050 mg/L	10/07/16 12:16	10/08/16 15:52
Date Sampled	10/06/16 15:15	Surr: Nonane	90	(53-145) %REC	10/07/16 12:16	10/08/16 15:52
		TPH-P (GRO)	0.070	0.050 mg/L	10/17/16 15:50	10/17/16 15:50
		Surr: 1,2-Dichloroethane-d4	111	(70-130) %REC	10/17/16 15:50	10/17/16 15:50
		Surr: Toluene-d8	97	(70-130) %REC	10/17/16 15:50	10/17/16 15:50
		Surr: 4-Bromofluorobenzene	104	(70-130) %REC	10/17/16 15:50	10/17/16 15:50
Client ID :	**GMW-9**					
Lab ID :	CHH16100702-10A	TPH-E (DRO)	0.14	0.050 mg/L	10/07/16 12:16	10/08/16 16:18
Date Sampled	10/06/16 15:43	Surr: Nonane	97	(53-145) %REC	10/07/16 12:16	10/08/16 16:18
		TPH-P (GRO)	0.067	0.050 mg/L	10/17/16 16:14	10/17/16 16:14
		Surr: 1,2-Dichloroethane-d4	110	(70-130) %REC	10/17/16 16:14	10/17/16 16:14
		Surr: Toluene-d8	98	(70-130) %REC	10/17/16 16:14	10/17/16 16:14
		Surr: 4-Bromofluorobenzene	107	(70-130) %REC	10/17/16 16:14	10/17/16 16:14
Client ID :	**DUP-5**					
Lab ID :	CHH16100702-11A	TPH-E (DRO)	1.1	0.050 mg/L	10/07/16 12:16	10/08/16 16:45
Date Sampled	10/06/16 00:00	Surr: Nonane	105	(53-145) %REC	10/07/16 12:16	10/08/16 16:45
		TPH-P (GRO)	0.95	0.10 mg/L	10/18/16 16:08	10/18/16 16:08
		Surr: 1,2-Dichloroethane-d4	110	(70-130) %REC	10/18/16 16:08	10/18/16 16:08
		Surr: Toluene-d8	97	(70-130) %REC	10/18/16 16:08	10/18/16 16:08
		Surr: 4-Bromofluorobenzene	107	(70-130) %REC	10/18/16 16:08	10/18/16 16:08
Client ID :	**DUP-6**					
Lab ID :	CHH16100702-12A	TPH-E (DRO)	0.70	0.050 mg/L	10/07/16 12:16	10/08/16 17:11
Date Sampled	10/06/16 00:00	Surr: Nonane	99	(53-145) %REC	10/07/16 12:16	10/08/16 17:11
		TPH-P (GRO)	0.37	0.10 mg/L	10/18/16 14:34	10/18/16 14:34
		Surr: 1,2-Dichloroethane-d4	109	(70-130) %REC	10/18/16 14:34	10/18/16 14:34
		Surr: Toluene-d8	97	(70-130) %REC	10/18/16 14:34	10/18/16 14:34
		Surr: 4-Bromofluorobenzene	108	(70-130) %REC	10/18/16 14:34	10/18/16 14:34
Client ID :	**EB-5**					
Lab ID :	CHH16100702-14A	TPH-E (DRO)	ND	0.050 mg/L	10/07/16 12:16	10/08/16 17:38
Date Sampled	10/06/16 16:00	Surr: Nonane	97	(53-145) %REC	10/07/16 12:16	10/08/16 17:38
		TPH-P (GRO)	ND	0.050 mg/L	10/17/16 17:01	10/17/16 17:01
		Surr: 1,2-Dichloroethane-d4	109	(70-130) %REC	10/17/16 17:01	10/17/16 17:01
		Surr: Toluene-d8	97	(70-130) %REC	10/17/16 17:01	10/17/16 17:01
		Surr: 4-Bromofluorobenzene	109	(70-130) %REC	10/17/16 17:01	10/17/16 17:01

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Diesel Range Organics (DRO) C13-C22
Gasoline Range Organics (GRO) C4-C13
ND = Not Detected

Roger Scholl   Randy Gardner

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DoD ELAP

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com
Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.
Statement of Data Authenticity : Alpha Analytical, Inc. attests that the data reported has not been altered an any way.
Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

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10/20/16
Report Date

Alpha Analytical, Inc.

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ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100702-01A
Client I.D. Number: GMW-26

Sampled: 10/06/16 08:05
Received: 10/07/16
Extracted: 10/17/16 13:29
Analyzed: 10/17/16 13:29

Volatile Organics by GC/MS
EPA Method 624/8260

#	Compound	Concentration	Reporting Limit	Units
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	0.64	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	2.0	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	2.3	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	110	(70-130)	%REC
73	Surr: Toluene-d8	97	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	121	(70-130)	%REC

ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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10/20/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100702-02A
Client I.D. Number: HL-3

Sampled: 10/06/16 08:40
Received: 10/07/16
Extracted: 10/17/16 13:52
Analyzed: 10/17/16 13:52

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	109	(70-130)	%REC
73	Surr: Toluene-d8	97	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	108	(70-130)	%REC

ND = Not Detected

Roger Scholl Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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10/20/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100702-03A
Client I.D. Number: GMW-1

Sampled: 10/06/16 09:33
Received: 10/07/16
Extracted: 10/17/16 14:16
Analyzed: 10/17/16 14:16

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	13	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	2.0	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	0.56	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	2.0	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	2.9	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	0.93	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	1.2	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	111	(70-130)	%REC
73	Surr: Toluene-d8	96	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	110	(70-130)	%REC

ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Statement of Data Authenticity : Alpha Analytical, Inc. attests that the data reported has not been altered in any way.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

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NELAP ACCREDITED TNI LABORATORY

yy

10/20/16
Report Date

Alpha Analytical, Inc.

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ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100702-04A
Client I.D. Number: PZ-5

Sampled: 10/06/16 10:37
Received: 10/07/16
Extracted: 10/18/16 15:45
Analyzed: 10/18/16 15:45

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	2.0	µg/L
2	Chloromethane	ND	8.0	µg/L
3	Vinyl chloride	ND	2.0	µg/L
4	Chloroethane	ND	2.0	µg/L
5	Bromomethane	ND	8.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	40	µg/L
8	1,1-Dichloroethene	ND	2.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	110,000 *	2,000	µg/L
10	Dichloromethane	ND	8.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	10	µg/L
13	trans-1,2-Dichloroethene	ND	2.0	µg/L
14	Methyl tert-butyl ether (MTBE)	7.2	1.0	µg/L
15	1,1-Dichloroethane	ND	2.0	µg/L
16	Vinyl acetate	ND	200	µg/L
17	2-Butanone (MEK)	ND	40	µg/L
18	Di-isopropyl Ether (DIPE)	ND	2.0	µg/L
19	cis-1,2-Dichloroethene	ND	2.0	µg/L
20	Bromochloromethane	ND	2.0	µg/L
21	Chloroform	ND	2.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	2.7	2.0	µg/L
23	2,2-Dichloropropane	ND	2.0	µg/L
24	1,2-Dichloroethane	ND	2.0	µg/L
25	1,1,1-Trichloroethane	ND	2.0	µg/L
26	1,1-Dichloropropene	ND	2.0	µg/L
27	Carbon tetrachloride	ND	2.0	µg/L
28	Benzene	ND	1.0	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	2.0	µg/L
30	Dibromomethane	ND	2.0	µg/L
31	1,2-Dichloropropane	ND	2.0	µg/L
32	Trichloroethene	ND	2.0	µg/L
33	Bromodichloromethane	ND	2.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	2.0	µg/L
36	trans-1,3-Dichloropropene	ND	2.0	µg/L
37	1,1,2-Trichloroethane	ND	2.0	µg/L
38	Toluene	ND	1.0	µg/L
39	1,3-Dichloropropane	ND	2.0	µg/L
40	2-Hexanone	ND	20	µg/L
41	Dibromochloromethane	ND	2.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	4.0	µg/L
43	Tetrachloroethene	ND	2.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	2.0	µg/L

	Compound	Concentration	Reporting Limit	
45	Chlorobenzene	ND	2.0	µg/L
46	Ethylbenzene	ND	1.0	µg/L
47	m,p-Xylene	1.4	1.0	µg/L
48	Bromoform	ND	2.0	µg/L
49	Xylenes, Total	1.4	1.0	µg/L
50	Styrene	ND	2.0	µg/L
51	o-Xylene	ND	1.0	µg/L
52	1,1,2,2-Tetrachloroethane	ND	2.0	µg/L
53	1,2,3-Trichloropropane	ND	8.0	µg/L
54	Isopropylbenzene	ND	2.0	µg/L
55	Bromobenzene	ND	2.0	µg/L
56	n-Propylbenzene	ND	2.0	µg/L
57	4-Chlorotoluene	ND	2.0	µg/L
58	2-Chlorotoluene	ND	2.0	µg/L
59	1,3,5-Trimethylbenzene	ND	2.0	µg/L
60	tert-Butylbenzene	ND	2.0	µg/L
61	1,2,4-Trimethylbenzene	2.6	2.0	µg/L
62	sec-Butylbenzene	ND	2.0	µg/L
63	1,3-Dichlorobenzene	ND	2.0	µg/L
64	1,4-Dichlorobenzene	ND	2.0	µg/L
65	4-Isopropyltoluene	ND	2.0	µg/L
66	1,2-Dichlorobenzene	ND	2.0	µg/L
67	n-Butylbenzene	ND	2.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	12	µg/L
69	1,2,4-Trichlorobenzene	ND	8.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	8.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	87	(70-130)	%REC
73	Surr: 1,2-Dichloroethane-d4	110	(70-130)	%REC
74	Surr: Toluene-d8	106	(70-130)	%REC
75	Surr: Toluene-d8	97	(70-130)	%REC
76	Surr: 4-Bromofluorobenzene	106	(70-130)	%REC
77	Surr: 4-Bromofluorobenzene	81	(70-130)	%REC

*This analyte was analyzed separately on 10/19/16 in order to achieve lower reporting limits for the other analytes.
Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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10/20/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
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ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100702-05A
Client I.D. Number: MW-18(MID)

Sampled: 10/06/16 12:46
Received: 10/07/16
Extracted: 10/18/16 14:10
Analyzed: 10/18/16 14:10

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	4.0	µg/L
3	Vinyl chloride	ND	1.0	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	4.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	20	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	55	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	5.0	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	2.7	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	100	µg/L
17	2-Butanone (MEK)	ND	20	µg/L
18	Di-isopropyl Ether (DIPE)	1.3	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	1.0	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	6.1	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	1.0	µg/L
36	trans-1,3-Dichloropropene	ND	1.0	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	10	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L

	Compound	Concentration	Reporting Limit	
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	1.0	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	1.5	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	0.50	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	4.0	µg/L
54	Isopropylbenzene	3.4	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	1.6	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	6.0	µg/L
69	1,2,4-Trichlorobenzene	ND	4.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	4.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	110	(70-130)	%REC
73	Surr: Toluene-d8	98	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	106	(70-130)	%REC

Some Reporting Limits were increased due to sample foaming.

ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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10/20/16
Report Date

Alpha Analytical, Inc.

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ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100702-06A
Client I.D. Number: GMW-28

Sampled: 10/06/16 13:30
Received: 10/07/16
Extracted: 10/17/16 14:40
Analyzed: 10/17/16 14:40

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	46	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	1.6	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	19	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	112	(70-130)	%REC
73	Surr: Toluene-d8	96	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	104	(70-130)	%REC

ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Statement of Data Authenticity : Alpha Analytical, Inc. attests that the data reported has not been altered an any way.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

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10/20/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100702-07A
Client I.D. Number: PZ-2

Sampled: 10/06/16 14:05
Received: 10/07/16
Extracted: 10/17/16 15:03
Analyzed: 10/17/16 15:03

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	23	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	1.7	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	3.5	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	0.84	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L

	Compound	Concentration	Reporting Limit	
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	8.2	0.50	µg/L
47	m,p-Xylene	16	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	22	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	6.1	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	3.0	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	3.5	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	6.3	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	12	1.0	µg/L
62	sec-Butylbenzene	1.0	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	110	(70-130)	%REC
73	Surr: Toluene-d8	97	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	104	(70-130)	%REC

ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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10/20/16
Report Date

Alpha Analytical, Inc.

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ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100702-08A
Client I.D. Number: GMW-23

Sampled: 10/06/16 14:33
Received: 10/07/16
Extracted: 10/17/16 15:27
Analyzed: 10/17/16 15:27

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	14	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	4.8	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	2.9	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	110	(70-130)	%REC
73	Surr: Toluene-d8	97	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	102	(70-130)	%REC

ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

ACLASS ACCREDITED DoD ELAP

NELAP ACCREDITED LABORATORY

10/20/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100702-09A
Client I.D. Number: GMW-25

Sampled: 10/06/16 15:15
Received: 10/07/16
Extracted: 10/17/16 15:50
Analyzed: 10/17/16 15:50

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	18	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	0.50	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	1.2	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	0.88	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	0.59	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	1.1	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	0.51	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	111	(70-130)	%REC
73	Surr: Toluene-d8	97	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	104	(70-130)	%REC

ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

10/20/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100702-10A
Client I.D. Number: GMW-9

Sampled: 10/06/16 15:43
Received: 10/07/16
Extracted: 10/17/16 16:14
Analyzed: 10/17/16 16:14

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	110	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	0.84	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	13	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	0.64	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	4.6	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L

	Compound	Concentration	Reporting Limit	
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	110	(70-130)	%REC
73	Surr: Toluene-d8	98	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	107	(70-130)	%REC

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager
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Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.
Statement of Data Authenticity : Alpha Analytical, Inc. attests that the data reported has not been altered an any way.
Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

ACLASS ACCREDITED DoD ELAP

NELAP ACCREDITED LABORATORY TNI

10/20/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100702-11A
Client I.D. Number: DUP-5

Sampled: 10/06/16 00:00
Received: 10/07/16
Extracted: 10/18/16 16:08
Analyzed: 10/18/16 16:08

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	4.0	µg/L
3	Vinyl chloride	ND	1.0	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	4.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	20	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	130,000 *	1,000	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	5.0	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	6.5	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	100	µg/L
17	2-Butanone (MEK)	ND	20	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	2.5	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	1.0	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	1.0	µg/L
36	trans-1,3-Dichloropropene	ND	1.0	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	10	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	0.86	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	0.86	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	4.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	2.3	1.0	µg/L
62	sec-Butylbenzene	1.2	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	6.0	µg/L
69	1,2,4-Trichlorobenzene	ND	4.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	4.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	89	(70-130)	%REC
73	Surr: 1,2-Dichloroethane-d4	110	(70-130)	%REC
74	Surr: Toluene-d8	107	(70-130)	%REC
75	Surr: Toluene-d8	97	(70-130)	%REC
76	Surr: 4-Bromofluorobenzene	107	(70-130)	%REC
77	Surr: 4-Bromofluorobenzene	82	(70-130)	%REC

Some Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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NELAP ACCREDITED TNI LABORATORY

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10/20/16
Report Date

Alpha Analytical, Inc.

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ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100702-12A
Client I.D. Number: DUP-6

Sampled: 10/06/16 00:00
Received: 10/07/16
Extracted: 10/18/16 14:34
Analyzed: 10/18/16 14:34

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	4.0	µg/L
3	Vinyl chloride	ND	1.0	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	4.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	20	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	21	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	5.0	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	1.6	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	100	µg/L
17	2-Butanone (MEK)	ND	20	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	1.0	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	3.1	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	1.0	µg/L
36	trans-1,3-Dichloropropene	ND	1.0	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	0.80	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	10	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	7.0	0.50	µg/L
47	m,p-Xylene	14	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	20	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	5.5	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	4.0	µg/L
54	Isopropylbenzene	2.7	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	3.1	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	5.8	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	10	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	6.0	µg/L
69	1,2,4-Trichlorobenzene	ND	4.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	4.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	109	(70-130)	%REC
73	Surr: Toluene-d8	97	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	108	(70-130)	%REC

Some Reporting Limits were increased due to sample foaming.

ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

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NELAP ACCREDITED LABORATORY TNI

RG

10/20/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100702-13A
Client I.D. Number: TB-3

Sampled: 10/06/16 07:15
Received: 10/07/16
Extracted: 10/17/16 16:37
Analyzed: 10/17/16 16:37

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	112	(70-130)	%REC
73	Surr: Toluene-d8	97	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	103	(70-130)	%REC

ND = Not Detected

Roger Scholl Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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10/20/16
Report Date

Alpha Analytical, Inc.
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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16100702-14A
Client I.D. Number: EB-5

Sampled: 10/06/16 16:00
Received: 10/07/16
Extracted: 10/17/16 17:01
Analyzed: 10/17/16 17:01

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	109	(70-130)	%REC
73	Surr: Toluene-d8	97	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	109	(70-130)	%REC

ND = Not Detected

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Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Statement of Data Authenticity : Alpha Analytical, Inc. attests that the data reported has not been altered an any way.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

10/20/16
Report Date

Alpha Analytical, Inc.
255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

VOC Sample Preservation Report

Work Order: CHH16100702 **Job:** KMEP DFSP Norwalk

Alpha's Sample ID	Client's Sample ID	Matrix	pH
16100702-01A	GMW-26	Aqueous	2
16100702-02A	HL-3	Aqueous	2
16100702-03A	GMW-1	Aqueous	2
16100702-04A	PZ-5	Aqueous	2
16100702-05A	MW-18(MID)	Aqueous	2
16100702-06A	GMW-28	Aqueous	2
16100702-07A	PZ-2	Aqueous	2
16100702-08A	GMW-23	Aqueous	2
16100702-09A	GMW-25	Aqueous	2
16100702-10A	GMW-9	Aqueous	2
16100702-11A	DUP-5	Aqueous	2
16100702-12A	DUP-6	Aqueous	2
16100702-13A	TB-3	Aqueous	2
16100702-14A	EB-5	Aqueous	2

10/20/16
Report Date

Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *26-Oct-16*

QC Summary Report

Work Order: 16100702

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B/C Ext**
File ID: **1** Batch ID: **37285** Analysis Date: **10/07/2016 17:46**
Sample ID: **MBLK-37285** Units : **mg/L** Run ID: **MANUAL_161008A** Prep Date: **10/07/2016 12:08**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	ND	0.05								
Surr: Nonane	0.138		0.15		92	35	151			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B/C Ext**
File ID: **2** Batch ID: **37285** Analysis Date: **10/07/2016 18:13**
Sample ID: **LCS-37285** Units : **mg/L** Run ID: **MANUAL_161008A** Prep Date: **10/07/2016 12:08**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.92	0.05	2.5		117	73	135			
Surr: Nonane	0.146		0.15		97	35	151			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B/C Ext**
File ID: **4** Batch ID: **37285** Analysis Date: **10/07/2016 19:06**
Sample ID: **16100605-04AMS** Units : **mg/L** Run ID: **MANUAL_161008A** Prep Date: **10/07/2016 12:08**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.83	0.1	2.5	0	113	64	161			
Surr: Nonane	0.274		0.3		91	33	162			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B/C Ext**
File ID: **5** Batch ID: **37285** Analysis Date: **10/07/2016 19:32**
Sample ID: **16100605-04AMSD** Units : **mg/L** Run ID: **MANUAL_161008A** Prep Date: **10/07/2016 12:08**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.75	0.1	2.5	0	110	64	161	2.825	2.7(40)	
Surr: Nonane	0.257		0.3		86	33	162			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Oil Range Organics (ORO) C22-C40+
Jet Fuel Range Organics (JFRO) C9-C22. JFRO determination is based on its chromatographic fingerprint.
Diesel Range Organics (DRO) C13-C22

Alpha Analytical, Inc.

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Date: *26-Oct-16*

QC Summary Report

Work Order: 16100702

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B/C Ext**
File ID: **25** Batch ID: **37286** Analysis Date: **10/08/2016 07:03**
Sample ID: **MBLK-37286** Units : **mg/L** Run ID: **MANUAL_161008A** Prep Date: **10/07/2016 12:16**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	ND	0.05								
Surr: Nonane	0.14		0.15		93	35	151			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B/C Ext**
File ID: **26** Batch ID: **37286** Analysis Date: **10/08/2016 07:30**
Sample ID: **LCS-37286** Units : **mg/L** Run ID: **MANUAL_161008A** Prep Date: **10/07/2016 12:16**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	3.22	0.05	2.5		129	73	135			
Surr: Nonane	0.151		0.15		101	35	151			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B/C Ext**
File ID: **28** Batch ID: **37286** Analysis Date: **10/08/2016 08:23**
Sample ID: **16100625-02AMS** Units : **mg/L** Run ID: **MANUAL_161008A** Prep Date: **10/07/2016 12:16**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.94	0.1	2.5	0	118	64	161			
Surr: Nonane	0.241		0.3		80	33	162			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B/C Ext**
File ID: **29** Batch ID: **37286** Analysis Date: **10/08/2016 08:49**
Sample ID: **16100625-02AMSD** Units : **mg/L** Run ID: **MANUAL_161008A** Prep Date: **10/07/2016 12:16**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.81	0.1	2.5	0	112	64	161	2.94	4.5(40)	
Surr: Nonane	0.198		0.3		66	33	162			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Oil Range Organics (ORO) C22-C40+
Jet Fuel Range Organics (JFRO) C9-C22. JFRO determination is based on its chromatographic fingerprint.
Diesel Range Organics (DRO) C13-C22

Alpha Analytical, Inc.

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Date: 26-Oct-16

QC Summary Report

Work Order: 16100702

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B/C / SW8260B**
File ID: **40** Batch ID: **MS15W1017B** Analysis Date: **10/17/2016 12:09**
Sample ID: **MBLK MS15W1017B** Units : **mg/L** Run ID: **MANUAL_161017G** Prep Date: **10/17/2016 12:09**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	0.05								
Surr: 1,2-Dichloroethane-d4	0.0108		0.01		108	70	130			
Surr: Toluene-d8	0.00974		0.01		97	70	130			
Surr: 4-Bromofluorobenzene	0.0114		0.01		114	70	130			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B/C / SW8260B**
File ID: **40** Batch ID: **MS15W1017B** Analysis Date: **10/17/2016 11:22**
Sample ID: **GLCS MS15W1017B** Units : **mg/L** Run ID: **MANUAL_161017G** Prep Date: **10/17/2016 11:22**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	0.425	0.05	0.4		106	70	130			
Surr: 1,2-Dichloroethane-d4	0.0104		0.01		104	70	130			
Surr: Toluene-d8	0.00975		0.01		98	70	130			
Surr: 4-Bromofluorobenzene	0.0123		0.01		123	70	130			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B/C / SW8260B**
File ID: **41** Batch ID: **MS15W1017B** Analysis Date: **10/18/2016 16:32**
Sample ID: **16100702-01AGS** Units : **mg/L** Run ID: **MANUAL_161017G** Prep Date: **10/18/2016 16:32**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.3	0.25	2	0	65	46	167			
Surr: 1,2-Dichloroethane-d4	0.0558		0.05		112	70	130			
Surr: Toluene-d8	0.0474		0.05		95	70	130			
Surr: 4-Bromofluorobenzene	0.0547		0.05		109	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B/C / SW8260B**
File ID: **42** Batch ID: **MS15W1017B** Analysis Date: **10/18/2016 17:42**
Sample ID: **16100702-01AGSD** Units : **mg/L** Run ID: **MANUAL_161017G** Prep Date: **10/18/2016 17:42**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.41	0.25	2	0	70	54	143	1.301	7.8(23)	
Surr: 1,2-Dichloroethane-d4	0.0561		0.05		112	70	130			
Surr: Toluene-d8	0.0475		0.05		95	70	130			
Surr: 4-Bromofluorobenzene	0.0537		0.05		107	70	130			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Gasoline Range Organics (GRO) C4-C13
Gasoline Range Organics (GRO) C4-C13
Aeronautic Gas Range Orgnics (AGRO) C4-C10

Alpha Analytical, Inc.

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Date: 26-Oct-16

QC Summary Report

Work Order: 16100702

Method Blank — Type **MBLK** — Test Code: **EPA Method SW8260B**

File ID: **2** — Batch ID: **MS09W1019A** — Analysis Date: **10/19/2016 11:29**

Sample ID: **MBLK MS09W1019A** — Units : **µg/L** — Run ID: **MANUAL_161019A** — Prep Date: **10/19/2016 11:29**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	ND	1								
Chloromethane	ND	2								
Vinyl chloride	ND	0.5								
Chloroethane	ND	1								
Bromomethane	ND	2								
Trichlorofluoromethane	ND	10								
Acetone	ND	10								
1,1-Dichloroethene	ND	1								
Tertiary Butyl Alcohol (TBA)	ND	10								
Dichloromethane	ND	5								
Freon-113	ND	10								
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	0.5								
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	10								
cis-1,3-Dichloropropene	ND	0.5								
trans-1,3-Dichloropropene	ND	0.5								
1,1,2-Trichloroethane	ND	1								
Toluene	ND	0.5								
1,3-Dichloropropane	ND	1								
2-Hexanone	ND	5								
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								
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	5				
1,2,4-Trichlorobenzene	ND	2				
Naphthalene	ND	10				
1,2,3-Trichlorobenzene	ND	2				
Xylenes, Total	ND	0.5				
Surr: 1,2-Dichloroethane-d4	8.77		10	88	70	130
Surr: Toluene-d8	10.7		10	107	70	130
Surr: 4-Bromofluorobenzene	8.31		10	83	70	130

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Date: *26-Oct-16*

QC Summary Report

Work Order: 16100702

Laboratory Control Spike Type **LCS** Test Code: **EPA Method SW8260B**

File ID: **1** Batch ID: **MS09W1019A** Analysis Date: **10/19/2016 10:39**

Sample ID: **LCS MS09W1019A** Units : **µg/L** Run ID: **MANUAL_161019A** Prep Date: **10/19/2016 10:39**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	14.8	1	10		148	32	145			L51
Chloromethane	8.65	2	10		87	40	145			
Vinyl chloride	9.44	1	10		94	70	130			
Chloroethane	10.3	1	10		103	38	156			
Bromomethane	3.81	2	10		38	13	162			
Trichlorofluoromethane	10.9	1	10		109	46	154			
Acetone	182	10	200		91	22	188			
1,1-Dichloroethene	10.5	1	10		105	70	130			
Tertiary Butyl Alcohol (TBA)	103	10	100		103	48	148			
Dichloromethane	8.91	2	10		89	69	130			
Freon-113	12.2	1	10		122	70	136			
trans-1,2-Dichloroethene	10	1	10		100	70	130			
Methyl tert-butyl ether (MTBE)	8.17	0.5	10		82	63	137			
1,1-Dichloroethane	9.29	1	10		93	70	130			
2-Butanone (MEK)	176	10	200		88	26	183			
Di-isopropyl Ether (DIPE)	8.77	1	10		88	69	133			
cis-1,2-Dichloroethene	9.91	1	10		99	70	130			
Bromochloromethane	8.59	1	10		86	70	133			
Chloroform	9.16	1	10		92	70	130			
Ethyl Tertiary Butyl Ether (ETBE)	9.31	1	10		93	66	135			
2,2-Dichloropropane	11.6	1	10		116	70	149			
1,2-Dichloroethane	8.87	1	10		89	70	133			
1,1,1-Trichloroethane	10.1	1	10		101	70	135			
1,1-Dichloropropene	10.1	1	10		101	70	130			
Carbon tetrachloride	10.3	1	10		103	63	143			
Benzene	9.69	0.5	10		97	70	130			
Tertiary Amyl Methyl Ether (TAME)	9.33	1	10		93	70	133			
Dibromomethane	8.6	1	10		86	70	130			
1,2-Dichloropropane	9.04	1	10		90	70	130			
Trichloroethene	10.2	1	10		102	68	138			
Bromodichloromethane	9.13	1	10		91	58	147			
4-Methyl-2-pentanone (MIBK)	20.8	2.5	25		83	59	140			
cis-1,3-Dichloropropene	9.12	1	10		91	70	130			
trans-1,3-Dichloropropene	8.47	1	10		85	70	131			
1,1,2-Trichloroethane	8.01	1	10		80	70	130			
Toluene	9.56	0.5	10		96	70	130			
1,3-Dichloropropane	8.32	1	10		83	70	130			
2-Hexanone	78	5	100		78	48	157			
Dibromochloromethane	8.82	1	10		88	49	147			
1,2-Dibromoethane (EDB)	16.6	2	20		83	70	131			
Tetrachloroethene	12	1	10		120	70	130			
1,1,1,2-Tetrachloroethane	9.03	1	10		90	70	130			
Chlorobenzene	8.65	1	10		87	70	130			
Ethylbenzene	9.47	0.5	10		95	70	130			
m,p-Xylene	9.57	0.5	10		96	65	139			
Bromoform	9.64	1	10		96	60	144			
Styrene	8.27	1	10		83	55	144			
o-Xylene	9.2	0.5	10		92	70	130			
1,1,2,2-Tetrachloroethane	7.7	1	10		77	70	130			
1,2,3-Trichloropropane	15.2	2	20		76	70	130			
Isopropylbenzene	9.99	1	10		99.9	69	136			
Bromobenzene	9.21	1	10		92	70	130			
n-Propylbenzene	8.82	1	10		88	70	132			
4-Chlorotoluene	8.67	1	10		87	70	132			
2-Chlorotoluene	8.6	1	10		86	70	130			
1,3,5-Trimethylbenzene	9.03	1	10		90	70	134			
tert-Butylbenzene	9.02	1	10		90	63	139			
1,2,4-Trimethylbenzene	9.06	1	10		91	70	133			
sec-Butylbenzene	8.9	1	10		89	70	132			
1,3-Dichlorobenzene	8.49	1	10		85	70	130			
1,4-Dichlorobenzene	8.54	1	10		85	70	130			
4-Isopropyltoluene	9.35	1	10		94	40	161			
1,2-Dichlorobenzene	8.03	1	10		80	70	130			
n-Butylbenzene	8.13	1	10		81	69	134			
1,2-Dibromo-3-chloropropane (DBCP)	38.8	3	50		78	67	130			

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QC Summary Report

Work Order: 16100702

1,2,4-Trichlorobenzene	7.12	2	10	71	62	131	
Naphthalene	5.13	2	10	51	39	149	
1,2,3-Trichlorobenzene	5.27	2	10	53	54	135	L50
Xylenes, Total	18.8	0.5	20	94	70	130	
Surr: 1,2-Dichloroethane-d4	8.38		10	84	70	130	
Surr: Toluene-d8	10.7		10	107	70	130	
Surr: 4-Bromofluorobenzene	8.35		10	84	70	130	

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Date: 26-Oct-16

QC Summary Report

Work Order: 16100702

Sample Matrix Spike Type **MS** Test Code: **EPA Method SW8260B**
File ID: **16101926.D** Batch ID: **MS09W1019A** Analysis Date: **10/19/2016 20:31**
Sample ID: **1610035-06AMS** Units : **µg/L** Run ID: **MANUAL_161019A** Prep Date: **10/19/2016 20:31**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	64.2	2.5	50	0	128	12	150			
Chloromethane	55	10	50	0	110	26	146			
Vinyl chloride	54.7	2.5	50	0	109	46	142			
Chloroethane	68.9	2.5	50	0	138	25	164			
Bromomethane	22.3	10	50	460	-880	10	172			M3
Trichlorofluoromethane	64	2.5	50	0	128	32	164			
Acetone	1300	50	1000	0	130	10	188			
1,1-Dichloroethene	59.6	2.5	50	0	119	62	133			
Tertiary Butyl Alcohol (TBA)	744	25	500	111200	-22000	44	155			M3
Dichloromethane	56	10	50	0	112	69	130			
Freon-113	50.7	2.5	50	0	101	56	144			
trans-1,2-Dichloroethene	59.1	2.5	50	0	118	67	131			
Methyl tert-butyl ether (MTBE)	55.7	1.3	50	0	111	56	140			
1,1-Dichloroethane	62.5	2.5	50	0	125	67	130			
2-Butanone (MEK)	1210	50	1000	0	121	26	183			
Di-isopropyl Ether (DIPE)	62.1	2.5	50	0	124	59	138			
cis-1,2-Dichloroethene	61.2	2.5	50	0	122	70	130			
Bromochloromethane	54	2.5	50	0	108	70	134			
Chloroform	66.5	2.5	50	0	133	69	130			M1
Ethyl Tertiary Butyl Ether (ETBE)	62.7	2.5	50	0	125	62	135			
2,2-Dichloropropane	57.3	2.5	50	0	115	44	149			
1,2-Dichloroethane	68.4	2.5	50	0	137	64	139			
1,1,1-Trichloroethane	66.9	2.5	50	0	134	65	139			
1,1-Dichloropropene	62.5	2.5	50	0	125	68	134			
Carbon tetrachloride	67.2	2.5	50	0	134	56	146			
Benzene	60.7	1.3	50	0	121	67	134			
Tertiary Amyl Methyl Ether (TAME)	62.3	2.5	50	0	125	64	135			
Dibromomethane	60.8	2.5	50	0	122	70	132			
1,2-Dichloropropane	65.9	2.5	50	0	132	69	134			
Trichloroethene	58.7	2.5	50	0	117	68	138			
Bromodichloromethane	63.8	2.5	50	0	128	58	147			
4-Methyl-2-pentanone (MIBK)	162	13	125	0	129	49	140			
cis-1,3-Dichloropropene	55.8	2.5	50	0	112	61	130			
trans-1,3-Dichloropropene	53.3	2.5	50	0	107	62	131			
1,1,2-Trichloroethane	50.8	2.5	50	0	102	70	131			
Toluene	59.2	1.3	50	0	118	38	130			
1,3-Dichloropropane	53.6	2.5	50	0	107	70	130			
2-Hexanone	576	25	500	0	115	25	157			
Dibromochloromethane	54.5	2.5	50	0	109	49	147			
1,2-Dibromoethane (EDB)	104	5	100	0	104	70	131			
Tetrachloroethene	67.6	2.5	50	0	135	63	134			M1
1,1,1,2-Tetrachloroethane	55.4	2.5	50	0	111	70	133			
Chlorobenzene	50.9	2.5	50	0	102	70	130			
Ethylbenzene	56.1	1.3	50	0	112	70	130			
m,p-Xylene	53.7	1.3	50	0	107	65	139			
Bromoform	58	2.5	50	0	116	60	144			
Styrene	47.3	2.5	50	0	95	53	144			
o-Xylene	53.5	1.3	50	0	107	69	130			
1,1,2,2-Tetrachloroethane	49.6	2.5	50	0	99	67	134			
1,2,3-Trichloropropane	102	10	100	0	102	70	130			
Isopropylbenzene	56.7	2.5	50	0	113	64	136			
Bromobenzene	52.7	2.5	50	0	105	69	130			
n-Propylbenzene	46.6	2.5	50	0	93	65	132			
4-Chlorotoluene	48.7	2.5	50	0	97	69	132			
2-Chlorotoluene	48.6	2.5	50	0	97	69	130			
1,3,5-Trimethylbenzene	50.6	2.5	50	0	101	64	135			
tert-Butylbenzene	50.2	2.5	50	0	100	63	139			
1,2,4-Trimethylbenzene	50.4	2.5	50	0	101	62	135			
sec-Butylbenzene	46.8	2.5	50	0	94	68	132			
1,3-Dichlorobenzene	45.1	2.5	50	0	90	70	130			
1,4-Dichlorobenzene	45.7	2.5	50	0	91	70	130			
4-Isopropyltoluene	48.9	2.5	50	0	98	40	161			
1,2-Dichlorobenzene	45	2.5	50	0	90	70	130			
n-Butylbenzene	42.1	2.5	50	0	84	58	135			
1,2-Dibromo-3-chloropropane (DBCP)	237	15	250	0	95	63	131			

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1,2,4-Trichlorobenzene	36.8	10	50	0	74	57	134
Naphthalene	29.8	10	50	0	60	31	157
1,2,3-Trichlorobenzene	29.3	10	50	0	59	52	138
Xylenes, Total	107	1.3	100	0	107	70	130
Surr: 1,2-Dichloroethane-d4	51.7		50		103	70	130
Surr: Toluene-d8	51		50		102	70	130
Surr: 4-Bromofluorobenzene	40.5		50		81	70	130

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Date: *26-Oct-16*

QC Summary Report

Work Order: 16100702

Sample Matrix Spike Duplicate Type **MSD** Test Code: **EPA Method SW8260B**

File ID: **16101927.D** Batch ID: **MS09W1019A** Analysis Date: **10/19/2016 20:55**

Sample ID: **1610035-06AMSD** Units : **µg/L** Run ID: **MANUAL_161019A** Prep Date: **10/19/2016 20:55**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	67.5	2.5	50	0	135	12	150	64.15	5.1(38)	
Chloromethane	58.7	10	50	0	117	26	146	54.96	6.5(31)	
Vinyl chloride	59.5	2.5	50	0	119	46	142	54.68	8.4(25)	
Chloroethane	70.7	2.5	50	0	141	25	164	68.94	2.6(40)	
Bromomethane	28.2	10	50	460	-860	10	172	22.26	23.5(40)	M3
Trichlorofluoromethane	63.4	2.5	50	0	127	32	164	64.01	1.0(34)	
Acetone	1350	50	1000	0	135	10	188	1295	4.0(39)	
1,1-Dichloroethene	59.4	2.5	50	0	119	62	133	59.64	0.5(35)	
Tertiary Butyl Alcohol (TBA)	770	25	500	111200	-22000	44	155	744.4	3.4(33)	M3
Dichloromethane	57.8	10	50	0	116	69	130	56.02	3.1(26)	
Freon-113	51.3	2.5	50	0	103	56	144	50.72	1.0(40)	
trans-1,2-Dichloroethene	59.3	2.5	50	0	119	67	131	59.13	0.3(27)	
Methyl tert-butyl ether (MTBE)	58.6	1.3	50	0	117	56	140	55.72	5.1(40)	
1,1-Dichloroethane	63.9	2.5	50	0	128	67	130	62.54	2.2(20)	
2-Butanone (MEK)	1270	50	1000	0	127	26	183	1206	4.9(22)	
Di-isopropyl Ether (DIPE)	64.4	2.5	50	0	129	59	138	62.1	3.7(20)	
cis-1,2-Dichloroethene	62.6	2.5	50	0	125	70	130	61.22	2.2(20)	
Bromochloromethane	59.5	2.5	50	0	119	70	134	53.98	9.8(20)	
Chloroform	66.9	2.5	50	0	134	69	130	66.53	0.6(22)	M1
Ethyl Tertiary Butyl Ether (ETBE)	66.1	2.5	50	0	132	62	135	62.68	5.4(40)	
2,2-Dichloropropane	56.8	2.5	50	0	114	44	149	57.33	1.0(23)	
1,2-Dichloroethane	70.8	2.5	50	0	142	64	139	68.37	3.5(20)	M1
1,1,1-Trichloroethane	67.3	2.5	50	0	135	65	139	66.87	0.7(20)	
1,1-Dichloropropene	61.7	2.5	50	0	123	68	134	62.51	1.3(20)	
Carbon tetrachloride	66.9	2.5	50	0	134	56	146	67.21	0.5(21)	
Benzene	62.1	1.3	50	0	124	67	134	60.73	2.3(21)	
Tertiary Amyl Methyl Ether (TAME)	65.4	2.5	50	0	131	64	135	62.32	4.8(31)	
Dibromomethane	63.4	2.5	50	0	127	70	132	60.77	4.3(20)	
1,2-Dichloropropane	66.2	2.5	50	0	132	69	134	65.91	0.5(20)	
Trichloroethene	59.7	2.5	50	0	119	68	138	58.69	1.7(20)	
Bromodichloromethane	65.4	2.5	50	0	131	58	147	63.83	2.4(20)	
4-Methyl-2-pentanone (MIBK)	171	13	125	0	137	49	140	161.7	5.4(24)	
cis-1,3-Dichloropropene	57.6	2.5	50	0	115	61	130	55.8	3.2(20)	
trans-1,3-Dichloropropene	55.1	2.5	50	0	110	62	131	53.32	3.3(21)	
1,1,2-Trichloroethane	52.8	2.5	50	0	106	70	131	50.82	3.7(20)	
Toluene	60	1.3	50	0	120	38	130	59.2	1.3(20)	
1,3-Dichloropropane	55.6	2.5	50	0	111	70	130	53.64	3.5(20)	
2-Hexanone	600	25	500	0	120	25	157	575.8	4.2(23)	
Dibromochloromethane	57.4	2.5	50	0	115	49	147	54.51	5.2(20)	
1,2-Dibromoethane (EDB)	109	5	100	0	109	70	131	104.4	3.8(20)	
Tetrachloroethene	65.9	2.5	50	0	132	63	134	67.58	2.6(20)	
1,1,1,2-Tetrachloroethane	56.8	2.5	50	0	114	70	133	55.36	2.5(20)	
Chlorobenzene	51.2	2.5	50	0	102	70	130	50.86	0.7(20)	
Ethylbenzene	55.6	1.3	50	0	111	70	130	56.05	0.7(20)	
m,p-Xylene	52.9	1.3	50	0	106	65	139	53.72	1.5(20)	
Bromoform	60.2	2.5	50	0	120	60	144	58.03	3.7(21)	
Styrene	48.1	2.5	50	0	96	53	144	47.34	1.5(31)	
o-Xylene	53.9	1.3	50	0	108	69	130	53.51	0.6(20)	
1,1,2,2-Tetrachloroethane	54.7	2.5	50	0	109	67	134	49.56	9.8(20)	
1,2,3-Trichloropropane	110	10	100	0	110	70	130	102.2	7.5(20)	
Isopropylbenzene	56.6	2.5	50	0	113	64	136	56.65	0.1(20)	
Bromobenzene	53.3	2.5	50	0	107	69	130	52.7	1.1(20)	
n-Propylbenzene	47.7	2.5	50	0	95	65	132	46.57	2.3(40)	
4-Chlorotoluene	50.4	2.5	50	0	101	69	132	48.65	3.5(20)	
2-Chlorotoluene	50.7	2.5	50	0	101	69	130	48.61	4.3(20)	
1,3,5-Trimethylbenzene	52.7	2.5	50	0	105	64	135	50.55	4.2(21)	
tert-Butylbenzene	52.8	2.5	50	0	106	63	139	50.22	5.0(20)	
1,2,4-Trimethylbenzene	53.4	2.5	50	0	107	62	135	50.37	5.9(24)	
sec-Butylbenzene	48	2.5	50	0	96	68	132	46.77	2.5(20)	
1,3-Dichlorobenzene	48.8	2.5	50	0	98	70	130	45.1	7.9(20)	
1,4-Dichlorobenzene	48.4	2.5	50	0	97	70	130	45.74	5.7(20)	
4-Isopropyltoluene	50.7	2.5	50	0	101	40	161	48.86	3.6(22)	
1,2-Dichlorobenzene	50.5	2.5	50	0	101	70	130	45.01	11.4(20)	
n-Butylbenzene	42.7	2.5	50	0	85	58	135	42.13	1.3(24)	
1,2-Dibromo-3-chloropropane (DBCP)	267	15	250	0	107	63	131	236.7	11.9(29)	

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QC Summary Report

Work Order: 16100702

1,2,4-Trichlorobenzene	47.3	10	50	0	95	57	134	36.81	24.9(30)	
Naphthalene	45.3	10	50	0	91	31	157	29.83	41.1(40)	R5
1,2,3-Trichlorobenzene	49.1	10	50	0	98	52	138	29.31	50.4(39)	R5
Xylenes, Total	107	1.3	100	0	107	70	130	107.2	0.4(22)	
Surr: 1,2-Dichloroethane-d4	50.6		50		101	70	130			
Surr: Toluene-d8	49.5		50		99	70	130			
Surr: 4-Bromofluorobenzene	41.8		50		84	70	130			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

R5 = MS/MSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

L50 = Analyte recovery was below acceptance limits for the LCS, but was acceptable in the MS/MSD.

L51 = Analyte recovery was above acceptance limits for the LCS, but was acceptable in the MS/MSD.

M1 = Matrix spike recovery was high, the method control sample recovery was acceptable.

M3 = The accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to the spike level. The method control sample recovery was acceptable.

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QC Summary Report

Work Order: 16100702

Method Blank Type **MBLK** Test Code: **EPA Method SW8260B**

File ID: **1** Batch ID: **MS15W1017A** Analysis Date: **10/17/2016 12:09**

Sample ID: **MBLK MS15W1017A** Units : **µg/L** Run ID: **MANUAL_161017G** Prep Date: **10/17/2016 12:09**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	ND	1								
Chloromethane	ND	2								
Vinyl chloride	ND	0.5								
Chloroethane	ND	1								
Bromomethane	ND	2								
Trichlorofluoromethane	ND	10								
Acetone	ND	10								
1,1-Dichloroethene	ND	1								
Tertiary Butyl Alcohol (TBA)	ND	10								
Dichloromethane	ND	5								
Freon-113	ND	10								
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	0.5								
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	10								
cis-1,3-Dichloropropene	ND	0.5								
trans-1,3-Dichloropropene	ND	0.5								
1,1,2-Trichloroethane	ND	1								
Toluene	ND	0.5								
1,3-Dichloropropane	ND	1								
2-Hexanone	ND	5								
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								
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								

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Work Order: 16100702

n-Butylbenzene	ND	1				
1,2-Dibromo-3-chloropropane (DBCP)	ND	5				
1,2,4-Trichlorobenzene	ND	2				
Naphthalene	ND	10				
1,2,3-Trichlorobenzene	2.2	2				
Xylenes, Total	ND	0.5				
Surr: 1,2-Dichloroethane-d4	10.8		10	108	70	130
Surr: Toluene-d8	9.74		10	97	70	130
Surr: 4-Bromofluorobenzene	11.4		10	114	70	130

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QC Summary Report

Work Order: 16100702

Laboratory Control Spike | Type **LCS** | Test Code: **EPA Method SW8260B**

File ID: **2** | Batch ID: **MS15W1017A** | Analysis Date: **10/17/2016 10:52**

Sample ID: **LCS MS15W1017A** | Units : **µg/L** | Run ID: **MANUAL_161017G** | Prep Date: **10/17/2016 10:52**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	4.98	1	10		50	32	145			
Chloromethane	7.57	2	10		76	40	145			
Vinyl chloride	8.27	1	10		83	70	130			
Chloroethane	9.1	1	10		91	38	156			
Bromomethane	4.19	2	10		42	13	162			
Trichlorofluoromethane	11.4	1	10		114	46	154			
Acetone	208	10	200		104	22	188			
1,1-Dichloroethene	9.94	1	10		99	70	130			
Tertiary Butyl Alcohol (TBA)	109	10	100		109	48	148			
Dichloromethane	10.6	2	10		106	69	130			
Freon-113	10.3	1	10		103	70	136			
trans-1,2-Dichloroethene	10.5	1	10		105	70	130			
Methyl tert-butyl ether (MTBE)	11.7	0.5	10		117	63	137			
1,1-Dichloroethane	11.2	1	10		112	70	130			
2-Butanone (MEK)	224	10	200		112	26	183			
Di-isopropyl Ether (DIPE)	12.4	1	10		124	69	133			
cis-1,2-Dichloroethene	10.8	1	10		108	70	130			
Bromochloromethane	10.6	1	10		106	70	133			
Chloroform	10.5	1	10		105	70	130			
Ethyl Tertiary Butyl Ether (ETBE)	12.2	1	10		122	66	135			
2,2-Dichloropropane	12.7	1	10		127	70	149			
1,2-Dichloroethane	12	1	10		120	70	133			
1,1,1-Trichloroethane	11.5	1	10		115	70	135			
1,1-Dichloropropene	11.5	1	10		115	70	130			
Carbon tetrachloride	11.6	1	10		116	63	143			
Benzene	10.4	0.5	10		104	70	130			
Tertiary Amyl Methyl Ether (TAME)	11.7	1	10		117	70	133			
Dibromomethane	11.6	1	10		116	70	130			
1,2-Dichloropropane	11.5	1	10		115	70	130			
Trichloroethene	10.7	1	10		107	68	138			
Bromodichloromethane	12.1	1	10		121	58	147			
4-Methyl-2-pentanone (MIBK)	27.8	2.5	25		111	59	140			
cis-1,3-Dichloropropene	12.1	1	10		121	70	130			
trans-1,3-Dichloropropene	11	1	10		110	70	131			
1,1,2-Trichloroethane	11.5	1	10		115	70	130			
Toluene	10.9	0.5	10		109	70	130			
1,3-Dichloropropane	11.1	1	10		111	70	130			
2-Hexanone	110	5	100		110	48	157			
Dibromochloromethane	10	1	10		100	49	147			
1,2-Dibromoethane (EDB)	22.3	2	20		111	70	131			
Tetrachloroethene	10.2	1	10		102	70	130			
1,1,1,2-Tetrachloroethane	11.2	1	10		112	70	130			
Chlorobenzene	10.9	1	10		109	70	130			
Ethylbenzene	10.4	0.5	10		104	70	130			
m,p-Xylene	10.1	0.5	10		101	65	139			
Bromoform	9.83	1	10		98	60	144			
Styrene	10	1	10		100	55	144			
o-Xylene	10	0.5	10		100	70	130			
1,1,2,2-Tetrachloroethane	10.3	1	10		103	70	130			
1,2,3-Trichloropropane	21.3	2	20		107	70	130			
Isopropylbenzene	13	1	10		130	69	136			
Bromobenzene	12.9	1	10		129	70	130			
n-Propylbenzene	13.1	1	10		131	70	132			
4-Chlorotoluene	12.7	1	10		127	70	132			
2-Chlorotoluene	13.1	1	10		131	70	130			L51
1,3,5-Trimethylbenzene	13	1	10		130	70	134			
tert-Butylbenzene	12.4	1	10		124	63	139			
1,2,4-Trimethylbenzene	12.9	1	10		129	70	133			
sec-Butylbenzene	12.1	1	10		121	70	132			
1,3-Dichlorobenzene	11.9	1	10		119	70	130			
1,4-Dichlorobenzene	11.2	1	10		112	70	130			
4-Isopropyltoluene	11.8	1	10		118	40	161			
1,2-Dichlorobenzene	10.5	1	10		105	70	130			
n-Butylbenzene	11.4	1	10		114	69	134			
1,2-Dibromo-3-chloropropane (DBCP)	37	3	50		74	67	130			

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1,2,4-Trichlorobenzene	4.57	2	10	46	62	131	L50
Naphthalene	4.65	2	10	47	39	149	
1,2,3-Trichlorobenzene	3.49	2	10	13	54	135	L50
Xylenes, Total	20.1	0.5	20	100	70	130	
Surr: 1,2-Dichloroethane-d4	10.7		10	107	70	130	
Surr: Toluene-d8	9.53		10	95	70	130	
Surr: 4-Bromofluorobenzene	11.9		10	119	70	130	

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QC Summary Report

Work Order: 16100702

Sample Matrix Spike Type **MS** Test Code: **EPA Method SW8260B**

File ID: **4** Batch ID: **MS15W1017A** Analysis Date: **10/19/2016 21:01**

Sample ID: **16100702-01AMS** Units : **µg/L** Run ID: **MANUAL_161017G** Prep Date: **10/19/2016 21:01**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	19.5	2.5	50	0	39	12	150			
Chloromethane	29.1	10	50	0	58	26	146			
Vinyl chloride	35	2.5	50	0	70	46	142			
Chloroethane	25.1	2.5	50	0	50	25	164			
Bromomethane	15.5	10	50	0	31	10	172			
Trichlorofluoromethane	48.5	2.5	50	0	97	32	164			
Acetone	832	50	1000	0	83	10	188			
1,1-Dichloroethene	41.5	2.5	50	0	83	62	133			
Tertiary Butyl Alcohol (TBA)	411	25	500	0	82	44	155			
Dichloromethane	44.7	10	50	0	89	69	130			
Freon-113	43.7	2.5	50	0	87	56	144			
trans-1,2-Dichloroethene	43.8	2.5	50	0	88	67	131			
Methyl tert-butyl ether (MTBE)	50.8	1.3	50	0.64	100	56	140			
1,1-Dichloroethane	47.8	2.5	50	0	96	67	130			
2-Butanone (MEK)	931	50	1000	0	93	26	183			
Di-isopropyl Ether (DIPE)	54.5	2.5	50	2.03	105	59	138			
cis-1,2-Dichloroethene	46.2	2.5	50	0	92	70	130			
Bromochloromethane	45	2.5	50	0	90	70	134			
Chloroform	45	2.5	50	0	90	69	130			
Ethyl Tertiary Butyl Ether (ETBE)	52.1	2.5	50	0	104	62	135			
2,2-Dichloropropane	47.1	2.5	50	0	94	44	149			
1,2-Dichloroethane	55.8	2.5	50	2.31	107	64	139			
1,1,1-Trichloroethane	50.5	2.5	50	0	101	65	139			
1,1-Dichloropropene	48.5	2.5	50	0	97	68	134			
Carbon tetrachloride	49.9	2.5	50	0	99.8	56	146			
Benzene	44.1	1.3	50	0	88	67	134			
Tertiary Amyl Methyl Ether (TAME)	52.5	2.5	50	0	105	64	135			
Dibromomethane	49.1	2.5	50	0	98	70	132			
1,2-Dichloropropane	48.5	2.5	50	0	97	69	134			
Trichloroethene	44.4	2.5	50	0	89	68	138			
Bromodichloromethane	50.8	2.5	50	0	102	58	147			
4-Methyl-2-pentanone (MIBK)	113	13	125	0	91	49	140			
cis-1,3-Dichloropropene	47.1	2.5	50	0	94	61	130			
trans-1,3-Dichloropropene	44	2.5	50	0	88	62	131			
1,1,2-Trichloroethane	48	2.5	50	0	96	70	131			
Toluene	43.6	1.3	50	0	87	38	130			
1,3-Dichloropropane	45.1	2.5	50	0	90	70	130			
2-Hexanone	437	25	500	0	87	25	157			
Dibromochloromethane	39.3	2.5	50	0	79	49	147			
1,2-Dibromoethane (EDB)	88.2	5	100	0	88	70	131			
Tetrachloroethene	41.9	2.5	50	0	84	63	134			
1,1,1,2-Tetrachloroethane	45.6	2.5	50	0	91	70	133			
Chlorobenzene	44.4	2.5	50	0	89	70	130			
Ethylbenzene	41.8	1.3	50	0	84	70	130			
m,p-Xylene	40.4	1.3	50	0	81	65	139			
Bromoform	38.2	2.5	50	0	76	60	144			
Styrene	39.9	2.5	50	0	80	53	144			
o-Xylene	40.2	1.3	50	0	80	69	130			
1,1,2,2-Tetrachloroethane	41.7	2.5	50	0	83	67	134			
1,2,3-Trichloropropane	86.6	10	100	0	87	70	130			
Isopropylbenzene	50.2	2.5	50	0	100	64	136			
Bromobenzene	49.4	2.5	50	0	99	69	130			
n-Propylbenzene	50.6	2.5	50	0	101	65	132			
4-Chlorotoluene	48.3	2.5	50	0	97	69	132			
2-Chlorotoluene	50.5	2.5	50	0	101	69	130			
1,3,5-Trimethylbenzene	50.9	2.5	50	0	102	64	135			
tert-Butylbenzene	48.7	2.5	50	0	97	63	139			
1,2,4-Trimethylbenzene	50.4	2.5	50	0	101	62	135			
sec-Butylbenzene	48.5	2.5	50	0	97	68	132			
1,3-Dichlorobenzene	45.7	2.5	50	0	91	70	130			
1,4-Dichlorobenzene	43.9	2.5	50	0	88	70	130			
4-Isopropyltoluene	47.6	2.5	50	0	95	40	161			
1,2-Dichlorobenzene	39.6	2.5	50	0	79	70	130			
n-Butylbenzene	45.4	2.5	50	0	91	58	135			
1,2-Dibromo-3-chloropropane (DBCP)	96.7	15	250	0	39	63	131			M2

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1,2,4-Trichlorobenzene	8.73	10	50	0	17	57	134	M2
Naphthalene	3.76	10	50	0	7.5	31	157	M2
1,2,3-Trichlorobenzene	3.25	10	50	0	6.5	52	138	M2
Xylenes, Total	80.6	1.3	100	0	81	70	130	
Surr: 1,2-Dichloroethane-d4	61.4		50		123	70	130	
Surr: Toluene-d8	46.4		50		93	70	130	
Surr: 4-Bromofluorobenzene	56.2		50		112	70	130	

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QC Summary Report

Work Order: 16100702

Sample Matrix Spike Duplicate Type **MSD** Test Code: **EPA Method SW8260B**
File ID: **3** Batch ID: **MS15W1017A** Analysis Date: **10/18/2016 17:19**
Sample ID: **16100702-01AMSD** Units : **µg/L** Run ID: **MANUAL_161017G** Prep Date: **10/18/2016 17:19**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	19.7	2.5	50	0	39	12	150	19.47	0.9(38)	
Chloromethane	31.1	10	50	0	62	26	146	29.08	6.7(31)	
Vinyl chloride	39.5	2.5	50	0	79	46	142	34.95	12.1(25)	
Chloroethane	59.3	2.5	50	0	119	25	164	25.13	81.0(40)	R5
Bromomethane	8.54	10	50	0	17	10	172	15.51	58.0(40)	R5
Trichlorofluoromethane	48.2	2.5	50	0	96	32	164	48.54	0.7(34)	
Acetone	939	50	1000	0	94	10	188	832	12.1(39)	
1,1-Dichloroethene	43.8	2.5	50	0	88	62	133	41.52	5.3(35)	
Tertiary Butyl Alcohol (TBA)	482	25	500	0	96	44	155	411	15.8(33)	
Dichloromethane	48.1	10	50	0	96	69	130	44.72	7.4(26)	
Freon-113	39.1	2.5	50	0	78	56	144	43.73	11.2(40)	
trans-1,2-Dichloroethene	46.6	2.5	50	0	93	67	131	43.79	6.2(27)	
Methyl tert-butyl ether (MTBE)	56.8	1.3	50	0.64	112	56	140	50.78	11.2(40)	
1,1-Dichloroethane	52.1	2.5	50	0	104	67	130	47.79	8.7(20)	
2-Butanone (MEK)	1020	50	1000	0	102	26	183	931.4	8.7(22)	
Di-isopropyl Ether (DIPE)	63.1	2.5	50	2.03	122	59	138	54.49	14.6(20)	
cis-1,2-Dichloroethene	49.8	2.5	50	0	99.5	70	130	46.15	7.6(20)	
Bromochloromethane	45.3	2.5	50	0	91	70	134	44.97	0.7(20)	
Chloroform	48.2	2.5	50	0	96	69	130	44.98	6.8(22)	
Ethyl Tertiary Butyl Ether (ETBE)	58.9	2.5	50	0	118	62	135	52.09	12.3(40)	
2,2-Dichloropropane	28.8	2.5	50	0	58	44	149	47.09	48.1(23)	R5
1,2-Dichloroethane	57.5	2.5	50	2.31	110	64	139	55.83	3.0(20)	
1,1,1-Trichloroethane	51.5	2.5	50	0	103	65	139	50.45	2.1(20)	
1,1-Dichloropropene	49.1	2.5	50	0	98	68	134	48.47	1.3(20)	
Carbon tetrachloride	49.9	2.5	50	0	99.8	56	146	49.9	0.0(21)	
Benzene	47	1.3	50	0	94	67	134	44.11	6.3(21)	
Tertiary Amyl Methyl Ether (TAME)	56.4	2.5	50	0	113	64	135	52.46	7.3(31)	
Dibromomethane	51.9	2.5	50	0	104	70	132	49.08	5.5(20)	
1,2-Dichloropropane	52.9	2.5	50	0	106	69	134	48.47	8.8(20)	
Trichloroethene	45.4	2.5	50	0	91	68	138	44.39	2.3(20)	
Bromodichloromethane	54.8	2.5	50	0	110	58	147	50.82	7.5(20)	
4-Methyl-2-pentanone (MIBK)	131	13	125	0	105	49	140	113.2	14.3(24)	
cis-1,3-Dichloropropene	46.9	2.5	50	0	94	61	130	47.08	0.3(20)	
trans-1,3-Dichloropropene	43.1	2.5	50	0	86	62	131	44.01	2.1(21)	
1,1,2-Trichloroethane	52	2.5	50	0	104	70	131	47.97	8.1(20)	
Toluene	46.7	1.3	50	0	93	38	130	43.62	6.8(20)	
1,3-Dichloropropane	50	2.5	50	0	100	70	130	45.13	10.2(20)	
2-Hexanone	507	25	500	0	101	25	157	436.8	14.9(23)	
Dibromochloromethane	43.6	2.5	50	0	87	49	147	39.33	10.3(20)	
1,2-Dibromoethane (EDB)	97	5	100	0	97	70	131	88.22	9.5(20)	
Tetrachloroethene	40.5	2.5	50	0	81	63	134	41.94	3.5(20)	
1,1,1,2-Tetrachloroethane	48.5	2.5	50	0	97	70	133	45.56	6.3(20)	
Chlorobenzene	46.8	2.5	50	0	94	70	130	44.36	5.3(20)	
Ethylbenzene	43.4	1.3	50	0	87	70	130	41.75	4.0(20)	
m,p-Xylene	41.3	1.3	50	0	83	65	139	40.39	2.3(20)	
Bromoform	41.7	2.5	50	0	83	60	144	38.19	8.8(21)	
Styrene	42	2.5	50	0	84	53	144	39.87	5.3(31)	
o-Xylene	42.4	1.3	50	0	85	69	130	40.21	5.3(20)	
1,1,2,2-Tetrachloroethane	46.4	2.5	50	0	93	67	134	41.72	10.7(20)	
1,2,3-Trichloropropane	94.6	10	100	0	95	70	130	86.56	8.9(20)	
Isopropylbenzene	51.1	2.5	50	0	102	64	136	50.23	1.8(20)	
Bromobenzene	51.9	2.5	50	0	104	69	130	49.39	4.9(20)	
n-Propylbenzene	50.4	2.5	50	0	101	65	132	50.55	0.3(40)	
4-Chlorotoluene	50.1	2.5	50	0	100	69	132	48.34	3.6(20)	
2-Chlorotoluene	52.1	2.5	50	0	104	69	130	50.48	3.1(20)	
1,3,5-Trimethylbenzene	51.6	2.5	50	0	103	64	135	50.9	1.3(21)	
tert-Butylbenzene	49.4	2.5	50	0	99	63	139	48.72	1.3(20)	
1,2,4-Trimethylbenzene	51.5	2.5	50	0	103	62	135	50.43	2.1(24)	
sec-Butylbenzene	47.3	2.5	50	0	95	68	132	48.52	2.6(20)	
1,3-Dichlorobenzene	47.7	2.5	50	0	95	70	130	45.68	4.4(20)	
1,4-Dichlorobenzene	45.7	2.5	50	0	91	70	130	43.87	4.2(20)	
4-Isopropyltoluene	46.1	2.5	50	0	92	40	161	47.63	3.4(22)	
1,2-Dichlorobenzene	44.8	2.5	50	0	90	70	130	39.62	12.3(20)	
n-Butylbenzene	43.4	2.5	50	0	87	58	135	45.39	4.4(24)	
1,2-Dibromo-3-chloropropane (DBCP)	170	15	250	0	68	63	131	96.68	54.9(29)	R5

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *26-Oct-16*

QC Summary Report

Work Order: 16100702

1,2,4-Trichlorobenzene	19.2	10	50	0	38	57	134	8.73	75.2(30)	M2 R5
Naphthalene	23.6	10	50	0	47	31	157	3.76	145.0(40)	R5
1,2,3-Trichlorobenzene	16.8	10	50	0	34	52	138	3.25	135.0(39)	M2 R5
Xylenes, Total	83.7	1.3	100	0	84	70	130	80.6	3.8(22)	
Surr: 1,2-Dichloroethane-d4	59		50		118	70	130			
Surr: Toluene-d8	47.2		50		94	70	130			
Surr: 4-Bromofluorobenzene	55.6		50		111	70	130			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

R5 = MS/MSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

L50 = Analyte recovery was below acceptance limits for the LCS, but was acceptable in the MS/MSD.

L51 = Analyte recovery was above acceptance limits for the LCS, but was acceptable in the MS/MSD.

M2 = Matrix spike recovery was low, the method control sample recovery was acceptable.

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : CHHL16100702
Report Due By : 5:00 PM On : 18-Oct-16

Client:
CH2M Hill
1000 Wilshire Boulevard
21st Floor
Los Angeles, CA 90017

Report Attention	Phone Number	EMail Address
Daniel Jablonski	(213) 228-8271 x	daniel.jablonski@ch2m.com
Matthew Mayry	(213) 228-8271 x	matthew.mayry@ch2m.com

EDD Required : **Yes**
Sampled by : Daniel Mosso

Cooler Temp	Samples Received	Date Printed
1 °C	07-Oct-16	07-Oct-16

PO :
Client's COC # : none Job : KMEP DFSP Norwalk

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests: TPH/E_W	TPH/P_W	VOC_W						Sample Remarks
CHH16100702-01A	GMW-26	AQ	10/06/16 08:05	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100702-02A	HL-3	AQ	10/06/16 08:40	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100702-03A	GMW-1	AQ	10/06/16 09:33	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100702-04A	PZ-5	AQ	10/06/16 10:37	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100702-05A	MW-18(MID)	AQ	10/06/16 12:46	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100702-06A	GMW-28	AQ	10/06/16 13:30	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100702-07A	PZ-2	AQ	10/06/16 14:05	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100702-08A	GMW-23	AQ	10/06/16 14:33	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						ID logged in by bottle label, per Cody

Comments: Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. :

	Signature	Print Name	Company	Date/Time
Logged in by:	[signature]	Meghan C	Alpha Analytical, Inc.	10/7/16 1045

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.
The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : CHHL16100702
Report Due By : 5:00 PM On : 18-Oct-16

Client:
CH2M Hill
1000 Wilshire Boulevard
21st Floor
Los Angeles, CA 90017

Report Attention	Phone Number	EMail Address
Daniel Jablonski	(213) 228-8271 x	daniel.jablonski@ch2m.com
Matthew Mayry	(213) 228-8271 x	matthew.mayry@ch2m.com

EDD Required : **Yes**

Sampled by : Daniel Mosso

Cooler Temp	Samples Received	Date Printed
1 °C	07-Oct-16	07-Oct-16

PO :

Client's COC # : none Job : KMEP DFSP Norwalk

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	No. of Bottles Sub	TAT	Requested Tests TPH/E_W	TPH/P_W	VOC_W						Sample Remarks
CHH16100702-09A	GMW-25	AQ	10/06/16 15:15	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100702-10A	GMW-9	AQ	10/06/16 15:43	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100702-11A	DUP-5	AQ	10/06/16 00:00	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100702-12A	DUP-6	AQ	10/06/16 00:00	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16100702-13A	TB-3	AQ	10/06/16 07:15	2	0	7			TPHE(0.05) +Vinyl acetate						Reno TB 7/29/16
CHH16100702-14A	EB-5	AQ	10/06/16 16:00	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						

Comments: Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. :

	Signature	Print Name	Company	Date/Time
Logged in by:	[signature]	Meghan C	Alpha Analytical, Inc.	10/7/16 1045

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.
The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

LAB: Alpha Analytical COC 1 of 2

Billing Information:
Kinder Morgan
1100 Town and CountryRd.
Orange CA 95112

Kinder Morgan Norwalk
Report to:
Dan Jablonski
CH2MHILL
1000 Wilshire Blvd 21st floor
Los Angeles, CA 90017

CHAIN OF CUSTODY

CLIENT: Kinder Morgan

SITE: DFSP Norwalk
15306 Norwalk Blvd, Norwalk

CONDUCT ANALYSIS TO DETECT

SAMPLE I.D.	DATE	TIME	MATRIX AQ= Water	CONTAINERS #	Preservation	Type	TPHg, TPHd (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
GMW-26	10/6/16	0805	AQ	6	Hcl	Voa	X	X							CHH16100702-01			
HL-3		0840														2		
GMW-1		0933														3		
PZ-5		1037														4		
MW-18(MID)		1246														5		
GMW-28		1330														6		
PZ-2		1405														7		
GMW-33		1433														8		
GMW-25		1515														9		
GMW-9		1543														10		

SAMPLING COMPLETED — DATE: 10/6/16 — TIME: 1615 — SAMPLING PERFORMED BY: Daniel Musso

RESULTS NEEDED NO LATER THAN: Standard

RELEASED BY	TIME	RECEIVED BY	DATE	TIME
	1630		10/6/16	1630
	1630		10/6/16	1630
	1630		10/7/16	1035

SHIPPED VIA	TIME SENT	COOLER #

BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

LAB Alpha Analytical COC 2 of 2

Billing Information:
Kinder Morgan
1100 Town and CountryRd.
Orange CA 95112

Kinder Morgan Norwalk
Report to:
Dan Jablonski
CH2MHILL
1000 Wilshire Blvd 21st floor
Los Angeles, CA 90017

CHAIN OF CUSTODY

CLIENT Kinder Morgan

SITE DFSP Norwalk

15306 Norwalk Blvd, Norwalk

SAMPLE I.D.	DATE	TIME	MATRIX AQ= Water	CONTAINERS #	Preservation	Type	TPHg, TPHd (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)						ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
Dup-5	10/6/16	-	AQ	6	HCl	Voa	X	X						CHH161007O2	-11		
Dup-6	10/6/16	-	↓	6	↓	↓	X	X						↓	12		
TB-3	10/6/16	0715	↓	2	↓	↓		X						↓	13		
EB-5	10/6/16	1600	↓	6	↓	↓	X	X						↓	14		

SAMPLING COMPLETED DATE 10/6/16 TIME 1615 SAMPLING PERFORMED BY [signature] Mosso

RESULTS NEEDED NO LATER THAN Standard

RELEASED BY	TIME	RECEIVED BY	DATE	TIME
[signature]	1630	[signature]	10/6/16	1630
[signature]	1630	[signature]	10/6/16	1630
[signature]	1630	[signature]	10/7/16	1030

SHIPPED VIA | TIME SENT | COOLER #

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135
Date Received : 10/08/16

Job: DFSP KMEP Norwalk

Total Petroleum Hydrocarbons - Extractable (TPH-E) EPA Method SW8015B
Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B / SW8260B

		Parameter	Concentration		Reporting Limit	Date Extracted	Date Analyzed
Client ID :	**GMW-O-21**						
Lab ID :	CHH16101001-01A	TPH-E (DRO)	2.0	K	0.050 mg/L	10/14/16 12:34	10/14/16 20:14
Date Sampled	10/07/16 07:33	Surr: Nonane	106		(53-145) %REC	10/14/16 12:34	10/14/16 20:14
		TPH-P (GRO)	18		4.0 mg/L	10/19/16 03:17	10/19/16 03:17
		Surr: 1,2-Dichloroethane-d4	88		(70-130) %REC	10/19/16 03:17	10/19/16 03:17
		Surr: Toluene-d8	105		(70-130) %REC	10/19/16 03:17	10/19/16 03:17
		Surr: 4-Bromofluorobenzene	89		(70-130) %REC	10/19/16 03:17	10/19/16 03:17
Client ID :	**MW-SF-13**						
Lab ID :	CHH16101001-02A	TPH-E (DRO)	4.4	K	0.050 mg/L	10/14/16 12:34	10/14/16 20:40
Date Sampled	10/07/16 08:17	Surr: Nonane	122		(53-145) %REC	10/14/16 12:34	10/14/16 20:40
		TPH-P (GRO)	5.3		1.0 mg/L	10/19/16 02:29	10/19/16 02:29
		Surr: 1,2-Dichloroethane-d4	91		(70-130) %REC	10/19/16 02:29	10/19/16 02:29
		Surr: Toluene-d8	105		(70-130) %REC	10/19/16 02:29	10/19/16 02:29
		Surr: 4-Bromofluorobenzene	86		(70-130) %REC	10/19/16 02:29	10/19/16 02:29
Client ID :	**GMW-30**						
Lab ID :	CHH16101001-03A	TPH-E (DRO)	3.6		0.050 mg/L	10/14/16 12:34	10/14/16 21:06
Date Sampled	10/07/16 09:00	Surr: Nonane	101		(53-145) %REC	10/14/16 12:34	10/14/16 21:06
		TPH-P (GRO)	0.36		0.050 mg/L	10/19/16 00:04	10/19/16 00:04
		Surr: 1,2-Dichloroethane-d4	105		(70-130) %REC	10/19/16 00:04	10/19/16 00:04
		Surr: Toluene-d8	100		(70-130) %REC	10/19/16 00:04	10/19/16 00:04
		Surr: 4-Bromofluorobenzene	92		(70-130) %REC	10/19/16 00:04	10/19/16 00:04
Client ID :	**DUP-7**						
Lab ID :	CHH16101001-04A	TPH-E (DRO)	0.53	K	0.050 mg/L	10/14/16 12:34	10/14/16 21:32
Date Sampled	10/07/16 00:00	Surr: Nonane	98		(53-145) %REC	10/14/16 12:34	10/14/16 21:32
		TPH-P (GRO)	32		10 mg/L	10/19/16 04:06	10/19/16 04:06
		Surr: 1,2-Dichloroethane-d4	88		(70-130) %REC	10/19/16 04:06	10/19/16 04:06
		Surr: Toluene-d8	106		(70-130) %REC	10/19/16 04:06	10/19/16 04:06
		Surr: 4-Bromofluorobenzene	89		(70-130) %REC	10/19/16 04:06	10/19/16 04:06
Client ID :	**EB-6**						
Lab ID :	CHH16101001-05A	TPH-E (DRO)	ND		0.050 mg/L	10/14/16 12:34	10/14/16 21:59
Date Sampled	10/07/16 09:10	Surr: Nonane	77		(53-145) %REC	10/14/16 12:34	10/14/16 21:59
		TPH-P (GRO)	ND		0.050 mg/L	10/18/16 23:40	10/18/16 23:40
		Surr: 1,2-Dichloroethane-d4	104		(70-130) %REC	10/18/16 23:40	10/18/16 23:40
		Surr: Toluene-d8	102		(70-130) %REC	10/18/16 23:40	10/18/16 23:40
		Surr: 4-Bromofluorobenzene	91		(70-130) %REC	10/18/16 23:40	10/18/16 23:40
Client ID :	**MW-SF-15**						
Lab ID :	CHH16101001-07A	TPH-E (DRO)	16		5.0 mg/L	10/14/16 12:34	10/15/16 07:40
Date Sampled	10/07/16 13:30	Surr: Nonane	0	S50	(53-145) %REC	10/14/16 12:34	10/15/16 07:40
		TPH-P (GRO)	ND	O	0.50 mg/L	10/19/16 01:17	10/19/16 01:17
		Surr: 1,2-Dichloroethane-d4	96		(70-130) %REC	10/19/16 01:17	10/19/16 01:17
		Surr: Toluene-d8	103		(70-130) %REC	10/19/16 01:17	10/19/16 01:17
		Surr: 4-Bromofluorobenzene	86		(70-130) %REC	10/19/16 01:17	10/19/16 01:17

Alpha Analytical, Inc.
255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Client ID :	**MW-SF-4**						
Lab ID :	CHH16101001-08A	TPH-E (DRO)	4.7		0.050 mg/L	10/14/16 12:34	10/14/16 22:25
Date Sampled	10/07/16 13:20	Surr: Nonane	97		(53-145) %REC	10/14/16 12:34	10/14/16 22:25
		TPH-P (GRO)	ND	O	0.50 mg/L	10/19/16 01:41	10/19/16 01:41
		Surr: 1,2-Dichloroethane-d4	93		(70-130) %REC	10/19/16 01:41	10/19/16 01:41
		Surr: Toluene-d8	104		(70-130) %REC	10/19/16 01:41	10/19/16 01:41
		Surr: 4-Bromofluorobenzene	85		(70-130) %REC	10/19/16 01:41	10/19/16 01:41
Client ID :	**GMW-O-20**						
Lab ID :	CHH16101001-09A	TPH-E (DRO)	95	K	5.0 mg/L	10/14/16 12:34	10/15/16 08:05
Date Sampled	10/07/16 12:57	Surr: Nonane	0	S50	(53-145) %REC	10/14/16 12:34	10/15/16 08:05
		TPH-P (GRO)	35		4.0 mg/L	10/19/16 03:42	10/19/16 03:42
		Surr: 1,2-Dichloroethane-d4	88		(70-130) %REC	10/19/16 03:42	10/19/16 03:42
		Surr: Toluene-d8	107		(70-130) %REC	10/19/16 03:42	10/19/16 03:42
		Surr: 4-Bromofluorobenzene	91		(70-130) %REC	10/19/16 03:42	10/19/16 03:42
Client ID :	**GMW-O-23**						
Lab ID :	CHH16101001-10A	TPH-E (DRO)	170		5.0 mg/L	10/14/16 12:34	10/15/16 08:32
Date Sampled	10/07/16 12:17	Surr: Nonane	0	S50	(53-145) %REC	10/14/16 12:34	10/15/16 08:32
		TPH-P (GRO)	2.8		0.80 mg/L	10/19/16 02:05	10/19/16 02:05
		Surr: 1,2-Dichloroethane-d4	93		(70-130) %REC	10/19/16 02:05	10/19/16 02:05
		Surr: Toluene-d8	104		(70-130) %REC	10/19/16 02:05	10/19/16 02:05
		Surr: 4-Bromofluorobenzene	86		(70-130) %REC	10/19/16 02:05	10/19/16 02:05
Client ID :	**GMW-O-14**						
Lab ID :	CHH16101001-11A	TPH-E (DRO)	0.64	K	0.050 mg/L	10/14/16 12:34	10/14/16 22:51
Date Sampled	10/07/16 11:27	Surr: Nonane	132		(53-145) %REC	10/14/16 12:34	10/14/16 22:51
		TPH-P (GRO)	30		10 mg/L	10/19/16 04:30	10/19/16 04:30
		Surr: 1,2-Dichloroethane-d4	86		(70-130) %REC	10/19/16 04:30	10/19/16 04:30
		Surr: Toluene-d8	109		(70-130) %REC	10/19/16 04:30	10/19/16 04:30
		Surr: 4-Bromofluorobenzene	89		(70-130) %REC	10/19/16 04:30	10/19/16 04:30
Client ID :	**MW-SF-6**						
Lab ID :	CHH16101001-12A	TPH-E (DRO)	10	K	0.50 mg/L	10/14/16 12:34	10/15/16 07:13
Date Sampled	10/07/16 10:37	Surr: Nonane	0	S50	(53-145) %REC	10/14/16 12:34	10/15/16 07:13
		TPH-P (GRO)	8.4		1.0 mg/L	10/19/16 02:53	10/19/16 02:53
		Surr: 1,2-Dichloroethane-d4	87		(70-130) %REC	10/19/16 02:53	10/19/16 02:53
		Surr: Toluene-d8	107		(70-130) %REC	10/19/16 02:53	10/19/16 02:53
		Surr: 4-Bromofluorobenzene	89		(70-130) %REC	10/19/16 02:53	10/19/16 02:53
Client ID :	**MW-SF-1**						
Lab ID :	CHH16101001-13A	TPH-E (DRO)	1.2		0.050 mg/L	10/14/16 12:34	10/15/16 09:50
Date Sampled	10/07/16 09:53	Surr: Nonane	91		(53-145) %REC	10/14/16 12:34	10/15/16 09:50
		TPH-P (GRO)	0.055		0.050 mg/L	10/19/16 00:53	10/19/16 00:53
		Surr: 1,2-Dichloroethane-d4	95		(70-130) %REC	10/19/16 00:53	10/19/16 00:53
		Surr: Toluene-d8	104		(70-130) %REC	10/19/16 00:53	10/19/16 00:53
		Surr: 4-Bromofluorobenzene	87		(70-130) %REC	10/19/16 00:53	10/19/16 00:53
Client ID :	**EXP-1**						
Lab ID :	CHH16101001-14A	TPH-E (DRO)	ND		0.050 mg/L	10/14/16 12:34	10/14/16 18:55
Date Sampled	10/07/16 11:45	Surr: Nonane	92		(53-145) %REC	10/14/16 12:34	10/14/16 18:55
		TPH-P (GRO)	ND		0.050 mg/L	10/19/16 00:28	10/19/16 00:28
		Surr: 1,2-Dichloroethane-d4	100		(70-130) %REC	10/19/16 00:28	10/19/16 00:28
		Surr: Toluene-d8	103		(70-130) %REC	10/19/16 00:28	10/19/16 00:28
		Surr: 4-Bromofluorobenzene	89		(70-130) %REC	10/19/16 00:28	10/19/16 00:28

Diesel Range Organics (DRO) C13-C22

Gasoline Range Organics (GRO) C4-C13

K = DRO concentration may include contributions from lighter-end hydrocarbons that elute in the DRO range.

O = Reporting Limits were increased due to sample foaming.

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.

ND = Not Detected

Roger Scholl   Randy Gardner

ACLASS ACCREDITED DoD ELAP

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Statement of Data Authenticity : Alpha Analytical, Inc. attests that the data reported has not been altered an any way.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

NELAP ACCREDITED LABORATORY

RG

10/19/16

Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: DFSP KMEP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16101001-01A
Client I.D. Number: GMW-O-21

Sampled: 10/07/16 07:33
Received: 10/08/16
Extracted: 10/19/16 03:17
Analyzed: 10/19/16 03:17

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	40	µg/L
2	Chloromethane	ND	160	µg/L
3	Vinyl chloride	ND	40	µg/L
4	Chloroethane	ND	40	µg/L
5	Bromomethane	ND	160	µg/L
6	Trichlorofluoromethane	ND	40	µg/L
7	Acetone	ND	800	µg/L
8	1,1-Dichloroethene	ND	40	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	400	µg/L
10	Dichloromethane	ND	160	µg/L
11	Freon-113	ND	40	µg/L
12	Carbon disulfide	ND	200	µg/L
13	trans-1,2-Dichloroethene	ND	40	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	20	µg/L
15	1,1-Dichloroethane	ND	40	µg/L
16	Vinyl acetate	ND	4,000	µg/L
17	2-Butanone (MEK)	ND	800	µg/L
18	Di-isopropyl Ether (DIPE)	ND	40	µg/L
19	cis-1,2-Dichloroethene	ND	40	µg/L
20	Bromochloromethane	ND	40	µg/L
21	Chloroform	ND	40	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	40	µg/L
23	2,2-Dichloropropane	ND	40	µg/L
24	1,2-Dichloroethane	ND	40	µg/L
25	1,1,1-Trichloroethane	ND	40	µg/L
26	1,1-Dichloropropene	ND	40	µg/L
27	Carbon tetrachloride	ND	40	µg/L
28	Benzene	2,900	20	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	40	µg/L
30	Dibromomethane	ND	40	µg/L
31	1,2-Dichloropropane	ND	40	µg/L
32	Trichloroethene	ND	40	µg/L
33	Bromodichloromethane	ND	40	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	200	µg/L
35	cis-1,3-Dichloropropene	ND	40	µg/L
36	trans-1,3-Dichloropropene	ND	40	µg/L
37	1,1,2-Trichloroethane	ND	40	µg/L
38	Toluene	21	20	µg/L
39	1,3-Dichloropropane	ND	40	µg/L
40	2-Hexanone	ND	400	µg/L
41	Dibromochloromethane	ND	40	µg/L
42	1,2-Dibromoethane (EDB)	ND	80	µg/L
43	Tetrachloroethene	ND	40	µg/L
44	1,1,1,2-Tetrachloroethane	ND	40	µg/L
45	Chlorobenzene	ND	40	µg/L
46	Ethylbenzene	280	20	µg/L
47	m,p-Xylene	600	20	µg/L
48	Bromoform	ND	40	µg/L
49	Xylenes, Total	1,600	20	µg/L
50	Styrene	ND	40	µg/L
51	o-Xylene	970	20	µg/L
52	1,1,2,2-Tetrachloroethane	ND	40	µg/L
53	1,2,3-Trichloropropane	ND	160	µg/L
54	Isopropylbenzene	ND	40	µg/L
55	Bromobenzene	ND	40	µg/L
56	n-Propylbenzene	71	40	µg/L
57	4-Chlorotoluene	ND	40	µg/L
58	2-Chlorotoluene	ND	40	µg/L
59	1,3,5-Trimethylbenzene	190	40	µg/L
60	tert-Butylbenzene	ND	40	µg/L
61	1,2,4-Trimethylbenzene	680	40	µg/L
62	sec-Butylbenzene	ND	40	µg/L
63	1,3-Dichlorobenzene	ND	40	µg/L
64	1,4-Dichlorobenzene	ND	40	µg/L
65	4-Isopropyltoluene	ND	40	µg/L
66	1,2-Dichlorobenzene	ND	40	µg/L
67	n-Butylbenzene	75	40	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	240	µg/L
69	1,2,4-Trichlorobenzene	ND	160	µg/L
70	Naphthalene	300	160	µg/L
71	1,2,3-Trichlorobenzene	ND	160	µg/L
72	Surr: 1,2-Dichloroethane-d4	88	(70-130)	%REC
73	Surr: Toluene-d8	105	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	89	(70-130)	%REC

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

10/19/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: DFSP KMEP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16101001-02A
Client I.D. Number: MW-SF-13

Sampled: 10/07/16 08:17
Received: 10/08/16
Extracted: 10/19/16 02:29
Analyzed: 10/19/16 02:29

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	10	µg/L
2	Chloromethane	ND	40	µg/L
3	Vinyl chloride	ND	10	µg/L
4	Chloroethane	ND	10	µg/L
5	Bromomethane	ND	40	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	200	µg/L
8	1,1-Dichloroethene	ND	10	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	100	µg/L
10	Dichloromethane	ND	40	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	50	µg/L
13	trans-1,2-Dichloroethene	ND	10	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	5.0	µg/L
15	1,1-Dichloroethane	ND	10	µg/L
16	Vinyl acetate	ND	1,000	µg/L
17	2-Butanone (MEK)	ND	200	µg/L
18	Di-isopropyl Ether (DIPE)	ND	10	µg/L
19	cis-1,2-Dichloroethene	ND	10	µg/L
20	Bromochloromethane	ND	10	µg/L
21	Chloroform	ND	10	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	10	µg/L
23	2,2-Dichloropropane	ND	10	µg/L
24	1,2-Dichloroethane	ND	10	µg/L
25	1,1,1-Trichloroethane	ND	10	µg/L
26	1,1-Dichloropropene	ND	10	µg/L
27	Carbon tetrachloride	ND	10	µg/L
28	Benzene	ND	5.0	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	10	µg/L
30	Dibromomethane	ND	10	µg/L
31	1,2-Dichloropropane	ND	10	µg/L
32	Trichloroethene	ND	10	µg/L
33	Bromodichloromethane	ND	10	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	50	µg/L
35	cis-1,3-Dichloropropene	ND	10	µg/L
36	trans-1,3-Dichloropropene	ND	10	µg/L
37	1,1,2-Trichloroethane	ND	10	µg/L
38	Toluene	ND	5.0	µg/L
39	1,3-Dichloropropane	ND	10	µg/L
40	2-Hexanone	ND	100	µg/L
41	Dibromochloromethane	ND	10	µg/L
42	1,2-Dibromoethane (EDB)	ND	20	µg/L
43	Tetrachloroethene	ND	10	µg/L
44	1,1,1,2-Tetrachloroethane	ND	10	µg/L
45	Chlorobenzene	ND	10	µg/L
46	Ethylbenzene	200	5.0	µg/L
47	m,p-Xylene	340	5.0	µg/L
48	Bromoform	ND	10	µg/L
49	Xylenes, Total	340	5.0	µg/L
50	Styrene	ND	10	µg/L
51	o-Xylene	ND	5.0	µg/L
52	1,1,2,2-Tetrachloroethane	ND	10	µg/L
53	1,2,3-Trichloropropane	ND	40	µg/L
54	Isopropylbenzene	12	10	µg/L
55	Bromobenzene	ND	10	µg/L
56	n-Propylbenzene	26	10	µg/L
57	4-Chlorotoluene	ND	10	µg/L
58	2-Chlorotoluene	ND	10	µg/L
59	1,3,5-Trimethylbenzene	ND	10	µg/L
60	tert-Butylbenzene	ND	10	µg/L
61	1,2,4-Trimethylbenzene	660	10	µg/L
62	sec-Butylbenzene	ND	10	µg/L
63	1,3-Dichlorobenzene	ND	10	µg/L
64	1,4-Dichlorobenzene	ND	10	µg/L
65	4-Isopropyltoluene	ND	10	µg/L
66	1,2-Dichlorobenzene	ND	10	µg/L
67	n-Butylbenzene	ND	10	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	60	µg/L
69	1,2,4-Trichlorobenzene	ND	40	µg/L
70	Naphthalene	71	40	µg/L
71	1,2,3-Trichlorobenzene	ND	40	µg/L
72	Surr: 1,2-Dichloroethane-d4	91	(70-130)	%REC
73	Surr: Toluene-d8	105	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	86	(70-130)	%REC

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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RG

10/19/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: DFSP KMEP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16101001-03A
Client I.D. Number: GMW-30

Sampled: 10/07/16 09:00
Received: 10/08/16
Extracted: 10/19/16 00:04
Analyzed: 10/19/16 00:04

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	27	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	2.3	0.50	µg/L
15	1,1-Dichloroethane	1.7	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	6.0	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	1.2	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	24	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	0.60	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	2.6	0.50	µg/L
47	m,p-Xylene	1.5	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	3.0	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	1.5	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	1.7	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	1.5	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	2.6	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	105	(70-130)	%REC
73	Surr: Toluene-d8	100	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	92	(70-130)	%REC

ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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NELAP ACCREDITED LABORATORY

RS
10/19/16
Report Date

Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: DFSP KMEP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16101001-04A
Client I.D. Number: DUP-7

Sampled: 10/07/16 00:00
Received: 10/08/16
Extracted: 10/19/16 04:06
Analyzed: 10/19/16 04:06

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	100	µg/L
2	Chloromethane	ND	400	µg/L
3	Vinyl chloride	ND	100	µg/L
4	Chloroethane	ND	100	µg/L
5	Bromomethane	ND	400	µg/L
6	Trichlorofluoromethane	ND	100	µg/L
7	Acetone	ND	2,000	µg/L
8	1,1-Dichloroethene	ND	100	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	1,000	µg/L
10	Dichloromethane	ND	400	µg/L
11	Freon-113	ND	100	µg/L
12	Carbon disulfide	ND	500	µg/L
13	trans-1,2-Dichloroethene	ND	100	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	50	µg/L
15	1,1-Dichloroethane	ND	100	µg/L
16	Vinyl acetate	ND	10,000	µg/L
17	2-Butanone (MEK)	ND	2,000	µg/L
18	Di-isopropyl Ether (DIPE)	230	100	µg/L
19	cis-1,2-Dichloroethene	ND	100	µg/L
20	Bromochloromethane	ND	100	µg/L
21	Chloroform	ND	100	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	100	µg/L
23	2,2-Dichloropropane	ND	100	µg/L
24	1,2-Dichloroethane	ND	100	µg/L
25	1,1,1-Trichloroethane	ND	100	µg/L
26	1,1-Dichloropropene	ND	100	µg/L
27	Carbon tetrachloride	ND	100	µg/L
28	Benzene	12,000	50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	100	µg/L
30	Dibromomethane	ND	100	µg/L
31	1,2-Dichloropropane	ND	100	µg/L
32	Trichloroethene	ND	100	µg/L
33	Bromodichloromethane	ND	100	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	500	µg/L
35	cis-1,3-Dichloropropene	ND	100	µg/L
36	trans-1,3-Dichloropropene	ND	100	µg/L
37	1,1,2-Trichloroethane	ND	100	µg/L
38	Toluene	85	50	µg/L
39	1,3-Dichloropropane	ND	100	µg/L
40	2-Hexanone	ND	1,000	µg/L
41	Dibromochloromethane	ND	100	µg/L
42	1,2-Dibromoethane (EDB)	ND	200	µg/L
43	Tetrachloroethene	ND	100	µg/L
44	1,1,1,2-Tetrachloroethane	ND	100	µg/L
45	Chlorobenzene	ND	100	µg/L
46	Ethylbenzene	470	50	µg/L
47	m,p-Xylene	200	50	µg/L
48	Bromoform	ND	100	µg/L
49	Xylenes, Total	330	50	µg/L
50	Styrene	ND	100	µg/L
51	o-Xylene	120	50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	100	µg/L
53	1,2,3-Trichloropropane	ND	400	µg/L
54	Isopropylbenzene	ND	100	µg/L
55	Bromobenzene	ND	100	µg/L
56	n-Propylbenzene	ND	100	µg/L
57	4-Chlorotoluene	ND	100	µg/L
58	2-Chlorotoluene	ND	100	µg/L
59	1,3,5-Trimethylbenzene	ND	100	µg/L
60	tert-Butylbenzene	ND	100	µg/L
61	1,2,4-Trimethylbenzene	190	100	µg/L
62	sec-Butylbenzene	ND	100	µg/L
63	1,3-Dichlorobenzene	ND	100	µg/L
64	1,4-Dichlorobenzene	ND	100	µg/L
65	4-Isopropyltoluene	ND	100	µg/L
66	1,2-Dichlorobenzene	ND	100	µg/L
67	n-Butylbenzene	ND	100	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	600	µg/L
69	1,2,4-Trichlorobenzene	ND	400	µg/L
70	Naphthalene	ND	400	µg/L
71	1,2,3-Trichlorobenzene	ND	400	µg/L
72	Surr: 1,2-Dichloroethane-d4	88	(70-130)	%REC
73	Surr: Toluene-d8	106	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	89	(70-130)	%REC

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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10/19/16

Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: DFSP KMEP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16101001-05A
Client I.D. Number: EB-6

Sampled: 10/07/16 09:10
Received: 10/08/16
Extracted: 10/18/16 23:40
Analyzed: 10/18/16 23:40

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	104	(70-130)	%REC
73	Surr: Toluene-d8	102	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	91	(70-130)	%REC

ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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10/19/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: DFSP KMEP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16101001-06A
Client I.D. Number: TB-4

Sampled: 10/07/16 07:00
Received: 10/08/16
Extracted: 10/18/16 23:16
Analyzed: 10/18/16 23:16

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	105	(70-130)	%REC
73	Surr: Toluene-d8	103	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	91	(70-130)	%REC

ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Statement of Data Authenticity : Alpha Analytical, Inc. attests that the data reported has not been altered an any way.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

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10/19/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: DFSP KMEP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16101001-07A
Client I.D. Number: MW-SF-15

Sampled: 10/07/16 13:30
Received: 10/08/16
Extracted: 10/19/16 01:17
Analyzed: 10/19/16 01:17

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	5.0	µg/L
2	Chloromethane	ND	20	µg/L
3	Vinyl chloride	ND	5.0	µg/L
4	Chloroethane	ND	5.0	µg/L
5	Bromomethane	ND	20	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	100	µg/L
8	1,1-Dichloroethene	ND	5.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	720	50	µg/L
10	Dichloromethane	ND	20	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	25	µg/L
13	trans-1,2-Dichloroethene	ND	5.0	µg/L
14	Methyl tert-butyl ether (MTBE)	26	2.5	µg/L
15	1,1-Dichloroethane	ND	5.0	µg/L
16	Vinyl acetate	ND	500	µg/L
17	2-Butanone (MEK)	ND	100	µg/L
18	Di-isopropyl Ether (DIPE)	12	5.0	µg/L
19	cis-1,2-Dichloroethene	ND	5.0	µg/L
20	Bromochloromethane	ND	5.0	µg/L
21	Chloroform	ND	5.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	5.0	µg/L
23	2,2-Dichloropropane	ND	5.0	µg/L
24	1,2-Dichloroethane	ND	5.0	µg/L
25	1,1,1-Trichloroethane	ND	5.0	µg/L
26	1,1-Dichloropropene	ND	5.0	µg/L
27	Carbon tetrachloride	ND	5.0	µg/L
28	Benzene	7.1	2.5	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	5.0	µg/L
30	Dibromomethane	ND	5.0	µg/L
31	1,2-Dichloropropane	ND	5.0	µg/L
32	Trichloroethene	ND	5.0	µg/L
33	Bromodichloromethane	ND	5.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	25	µg/L
35	cis-1,3-Dichloropropene	ND	5.0	µg/L
36	trans-1,3-Dichloropropene	ND	5.0	µg/L
37	1,1,2-Trichloroethane	ND	5.0	µg/L
38	Toluene	ND	2.5	µg/L
39	1,3-Dichloropropane	ND	5.0	µg/L
40	2-Hexanone	ND	50	µg/L
41	Dibromochloromethane	ND	5.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	10	µg/L
43	Tetrachloroethene	ND	5.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	5.0	µg/L

	Compound	Concentration	Reporting Limit	
45	Chlorobenzene	ND	5.0	µg/L
46	Ethylbenzene	ND	2.5	µg/L
47	m,p-Xylene	ND	2.5	µg/L
48	Bromoform	ND	5.0	µg/L
49	Xylenes, Total	ND	2.5	µg/L
50	Styrene	ND	5.0	µg/L
51	o-Xylene	ND	2.5	µg/L
52	1,1,2,2-Tetrachloroethane	ND	5.0	µg/L
53	1,2,3-Trichloropropane	ND	20	µg/L
54	Isopropylbenzene	ND	5.0	µg/L
55	Bromobenzene	ND	5.0	µg/L
56	n-Propylbenzene	ND	5.0	µg/L
57	4-Chlorotoluene	ND	5.0	µg/L
58	2-Chlorotoluene	ND	5.0	µg/L
59	1,3,5-Trimethylbenzene	ND	5.0	µg/L
60	tert-Butylbenzene	ND	5.0	µg/L
61	1,2,4-Trimethylbenzene	ND	5.0	µg/L
62	sec-Butylbenzene	ND	5.0	µg/L
63	1,3-Dichlorobenzene	ND	5.0	µg/L
64	1,4-Dichlorobenzene	ND	5.0	µg/L
65	4-Isopropyltoluene	ND	5.0	µg/L
66	1,2-Dichlorobenzene	ND	5.0	µg/L
67	n-Butylbenzene	ND	5.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	30	µg/L
69	1,2,4-Trichlorobenzene	ND	20	µg/L
70	Naphthalene	ND	20	µg/L
71	1,2,3-Trichlorobenzene	ND	20	µg/L
72	Surr: 1,2-Dichloroethane-d4	96	(70-130)	%REC
73	Surr: Toluene-d8	103	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	86	(70-130)	%REC

Reporting Limits were increased due to sample foaming.

ND = Not Detected

Roger Scholl Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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NELAP ACCREDITED LABORATORY

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10/19/16
Report Date

Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: DFSP KMEP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16101001-08A
Client I.D. Number: MW-SF-4

Sampled: 10/07/16 13:20
Received: 10/08/16
Extracted: 10/19/16 01:41
Analyzed: 10/19/16 01:41

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	5.0	µg/L
2	Chloromethane	ND	20	µg/L
3	Vinyl chloride	ND	5.0	µg/L
4	Chloroethane	ND	5.0	µg/L
5	Bromomethane	ND	20	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	100	µg/L
8	1,1-Dichloroethene	ND	5.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	50	µg/L
10	Dichloromethane	ND	20	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	25	µg/L
13	trans-1,2-Dichloroethene	ND	5.0	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	2.5	µg/L
15	1,1-Dichloroethane	ND	5.0	µg/L
16	Vinyl acetate	ND	500	µg/L
17	2-Butanone (MEK)	ND	100	µg/L
18	Di-isopropyl Ether (DIPE)	ND	5.0	µg/L
19	cis-1,2-Dichloroethene	ND	5.0	µg/L
20	Bromochloromethane	ND	5.0	µg/L
21	Chloroform	ND	5.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	5.0	µg/L
23	2,2-Dichloropropane	ND	5.0	µg/L
24	1,2-Dichloroethane	ND	5.0	µg/L
25	1,1,1-Trichloroethane	ND	5.0	µg/L
26	1,1-Dichloropropene	ND	5.0	µg/L
27	Carbon tetrachloride	ND	5.0	µg/L
28	Benzene	ND	2.5	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	5.0	µg/L
30	Dibromomethane	ND	5.0	µg/L
31	1,2-Dichloropropane	ND	5.0	µg/L
32	Trichloroethene	ND	5.0	µg/L
33	Bromodichloromethane	ND	5.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	25	µg/L
35	cis-1,3-Dichloropropene	ND	5.0	µg/L
36	trans-1,3-Dichloropropene	ND	5.0	µg/L
37	1,1,2-Trichloroethane	ND	5.0	µg/L
38	Toluene	ND	2.5	µg/L
39	1,3-Dichloropropane	ND	5.0	µg/L
40	2-Hexanone	ND	50	µg/L
41	Dibromochloromethane	ND	5.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	10	µg/L
43	Tetrachloroethene	ND	5.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	5.0	µg/L
45	Chlorobenzene	ND	5.0	µg/L
46	Ethylbenzene	ND	2.5	µg/L
47	m,p-Xylene	ND	2.5	µg/L
48	Bromoform	ND	5.0	µg/L
49	Xylenes, Total	ND	2.5	µg/L
50	Styrene	ND	5.0	µg/L
51	o-Xylene	ND	2.5	µg/L
52	1,1,2,2-Tetrachloroethane	ND	5.0	µg/L
53	1,2,3-Trichloropropane	ND	20	µg/L
54	Isopropylbenzene	ND	5.0	µg/L
55	Bromobenzene	ND	5.0	µg/L
56	n-Propylbenzene	ND	5.0	µg/L
57	4-Chlorotoluene	ND	5.0	µg/L
58	2-Chlorotoluene	ND	5.0	µg/L
59	1,3,5-Trimethylbenzene	ND	5.0	µg/L
60	tert-Butylbenzene	ND	5.0	µg/L
61	1,2,4-Trimethylbenzene	ND	5.0	µg/L
62	sec-Butylbenzene	ND	5.0	µg/L
63	1,3-Dichlorobenzene	ND	5.0	µg/L
64	1,4-Dichlorobenzene	ND	5.0	µg/L
65	4-Isopropyltoluene	ND	5.0	µg/L
66	1,2-Dichlorobenzene	ND	5.0	µg/L
67	n-Butylbenzene	ND	5.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	30	µg/L
69	1,2,4-Trichlorobenzene	ND	20	µg/L
70	Naphthalene	ND	20	µg/L
71	1,2,3-Trichlorobenzene	ND	20	µg/L
72	Surr: 1,2-Dichloroethane-d4	93	(70-130)	%REC
73	Surr: Toluene-d8	104	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	85	(70-130)	%REC

Reporting Limits were increased due to sample foaming.

ND = Not Detected

Roger Scholl Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

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Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

ACLASS ACCREDITED DoD ELAP

NELAP ACCREDITED LABORATORY

RG

10/19/16

Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: DFSP KMEP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16101001-09A
Client I.D. Number: GMW-O-20

Sampled: 10/07/16 12:57
Received: 10/08/16
Extracted: 10/19/16 03:42
Analyzed: 10/19/16 03:42

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	40	µg/L
2	Chloromethane	ND	160	µg/L
3	Vinyl chloride	ND	40	µg/L
4	Chloroethane	ND	40	µg/L
5	Bromomethane	ND	160	µg/L
6	Trichlorofluoromethane	ND	40	µg/L
7	Acetone	ND	800	µg/L
8	1,1-Dichloroethene	ND	40	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	400	µg/L
10	Dichloromethane	ND	160	µg/L
11	Freon-113	ND	40	µg/L
12	Carbon disulfide	ND	200	µg/L
13	trans-1,2-Dichloroethene	ND	40	µg/L
14	Methyl tert-butyl ether (MTBE)	38	20	µg/L
15	1,1-Dichloroethane	ND	40	µg/L
16	Vinyl acetate	ND	4,000	µg/L
17	2-Butanone (MEK)	ND	800	µg/L
18	Di-isopropyl Ether (DIPE)	ND	40	µg/L
19	cis-1,2-Dichloroethene	ND	40	µg/L
20	Bromochloromethane	ND	40	µg/L
21	Chloroform	ND	40	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	40	µg/L
23	2,2-Dichloropropane	ND	40	µg/L
24	1,2-Dichloroethane	ND	40	µg/L
25	1,1,1-Trichloroethane	ND	40	µg/L
26	1,1-Dichloropropene	ND	40	µg/L
27	Carbon tetrachloride	ND	40	µg/L
28	Benzene	2,700	20	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	40	µg/L
30	Dibromomethane	ND	40	µg/L
31	1,2-Dichloropropane	ND	40	µg/L
32	Trichloroethene	ND	40	µg/L
33	Bromodichloromethane	ND	40	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	200	µg/L
35	cis-1,3-Dichloropropene	ND	40	µg/L
36	trans-1,3-Dichloropropene	ND	40	µg/L
37	1,1,2-Trichloroethane	ND	40	µg/L
38	Toluene	930	20	µg/L
39	1,3-Dichloropropane	ND	40	µg/L
40	2-Hexanone	ND	400	µg/L
41	Dibromochloromethane	ND	40	µg/L
42	1,2-Dibromoethane (EDB)	ND	80	µg/L
43	Tetrachloroethene	ND	40	µg/L
44	1,1,1,2-Tetrachloroethane	ND	40	µg/L
45	Chlorobenzene	ND	40	µg/L
46	Ethylbenzene	230	20	µg/L
47	m,p-Xylene	2,700	20	µg/L
48	Bromoform	ND	40	µg/L
49	Xylenes, Total	4,200	20	µg/L
50	Styrene	ND	40	µg/L
51	o-Xylene	1,500	20	µg/L
52	1,1,2,2-Tetrachloroethane	ND	40	µg/L
53	1,2,3-Trichloropropane	ND	160	µg/L
54	Isopropylbenzene	ND	40	µg/L
55	Bromobenzene	ND	40	µg/L
56	n-Propylbenzene	50	40	µg/L
57	4-Chlorotoluene	ND	40	µg/L
58	2-Chlorotoluene	ND	40	µg/L
59	1,3,5-Trimethylbenzene	600	40	µg/L
60	tert-Butylbenzene	ND	40	µg/L
61	1,2,4-Trimethylbenzene	1,400	40	µg/L
62	sec-Butylbenzene	ND	40	µg/L
63	1,3-Dichlorobenzene	ND	40	µg/L
64	1,4-Dichlorobenzene	ND	40	µg/L
65	4-Isopropyltoluene	58	40	µg/L
66	1,2-Dichlorobenzene	ND	40	µg/L
67	n-Butylbenzene	90	40	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	240	µg/L
69	1,2,4-Trichlorobenzene	ND	160	µg/L
70	Naphthalene	310	160	µg/L
71	1,2,3-Trichlorobenzene	ND	160	µg/L
72	Surr: 1,2-Dichloroethane-d4	88	(70-130)	%REC
73	Surr: Toluene-d8	107	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	91	(70-130)	%REC

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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ACLASS ACCREDITED DoD ELAP

NELAP ACCREDITED LABORATORY

10/19/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: DFSP KMEP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16101001-10A
Client I.D. Number: GMW-O-23

Sampled: 10/07/16 12:17
Received: 10/08/16
Extracted: 10/19/16 02:05
Analyzed: 10/19/16 02:05

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	8.0	µg/L
2	Chloromethane	ND	32	µg/L
3	Vinyl chloride	ND	8.0	µg/L
4	Chloroethane	ND	8.0	µg/L
5	Bromomethane	ND	32	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	160	µg/L
8	1,1-Dichloroethene	ND	8.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	80	µg/L
10	Dichloromethane	ND	32	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	40	µg/L
13	trans-1,2-Dichloroethene	ND	8.0	µg/L
14	Methyl tert-butyl ether (MTBE)	5.0	4.0	µg/L
15	1,1-Dichloroethane	ND	8.0	µg/L
16	Vinyl acetate	ND	800	µg/L
17	2-Butanone (MEK)	ND	160	µg/L
18	Di-isopropyl Ether (DIPE)	ND	8.0	µg/L
19	cis-1,2-Dichloroethene	ND	8.0	µg/L
20	Bromochloromethane	ND	8.0	µg/L
21	Chloroform	ND	8.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	8.0	µg/L
23	2,2-Dichloropropane	ND	8.0	µg/L
24	1,2-Dichloroethane	ND	8.0	µg/L
25	1,1,1-Trichloroethane	ND	8.0	µg/L
26	1,1-Dichloropropene	ND	8.0	µg/L
27	Carbon tetrachloride	ND	8.0	µg/L
28	Benzene	15	4.0	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	8.0	µg/L
30	Dibromomethane	ND	8.0	µg/L
31	1,2-Dichloropropane	ND	8.0	µg/L
32	Trichloroethene	ND	8.0	µg/L
33	Bromodichloromethane	ND	8.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	40	µg/L
35	cis-1,3-Dichloropropene	ND	8.0	µg/L
36	trans-1,3-Dichloropropene	ND	8.0	µg/L
37	1,1,2-Trichloroethane	ND	8.0	µg/L
38	Toluene	ND	4.0	µg/L
39	1,3-Dichloropropane	ND	8.0	µg/L
40	2-Hexanone	ND	80	µg/L
41	Dibromochloromethane	ND	8.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	16	µg/L
43	Tetrachloroethene	ND	8.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	8.0	µg/L

	Compound	Concentration	Reporting Limit	
45	Chlorobenzene	ND	8.0	µg/L
46	Ethylbenzene	9.3	4.0	µg/L
47	m,p-Xylene	64	4.0	µg/L
48	Bromoform	ND	8.0	µg/L
49	Xylenes, Total	110	4.0	µg/L
50	Styrene	ND	8.0	µg/L
51	o-Xylene	50	4.0	µg/L
52	1,1,2,2-Tetrachloroethane	ND	8.0	µg/L
53	1,2,3-Trichloropropane	ND	32	µg/L
54	Isopropylbenzene	ND	8.0	µg/L
55	Bromobenzene	ND	8.0	µg/L
56	n-Propylbenzene	8.6	8.0	µg/L
57	4-Chlorotoluene	ND	8.0	µg/L
58	2-Chlorotoluene	ND	8.0	µg/L
59	1,3,5-Trimethylbenzene	60	8.0	µg/L
60	tert-Butylbenzene	ND	8.0	µg/L
61	1,2,4-Trimethylbenzene	200	8.0	µg/L
62	sec-Butylbenzene	ND	8.0	µg/L
63	1,3-Dichlorobenzene	ND	8.0	µg/L
64	1,4-Dichlorobenzene	ND	8.0	µg/L
65	4-Isopropyltoluene	ND	8.0	µg/L
66	1,2-Dichlorobenzene	ND	8.0	µg/L
67	n-Butylbenzene	ND	8.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	48	µg/L
69	1,2,4-Trichlorobenzene	ND	32	µg/L
70	Naphthalene	ND	32	µg/L
71	1,2,3-Trichlorobenzene	ND	32	µg/L
72	Surr: 1,2-Dichloroethane-d4	93	(70-130)	%REC
73	Surr: Toluene-d8	104	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	86	(70-130)	%REC

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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ACLASS ACCREDITED DoD ELAP

10/19/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: DFSP KMEP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16101001-11A
Client I.D. Number: GMW-O-14

Sampled: 10/07/16 11:27
Received: 10/08/16
Extracted: 10/19/16 04:30
Analyzed: 10/19/16 04:30

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	100	µg/L
2	Chloromethane	ND	400	µg/L
3	Vinyl chloride	ND	100	µg/L
4	Chloroethane	ND	100	µg/L
5	Bromomethane	ND	400	µg/L
6	Trichlorofluoromethane	ND	100	µg/L
7	Acetone	ND	2,000	µg/L
8	1,1-Dichloroethene	ND	100	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	1,000	µg/L
10	Dichloromethane	ND	400	µg/L
11	Freon-113	ND	100	µg/L
12	Carbon disulfide	ND	500	µg/L
13	trans-1,2-Dichloroethene	ND	100	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	50	µg/L
15	1,1-Dichloroethane	ND	100	µg/L
16	Vinyl acetate	ND	10,000	µg/L
17	2-Butanone (MEK)	ND	2,000	µg/L
18	Di-isopropyl Ether (DIPE)	220	100	µg/L
19	cis-1,2-Dichloroethene	ND	100	µg/L
20	Bromochloromethane	ND	100	µg/L
21	Chloroform	ND	100	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	100	µg/L
23	2,2-Dichloropropane	ND	100	µg/L
24	1,2-Dichloroethane	ND	100	µg/L
25	1,1,1-Trichloroethane	ND	100	µg/L
26	1,1-Dichloropropene	ND	100	µg/L
27	Carbon tetrachloride	ND	100	µg/L
28	Benzene	12,000	50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	100	µg/L
30	Dibromomethane	ND	100	µg/L
31	1,2-Dichloropropane	ND	100	µg/L
32	Trichloroethene	ND	100	µg/L
33	Bromodichloromethane	ND	100	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	500	µg/L
35	cis-1,3-Dichloropropene	ND	100	µg/L
36	trans-1,3-Dichloropropene	ND	100	µg/L
37	1,1,2-Trichloroethane	ND	100	µg/L
38	Toluene	72	50	µg/L
39	1,3-Dichloropropane	ND	100	µg/L
40	2-Hexanone	ND	1,000	µg/L
41	Dibromochloromethane	ND	100	µg/L
42	1,2-Dibromoethane (EDB)	ND	200	µg/L
43	Tetrachloroethene	ND	100	µg/L
44	1,1,1,2-Tetrachloroethane	ND	100	µg/L
45	Chlorobenzene	ND	100	µg/L
46	Ethylbenzene	390	50	µg/L
47	m,p-Xylene	170	50	µg/L
48	Bromoform	ND	100	µg/L
49	Xylenes, Total	290	50	µg/L
50	Styrene	ND	100	µg/L
51	o-Xylene	120	50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	100	µg/L
53	1,2,3-Trichloropropane	ND	400	µg/L
54	Isopropylbenzene	ND	100	µg/L
55	Bromobenzene	ND	100	µg/L
56	n-Propylbenzene	ND	100	µg/L
57	4-Chlorotoluene	ND	100	µg/L
58	2-Chlorotoluene	ND	100	µg/L
59	1,3,5-Trimethylbenzene	ND	100	µg/L
60	tert-Butylbenzene	ND	100	µg/L
61	1,2,4-Trimethylbenzene	150	100	µg/L
62	sec-Butylbenzene	ND	100	µg/L
63	1,3-Dichlorobenzene	ND	100	µg/L
64	1,4-Dichlorobenzene	ND	100	µg/L
65	4-Isopropyltoluene	ND	100	µg/L
66	1,2-Dichlorobenzene	ND	100	µg/L
67	n-Butylbenzene	ND	100	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	600	µg/L
69	1,2,4-Trichlorobenzene	ND	400	µg/L
70	Naphthalene	ND	400	µg/L
71	1,2,3-Trichlorobenzene	ND	400	µg/L
72	Surr: 1,2-Dichloroethane-d4	86	(70-130)	%REC
73	Surr: Toluene-d8	109	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	89	(70-130)	%REC

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl   Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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ACLASS ACCREDITED DoD ELAP

10/19/16
Report Date

Alpha Analytical, Inc.

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ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: DFSP KMEP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16101001-12A
Client I.D. Number: MW-SF-6

Sampled: 10/07/16 10:37
Received: 10/08/16
Extracted: 10/19/16 02:53
Analyzed: 10/19/16 02:53

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	10	µg/L
2	Chloromethane	ND	40	µg/L
3	Vinyl chloride	ND	10	µg/L
4	Chloroethane	ND	10	µg/L
5	Bromomethane	ND	40	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	200	µg/L
8	1,1-Dichloroethene	ND	10	µg/L
9	Tertiary Butyl Alcohol (TBA)	390	100	µg/L
10	Dichloromethane	ND	40	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	50	µg/L
13	trans-1,2-Dichloroethene	ND	10	µg/L
14	Methyl tert-butyl ether (MTBE)	53	5.0	µg/L
15	1,1-Dichloroethane	ND	10	µg/L
16	Vinyl acetate	ND	1,000	µg/L
17	2-Butanone (MEK)	ND	200	µg/L
18	Di-isopropyl Ether (DIPE)	ND	10	µg/L
19	cis-1,2-Dichloroethene	ND	10	µg/L
20	Bromochloromethane	ND	10	µg/L
21	Chloroform	ND	10	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	10	µg/L
23	2,2-Dichloropropane	ND	10	µg/L
24	1,2-Dichloroethane	ND	10	µg/L
25	1,1,1-Trichloroethane	ND	10	µg/L
26	1,1-Dichloropropene	ND	10	µg/L
27	Carbon tetrachloride	ND	10	µg/L
28	Benzene	430	5.0	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	10	µg/L
30	Dibromomethane	ND	10	µg/L
31	1,2-Dichloropropane	ND	10	µg/L
32	Trichloroethene	ND	10	µg/L
33	Bromodichloromethane	ND	10	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	50	µg/L
35	cis-1,3-Dichloropropene	ND	10	µg/L
36	trans-1,3-Dichloropropene	ND	10	µg/L
37	1,1,2-Trichloroethane	ND	10	µg/L
38	Toluene	ND	5.0	µg/L
39	1,3-Dichloropropane	ND	10	µg/L
40	2-Hexanone	ND	100	µg/L
41	Dibromochloromethane	ND	10	µg/L
42	1,2-Dibromoethane (EDB)	ND	20	µg/L
43	Tetrachloroethene	ND	10	µg/L
44	1,1,1,2-Tetrachloroethane	ND	10	µg/L
45	Chlorobenzene	ND	10	µg/L
46	Ethylbenzene	35	5.0	µg/L
47	m,p-Xylene	450	5.0	µg/L
48	Bromoform	ND	10	µg/L
49	Xylenes, Total	640	5.0	µg/L
50	Styrene	ND	10	µg/L
51	o-Xylene	190	5.0	µg/L
52	1,1,2,2-Tetrachloroethane	ND	10	µg/L
53	1,2,3-Trichloropropane	ND	40	µg/L
54	Isopropylbenzene	ND	10	µg/L
55	Bromobenzene	ND	10	µg/L
56	n-Propylbenzene	ND	10	µg/L
57	4-Chlorotoluene	ND	10	µg/L
58	2-Chlorotoluene	ND	10	µg/L
59	1,3,5-Trimethylbenzene	310	10	µg/L
60	tert-Butylbenzene	ND	10	µg/L
61	1,2,4-Trimethylbenzene	440	10	µg/L
62	sec-Butylbenzene	ND	10	µg/L
63	1,3-Dichlorobenzene	ND	10	µg/L
64	1,4-Dichlorobenzene	ND	10	µg/L
65	4-Isopropyltoluene	ND	10	µg/L
66	1,2-Dichlorobenzene	ND	10	µg/L
67	n-Butylbenzene	48	10	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	60	µg/L
69	1,2,4-Trichlorobenzene	ND	40	µg/L
70	Naphthalene	64	40	µg/L
71	1,2,3-Trichlorobenzene	ND	40	µg/L
72	Surr: 1,2-Dichloroethane-d4	87	(70-130)	%REC
73	Surr: Toluene-d8	107	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	89	(70-130)	%REC

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

10/19/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: DFSP KMEP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16101001-13A
Client I.D. Number: MW-SF-1

Sampled: 10/07/16 09:53
Received: 10/08/16
Extracted: 10/19/16 00:53
Analyzed: 10/19/16 00:53

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	0.57	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	95	(70-130)	%REC
73	Surr: Toluene-d8	104	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	87	(70-130)	%REC

ND = Not Detected

Roger Scholl Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Statement of Data Authenticity : Alpha Analytical, Inc. attests that the data reported has not been altered an any way.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

ACLASS ACCREDITED DoD ELAP

RG

10/19/16
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: DFSP KMEP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH16101001-14A
Client I.D. Number: EXP-1

Sampled: 10/07/16 11:45
Received: 10/08/16
Extracted: 10/19/16 00:28
Analyzed: 10/19/16 00:28

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	0.50	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	Acetone	ND	10	µg/L
8	1,1-Dichloroethene	ND	1.0	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Freon-113	ND	10	µg/L
12	Carbon disulfide	ND	2.5	µg/L
13	trans-1,2-Dichloroethene	ND	1.0	µg/L
14	Methyl tert-butyl ether (MTBE)	1.8	0.50	µg/L
15	1,1-Dichloroethane	ND	1.0	µg/L
16	Vinyl acetate	ND	50	µg/L
17	2-Butanone (MEK)	ND	10	µg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	µg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	µg/L
21	Chloroform	ND	1.0	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	µg/L
23	2,2-Dichloropropane	ND	1.0	µg/L
24	1,2-Dichloroethane	ND	0.50	µg/L
25	1,1,1-Trichloroethane	ND	1.0	µg/L
26	1,1-Dichloropropene	ND	1.0	µg/L
27	Carbon tetrachloride	ND	1.0	µg/L
28	Benzene	ND	0.50	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	µg/L
30	Dibromomethane	ND	1.0	µg/L
31	1,2-Dichloropropane	ND	1.0	µg/L
32	Trichloroethene	ND	1.0	µg/L
33	Bromodichloromethane	ND	1.0	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
35	cis-1,3-Dichloropropene	ND	0.50	µg/L
36	trans-1,3-Dichloropropene	ND	0.50	µg/L
37	1,1,2-Trichloroethane	ND	1.0	µg/L
38	Toluene	ND	0.50	µg/L
39	1,3-Dichloropropane	ND	1.0	µg/L
40	2-Hexanone	ND	5.0	µg/L
41	Dibromochloromethane	ND	1.0	µg/L
42	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
43	Tetrachloroethene	ND	1.0	µg/L
44	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
45	Chlorobenzene	ND	1.0	µg/L
46	Ethylbenzene	ND	0.50	µg/L
47	m,p-Xylene	ND	0.50	µg/L
48	Bromoform	ND	1.0	µg/L
49	Xylenes, Total	ND	0.50	µg/L
50	Styrene	ND	1.0	µg/L
51	o-Xylene	ND	0.50	µg/L
52	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
53	1,2,3-Trichloropropane	ND	2.0	µg/L
54	Isopropylbenzene	ND	1.0	µg/L
55	Bromobenzene	ND	1.0	µg/L
56	n-Propylbenzene	ND	1.0	µg/L
57	4-Chlorotoluene	ND	1.0	µg/L
58	2-Chlorotoluene	ND	1.0	µg/L
59	1,3,5-Trimethylbenzene	ND	1.0	µg/L
60	tert-Butylbenzene	ND	1.0	µg/L
61	1,2,4-Trimethylbenzene	ND	1.0	µg/L
62	sec-Butylbenzene	ND	1.0	µg/L
63	1,3-Dichlorobenzene	ND	1.0	µg/L
64	1,4-Dichlorobenzene	ND	1.0	µg/L
65	4-Isopropyltoluene	ND	1.0	µg/L
66	1,2-Dichlorobenzene	ND	1.0	µg/L
67	n-Butylbenzene	ND	1.0	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
69	1,2,4-Trichlorobenzene	ND	2.0	µg/L
70	Naphthalene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	100	(70-130)	%REC
73	Surr: Toluene-d8	103	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	89	(70-130)	%REC

ND = Not Detected

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10/19/16
Report Date

Alpha Analytical, Inc.
255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

VOC Sample Preservation Report

Work Order: CHH16101001 **Job:** DFSP KMEP Norwalk

Alpha's Sample ID	Client's Sample ID	Matrix	pH
16101001-01A	GMW-O-21	Aqueous	2
16101001-02A	MW-SF-13	Aqueous	2
16101001-03A	GMW-30	Aqueous	2
16101001-04A	DUP-7	Aqueous	2
16101001-05A	EB-6	Aqueous	2
16101001-06A	TB-4	Aqueous	2
16101001-07A	MW-SF-15	Aqueous	2
16101001-08A	MW-SF-4	Aqueous	2
16101001-09A	GMW-O-20	Aqueous	2
16101001-10A	GMW-O-23	Aqueous	2
16101001-11A	GMW-O-14	Aqueous	2
16101001-12A	MW-SF-6	Aqueous	2
16101001-13A	MW-SF-1	Aqueous	2
16101001-14A	EXP-1	Aqueous	2

10/19/16
Report Date

Alpha Analytical, Inc.

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Date: *20-Oct-16*

QC Summary Report

Work Order: 16101001

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B/C Ext**
File ID: **16** Batch ID: **37320** Analysis Date: **10/14/2016 18:03**
Sample ID: **MBLK-37320** Units : **mg/L** Run ID: **MANUAL_161013L** Prep Date: **10/14/2016 12:34**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	ND	0.05								
Surr: Nonane	0.151		0.15		101	35	151			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B/C Ext**
File ID: **17** Batch ID: **37320** Analysis Date: **10/14/2016 18:29**
Sample ID: **LCS-37320** Units : **mg/L** Run ID: **MANUAL_161013L** Prep Date: **10/14/2016 12:34**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.79	0.05	2.5		112	73	135			
Surr: Nonane	0.14		0.15		93	35	151			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B/C Ext**
File ID: **19** Batch ID: **37320** Analysis Date: **10/14/2016 19:21**
Sample ID: **16101001-14AMS** Units : **mg/L** Run ID: **MANUAL_161013L** Prep Date: **10/14/2016 12:34**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.79	0.1	2.5	0	112	64	161			
Surr: Nonane	0.269		0.3		90	33	162			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B/C Ext**
File ID: **20** Batch ID: **37320** Analysis Date: **10/14/2016 19:48**
Sample ID: **16101001-14AMSD** Units : **mg/L** Run ID: **MANUAL_161013L** Prep Date: **10/14/2016 12:34**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.63	0.1	2.5	0	105	64	161	2.791	6.1(40)	
Surr: Nonane	0.27		0.3		90	33	162			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Oil Range Organics (ORO) C22-C40+
Jet Fuel Range Organics (JFRO) C9-C22. JFRO determination is based on its chromatographic fingerprint.
Diesel Range Organics (DRO) C13-C22

Alpha Analytical, Inc.
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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *20-Oct-16*

QC Summary Report

Work Order: 16101001

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B/C / SW8260B**
File ID: **41** Batch ID: **MS09W1018D** Analysis Date: **10/18/2016 22:52**
Sample ID: **MBLK MS09W1019A** Units : **mg/L** Run ID: **MANUAL_161018A** Prep Date: **10/18/2016 22:52**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	0.05								
Surr: 1,2-Dichloroethane-d4	0.0101		0.01		101	70	130			
Surr: Toluene-d8	0.0104		0.01		104	70	130			
Surr: 4-Bromofluorobenzene	0.0093		0.01		93	70	130			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B/C / SW8260B**
File ID: **40** Batch ID: **MS09W1018D** Analysis Date: **10/18/2016 22:04**
Sample ID: **GLCS MS09W1019D** Units : **mg/L** Run ID: **MANUAL_161018A** Prep Date: **10/18/2016 22:04**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	0.422	0.05	0.4		106	70	130			
Surr: 1,2-Dichloroethane-d4	0.0101		0.01		101	70	130			
Surr: Toluene-d8	0.0105		0.01		105	70	130			
Surr: 4-Bromofluorobenzene	0.00936		0.01		94	70	130			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B/C / SW8260B**
File ID: **40** Batch ID: **MS09W1018D** Analysis Date: **10/19/2016 05:42**
Sample ID: **16101001-03AGS** Units : **mg/L** Run ID: **MANUAL_161019A** Prep Date: **10/19/2016 05:42**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2.15	0.25	2	0.3647	89	46	167			
Surr: 1,2-Dichloroethane-d4	0.0415		0.05		83	70	130			
Surr: Toluene-d8	0.0543		0.05		109	70	130			
Surr: 4-Bromofluorobenzene	0.0451		0.05		90	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B/C / SW8260B**
File ID: **41** Batch ID: **MS09W1018D** Analysis Date: **10/19/2016 06:06**
Sample ID: **16101001-03AGSD** Units : **mg/L** Run ID: **MANUAL_161019A** Prep Date: **10/19/2016 06:06**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2.37	0.25	2	0.3647	100	54	143	2.153	9.7(23)	
Surr: 1,2-Dichloroethane-d4	0.0424		0.05		85	70	130			
Surr: Toluene-d8	0.0542		0.05		108	70	130			
Surr: 4-Bromofluorobenzene	0.0458		0.05		92	70	130			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Gasoline Range Organics (GRO) C4-C13

Gasoline Range Organics (GRO) C4-C13

Aeronautic Gas Range Orgnics (AGRO) C4-C10

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *20-Oct-16*

QC Summary Report

Work Order: 16101001

Method Blank | Type **MBLK** | Test Code: **EPA Method SW8260B**
File ID: **2** | Batch ID: **MS09W1018C** | Analysis Date: **10/18/2016 22:52**
Sample ID: **MBLK MS09W1019A** | Units : **µg/L** | Run ID: **MANUAL_161018A** | Prep Date: **10/18/2016 22:52**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	ND	1								
Chloromethane	ND	2								
Vinyl chloride	ND	0.5								
Chloroethane	ND	1								
Bromomethane	ND	2								
Trichlorofluoromethane	ND	10								
Acetone	ND	10								
1,1-Dichloroethene	ND	1								
Tertiary Butyl Alcohol (TBA)	ND	10								
Dichloromethane	ND	5								
Freon-113	ND	10								
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	0.5								
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	10								
cis-1,3-Dichloropropene	ND	0.5								
trans-1,3-Dichloropropene	ND	0.5								
1,1,2-Trichloroethane	ND	1								
Toluene	ND	0.5								
1,3-Dichloropropane	ND	1								
2-Hexanone	ND	5								
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								
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								

Alpha Analytical, Inc.

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Date: *20-Oct-16*

QC Summary Report

Work Order: 16101001

n-Butylbenzene	ND	1				
1,2-Dibromo-3-chloropropane (DBCP)	ND	5				
1,2,4-Trichlorobenzene	ND	2				
Naphthalene	ND	10				
1,2,3-Trichlorobenzene	ND	2				
Xylenes, Total	ND	0.5				
Surr: 1,2-Dichloroethane-d4	10.1		10	101	70	130
Surr: Toluene-d8	10.4		10	104	70	130
Surr: 4-Bromofluorobenzene	9.3		10	93	70	130

Alpha Analytical, Inc.

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Date: 20-Oct-16

QC Summary Report

Work Order: 16101001

Laboratory Control Spike Type LCS Test Code: EPA Method SW8260B

File ID: 1 Batch ID: MS09W1018C Analysis Date: 10/18/2016 21:15

Sample ID: LCS MS09W1019C Units : µg/L Run ID: MANUAL_161018A Prep Date: 10/18/2016 21:15

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	12.3	1	10		123	32	145			
Chloromethane	9.6	2	10		96	40	145			
Vinyl chloride	9.37	1	10		94	70	130			
Chloroethane	11.5	1	10		115	38	156			
Bromomethane	4.58	2	10		23	13	162			
Trichlorofluoromethane	11.7	1	10		117	46	154			
Acetone	241	10	200		120	22	188			
1,1-Dichloroethene	10.3	1	10		103	70	130			
Tertiary Butyl Alcohol (TBA)	149	10	100		149	48	148			L51
Dichloromethane	9.9	2	10		99	69	130			
Freon-113	12.1	1	10		121	70	136			
trans-1,2-Dichloroethene	10.4	1	10		104	70	130			
Methyl tert-butyl ether (MTBE)	10.2	0.5	10		102	63	137			
1,1-Dichloroethane	11.6	1	10		116	70	130			
2-Butanone (MEK)	231	10	200		115	26	183			
Di-isopropyl Ether (DIPE)	11.9	1	10		119	69	133			
cis-1,2-Dichloroethene	11.1	1	10		111	70	130			
Bromochloromethane	10.4	1	10		104	70	133			
Chloroform	12	1	10		120	70	130			
Ethyl Tertiary Butyl Ether (ETBE)	11.7	1	10		117	66	135			
2,2-Dichloropropane	10.9	1	10		109	70	149			
1,2-Dichloroethane	13.1	1	10		131	70	133			
1,1,1-Trichloroethane	12.4	1	10		124	70	135			
1,1-Dichloropropene	12.1	1	10		121	70	130			
Carbon tetrachloride	12.9	1	10		129	63	143			
Benzene	11	0.5	10		110	70	130			
Tertiary Amyl Methyl Ether (TAME)	11.7	1	10		117	70	133			
Dibromomethane	11.3	1	10		113	70	130			
1,2-Dichloropropane	12.2	1	10		122	70	130			
Trichloroethene	12.3	1	10		123	68	138			
Bromodichloromethane	12.2	1	10		122	58	147			
4-Methyl-2-pentanone (MIBK)	33	2.5	25		132	59	140			
cis-1,3-Dichloropropene	11.3	1	10		113	70	130			
trans-1,3-Dichloropropene	10.1	1	10		101	70	131			
1,1,2-Trichloroethane	9.46	1	10		95	70	130			
Toluene	11.1	0.5	10		111	70	130			
1,3-Dichloropropane	10.1	1	10		101	70	130			
2-Hexanone	115	5	100		115	48	157			
Dibromochloromethane	10.3	1	10		103	49	147			
1,2-Dibromoethane (EDB)	18.9	2	20		94	70	131			
Tetrachloroethene	11.9	1	10		119	70	130			
1,1,1,2-Tetrachloroethane	10.2	1	10		102	70	130			
Chlorobenzene	9.29	1	10		93	70	130			
Ethylbenzene	10.6	0.5	10		106	70	130			
m,p-Xylene	10.2	0.5	10		102	65	139			
Bromoform	10.6	1	10		106	60	144			
Styrene	9.2	1	10		92	55	144			
o-Xylene	10.1	0.5	10		101	70	130			
1,1,2,2-Tetrachloroethane	8.92	1	10		89	70	130			
1,2,3-Trichloropropane	21.7	2	20		108	70	130			
Isopropylbenzene	11.2	1	10		112	69	136			
Bromobenzene	9.66	1	10		97	70	130			
n-Propylbenzene	10.6	1	10		106	70	132			
4-Chlorotoluene	10.7	1	10		107	70	132			
2-Chlorotoluene	10.4	1	10		104	70	130			
1,3,5-Trimethylbenzene	11.5	1	10		115	70	134			
tert-Butylbenzene	11.1	1	10		111	63	139			
1,2,4-Trimethylbenzene	11.6	1	10		116	70	133			
sec-Butylbenzene	10.7	1	10		107	70	132			
1,3-Dichlorobenzene	10.3	1	10		103	70	130			
1,4-Dichlorobenzene	10.2	1	10		102	70	130			
4-Isopropyltoluene	11.7	1	10		117	40	161			
1,2-Dichlorobenzene	9.98	1	10		99.8	70	130			
n-Butylbenzene	10.7	1	10		107	69	134			
1,2-Dibromo-3-chloropropane (DBCP)	47.7	3	50		95	67	130			

1,2,4-Trichlorobenzene	8.54	2	10	85	62	131
Naphthalene	6.64	2	10	66	39	149
1,2,3-Trichlorobenzene	6.52	2	10	65	54	135
Xylenes, Total	20.2	0.5	20	101	70	130
Surr: 1,2-Dichloroethane-d4	10.5		10	105	70	130
Surr: Toluene-d8	9.88		10	99	70	130
Surr: 4-Bromofluorobenzene	8.7		10	87	70	130

Alpha Analytical, Inc.

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Date: *20-Oct-16*

QC Summary Report

Work Order: 16101001

Sample Matrix Spike — Type **MS** — Test Code: **EPA Method SW8260B**

File ID: **17** — Batch ID: **MS09W1018C** — Analysis Date: **10/19/2016 04:54**

Sample ID: **16101001-03AMS** — Units : **µg/L** — Run ID: **MANUAL_161018A** — Prep Date: **10/19/2016 04:54**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	73.1	2.5	50	0	146	12	150			
Chloromethane	49.8	10	50	0	99.6	26	146			
Vinyl chloride	56.3	2.5	50	0	113	46	142			
Chloroethane	58.1	2.5	50	0	116	25	164			
Bromomethane	16.9	10	50	2.3	29	10	172			
Trichlorofluoromethane	53.1	2.5	50	0	106	32	164			
Acetone	979	50	1000	0	98	10	188			
1,1-Dichloroethene	55.3	2.5	50	0	111	62	133			
Tertiary Butyl Alcohol (TBA)	547	25	500	27.34	104	44	155			
Dichloromethane	49	10	50	0	98	69	130			
Freon-113	57.1	2.5	50	0	114	56	144			
trans-1,2-Dichloroethene	53.1	2.5	50	0	106	67	131			
Methyl tert-butyl ether (MTBE)	46.7	1.3	50	2.27	89	56	140			
1,1-Dichloroethane	53.5	2.5	50	1.74	104	67	130			
2-Butanone (MEK)	934	50	1000	0	93	26	183			
Di-isopropyl Ether (DIPE)	55	2.5	50	6.01	98	59	138			
cis-1,2-Dichloroethene	54	2.5	50	0	108	70	130			
Bromochloromethane	50.3	2.5	50	0	101	70	134			
Chloroform	52.3	2.5	50	0	105	69	130			
Ethyl Tertiary Butyl Ether (ETBE)	50.8	2.5	50	0	102	62	135			
2,2-Dichloropropane	37.7	2.5	50	0	75	44	149			
1,2-Dichloroethane	51.8	2.5	50	1.23	101	64	139			
1,1,1-Trichloroethane	55.8	2.5	50	0	112	65	139			
1,1-Dichloropropene	54.1	2.5	50	0	108	68	134			
Carbon tetrachloride	56.6	2.5	50	0	113	56	146			
Benzene	77	1.3	50	23.89	106	67	134			
Tertiary Amyl Methyl Ether (TAME)	50.6	2.5	50	0	101	64	135			
Dibromomethane	53.4	2.5	50	0	107	70	132			
1,2-Dichloropropane	51	2.5	50	0	102	69	134			
Trichloroethene	54.2	2.5	50	0	108	68	138			
Bromodichloromethane	52.7	2.5	50	2.48	100	58	147			
4-Methyl-2-pentanone (MIBK)	117	13	125	0	94	49	140			
cis-1,3-Dichloropropene	45.2	2.5	50	0	90	61	130			
trans-1,3-Dichloropropene	42.5	2.5	50	0	85	62	131			
1,1,2-Trichloroethane	44.5	2.5	50	0	89	70	131			
Toluene	52.8	1.3	50	0.6	104	38	130			
1,3-Dichloropropane	45	2.5	50	0	90	70	130			
2-Hexanone	421	25	500	0	84	25	157			
Dibromochloromethane	47.2	2.5	50	0	94	49	147			
1,2-Dibromoethane (EDB)	88.5	5	100	0	88	70	131			
Tetrachloroethene	61.7	2.5	50	0	123	63	134			
1,1,1,2-Tetrachloroethane	48.3	2.5	50	0	97	70	133			
Chlorobenzene	45.9	2.5	50	0	92	70	130			
Ethylbenzene	53.8	1.3	50	2.61	102	70	130			
m,p-Xylene	51.2	1.3	50	1.53	99	65	139			
Bromoform	50.7	2.5	50	0	101	60	144			
Styrene	41.8	2.5	50	0	84	53	144			
o-Xylene	49.9	1.3	50	1.49	97	69	130			
1,1,2,2-Tetrachloroethane	43.9	2.5	50	0	88	67	134			
1,2,3-Trichloropropane	86.8	10	100	0	87	70	130			
Isopropylbenzene	53.8	2.5	50	0	108	64	136			
Bromobenzene	48.5	2.5	50	0	97	69	130			
n-Propylbenzene	50.6	2.5	50	1.69	98	65	132			
4-Chlorotoluene	48.8	2.5	50	0	98	69	132			
2-Chlorotoluene	49	2.5	50	0	98	69	130			
1,3,5-Trimethylbenzene	50.9	2.5	50	1.47	99	64	135			
tert-Butylbenzene	50.3	2.5	50	0	101	63	139			
1,2,4-Trimethylbenzene	54	2.5	50	2.59	103	62	135			
sec-Butylbenzene	50.4	2.5	50	0	101	68	132			
1,3-Dichlorobenzene	47	2.5	50	0	94	70	130			
1,4-Dichlorobenzene	47	2.5	50	0	94	70	130			
4-Isopropyltoluene	52	2.5	50	0	104	40	161			
1,2-Dichlorobenzene	44.2	2.5	50	0	88	70	130			
n-Butylbenzene	45.2	2.5	50	0	90	58	135			
1,2-Dibromo-3-chloropropane (DBCP)	201	15	250	0	81	63	131			

1,2,4-Trichlorobenzene	35.8	10	50	0	72	57	134	
Naphthalene	26.4	10	50	0	53	31	157	
1,2,3-Trichlorobenzene	25.3	10	50	0	51	52	138	M2
Xylenes, Total	101	1.3	100	3	98	70	130	
Surr: 1,2-Dichloroethane-d4	43.3		50		87	70	130	
Surr: Toluene-d8	51.7		50		103	70	130	
Surr: 4-Bromofluorobenzene	43.8		50		88	70	130	

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Date: 20-Oct-16

QC Summary Report

Work Order: 16101001

Sample Matrix Spike Duplicate Type **MSD** Test Code: **EPA Method SW8260B**

File ID: **18** Batch ID: **MS09W1018C** Analysis Date: **10/19/2016 05:18**

Sample ID: **16101001-03AMSD** Units : **µg/L** Run ID: **MANUAL_161018A** Prep Date: **10/19/2016 05:18**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	84	2.5	50	0	168	12	150	73.11	13.9(38)	M1
Chloromethane	53.7	10	50	0	107	26	146	49.82	7.5(31)	
Vinyl chloride	57.9	2.5	50	0	116	46	142	56.32	2.7(25)	
Chloroethane	59.6	2.5	50	0	119	25	164	58.1	2.6(40)	
Bromomethane	20.5	10	50	2.3	36	10	172	16.93	19.0(40)	
Trichlorofluoromethane	56.4	2.5	50	0	113	32	164	53.09	6.1(34)	
Acetone	987	50	1000	0	99	10	188	979.2	0.8(39)	
1,1-Dichloroethene	57.4	2.5	50	0	115	62	133	55.33	3.7(35)	
Tertiary Butyl Alcohol (TBA)	559	25	500	27.34	106	44	155	547.5	2.2(33)	
Dichloromethane	49.4	10	50	0	99	69	130	48.97	0.8(26)	
Freon-113	64.9	2.5	50	0	130	56	144	57.1	12.8(40)	
trans-1,2-Dichloroethene	54.5	2.5	50	0	109	67	131	53.08	2.6(27)	
Methyl tert-butyl ether (MTBE)	47	1.3	50	2.27	89	56	140	46.68	0.7(40)	
1,1-Dichloroethane	54.1	2.5	50	1.74	105	67	130	53.49	1.1(20)	
2-Butanone (MEK)	944	50	1000	0	94	26	183	933.8	1.1(22)	
Di-isopropyl Ether (DIPE)	55.4	2.5	50	6.01	99	59	138	55.04	0.7(20)	
cis-1,2-Dichloroethene	54.9	2.5	50	0	110	70	130	54.01	1.7(20)	
Bromochloromethane	51.8	2.5	50	0	104	70	134	50.34	2.9(20)	
Chloroform	51.9	2.5	50	0	104	69	130	52.25	0.6(22)	
Ethyl Tertiary Butyl Ether (ETBE)	50.9	2.5	50	0	102	62	135	50.77	0.3(40)	
2,2-Dichloropropane	37.6	2.5	50	0	75	44	149	37.74	0.3(23)	
1,2-Dichloroethane	52.4	2.5	50	1.23	102	64	139	51.79	1.2(20)	
1,1,1-Trichloroethane	56.4	2.5	50	0	113	65	139	55.76	1.2(20)	
1,1-Dichloropropene	54.6	2.5	50	0	109	68	134	54.08	0.9(20)	
Carbon tetrachloride	57.3	2.5	50	0	115	56	146	56.62	1.1(21)	
Benzene	78.1	1.3	50	23.89	108	67	134	76.98	1.4(21)	
Tertiary Amyl Methyl Ether (TAME)	51	2.5	50	0	102	64	135	50.55	0.8(31)	
Dibromomethane	53.3	2.5	50	0	107	70	132	53.39	0.2(20)	
1,2-Dichloropropane	52	2.5	50	0	104	69	134	50.97	2.0(20)	
Trichloroethene	54.5	2.5	50	0	109	68	138	54.2	0.6(20)	
Bromodichloromethane	53.8	2.5	50	2.48	103	58	147	52.66	2.1(20)	
4-Methyl-2-pentanone (MIBK)	116	13	125	0	92	49	140	117.3	1.5(24)	
cis-1,3-Dichloropropene	45.4	2.5	50	0	91	61	130	45.2	0.4(20)	
trans-1,3-Dichloropropene	43.7	2.5	50	0	87	62	131	42.52	2.8(21)	
1,1,2-Trichloroethane	47.2	2.5	50	0	94	70	131	44.45	5.9(20)	
Toluene	53.1	1.3	50	0.6	105	38	130	52.77	0.7(20)	
1,3-Dichloropropane	46.3	2.5	50	0	93	70	130	45	2.7(20)	
2-Hexanone	428	25	500	0	86	25	157	421	1.8(23)	
Dibromochloromethane	47.9	2.5	50	0	96	49	147	47.18	1.6(20)	
1,2-Dibromoethane (EDB)	89.6	5	100	0	90	70	131	88.49	1.3(20)	
Tetrachloroethene	61.8	2.5	50	0	124	63	134	61.72	0.2(20)	
1,1,1,2-Tetrachloroethane	50.1	2.5	50	0	100	70	133	48.29	3.7(20)	
Chlorobenzene	47.5	2.5	50	0	95	70	130	45.9	3.4(20)	
Ethylbenzene	55.3	1.3	50	2.61	105	70	130	53.82	2.7(20)	
m,p-Xylene	52.8	1.3	50	1.53	103	65	139	51.16	3.2(20)	
Bromoform	51.5	2.5	50	0	103	60	144	50.65	1.6(21)	
Styrene	42.7	2.5	50	0	85	53	144	41.75	2.3(31)	
o-Xylene	51.8	1.3	50	1.49	101	69	130	49.91	3.7(20)	
1,1,2,2-Tetrachloroethane	43.6	2.5	50	0	87	67	134	43.89	0.7(20)	
1,2,3-Trichloropropane	85.7	10	100	0	86	70	130	86.75	1.2(20)	
Isopropylbenzene	55.7	2.5	50	0	111	64	136	53.83	3.3(20)	
Bromobenzene	49.5	2.5	50	0	99	69	130	48.47	2.0(20)	
n-Propylbenzene	51.3	2.5	50	1.69	99	65	132	50.62	1.3(40)	
4-Chlorotoluene	48.6	2.5	50	0	97	69	132	48.8	0.4(20)	
2-Chlorotoluene	48.2	2.5	50	0	96	69	130	48.99	1.5(20)	
1,3,5-Trimethylbenzene	50.7	2.5	50	1.47	98	64	135	50.9	0.4(21)	
tert-Butylbenzene	50.9	2.5	50	0	102	63	139	50.27	1.2(20)	
1,2,4-Trimethylbenzene	53.6	2.5	50	2.59	102	62	135	54.04	0.9(24)	
sec-Butylbenzene	50.4	2.5	50	0	101	68	132	50.4	0.1(20)	
1,3-Dichlorobenzene	47.1	2.5	50	0	94	70	130	47	0.3(20)	
1,4-Dichlorobenzene	47.4	2.5	50	0	95	70	130	46.95	1.0(20)	
4-Isopropyltoluene	52.5	2.5	50	0	105	40	161	52.04	0.9(22)	
1,2-Dichlorobenzene	44.5	2.5	50	0	89	70	130	44.21	0.5(20)	
n-Butylbenzene	46	2.5	50	0	92	58	135	45.2	1.7(24)	
1,2-Dibromo-3-chloropropane (DBCP)	208	15	250	0	83	63	131	201.3	3.4(29)	

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Date: *20-Oct-16*

QC Summary Report

Work Order: 16101001

1,2,4-Trichlorobenzene	44.7	10	50	0	89	57	134	35.8	22.1(30)	
Naphthalene	37.1	10	50	0	74	31	157	26.41	33.7(40)	
1,2,3-Trichlorobenzene	45	10	50	0	90	52	138	25.31	56.1(39)	R58
Xylenes, Total	105	1.3	100	3	102	70	130	101.1	3.4(22)	
Surr: 1,2-Dichloroethane-d4	42.9		50		86	70	130			
Surr: Toluene-d8	53		50		106	70	130			
Surr: 4-Bromofluorobenzene	43.3		50		87	70	130			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

R58 = MS/MSD RPD exceeded the laboratory control limit.

L51 = Analyte recovery was above acceptance limits for the LCS, but was acceptable in the MS/MSD.

M1 = Matrix spike recovery was high, the method control sample recovery was acceptable.

M2 = Matrix spike recovery was low, the method control sample recovery was acceptable.

Per client request, all 8010 analytes were added together and reported out as Total Halogens.

Billing Information :

CHAIN-OF-CUSTODY RECORD

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

CA

WorkOrder : CHHL16101001
Report Due By : 5:00 PM On : 19-Oct-16

Client:
CH2M Hill
1000 Wilshire Boulevard
21st Floor
Los Angeles, CA 90017

Report Attention	Phone Number	EMail Address
Daniel Jablonski	(213) 228-8271 x	daniel.jablonski@ch2m.com
Matthew Mayry	(213) 228-8271 x	matthew.mayry@ch2m.com

EDD Required : Yes
Sampled by : Daniel Mosso

PO :

Client's COC # : none Job : DFSP KMEP Norwalk

Cooler Temp	Samples Received	Date Printed
3 °C	08-Oct-16	10-Oct-16

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests: TPH/E_W	TPH/P_W	VOC_W						Sample Remarks
CHH16101001-01A	GMW-O-21	AQ	10/07/16 07:33	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16101001-02A	MW-SF-13	AQ	10/07/16 08:17	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16101001-03A	GMW-30	AQ	10/07/16 09:00	5	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						One voa received broken
CHH16101001-04A	DUP-7	AQ	10/07/16 00:00	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16101001-05A	EB-6	AQ	10/07/16 09:10	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16101001-06A	TB-4	AQ	10/07/16 07:00	2	0	7			TPHE(0.05) +Vinyl acetate						Reno TB 7/29/16
CHH16101001-07A	MW-SF-15	AQ	10/07/16 13:30	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16101001-08A	MW-SF-4	AQ	10/07/16 13:20	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						

Comments: Security seals intact. Frozen ice. Saturday delivery. Samples kept cold and secure until login Monday. :

	Signature	Print Name	Company	Date/Time
Logged in by:		Meghan C.	Alpha Analytical, Inc.	10/10/16 1145

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.
The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information :

CHAIN-OF-CUSTODY RECORD

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

CA

WorkOrder : CHHL16101001

Report Due By : 5:00 PM On : 19-Oct-16

Client:
CH2M Hill
1000 Wilshire Boulevard
21st Floor
Los Angeles, CA 90017

Report Attention	Phone Number	EMail Address
Daniel Jablonski	(213) 228-8271 x	daniel.jablonski@ch2m.com
Matthew Mayry	(213) 228-8271 x	matthew.mayry@ch2m.com

EDD Required : **Yes**

Sampled by : Daniel Mosso

PO :

Client's COC # : none Job : DFSP KMEP Norwalk

Cooler Temp	Samples Received	Date Printed
3 °C	08-Oct-16	10-Oct-16

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	No. of Bottles Sub	TAT	Requested Tests: TPH/E_W	TPH/P_W	VOC_W						Sample Remarks
CHH16101001-09A	GMW-O-20	AQ	10/07/16 12:57	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16101001-10A	GMW-O-23	AQ	10/07/16 12:17	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16101001-11A	GMW-O-14	AQ	10/07/16 11:27	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16101001-12A	MW-SF-6	AQ	10/07/16 10:37	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16101001-13A	MW-SF-1	AQ	10/07/16 09:53	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH16101001-14A	EXP-1	AQ	10/07/16 11:45	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						

Comments: Security seals intact. Frozen ice. Saturday delivery. Samples kept cold and secure until login Monday. :

	Signature	Print Name	Company	Date/Time
Logged in by:	[signature]	Meghan C.	Alpha Analytical, Inc.	10/10/16 1145

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.
The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

LAB: Alpha Analytical COC 1 of 2

CHAIN OF CUSTODY

CLIENT: Kinder Morgan

SITE: DFSP Norwalk
15306 Norwalk Blvd, Norwalk

Billing Information:
Kinder Morgan
1100 Town and CountryRd.
Orange CA 95112

Kinder Morgan Norwalk
Report to:
Dan Jablonski
CH2MHILL
1000 Wilshire Blvd 21st floor
Los Angeles, CA 90017

CONDUCT ANALYSIS TO DETECT

SAMPLE I.D.	DATE	TIME	MATRIX AQ= Water	CONTAINERS #	Preservation	Type	TPHg, TPHd (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
GMW-O-21	10/7/16	0733	AQ	6	HCl	Voa	X	X							CHH1610~~X~~1001-01			
MW-SF-13	↓	0817	↓	6	HCl	Voa	X	X							CHH1610101-02			
GMW-30		0900		6	HCl	Voa	X	X							↓	03		
Dup-7		—		6	↓	↓	X	X								04		
EB-6		0910		6			X	X								05		
TB-4		0700		2				X								06		
MW-SF-15		1330		6			X	X								07		
MW-SF-4		1320		6			X	X								08		
GMW-O-20		1257		6			X	X								09		
GMW-O-23		1217		6			X	X								10		

SAMPLING COMPLETED: DATE 10/7/16 TIME 1530

SAMPLING PERFORMED BY: Daniel Moss

RESULTS NEEDED NO LATER THAN: Standard

RELEASED BY	TIME	RECEIVED BY	DATE	TIME
[signature]	1530	[signature]	10/7/16	1530
[signature]	1700	[signature]	10/7/16	1700
[signature]	1700	[signature]	10/10/16	1025

SHIPPED VIA | TIME SENT | COOLER #

BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

LAB: Alpha Analytical COC 2 of 2

Billing Information:
Kinder Morgan
1100 Town and CountryRd.
Orange CA 95112

Kinder Morgan Norwalk
Report to:
Dan Jablonski
CH2MHILL
1000 Wilshire Blvd 21st floor
Los Angeles, CA 90017

CHAIN OF CUSTODY

CLIENT: Kinder Morgan

SITE: DFSP Norwalk

15306 Norwalk Blvd, Norwalk

CONDUCT ANALYSIS TO DETECT

SAMPLE I.D.	DATE	TIME	MATRIX AQ= Water	CONTAINERS #	CONTAINERS Preservation	CONTAINERS Type	TPHg, TPHd (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
Gmw-O-14	10/7/16	1127	AQ	6	Hcl	voa	X	X	CHH16101001-11			
Mw-SF-6	↓	1037	↓	↓	↓	↓	↓	↓	↓	12		
Mw-JF-1	↓	0953	↓	↓	↓	↓	↓	↓	↓	13		
Exp-1	↓	1145	↓	↓	↓	↓	↓	↓	↓	14		

SAMPLING COMPLETED — DATE: 1530 TIME: 10/7/16

SAMPLING PERFORMED BY: Daniel Musso

RESULTS NEEDED NO LATER THAN: Standard

RELEASED BY	TIME	RECEIVED BY	DATE	TIME
[signature]	1530	[signature]	10/7/16	1530
[signature]	1700	[signature]	10/7/16	1700
[signature]	1700	[signature]	10/10/16	1025

SHIPPED VIA	TIME SENT	COOLER #

APPENDIX C

SUMMARY OF HISTORICAL GROUNDWATER ELEVATIONS – NOVEMBER 1996 THROUGH OCTOBER 2016

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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-1	10/04/2010	73.17	-----	25.94	-----	47.23
BW-1	04/11/2011	73.17	-----	25.36	-----	47.81
BW-1	10/10/2011	73.17	-----	25.03	-----	48.14
BW-1	04/16/2012	73.17	-----	26.20	-----	46.97
BW-1	10/15/2012	73.17	-----	25.26	-----	47.91
BW-2	10/04/2010	73.57	-----	26.02	-----	47.55
BW-2	04/11/2011	73.57	-----	25.30	-----	48.27
BW-2	10/10/2011	73.57	-----	23.81	-----	49.76
BW-2	04/16/2012	73.57	-----	26.29	-----	47.28
BW-2	10/15/2012	73.57	-----	25.58	-----	47.99
BW-2	04/08/2013	73.57	-----	27.65	-----	45.92
BW-3	10/04/2010	74.16	-----	27.80	-----	46.36
BW-3	04/11/2011	74.16	-----	26.14	-----	48.02
BW-3	10/10/2011	74.16	-----	26.91	-----	47.25
BW-3	04/16/2012	74.16	-----	27.37	-----	46.79
BW-3	10/15/2012	74.16	-----	26.19	-----	47.97
BW-3	04/08/2013	74.16	-----	28.85	-----	45.31
BW-4	10/04/2010	74.61	-----	27.10	-----	47.51
BW-4	04/11/2011	74.61	-----	26.23	-----	48.38
BW-4	10/10/2011	74.61	-----	26.30	-----	48.31
BW-4	04/16/2012	74.61	-----	27.52	-----	47.09
BW-4	10/15/2012	74.61	-----	26.93	-----	47.68
BW-4	04/08/2013	74.61	-----	29.00	-----	45.61
BW-5	10/04/2010	73.59	-----	26.03	-----	47.56
BW-5	04/11/2011	73.59	-----	25.18	-----	48.41
BW-5	10/10/2011	73.59	-----	25.19	-----	48.40
BW-5	04/16/2012	73.59	-----	26.57	-----	47.02
BW-5	10/15/2012	73.59	-----	26.11	-----	47.48
BW-5	04/08/2013	73.59	-----	28.05	-----	45.54
BW-6	10/04/2010	73.48	-----	26.36	-----	47.12
BW-6	04/11/2011	73.48	-----	25.34	-----	48.14
BW-6	10/10/2011	73.48	-----	25.74	-----	47.74
BW-6	04/16/2012	73.48	-----	26.73	-----	46.75
BW-6	10/15/2012	73.48	-----	26.00	-----	47.48
BW-6	04/08/2013	73.48	-----	28.34	-----	45.14
BW-7	10/04/2010	74.65	-----	27.55	-----	47.10
BW-7	04/11/2011	74.65	-----	26.70	-----	47.95
BW-7	10/10/2011	74.65	-----	26.83	-----	47.82
BW-7	04/16/2012	74.65	-----	27.71	-----	46.94
BW-7	10/15/2012	74.65	-----	27.15	-----	47.50
BW-7	04/08/2013	74.65	-----	29.01	-----	45.64

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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-8	10/04/2010	75.08	-----	27.97	-----	47.11
BW-8	04/11/2011	75.08	-----	27.28	-----	47.80
BW-8	10/10/2011	75.08	-----	27.15	-----	47.93
BW-8	04/16/2012	75.08	-----	28.08	-----	47.00
BW-8	10/15/2012	75.08	-----	29.61	-----	45.47
BW-8	04/08/2013	75.08	-----	29.46	-----	45.62
BW-9	10/04/2010	76.19	-----	29.20	-----	46.99
BW-9	04/11/2011	76.19	-----	28.50	-----	47.69
BW-9	10/10/2011	76.19	-----	28.49	-----	47.70
BW-9	04/16/2012	76.19	-----	29.40	-----	46.79
BW-9	10/15/2012	76.19	-----	29.22	-----	46.97
BW-9	04/08/2013	76.19	-----	30.54	-----	45.65
EXP-1	05/28/1996	78.44	-----	48.29	-----	30.15
EXP-1	11/20/1996	78.44	-----	49.10	-----	29.34
EXP-1	07/01/1997	78.44	-----	47.89	-----	30.55
EXP-1	12/31/1997	78.44	-----	47.08	-----	31.36
EXP-1	05/01/1998	78.44	-----	45.16	-----	33.28
EXP-1	05/25/1999	78.44	-----	45.44	-----	33.00
EXP-1	08/09/1999	78.44	-----	47.60	-----	30.84
EXP-1	09/23/1999	78.44	-----	48.53	-----	29.91
EXP-1	10/12/1999	78.44	-----	48.51	-----	29.93
EXP-1	11/15/1999	78.44	-----	48.39	-----	30.05
EXP-1	12/21/1999	78.44	-----	47.69	-----	30.75
EXP-1	01/20/2000	78.44	-----	47.45	-----	30.99
EXP-1	02/28/2000	78.44	-----	46.92	-----	31.52
EXP-1	03/28/2000	78.44	-----	46.65	-----	31.79
EXP-1	04/20/2000	78.44	-----	47.20	-----	31.24
EXP-1	05/15/2000	78.44	-----	47.51	-----	30.93
EXP-1	05/15/2000	78.44	-----	47.55	-----	30.89
EXP-1	06/30/2000	78.44	-----	48.51	-----	29.93
EXP-1	08/28/2000	78.44	-----	49.50	-----	28.94
EXP-1	02/05/2001	78.44	-----	48.47	-----	29.97
EXP-1	05/07/2001	78.44	-----	48.09	-----	30.35
EXP-1	05/07/2001	78.44	-----	48.15	-----	30.29
EXP-1	09/18/2001	78.44	-----	50.22	-----	28.22
EXP-1	11/05/2001	78.44	-----	50.17	-----	28.27
EXP-1	11/13/2001	78.44	-----	49.31	-----	29.13
EXP-1	11/13/2001	78.44	-----	49.32	-----	29.12
EXP-1	01/29/2002	78.44	-----	49.07	-----	29.37
EXP-1	04/08/2002	78.44	-----	48.96	-----	29.48
EXP-1	04/08/2002	78.44	-----	49.20	-----	29.24

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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	07/29/2002	78.44	-----	51.35	-----	27.09
EXP-1	10/21/2002	78.44	-----	51.91	-----	26.53
EXP-1	10/21/2002	78.44	-----	51.94	-----	26.50
EXP-1	01/27/2003	78.44	-----	49.60	-----	28.84
EXP-1	04/07/2003	78.44	-----	50.28	-----	28.16
EXP-1	04/07/2003	78.44	-----	50.30	-----	28.14
EXP-1	07/30/2003	78.44	-----	51.42	-----	27.02
EXP-1	10/06/2003	78.44	-----	51.76	-----	26.68
EXP-1	10/06/2003	78.44	-----	51.77	-----	26.67
EXP-1	01/27/2004	78.44	-----	51.25	-----	27.19
EXP-1	04/19/2004	78.44	-----	51.09	-----	27.35
EXP-1	07/19/2004	78.44	-----	52.91	-----	25.53
EXP-1	11/01/2004	78.44	-----	54.14	-----	24.30
EXP-1	02/01/2005	78.44	-----	52.90	-----	25.54
EXP-1	05/02/2005	78.44	-----	51.77	-----	26.67
EXP-1	05/02/2005	78.44	-----	51.91	-----	26.53
EXP-1	08/01/2005	78.44	-----	52.61	-----	25.83
EXP-1	10/31/2005	78.44	-----	52.59	-----	25.85
EXP-1	02/27/2006	78.44	-----	50.28	-----	28.16
EXP-1	03/06/2006	78.44	-----	50.63	-----	27.81
EXP-1	05/01/2006	78.44	-----	49.30	-----	29.14
EXP-1	05/01/2006	78.44	-----	49.70	-----	28.74
EXP-1	08/26/2006	78.44	-----	50.53	-----	27.91
EXP-1	09/18/2006	78.44	-----	50.56	-----	27.88
EXP-1	12/01/2006	78.44	-----	50.74	-----	27.70
EXP-1	12/04/2006	78.44	-----	50.28	-----	28.16
EXP-1	03/12/2007	78.44	-----	48.91	-----	29.53
EXP-1	03/21/2007	78.44	-----	48.82	-----	29.62
EXP-1	04/27/2007	78.44	-----	49.20	-----	29.24
EXP-1	04/30/2007	78.44	-----	48.85	-----	29.59
EXP-1	08/28/2007	78.44	-----	51.38	-----	27.06
EXP-1	11/12/2007	78.44	-----	52.37	-----	26.07
EXP-1	11/12/2007	78.44	-----	52.27	-----	26.17
EXP-1	02/05/2008	78.44	-----	52.15	-----	26.29
EXP-1	02/19/2008	78.44	-----	51.63	-----	26.81
EXP-1	04/11/2008	78.44	-----	51.51	-----	26.93
EXP-1	04/14/2008	78.44	-----	51.40	-----	27.04
EXP-1	07/24/2008	78.44	-----	52.92	-----	25.52
EXP-1	08/11/2008	78.44	-----	53.21	-----	25.23
EXP-1	10/13/2008	78.44	-----	53.75	-----	24.69
EXP-1	10/14/2008	78.44	-----	53.75	-----	24.69

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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	02/09/2009	78.44	-----	52.56	-----	25.88
EXP-1	04/20/2009	78.44	-----	53.41	-----	25.03
EXP-1	07/16/2009	78.44	-----	55.06	-----	23.38
EXP-1	07/20/2009	78.44	-----	54.83	-----	23.61
EXP-1	10/19/2009	78.44	-----	55.86	-----	22.58
EXP-1	01/11/2010	78.44	-----	55.80	-----	22.64
EXP-1	03/15/2010	78.44	-----	55.01	-----	23.43
EXP-1	04/07/2010	78.44	-----	55.29	-----	23.15
EXP-1	04/12/2010	78.44	-----	55.24	-----	23.20
EXP-1	05/24/2010	78.44	-----	55.38	-----	23.06
EXP-1	05/28/2010	78.44	-----	55.40	-----	23.04
EXP-1	10/04/2010	78.44	-----	56.44	-----	22.00
EXP-1	01/06/2011	78.44	-----	54.99	-----	23.45
EXP-1	01/10/2011	78.44	-----	54.77	-----	23.67
EXP-1	04/07/2011	78.44	-----	53.67	-----	24.77
EXP-1	04/11/2011	78.44	-----	53.98	-----	24.46
EXP-1	07/07/2011	78.44	-----	53.65	-----	24.79
EXP-1	07/11/2011	78.44	-----	53.51	-----	24.93
EXP-1	10/06/2011	78.44	-----	54.13	-----	24.31
EXP-1	10/10/2011	78.44	-----	53.75	-----	24.69
EXP-1	01/09/2012	78.44	-----	52.67	-----	25.77
EXP-1	04/16/2012	78.44	-----	52.29	-----	26.15
EXP-1	07/09/2012	78.44	-----	52.69	-----	25.75
EXP-1	10/15/2012	78.44	-----	53.63	-----	24.81
EXP-1	01/10/2013	78.44	-----	52.78	-----	25.66
EXP-1	01/14/2013	78.44	-----	52.99	-----	25.45
EXP-1	04/03/2013	78.44	-----	52.91	-----	25.53
EXP-1	04/08/2013	78.44	-----	52.51	-----	25.93
EXP-1	04/08/2013	78.44	-----	52.57	-----	25.87
EXP-1	10/01/2013	78.44	-----	55.34	-----	23.10
EXP-1	10/07/2013	78.44	-----	55.41	-----	23.03
EXP-1	04/09/2014	78.44	-----	55.42	-----	23.02
EXP-1	04/14/2014	78.44	-----	55.45	-----	22.99
EXP-1	10/27/2014	78.44	-----	58.29	-----	20.15
EXP-1	10/27/2014	78.44	-----	58.44	-----	20.00
EXP-1	04/20/2015	78.44	-----	57.93	-----	20.51
EXP-1	04/20/2015	78.44	-----	57.81	-----	20.63
EXP-1	10/19/2015	78.44	-----	59.37	-----	19.07
EXP-1	10/19/2015	78.44	-----	59.22	-----	19.22
EXP-1	04/11/2016	78.44	-----	59.50	-----	18.94
EXP-1	04/13/2016	78.44	-----	59.43	-----	19.01

APPENDIX C

HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016

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	10/3/2016	78.44	-----	61.17	-----	17.27
EXP-1	10/3/2016	78.44	-----	61.31	-----	17.13
EXP-2	05/28/1996	79.43	-----	47.58	-----	31.85
EXP-2	11/20/1996	79.43	-----	48.20	-----	31.23
EXP-2	07/01/1997	79.43	-----	47.19	-----	32.24
EXP-2	12/31/1997	79.43	-----	46.33	-----	33.10
EXP-2	05/01/1998	79.43	-----	44.40	-----	35.03
EXP-2	05/04/1999	79.43	-----	44.05	-----	35.38
EXP-2	05/25/1999	79.43	-----	44.85	-----	34.58
EXP-2	07/21/1999	79.43	-----	46.67	-----	32.76
EXP-2	08/09/1999	79.43	-----	47.02	-----	32.41
EXP-2	09/23/1999	79.43	-----	48.90	-----	30.53
EXP-2	10/12/1999	79.43	-----	48.93	-----	30.50
EXP-2	11/15/1999	79.43	-----	47.76	-----	31.67
EXP-2	12/21/1999	79.43	-----	47.03	-----	32.40
EXP-2	01/20/2000	79.43	-----	46.85	-----	32.58
EXP-2	02/28/2000	79.43	-----	46.39	-----	33.04
EXP-2	03/28/2000	79.43	-----	46.15	-----	33.28
EXP-2	04/20/2000	79.43	-----	46.69	-----	32.74
EXP-2	05/15/2000	79.43	-----	47.04	-----	32.39
EXP-2	05/15/2000	79.43	-----	47.05	-----	32.38
EXP-2	06/30/2000	79.43	-----	48.01	-----	31.42
EXP-2	08/28/2000	79.43	-----	48.96	-----	30.47
EXP-2	11/13/2000	79.43	-----	48.71	-----	30.72
EXP-2	11/13/2000	79.43	-----	48.74	-----	30.69
EXP-2	02/05/2001	79.43	-----	47.83	-----	31.60
EXP-2	05/07/2001	79.43	-----	47.58	-----	31.85
EXP-2	05/07/2001	79.43	-----	47.61	-----	31.82
EXP-2	09/18/2001	79.43	-----	49.75	-----	29.68
EXP-2	11/05/2001	79.43	-----	49.60	-----	29.83
EXP-2	01/29/2002	79.43	-----	48.56	-----	30.87
EXP-2	04/08/2002	79.43	-----	48.63	-----	30.80
EXP-2	04/08/2002	79.43	-----	48.72	-----	30.71
EXP-2	07/29/2002	79.43	-----	50.90	-----	28.53
EXP-2	10/21/2002	79.43	-----	51.46	-----	27.97
EXP-2	10/21/2002	79.43	-----	51.51	-----	27.92
EXP-2	01/27/2003	79.43	-----	49.29	-----	30.14
EXP-2	04/07/2003	79.43	-----	49.95	-----	29.48
EXP-2	04/07/2003	79.43	-----	50.05	-----	29.38
EXP-2	07/30/2003	79.43	-----	51.15	-----	28.28
EXP-2	10/06/2003	79.43	-----	51.62	-----	27.81

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	01/27/2004	79.43	-----	51.09	-----	28.34
EXP-2	04/19/2004	79.43	-----	51.08	-----	28.35
EXP-2	04/19/2004	79.43	-----	50.00	-----	29.43
EXP-2	07/19/2004	79.43	-----	52.90	-----	26.53
EXP-2	11/01/2004	79.43	-----	53.98	-----	25.45
EXP-2	02/01/2005	79.43	-----	52.89	-----	26.54
EXP-2	05/02/2005	79.43	-----	51.87	-----	27.56
EXP-2	05/02/2005	79.43	-----	51.75	-----	27.68
EXP-2	08/01/2005	79.43	-----	52.65	-----	26.78
EXP-2	10/31/2005	79.43	-----	52.55	-----	26.88
EXP-2	02/27/2006	79.43	-----	50.30	-----	29.13
EXP-2	05/01/2006	79.43	-----	49.69	-----	29.74
EXP-2	05/01/2006	79.43	-----	49.31	-----	30.12
EXP-2	09/18/2006	79.43	-----	51.53	-----	27.90
EXP-2	12/01/2006	79.43	-----	50.60	-----	28.83
EXP-2	12/04/2006	79.43	-----	50.19	-----	29.24
EXP-2	03/12/2007	79.43	-----	48.92	-----	30.51
EXP-2	04/30/2007	79.43	-----	49.31	-----	30.12
EXP-2	04/30/2007	79.43	-----	48.87	-----	30.56
EXP-2	08/28/2007	79.43	-----	51.31	-----	28.12
EXP-2	11/12/2007	79.43	-----	52.27	-----	27.16
EXP-2	02/19/2008	79.43	-----	51.49	-----	27.94
EXP-2	04/11/2008	79.43	-----	51.46	-----	27.97
EXP-2	04/14/2008	79.43	-----	51.35	-----	28.08
EXP-2	07/24/2008	79.43	-----	53.08	-----	26.35
EXP-2	08/11/2008	79.43	-----	53.28	-----	26.15
EXP-2	10/13/2008	79.43	-----	53.76	-----	25.67
EXP-2	10/14/2008	79.43	-----	53.76	-----	25.67
EXP-2	02/09/2009	79.43	-----	52.81	-----	26.62
EXP-2	04/20/2009	79.43	-----	54.83	-----	24.60
EXP-2	07/16/2009	79.43	-----	54.91	-----	24.52
EXP-2	07/20/2009	79.43	-----	54.91	-----	24.52
EXP-2	10/19/2009	79.43	-----	55.90	-----	23.53
EXP-2	01/11/2010	79.43	-----	55.93	-----	23.50
EXP-2	03/15/2010	79.43	-----	55.22	-----	24.21
EXP-2	04/07/2010	79.43	-----	55.52	-----	23.91
EXP-2	04/12/2010	79.43	-----	55.82	-----	23.61
EXP-2	05/24/2010	79.43	-----	55.66	-----	23.77
EXP-2	05/28/2010	79.43	-----	55.69	-----	23.74
EXP-2	10/04/2010	79.43	-----	56.65	-----	22.78
EXP-2	01/06/2011	79.43	-----	55.48	-----	23.95

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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	01/10/2011	79.43	-----	55.18	-----	24.25
EXP-2	04/06/2011	79.43	-----	54.07	-----	25.36
EXP-2	04/11/2011	79.43	-----	54.44	-----	24.99
EXP-2	07/07/2011	79.43	-----	54.18	-----	25.25
EXP-2	07/11/2011	79.43	-----	53.94	-----	25.49
EXP-2	10/06/2011	79.43	-----	54.26	-----	25.17
EXP-2	10/10/2011	79.43	-----	53.21	-----	26.22
EXP-2	01/09/2012	79.43	-----	52.98	-----	26.45
EXP-2	04/16/2012	79.43	-----	52.63	-----	26.80
EXP-2	07/09/2012	79.43	-----	53.08	-----	26.35
EXP-2	10/15/2012	79.43	-----	53.96	-----	25.47
EXP-2	01/10/2013	79.43	-----	53.22	-----	26.21
EXP-2	01/14/2013	79.43	-----	53.02	-----	26.41
EXP-2	04/02/2013	79.43	-----	53.33	-----	26.10
EXP-2	04/08/2013	79.43	-----	52.97	-----	26.46
EXP-2	10/01/2013	79.43	-----	55.89	-----	23.54
EXP-2	10/07/2013	79.43	-----	55.88	-----	23.55
EXP-2	04/07/2014	79.43	-----	56.07	-----	23.36
EXP-2	04/14/2014	79.43	-----	56.10	-----	23.33
EXP-2	10/27/2014	79.43	-----	58.94	-----	20.49
EXP-2	10/27/2014	79.43	-----	59.11	-----	20.32
EXP-2	04/20/2015	79.43	-----	58.72	-----	20.71
EXP-2	04/20/2015	79.43	-----	58.53	-----	20.90
EXP-2	10/19/2015	79.43	-----	60.23	-----	19.20
EXP-2	10/19/2015	79.43	-----	60.23	-----	19.20
EXP-2	04/11/2016	79.43	-----	60.31	-----	19.12
EXP-2	04/11/2016	79.43	-----	60.25	-----	19.18
EXP-2	10/3/2016	79.43	-----	62.18	-----	17.25
EXP-2	10/3/2016	79.43	-----	61.88	-----	17.55
EXP-3	05/28/1996	77.58	-----	47.40	-----	30.18
EXP-3	11/20/1996	77.58	-----	48.25	-----	29.33
EXP-3	07/01/1997	77.58	-----	47.15	-----	30.43
EXP-3	12/31/1997	77.58	-----	46.21	-----	31.37
EXP-3	05/01/1998	77.58	-----	44.19	-----	33.39
EXP-3	05/04/1999	77.58	-----	43.88	-----	33.70
EXP-3	05/26/1999	77.58	-----	44.72	-----	32.86
EXP-3	08/09/1999	77.58	-----	46.98	-----	30.60
EXP-3	09/23/1999	77.58	-----	47.78	-----	29.80
EXP-3	10/12/1999	77.58	-----	47.76	-----	29.82
EXP-3	11/15/1999	77.58	-----	47.65	-----	29.93
EXP-3	12/21/1999	77.58	-----	46.85	-----	30.73

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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	01/20/2000	77.58	-----	46.57	-----	31.01
EXP-3	02/28/2000	77.58	-----	46.01	-----	31.57
EXP-3	03/28/2000	77.58	-----	45.79	-----	31.79
EXP-3	04/20/2000	77.58	-----	46.35	-----	31.23
EXP-3	05/15/2000	77.58	-----	46.68	-----	30.90
EXP-3	05/15/2000	77.58	-----	46.63	-----	30.95
EXP-3	06/30/2000	77.58	-----	47.75	-----	29.83
EXP-3	08/28/2000	77.58	-----	48.77	-----	28.81
EXP-3	11/13/2000	77.58	-----	48.51	-----	29.07
EXP-3	11/13/2000	77.58	-----	48.41	-----	29.17
EXP-3	02/05/2001	77.58	-----	47.58	-----	30.00
EXP-3	05/07/2001	77.58	-----	47.29	-----	30.29
EXP-3	05/07/2001	77.58	-----	47.26	-----	30.32
EXP-3	09/18/2001	77.58	-----	49.46	-----	28.12
EXP-3	11/05/2001	77.58	-----	49.32	-----	28.26
EXP-3	01/29/2002	77.58	-----	48.19	-----	29.39
EXP-3	04/08/2002	77.58	-----	48.25	-----	29.33
EXP-3	04/08/2002	77.58	-----	48.21	-----	29.37
EXP-3	07/29/2002	77.58	-----	50.59	-----	26.99
EXP-3	10/21/2002	77.58	-----	51.16	-----	26.42
EXP-3	10/21/2002	77.58	-----	51.11	-----	26.47
EXP-3	01/27/2003	77.58	-----	48.62	-----	28.96
EXP-3	04/07/2003	77.58	-----	49.55	-----	28.03
EXP-3	04/07/2003	77.58	-----	49.46	-----	28.12
EXP-3	07/30/2003	77.58	-----	50.59	-----	26.99
EXP-3	10/06/2003	77.58	-----	50.95	-----	26.63
EXP-3	10/06/2003	77.58	-----	51.01	-----	26.57
EXP-3	01/27/2004	77.58	-----	50.35	-----	27.23
EXP-3	04/19/2004	77.58	-----	50.22	-----	27.36
EXP-3	04/19/2004	77.58	-----	50.19	-----	27.39
EXP-3	07/19/2004	77.58	-----	52.19	-----	25.39
EXP-3	11/01/2004	77.58	-----	53.26	-----	24.32
EXP-3	02/01/2005	77.58	-----	51.94	-----	25.64
EXP-3	05/02/2005	77.58	-----	50.90	-----	26.68
EXP-3	05/02/2005	77.58	-----	49.83	-----	27.75
EXP-3	08/01/2005	77.58	-----	51.82	-----	25.76
EXP-3	10/31/2005	77.58	-----	51.71	-----	25.87
EXP-3	02/27/2006	77.58	-----	49.29	-----	28.29
EXP-3	05/01/2006	77.58	-----	48.74	-----	28.84
EXP-3	05/01/2006	77.58	-----	48.31	-----	29.27
EXP-3	09/18/2006	77.58	-----	50.14	-----	27.44

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)
EXP-3	12/01/2006	77.58	-----	49.74	-----	27.84
EXP-3	12/04/2006	77.58	-----	49.41	-----	28.17
EXP-3	03/12/2007	77.58	-----	47.95	-----	29.63
EXP-3	04/30/2007	77.58	-----	48.31	-----	29.27
EXP-3	04/30/2007	77.58	-----	47.86	-----	29.72
EXP-3	08/28/2007	77.58	-----	50.61	-----	26.97
EXP-3	11/12/2007	77.58	-----	51.57	-----	26.01
EXP-3	11/12/2007	77.58	-----	51.56	-----	26.02
EXP-3	02/05/2008	77.58	-----	51.23	-----	26.35
EXP-3	02/19/2008	77.58	-----	50.70	-----	26.88
EXP-3	04/14/2008	77.58	-----	50.63	-----	26.95
EXP-3	04/14/2008	77.58	-----	50.60	-----	26.98
EXP-3	07/24/2008	77.58	-----	52.78	-----	24.80
EXP-3	08/11/2008	77.58	-----	52.45	-----	25.13
EXP-3	10/13/2008	77.58	-----	52.97	-----	24.61
EXP-3	10/14/2008	77.58	-----	52.97	-----	24.61
EXP-3	02/10/2009	77.58	-----	52.16	-----	25.42
EXP-3	04/20/2009	77.58	-----	52.97	-----	24.61
EXP-3	07/16/2009	77.58	-----	54.02	-----	23.56
EXP-3	07/20/2009	77.58	-----	53.93	-----	23.65
EXP-3	10/19/2009	77.58	-----	55.40	-----	22.18
EXP-3	01/11/2010	77.58	-----	54.51	-----	23.07
EXP-3	03/15/2010	77.58	-----	54.10	-----	23.48
EXP-3	04/07/2010	77.58	-----	54.36	-----	23.22
EXP-3	04/12/2010	77.58	-----	54.82	-----	22.76
EXP-3	05/24/2010	77.58	-----	54.54	-----	23.04
EXP-3	05/28/2010	77.58	-----	54.51	-----	23.07
EXP-3	10/04/2010	77.58	-----	55.42	-----	22.16
EXP-3	01/08/2011	77.58	-----	53.91	-----	23.67
EXP-3	01/10/2011	77.58	-----	53.88	-----	23.70
EXP-3	04/07/2011	77.58	-----	52.66	-----	24.92
EXP-3	04/11/2011	77.58	-----	52.92	-----	24.66
EXP-3	07/08/2011	77.58	-----	52.73	-----	24.85
EXP-3	07/11/2011	77.58	-----	52.54	-----	25.04
EXP-3	10/06/2011	77.58	-----	53.23	-----	24.35
EXP-3	10/10/2011	77.58	-----	52.74	-----	24.84
EXP-3	01/09/2012	77.58	-----	51.67	-----	25.91
EXP-3	04/16/2012	77.58	-----	51.34	-----	26.24
EXP-3	07/09/2012	77.58	-----	51.87	-----	25.71
EXP-3	08/29/2012	77.58	-----	52.69	-----	24.89
EXP-3	10/15/2012	77.58	-----	52.80	-----	24.78

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)
EXP-3	01/11/2013	77.58	-----	51.94	-----	25.64
EXP-3	01/14/2013	77.58	-----	51.70	-----	25.88
EXP-3	04/03/2013	77.58	-----	52.01	-----	25.57
EXP-3	04/08/2013	77.58	-----	51.65	-----	25.93
EXP-3	10/02/2013	77.58	-----	54.61	-----	22.97
EXP-3	10/07/2013	77.58	-----	54.62	-----	22.96
EXP-3	04/09/2014	77.58	-----	54.55	-----	23.03
EXP-3	04/14/2014	77.58	-----	54.68	-----	22.90
EXP-3	10/27/2014	77.58	-----	57.55	-----	20.03
EXP-3	10/27/2014	77.58	-----	57.70	-----	19.88
EXP-3	04/20/2015	77.58	-----	57.09	-----	20.49
EXP-3	04/20/2015	77.58	-----	56.91	-----	20.67
EXP-3	10/19/2015	77.58	-----	58.43	-----	19.15
EXP-3	10/20/2015	77.58	-----	58.50	-----	19.08
EXP-3	04/11/2016	77.58	-----	58.80	-----	18.78
EXP-3	04/12/2016	77.58	-----	58.72	-----	18.86
EXP-3	10/3/2016	77.58	-----	60.92	-----	16.66
EXP-3	10/3/2016	77.58	-----	60.52	-----	17.06
EXP-4	02/03/1999	79.81	-----	43.49	-----	36.32
EXP-4	05/04/1999	79.81	-----	43.43	-----	36.38
EXP-4	07/21/1999	79.81	-----	46.03	-----	33.78
EXP-4	08/09/1999	79.81	-----	46.49	-----	33.32
EXP-4	09/23/1999	79.81	-----	47.29	-----	32.52
EXP-4	10/12/1999	79.81	-----	47.30	-----	32.51
EXP-4	11/15/1999	79.81	-----	47.18	-----	32.63
EXP-4	12/21/1999	79.81	-----	46.42	-----	33.39
EXP-4	01/20/2000	79.81	-----	46.29	-----	33.52
EXP-4	02/28/2000	79.81	-----	45.89	-----	33.92
EXP-4	03/28/2000	79.81	-----	45.61	-----	34.20
EXP-4	04/20/2000	79.81	-----	46.12	-----	33.69
EXP-4	05/15/2000	79.81	-----	46.39	-----	33.42
EXP-4	06/30/2000	79.81	-----	47.42	-----	32.39
EXP-4	08/28/2000	79.81	-----	48.35	-----	31.46
EXP-4	11/13/2000	79.81	-----	48.15	-----	31.66
EXP-4	02/05/2001	79.81	-----	47.26	-----	32.55
EXP-4	05/07/2001	79.81	-----	47.01	-----	32.80
EXP-4	09/18/2001	79.81	-----	49.10	-----	30.71
EXP-4	11/05/2001	79.81	-----	48.97	-----	30.84
EXP-4	01/29/2002	79.81	-----	47.97	-----	31.84
EXP-4	04/08/2002	79.81	-----	48.01	-----	31.80
EXP-4	10/21/2002	79.81	-----	51.45	-----	28.36

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	04/07/2003	79.81	-----	49.51	-----	30.30
EXP-4	10/06/2003	79.81	-----	51.14	-----	28.67
EXP-4	01/11/2004	79.81	-----	53.61	-----	26.20
EXP-4	04/19/2004	79.81	-----	50.59	-----	29.22
EXP-4	05/02/2005	79.81	-----	51.43	-----	28.38
EXP-4	10/31/2005	79.81	-----	49.21	-----	30.60
EXP-4	05/01/2006	79.81	-----	49.00	-----	30.81
EXP-4	09/18/2006	79.81	-----	49.73	-----	30.08
EXP-4	12/04/2006	79.81	-----	44.51	-----	35.30
EXP-4	04/30/2007	79.81	-----	48.59	-----	31.22
EXP-4	11/12/2007	79.81	-----	51.35	-----	28.46
EXP-4	04/14/2008	79.81	-----	50.95	-----	28.86
EXP-4	10/13/2008	79.81	-----	53.29	-----	26.52
EXP-4	04/20/2009	79.81	-----	53.54	-----	26.27
EXP-4	07/20/2009	79.81	-----	54.51	-----	25.30
EXP-4	10/19/2009	79.81	-----	55.42	-----	24.39
EXP-4	05/24/2010	79.81	-----	55.10	-----	24.71
EXP-4	05/28/2010	79.81	-----	55.10	-----	24.71
EXP-4	10/04/2010	79.81	-----	56.23	-----	23.58
EXP-4	04/11/2011	79.81	-----	54.10	-----	25.71
EXP-4	10/10/2011	79.81	-----	53.93	-----	25.88
EXP-4	04/16/2012	79.81	-----	52.49	-----	27.32
EXP-4	10/15/2012	79.81	-----	53.74	-----	26.07
EXP-4	04/08/2013	79.81	-----	52.51	-----	27.30
EXP-4	10/07/2013	79.81	-----	55.62	-----	24.19
EXP-4	04/14/2014	79.81	-----	55.92	-----	23.89
EXP-4	10/27/2014	79.81	-----	58.95	-----	20.86
EXP-4	04/20/2015	79.81	-----	58.43	-----	21.38
EXP-4	10/19/2015	79.81	-----	60.00	-----	19.81
EXP-4	04/11/2016	79.81	-----	60.30	-----	19.51
EXP-4	10/3/2016	79.81	-----	62.71	-----	17.10
EXP-5	02/03/1999	72.41	-----	39.50	-----	32.91
EXP-5	05/03/1999	72.41	-----	39.30	-----	33.11
EXP-5	07/21/1999	72.41	-----	42.10	-----	30.31
EXP-5	08/09/1999	72.41	-----	42.60	-----	29.81
EXP-5	09/23/1999	72.41	-----	43.41	-----	29.00
EXP-5	10/12/1999	72.41	-----	43.39	-----	29.02
EXP-5	11/15/1999	72.41	-----	43.21	-----	29.20
EXP-5	12/21/1999	72.41	-----	42.30	-----	30.11
EXP-5	01/20/2000	72.41	-----	42.07	-----	30.34
EXP-5	02/28/2000	72.41	-----	41.45	-----	30.96

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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	03/28/2000	72.41	-----	41.20	-----	31.21
EXP-5	04/20/2000	72.41	-----	41.78	-----	30.63
EXP-5	05/15/2000	72.41	-----	42.16	-----	30.25
EXP-5	06/30/2000	72.41	-----	43.26	-----	29.15
EXP-5	08/28/2000	72.41	-----	44.32	-----	28.09
EXP-5	11/13/2000	72.41	-----	44.02	-----	28.39
EXP-5	02/05/2001	72.41	-----	42.95	-----	29.46
EXP-5	05/07/2001	72.41	-----	43.46	-----	28.95
EXP-5	09/18/2001	72.41	-----	45.01	-----	27.40
EXP-5	11/05/2001	72.41	-----	44.81	-----	27.60
EXP-5	01/29/2002	72.41	-----	43.55	-----	28.86
EXP-5	04/08/2002	72.41	-----	43.72	-----	28.69
EXP-5	07/29/2002	72.41	-----	46.12	-----	26.29
EXP-5	10/21/2002	72.41	-----	46.61	-----	25.80
EXP-5	01/27/2003	72.41	-----	43.89	-----	28.52
EXP-5	04/07/2003	72.41	-----	44.70	-----	27.71
EXP-5	07/30/2003	72.41	-----	45.89	-----	26.52
EXP-5	10/06/2003	72.41	-----	46.35	-----	26.06
EXP-5	01/11/2004	72.41	-----	48.53	-----	23.88
EXP-5	01/27/2004	72.41	-----	45.57	-----	26.84
EXP-5	04/19/2004	72.41	-----	45.41	-----	27.00
EXP-5	07/19/2004	72.41	-----	47.55	-----	24.86
EXP-5	02/01/2005	72.41	-----	47.07	-----	25.34
EXP-5	05/02/2005	72.41	-----	45.81	-----	26.60
EXP-5	08/01/2005	72.41	-----	45.37	-----	27.04
EXP-5	10/31/2005	72.41	-----	46.83	-----	25.58
EXP-5	02/27/2006	72.41	-----	47.21	-----	25.20
EXP-5	05/01/2006	72.41	-----	43.34	-----	29.07
EXP-5	09/18/2006	72.41	-----	44.88	-----	27.53
EXP-5	12/04/2006	72.41	-----	49.73	-----	22.68
EXP-5	03/12/2007	72.41	-----	43.02	-----	29.39
EXP-5	04/30/2007	72.41	-----	43.02	-----	29.39
EXP-5	08/28/2007	72.41	-----	45.86	-----	26.55
EXP-5	11/12/2007	72.41	-----	46.37	-----	26.04
EXP-5	02/19/2008	72.41	-----	45.90	-----	26.51
EXP-5	04/14/2008	72.41	-----	45.73	-----	26.68
EXP-5	08/11/2008	72.41	-----	47.68	-----	24.73
EXP-5	10/13/2008	72.41	-----	48.19	-----	24.22
EXP-5	04/20/2009	72.41	-----	47.86	-----	24.55
EXP-5	07/20/2009	72.41	-----	49.10	-----	23.31
EXP-5	10/19/2009	72.41	-----	50.61	-----	21.80

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)
EXP-5	03/15/2010	72.41	-----	49.02	-----	23.39
EXP-5	05/24/2010	72.41	-----	49.54	-----	22.87
EXP-5	05/28/2010	72.41	-----	49.49	-----	22.92
EXP-5	10/04/2010	72.41	-----	50.35	-----	22.06
EXP-5	01/10/2011	72.41	-----	48.69	-----	23.72
EXP-5	04/11/2011	72.41	-----	49.82	-----	22.59
EXP-5	07/11/2011	72.41	-----	47.42	-----	24.99
EXP-5	10/10/2011	72.41	-----	49.58	-----	22.83
EXP-5	01/09/2012	72.41	-----	46.53	-----	25.88
EXP-5	04/16/2012	72.41	-----	46.21	-----	26.20
EXP-5	07/09/2012	72.41	-----	46.88	-----	25.53
EXP-5	10/15/2012	72.41	-----	47.78	-----	24.63
EXP-5	01/14/2013	72.41	-----	46.64	-----	25.77
EXP-5	04/08/2013	72.41	-----	46.58	-----	25.83
EXP-5	10/07/2013	72.41	-----	50.13	-----	22.28
EXP-5	04/14/2014	72.41	-----	49.42	-----	22.99
EXP-5	10/27/2014	72.41	-----	52.58	-----	19.83
EXP-5	04/20/2015	72.41	-----	51.71	-----	20.70
EXP-5	10/19/2015	72.41	-----	53.27	-----	19.14
EXP-5	04/11/2016	72.41	-----	53.40	-----	19.01
EXP-5	10/3/2016	72.41	-----	55.40	-----	17.01
GMW-1	05/28/1996	74.77	-----	26.93	-----	47.84
GMW-1	11/20/1996	74.77	-----	27.73	-----	47.04
GMW-1	07/01/1997	74.77	-----	27.97	-----	46.80
GMW-1	12/31/1997	74.77	-----	27.85	-----	46.92
GMW-1	05/01/1998	74.77	-----	24.77	-----	50.00
GMW-1	05/04/1999	74.77	-----	25.75	-----	49.02
GMW-1	08/09/1999	74.77	-----	26.24	-----	48.53
GMW-1	11/15/1999	74.77	-----	26.39	-----	48.38
GMW-1	05/15/2000	74.77	-----	26.26	-----	48.51
GMW-1	11/13/2000	74.77	-----	26.95	-----	47.82
GMW-1	05/07/2001	74.77	-----	25.50	-----	49.27
GMW-1	11/05/2001	74.77	-----	25.53	-----	49.24
GMW-1	04/08/2002	74.77	-----	26.10	-----	48.67
GMW-1	10/21/2002	74.77	-----	26.82	-----	47.95
GMW-1	04/07/2003	74.77	-----	26.17	-----	48.60
GMW-1	07/30/2003	74.77	-----	26.11	-----	48.66
GMW-1	10/06/2003	74.77	-----	26.22	-----	48.55
GMW-1	01/11/2004	74.77	-----	27.59	-----	47.18
GMW-1	01/27/2004	74.77	-----	26.57	-----	48.20
GMW-1	04/19/2004	74.77	-----	27.25	-----	47.52

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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-1	07/19/2004	74.77	-----	26.84	-----	47.93
GMW-1	02/01/2005	74.77	-----	25.79	-----	48.98
GMW-1	05/02/2005	74.77	-----	20.84	-----	53.93
GMW-1	08/01/2005	74.77	-----	21.92	-----	52.85
GMW-1	10/31/2005	74.77	-----	26.96	-----	47.81
GMW-1	02/27/2006	74.77	-----	23.15	-----	51.62
GMW-1	05/01/2006	74.77	-----	23.30	-----	51.47
GMW-1	09/18/2006	74.77	-----	23.70	-----	51.07
GMW-1	12/04/2006	74.77	-----	24.06	-----	50.71
GMW-1	03/12/2007	74.77	-----	24.18	-----	50.59
GMW-1	04/30/2007	74.77	-----	23.21	-----	51.56
GMW-1	08/28/2007	74.77	-----	19.70	-----	55.07
GMW-1	11/12/2007	74.77	-----	23.70	-----	51.07
GMW-1	02/19/2008	74.77	-----	25.20	-----	49.57
GMW-1	04/14/2008	74.77	-----	25.12	-----	49.65
GMW-1	10/13/2008	74.77	-----	25.84	-----	48.93
GMW-1	04/20/2009	74.77	-----	26.18	-----	48.59
GMW-1	10/19/2009	74.77	-----	27.52	-----	47.25
GMW-1	05/24/2010	74.77	-----	26.95	-----	47.82
GMW-1	05/28/2010	74.77	-----	26.91	-----	47.86
GMW-1	10/04/2010	74.77	-----	26.95	-----	47.82
GMW-1	01/10/2011	74.77	-----	28.22	-----	46.55
GMW-1	04/11/2011	74.77	-----	25.98	-----	48.79
GMW-1	10/10/2011	74.77	-----	26.15	-----	48.62
GMW-1	01/09/2012	74.77	-----	26.68	-----	48.09
GMW-1	04/16/2012	74.77	-----	28.03	-----	46.74
GMW-1	07/09/2012	74.77	-----	29.14	-----	45.63
GMW-1	10/15/2012	74.77	-----	29.49	-----	45.28
GMW-1	01/14/2013	74.77	-----	29.54	-----	45.23
GMW-1	04/08/2013	74.77	-----	29.34	-----	45.43
GMW-1	10/07/2013	74.77	-----	30.25	-----	44.52
GMW-1	04/14/2014	74.77	-----	30.42	-----	44.35
GMW-1	10/27/2014	74.77	-----	30.78	-----	43.99
GMW-1	04/20/2015	74.77	-----	31.19	-----	43.58
GMW-1	10/19/2015	74.77	-----	31.89	-----	42.88
GMW-1	04/11/2016	74.77	-----	34.00	-----	40.77
GMW-1	10/3/2016	74.77	-----	35.80	-----	38.97
GMW-2	05/28/1996	73.57	-----	26.10	-----	47.47
GMW-2	11/20/1996	73.57	-----	26.77	-----	46.80
GMW-2	07/01/1997	73.57	-----	27.63	-----	45.94
GMW-2	12/31/1997	73.57	-----	26.94	-----	46.63

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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-2	05/01/1998	73.57	-----	24.02	-----	49.55
GMW-2	05/04/1999	73.57	-----	25.38	-----	48.19
GMW-2	08/09/1999	73.57	-----	25.68	-----	47.89
GMW-2	11/15/1999	73.57	-----	25.49	-----	48.08
GMW-2	05/15/2000	73.57	-----	25.63	-----	47.94
GMW-2	11/13/2000	73.57	-----	26.42	-----	47.15
GMW-2	05/07/2001	73.57	-----	25.65	-----	47.92
GMW-2	11/05/2001	73.57	-----	24.61	-----	48.96
GMW-2	04/08/2002	73.57	-----	25.36	-----	48.21
GMW-2	10/21/2002	73.57	-----	25.91	-----	47.66
GMW-2	04/07/2003	73.57	-----	25.09	-----	48.48
GMW-2	10/06/2003	73.57	-----	25.47	-----	48.10
GMW-2	01/11/2004	73.57	-----	26.76	-----	46.81
GMW-2	04/19/2004	73.57	-----	26.63	-----	46.94
GMW-2	05/02/2005	73.57	-----	21.51	-----	52.06
GMW-2	10/31/2005	73.57	-----	26.42	-----	47.15
GMW-2	05/09/2006	73.57	-----	22.53	-----	51.04
GMW-2	12/04/2006	73.57	-----	23.40	-----	50.17
GMW-2	04/30/2007	73.57	-----	23.61	-----	49.96
GMW-2	11/12/2007	73.57	-----	23.94	-----	49.63
GMW-2	04/14/2008	73.57	-----	24.24	-----	49.33
GMW-2	10/13/2008	73.57	-----	24.95	-----	48.62
GMW-2	04/20/2009	73.57	-----	25.00	-----	48.57
GMW-2	10/19/2009	73.57	-----	26.22	-----	47.35
GMW-2	05/24/2010	73.57	-----	25.80	-----	47.77
GMW-2	05/28/2010	73.57	-----	25.80	-----	47.77
GMW-2	10/04/2010	73.57	-----	25.95	-----	47.62
GMW-2	10/10/2011	73.57	-----	25.17	-----	48.40
GMW-3	11/20/1996	75.10	-----	27.76	-----	47.34
GMW-3	07/01/1997	75.10	-----	27.02	-----	48.08
GMW-3	12/31/1997	75.10	-----	27.66	-----	47.44
GMW-3	05/01/1998	75.10	-----	34.12	-----	40.98
GMW-3	05/04/1999	75.10	-----	25.69	-----	49.41
GMW-3	08/09/1999	75.10	-----	26.15	-----	48.95
GMW-3	11/15/1999	75.10	-----	26.54	-----	48.56
GMW-3	05/15/2000	75.10	-----	26.29	-----	48.81
GMW-3	11/13/2000	75.10	-----	26.97	-----	48.13
GMW-3	05/07/2001	75.10	-----	25.10	-----	50.00
GMW-3	08/07/2001	75.10	-----	28.61	-----	46.49
GMW-3	11/05/2001	75.10	-----	25.63	-----	49.47
GMW-3	04/08/2002	75.10	-----	26.26	-----	48.84

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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	10/21/2002	75.10	-----	27.05	-----	48.05
GMW-3	01/27/2003	75.10	-----	26.74	-----	48.36
GMW-3	04/07/2003	75.10	-----	26.26	-----	48.84
GMW-3	07/31/2003	75.10	-----	25.96	-----	49.14
GMW-3	10/06/2003	75.10	-----	26.23	-----	48.87
GMW-3	01/11/2004	75.10	-----	27.56	-----	47.54
GMW-3	01/27/2004	75.10	-----	26.68	-----	48.42
GMW-3	04/19/2004	75.10	-----	26.93	-----	48.17
GMW-3	07/19/2004	75.10	-----	26.92	-----	48.18
GMW-3	05/02/2005	75.10	-----	21.53	-----	53.57
GMW-3	10/31/2005	75.10	26.11	26.13	0.02	NC
GMW-3	02/27/2006	75.10	-----	23.73	-----	51.37
GMW-3	05/01/2006	75.10	-----	23.78	-----	51.32
GMW-3	12/04/2006	75.10	-----	24.73	-----	50.37
GMW-3	04/30/2007	75.10	-----	24.99	-----	50.11
GMW-3	11/12/2007	75.10	-----	25.00	-----	50.10
GMW-3	04/14/2008	75.10	-----	25.52	-----	49.58
GMW-3	04/14/2008	75.10	-----	25.40	-----	49.70
GMW-3	10/13/2008	75.10	-----	26.35	-----	48.75
GMW-3	04/20/2009	75.10	-----	26.26	-----	48.84
GMW-3	10/19/2009	75.10	-----	27.81	-----	47.29
GMW-3	05/24/2010	75.10	-----	27.18	-----	47.92
GMW-3	05/28/2010	75.10	-----	27.11	-----	47.99
GMW-3	10/04/2010	75.10	-----	27.37	-----	47.73
GMW-3	04/11/2011	75.10	-----	26.17	-----	48.93
GMW-3	10/10/2011	75.10	-----	26.68	-----	48.42
GMW-3	04/16/2012	75.10	-----	27.93	-----	47.17
GMW-3	06/14/2013	75.10	-----	29.98	-----	45.12
GMW-3	04/14/2014	75.10	-----	30.55	-----	44.55
GMW-3	10/27/2014	75.10	-----	30.90	-----	44.20
GMW-3	04/20/2015	75.10	-----	31.40	-----	43.70
GMW-3	10/19/2015	75.10	-----	32.12	-----	42.98
GMW-4	05/28/1996	75.45	27.34	28.02	0.68	NC
GMW-4	11/20/1996	75.45	28.25	28.32	0.07	NC
GMW-4	07/01/1997	75.45	-----	27.76	-----	47.69
GMW-4	12/31/1997	75.45	-----	27.25	-----	48.20
GMW-4	05/01/1998	75.45	-----	24.69	-----	50.76
GMW-4	05/04/1999	75.45	26.15	26.23	0.08	NC
GMW-4	08/09/1999	75.45	26.65	26.70	0.05	NC
GMW-4	11/15/1999	75.45	-----	27.04	-----	48.41
GMW-4	05/15/2000	75.45	-----	27.42	-----	48.03

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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	11/13/2000	75.45	27.40	27.46	0.06	NC
GMW-4	05/07/2001	75.45	-----	25.72	-----	49.73
GMW-4	09/18/2001	75.45	25.89	25.92	0.03	NC
GMW-4	11/05/2001	75.45	26.01	26.02	0.01	NC
GMW-4	04/08/2002	75.45	26.70	26.74	0.04	NC
GMW-4	10/21/2002	75.45	27.56	27.59	0.03	NC
GMW-4	04/07/2003	75.45	-----	26.84	-----	48.61
GMW-4	04/22/2003	75.45	-----	26.70	-----	48.75
GMW-4	10/06/2003	75.45	26.68	26.70	0.02	NC
GMW-4	04/19/2004	75.45	26.15	26.19	0.04	NC
GMW-4	05/02/2005	75.45	22.30	22.31	0.01	NC
GMW-4	10/31/2005	75.45	18.10	23.84	5.74	NC
GMW-4	05/01/2006	75.45	23.98	24.08	0.10	NC
GMW-4	12/04/2006	75.45	25.08	25.12	0.04	NC
GMW-4	04/30/2007	75.45	-----	25.31	-----	50.14
GMW-4	11/12/2007	75.45	25.64	25.65	0.01	NC
GMW-4	04/14/2008	75.45	-----	25.99	-----	49.46
GMW-4	04/14/2008	75.45	-----	26.00	-----	49.45
GMW-4	11/21/2008	75.45	-----	27.00	-----	48.45
GMW-4	04/20/2009	75.45	-----	26.76	-----	48.69
GMW-4	10/19/2009	75.45	27.81	27.86	0.05	NC
GMW-4	05/24/2010	75.45	-----	27.55	-----	47.90
GMW-4	05/28/2010	75.45	-----	27.48	-----	47.97
GMW-4	10/04/2010	75.45	27.72	27.76	0.04	NC
GMW-4	04/11/2011	75.45	-----	26.59	-----	48.86
GMW-4	10/10/2011	75.45	-----	27.11	-----	48.34
GMW-4	04/16/2012	75.45	28.58	28.68	0.10	NC
GMW-4	04/08/2013	75.45	29.95	30.08	0.13	NC
GMW-4	10/07/2013	75.45	30.33	30.43	0.10	NC
GMW-4	04/14/2014	75.45	30.47	31.06	0.59	NC
GMW-4	10/27/2014	75.45	31.32	31.34	0.02	NC
GMW-4	Well decommissioned in December 2014 prior to remedial excavation					
GMW-5	05/28/1996	77.61	-----	30.52	-----	47.09
GMW-5	11/20/1996	77.61	-----	31.25	-----	46.36
GMW-5	07/01/1997	77.61	-----	30.95	-----	46.66
GMW-5	12/31/1997	77.61	-----	31.16	-----	46.45
GMW-5	05/01/1998	77.61	-----	28.20	-----	49.41
GMW-5	05/25/1999	77.61	-----	29.01	-----	48.60
GMW-5	05/15/2000	77.61	-----	29.91	-----	47.70
GMW-5	11/13/2000	77.61	-----	29.23	-----	48.38
GMW-5	05/07/2001	77.61	-----	28.82	-----	48.79

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GMW-5	04/08/2002	77.61	-----	29.95	-----	47.66
GMW-5	10/21/2002	77.61	-----	30.11	-----	47.50
GMW-5	04/07/2003	77.61	-----	29.68	-----	47.93
GMW-5	10/06/2003	77.61	-----	29.55	-----	48.06
GMW-5	04/19/2004	77.61	-----	30.53	-----	47.08
GMW-5	05/02/2005	77.61	-----	25.73	-----	51.88
GMW-5	03/06/2006	77.61	-----	27.02	-----	50.59
GMW-5	05/01/2006	77.61	-----	27.32	-----	50.29
GMW-5	08/26/2006	77.61	-----	27.67	-----	49.94
GMW-5	12/01/2006	77.61	-----	28.03	-----	49.58
GMW-5	03/21/2007	77.61	-----	27.91	-----	49.70
GMW-5	04/27/2007	77.61	-----	28.50	-----	49.11
GMW-5	08/28/2007	77.61	-----	28.19	-----	49.42
GMW-5	11/12/2007	77.61	-----	28.98	-----	48.63
GMW-5	02/05/2008	77.61	-----	28.93	-----	48.68
GMW-5	04/11/2008	77.61	-----	28.86	-----	48.75
GMW-5	07/24/2008	77.61	-----	29.41	-----	48.20
GMW-5	10/13/2008	77.61	-----	29.97	-----	47.64
GMW-5	02/09/2009	77.61	-----	29.88	-----	47.73
GMW-5	07/16/2009	77.61	-----	29.93	-----	47.68
GMW-5	04/07/2010	77.61	-----	30.35	-----	47.26
GMW-5	10/01/2010	77.61	-----	30.59	-----	47.02
GMW-5	01/06/2011	77.61	-----	30.70	-----	46.91
GMW-5	04/08/2011	77.61	-----	29.52	-----	48.09
GMW-5	07/07/2011	77.61	-----	29.76	-----	47.85
GMW-5	10/06/2011	77.61	-----	30.16	-----	47.45
GMW-5	04/12/2012	77.61	-----	31.33	-----	46.28
GMW-5	01/10/2013	77.61	-----	32.38	-----	45.23
GMW-5	04/02/2013	77.61	-----	32.34	-----	45.27
GMW-5	10/01/2013	77.61	-----	33.08	-----	44.53
GMW-5	04/07/2014	77.61	-----	33.76	-----	43.85
GMW-5	04/14/2014	77.61	-----	33.62	-----	43.99
GMW-5	10/27/2014	77.61	-----	34.12	-----	43.49
GMW-5	04/20/2015	77.61	-----	34.46	-----	43.15
GMW-6	11/20/1996	77.31	-----	30.76	-----	46.55
GMW-6	07/01/1997	77.31	-----	30.12	-----	47.19
GMW-6	12/31/1997	77.31	-----	30.52	-----	46.79
GMW-6	05/01/1998	77.31	-----	27.48	-----	49.83
GMW-6	05/25/1999	77.31	-----	28.44	-----	48.87
GMW-6	05/15/2000	77.31	-----	29.34	-----	47.97
GMW-6	11/13/2000	77.31	-----	28.67	-----	48.64

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-6	05/07/2001	77.31	-----	28.05	-----	49.26
GMW-6	04/08/2002	77.31	-----	29.35	-----	47.96
GMW-6	10/21/2002	77.31	-----	29.90	-----	47.41
GMW-6	04/07/2003	77.31	-----	29.20	-----	48.11
GMW-6	10/06/2003	77.31	-----	29.04	-----	48.27
GMW-6	04/19/2004	77.31	-----	29.97	-----	47.34
GMW-6	11/01/2004	77.31	-----	29.90	-----	47.41
GMW-6	05/02/2005	77.31	-----	24.97	-----	52.34
GMW-6	03/06/2006	77.31	-----	26.54	-----	50.77
GMW-6	05/01/2006	77.31	-----	26.75	-----	50.56
GMW-6	08/26/2006	77.31	-----	27.12	-----	50.19
GMW-6	12/01/2006	77.31	-----	27.52	-----	49.79
GMW-6	03/21/2007	77.31	-----	28.06	-----	49.25
GMW-6	04/27/2007	77.31	-----	28.02	-----	49.29
GMW-6	08/28/2007	77.31	-----	28.51	-----	48.80
GMW-6	11/12/2007	77.31	-----	28.48	-----	48.83
GMW-6	02/05/2008	77.31	-----	29.32	-----	47.99
GMW-6	04/11/2008	77.31	-----	28.34	-----	48.97
GMW-6	07/24/2008	77.31	-----	28.81	-----	48.50
GMW-6	10/13/2008	77.31	-----	29.48	-----	47.83
GMW-6	02/09/2009	77.31	-----	29.62	-----	47.69
GMW-6	04/20/2009	77.31	-----	29.21	-----	48.10
GMW-6	07/16/2009	77.31	-----	29.51	-----	47.80
GMW-6	10/19/2009	77.31	-----	29.94	-----	47.37
GMW-6	04/07/2010	77.31	-----	29.74	-----	47.57
GMW-6	04/12/2010	77.31	-----	29.42	-----	47.89
GMW-6	01/06/2011	77.31	-----	30.23	-----	47.08
GMW-6	02/24/2011	77.31	-----	29.29	-----	48.02
GMW-6	04/08/2011	77.31	-----	28.86	-----	48.45
GMW-6	07/07/2011	77.31	-----	29.16	-----	48.15
GMW-6	10/06/2011	77.31	-----	29.62	-----	47.69
GMW-6	04/12/2012	77.31	-----	30.86	-----	46.45
GMW-6	04/19/2012	77.31	-----	30.57	-----	46.74
GMW-6	01/10/2013	77.31	-----	31.96	-----	45.35
GMW-6	04/02/2013	77.31	-----	31.91	-----	45.40
GMW-6	04/08/2013	77.31	-----	31.91	-----	45.40
GMW-6	10/01/2013	77.31	-----	32.66	-----	44.65
GMW-6	04/07/2014	77.31	-----	33.33	-----	43.98
GMW-6	04/14/2014	77.31	-----	33.18	-----	44.13
GMW-6	10/27/2014	77.31	-----	33.65	-----	43.66
GMW-6	04/20/2015	77.31	-----	33.95	-----	43.36

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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-6	10/19/2015	77.31	-----	34.72	-----	42.59
GMW-6	04/12/2016	77.31	-----	35.25	-----	42.06
GMW-6	10/3/2016	77.31	-----	35.63	-----	41.68
GMW-7	05/28/1996	75.84	27.21	32.89	5.68	NC
GMW-7	07/01/1997	75.84	28.30	31.57	3.27	NC
GMW-7	12/31/1997	75.84	28.30	32.10	3.80	NC
GMW-7	05/01/1998	75.84	20.80	25.90	5.10	NC
GMW-7	05/25/1999	75.84	26.18	30.37	4.19	NC
GMW-7	05/15/2000	75.84	-----	30.13	-----	45.71
GMW-7	11/13/2000	75.84	-----	29.17	-----	46.67
GMW-7	05/07/2001	75.84	26.45	27.40	0.95	NC
GMW-7	04/08/2002	75.84	-----	28.77	-----	47.07
GMW-7	09/19/2002	75.84	-----	28.73	-----	47.11
GMW-7	10/21/2002	75.84	-----	28.05	-----	47.79
GMW-7	04/07/2003	75.84	27.77	28.15	0.38	NC
GMW-7	10/06/2003	75.84	27.60	27.78	0.18	NC
GMW-7	04/19/2004	75.84	29.05	29.17	0.12	NC
GMW-7	11/01/2004	75.84	27.76	28.01	0.25	NC
GMW-7	02/28/2005	75.84	-----	24.65	-----	51.19
GMW-7	05/02/2005	75.84	-----	23.90	-----	51.94
GMW-7	03/06/2006	75.84	-----	25.40	-----	50.44
GMW-7	05/01/2006	75.84	-----	25.30	-----	50.54
GMW-7	08/26/2006	75.84	-----	25.66	-----	50.18
GMW-7	12/01/2006	75.84	-----	25.98	-----	49.86
GMW-7	03/21/2007	75.84	-----	26.58	-----	49.26
GMW-7	04/30/2007	75.84	-----	26.49	-----	49.35
GMW-7	08/28/2007	75.84	-----	26.92	-----	48.92
GMW-7	11/12/2007	75.84	-----	27.08	-----	48.76
GMW-7	02/05/2008	75.84	-----	27.61	-----	48.23
GMW-7	04/14/2008	75.84	-----	26.70	-----	49.14
GMW-7	10/14/2008	75.84	27.76	27.79	0.03	NC
GMW-7	02/10/2009	75.84	-----	26.23	-----	49.61
GMW-7	07/17/2009	75.84	-----	27.65	-----	48.19
GMW-7	04/08/2010	75.84	-----	28.90	-----	46.94
GMW-7	10/01/2010	75.84	-----	28.54	-----	47.30
GMW-7	01/08/2011	75.84	-----	28.62	-----	47.22
GMW-7	04/12/2012	75.84	-----	29.28	-----	46.56
GMW-7	10/02/2013	75.84	31.28	31.41	0.13	NC
GMW-7	04/07/2014	75.84	32.01	32.05	0.04	NC
GMW-7	04/16/2014	75.84	31.88	31.92	0.04	NC
GMW-7	10/27/2014	75.84	32.20	32.22	0.02	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-7	04/20/2015	75.84	----	32.59	----	43.25
GMW-7	04/11/2016	75.84	----	33.99	----	41.85
GMW-7	10/3/2016	75.84	-----	34.36	-----	41.48
GMW-8	05/28/1996	73.20	-----	26.42	-----	46.78
GMW-8	11/20/1996	73.20	-----	26.72	-----	46.48
GMW-8	07/01/1997	73.20	-----	28.07	-----	45.13
GMW-8	12/31/1997	73.20	-----	26.85	-----	46.35
GMW-8	05/01/1998	73.20	-----	24.24	-----	48.96
GMW-8	05/04/1999	73.20	-----	25.51	-----	47.69
GMW-8	11/15/1999	73.20	-----	25.66	-----	47.54
GMW-8	05/15/2000	73.20	-----	26.03	-----	47.17
GMW-8	11/13/2000	73.20	-----	26.45	-----	46.75
GMW-8	05/07/2001	73.20	-----	24.49	-----	48.71
GMW-8	11/05/2001	73.20	-----	24.38	-----	48.82
GMW-8	04/08/2002	73.20	-----	25.49	-----	47.71
GMW-8	10/21/2002	73.20	-----	26.43	-----	46.77
GMW-8	04/07/2003	73.20	-----	24.93	-----	48.27
GMW-8	10/06/2003	73.20	-----	25.72	-----	47.48
GMW-8	01/11/2004	73.20	-----	26.95	-----	46.25
GMW-8	04/19/2004	73.20	-----	27.00	-----	46.20
GMW-8	05/02/2005	73.20	-----	21.74	-----	51.46
GMW-8	10/31/2005	73.20	-----	27.13	-----	46.07
GMW-8	05/01/2006	73.20	-----	22.59	-----	50.61
GMW-8	12/04/2006	73.20	-----	23.34	-----	49.86
GMW-8	04/30/2007	73.20	-----	23.46	-----	49.74
GMW-8	11/12/2007	73.20	-----	23.83	-----	49.37
GMW-8	04/14/2008	73.20	-----	24.29	-----	48.91
GMW-8	10/13/2008	73.20	-----	24.43	-----	48.77
GMW-8	04/20/2009	73.20	-----	24.88	-----	48.32
GMW-8	10/19/2009	73.20	-----	25.69	-----	47.51
GMW-8	05/24/2010	73.20	-----	25.98	-----	47.22
GMW-8	05/28/2010	73.20	-----	25.87	-----	47.33
GMW-8	10/04/2010	73.20	-----	25.80	-----	47.40
GMW-8	06/14/2013	73.20	-----	29.02	-----	44.18
GMW-8	04/14/2014	73.20	-----	29.60	-----	43.60
GMW-8	10/27/2014	73.20	-----	29.96	-----	43.24
GMW-8	04/20/2015	73.20	-----	30.43	-----	42.77
GMW-8	10/19/2015	73.20	-----	31.13	-----	42.07
GMW-8	04/11/2016	73.20	-----	32.20	-----	41.00
GMW-8	10/3/2016	73.20	-----	33.47	-----	39.73
GMW-9	08/07/2001	74.44	27.23	27.74	0.51	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-9	10/21/2002	74.44	28.95	28.97	0.02	NC
GMW-9	04/07/2003	74.44	29.56	29.59	0.03	NC
GMW-9	10/06/2003	74.44	28.14	28.30	0.16	NC
GMW-9	04/19/2004	74.44	-----	28.71	-----	45.73
GMW-9	05/02/2005	74.44	-----	24.72	-----	49.72
GMW-9	10/31/2005	74.44	25.31	25.56	0.25	NC
GMW-9	05/01/2006	74.44	25.65	25.86	0.21	NC
GMW-9	12/04/2006	74.44	27.79	27.88	0.09	NC
GMW-9	04/30/2007	74.44	-----	26.71	-----	47.73
GMW-9	11/12/2007	74.44	27.04	27.32	0.28	NC
GMW-9	08/08/2008	74.44	27.96	28.01	0.05	NC
GMW-9	10/16/2008	74.77	28.35	28.36	0.01	NC
GMW-9	04/21/2009	74.44	-----	28.16	-----	46.28
GMW-9	05/24/2010	74.44	-----	30.47	-----	43.97
GMW-9	05/28/2010	74.44	-----	30.35	-----	44.09
GMW-9	10/04/2010	74.44	-----	30.30	-----	44.14
GMW-9	01/10/2011	74.44	-----	32.02	-----	42.42
GMW-9	04/11/2011	74.44	-----	25.41	-----	49.03
GMW-9	10/10/2011	74.44	-----	28.91	-----	45.53
GMW-9	04/16/2012	74.44	-----	31.15	-----	43.29
GMW-9	07/09/2012	-----	-----	31.64	-----	-----
GMW-9	10/15/2012	77.16	-----	31.82	-----	45.34
GMW-9	01/14/2013	77.16	-----	31.88	-----	45.28
GMW-9	04/08/2013	77.16	-----	31.83	-----	45.33
GMW-9	10/07/2013	77.16	31.25	35.30	4.05	NC
GMW-9	04/14/2014	77.16	31.65	37.66	6.01	NC
GMW-9	07/03/2014	77.16	32.59	39.26	6.67	NC
GMW-9	10/27/2014	77.16	32.42	36.04	3.62	NC
GMW-9	04/20/2015	77.16	32.99	36.98	3.99	NC
GMW-9	10/20/2015	77.16	34.37	34.61	0.24	NC
GMW-9	04/11/2016	77.16	-----	36.20	-----	40.96
GMW-9	10/3/2016	77.16	-----	38.02	-----	39.14
GMW-10	10/21/2002	74.67	-----	33.71	-----	40.96
GMW-10	11/04/2002	74.67	26.25	34.00	7.75	NC
GMW-10	04/07/2003	74.67	26.47	26.47	0.00	NC
GMW-10	10/06/2003	72.90	26.51	26.72	0.21	NC
GMW-10	04/19/2004	74.67	-----	28.42	-----	46.25
GMW-10	05/02/2005	74.67	21.16	27.53	6.37	NC
GMW-10	10/31/2005	74.67	26.03	26.10	0.07	NC
GMW-10	05/01/2006	74.67	23.65	24.18	0.53	NC
GMW-10	12/04/2006	74.67	24.38	25.55	1.17	NC

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GMW-10	04/30/2007	74.67	-----	25.90	-----	48.77
GMW-10	11/12/2007	74.67	25.02	25.82	0.80	NC
GMW-10	04/14/2008	74.67	25.38	25.44	0.06	NC
GMW-10	10/13/2008	74.67	-----	24.16	-----	50.51
GMW-10	04/20/2009	74.67	-----	24.46	-----	50.21
GMW-10	10/19/2009	74.67	-----	27.20	-----	47.47
GMW-10	05/24/2010	74.67	-----	26.72	-----	47.95
GMW-10	05/28/2010	74.67	-----	26.70	-----	47.97
GMW-10	10/04/2010	74.67	-----	27.15	-----	47.52
GMW-10	04/11/2011	74.67	-----	25.21	-----	49.46
GMW-10	10/10/2011	74.67	-----	27.75	-----	46.92
GMW-10	04/27/2012	74.67	-----	28.47	-----	46.20
GMW-10	10/15/2012	74.67	29.02	29.15	0.13	NC
GMW-10	04/08/2013	74.67	28.12	33.64	5.52	NC
GMW-10	10/07/2013	-----	29.32	31.85	2.53	NC
GMW-10	04/14/2014	73.35	29.01	29.43	0.42	NC
GMW-10	10/27/2014	-----	29.12	30.19	1.07	NC
GMW-10	04/20/2015	73.35	28.42	34.99	6.57	NC
GMW-10	10/20/2015	73.35	31.02	32.96	1.94	NC
GMW-10	04/11/2016	73.35	32.10	33.70	1.60	NC
GMW-10	10/3/2016	73.35	33.65	35.10	1.45	NC
GMW-11	05/28/1996	72.90	-----	25.19	-----	47.71
GMW-11	11/20/1996	72.90	-----	26.35	-----	46.55
GMW-11	07/01/1997	72.90	-----	26.17	-----	46.73
GMW-11	12/31/1997	72.90	-----	26.73	-----	46.17
GMW-11	05/01/1998	72.90	-----	23.37	-----	49.53
GMW-11	05/04/1999	72.90	-----	24.46	-----	48.44
GMW-11	11/15/1999	72.90	-----	25.11	-----	47.79
GMW-11	05/15/2000	72.90	-----	24.96	-----	47.94
GMW-11	11/13/2000	72.90	-----	25.64	-----	47.26
GMW-11	05/07/2001	72.90	-----	23.81	-----	49.09
GMW-11	08/07/2001	72.90	25.21	27.21	2.00	NC
GMW-11	11/05/2001	72.90	-----	23.79	-----	49.11
GMW-11	04/08/2002	72.90	-----	25.62	-----	47.28
GMW-11	10/21/2002	72.90	-----	25.38	-----	47.52
GMW-11	04/07/2003	72.90	-----	24.37	-----	48.53
GMW-11	10/06/2003	72.90	-----	24.67	-----	48.23
GMW-11	04/19/2004	72.90	-----	25.16	-----	47.74
GMW-11	10/31/2005	72.90	-----	23.10	-----	49.80
GMW-11	05/01/2006	72.90	-----	22.26	-----	50.64
GMW-11	05/09/2006	72.90	-----	22.09	-----	50.81

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	12/01/2006	72.90	-----	23.20	-----	49.70
GMW-11	04/30/2007	72.90	-----	23.26	-----	49.64
GMW-11	04/30/2007	72.90	-----	23.32	-----	49.58
GMW-11	04/14/2008	72.90	-----	23.75	-----	49.15
GMW-11	04/14/2008	72.90	-----	23.77	-----	49.13
GMW-11	10/13/2008	72.90	-----	24.62	-----	48.28
GMW-11	10/14/2008	72.90	-----	24.82	-----	48.08
GMW-11	04/20/2009	72.90	-----	24.65	-----	48.25
GMW-11	10/19/2009	72.90	-----	25.69	-----	47.21
GMW-11	05/24/2010	72.90	-----	25.45	-----	47.45
GMW-11	05/28/2010	72.90	-----	25.39	-----	47.51
GMW-11	10/04/2010	72.90	-----	25.48	-----	47.42
GMW-11	04/11/2011	72.90	-----	24.14	-----	48.76
GMW-11	10/10/2011	72.90	-----	24.98	-----	47.92
GMW-11	04/16/2012	72.90	-----	26.03	-----	46.87
GMW-11	10/15/2012	72.90	-----	27.05	-----	45.85
GMW-11	04/08/2013	72.90	-----	27.92	-----	44.98
GMW-11	04/15/2016	72.90	-----	31.67	-----	41.23
GMW-12	05/28/1996	75.21	27.36	28.02	0.66	NC
GMW-12	11/20/1996	75.21	-----	28.25	-----	46.96
GMW-12	07/01/1997	75.21	-----	27.65	-----	47.56
GMW-12	12/31/1997	75.21	-----	28.05	-----	47.16
GMW-12	05/01/1998	75.21	-----	25.06	-----	50.15
GMW-12	05/25/1999	75.21	-----	26.17	-----	49.04
GMW-12	05/15/2000	75.21	-----	26.81	-----	48.40
GMW-12	11/13/2000	75.21	-----	27.40	-----	47.81
GMW-12	05/07/2001	75.21	-----	25.65	-----	49.56
GMW-12	08/07/2001	75.21	25.74	26.15	0.41	NC
GMW-12	04/08/2002	75.21	-----	26.89	-----	48.32
GMW-12	10/21/2002	75.21	-----	27.40	-----	47.81
GMW-12	04/07/2003	75.21	-----	26.60	-----	48.61
GMW-12	10/06/2003	75.21	-----	26.45	-----	48.76
GMW-12	04/19/2004	75.21	-----	27.54	-----	47.67
GMW-12	11/01/2004	75.21	-----	27.76	-----	47.45
GMW-12	05/02/2005	75.21	-----	21.20	-----	54.01
GMW-12	05/01/2006	75.21	-----	24.03	-----	51.18
GMW-12	12/04/2006	75.21	-----	25.03	-----	50.18
GMW-12	04/30/2007	75.21	-----	25.51	-----	49.70
GMW-12	11/12/2007	75.21	-----	25.46	-----	49.75
GMW-12	04/14/2008	75.21	-----	25.72	-----	49.49
GMW-12	07/24/2008	75.21	-----	26.06	-----	49.15

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	10/14/2008	75.21	-----	26.83	-----	48.38
GMW-12	02/10/2009	75.21	-----	26.39	-----	48.82
GMW-12	04/20/2009	75.21	-----	26.38	-----	48.83
GMW-12	10/19/2009	75.21	-----	27.62	-----	47.59
GMW-12	04/08/2010	75.21	-----	27.17	-----	48.04
GMW-12	04/12/2010	75.21	-----	26.83	-----	48.38
GMW-12	01/08/2011	75.21	-----	28.05	-----	47.16
GMW-12	04/07/2011	75.21	-----	26.54	-----	48.67
GMW-12	07/08/2011	75.21	-----	26.57	-----	48.64
GMW-12	10/07/2011	75.21	-----	27.25	-----	47.96
GMW-12	04/12/2012	75.21	-----	28.38	-----	46.83
GMW-12	04/16/2012	75.21	-----	28.25	-----	46.96
GMW-12	01/10/2013	75.21	-----	29.97	-----	45.24
GMW-12	04/03/2013	75.21	-----	29.88	-----	45.33
GMW-12	04/08/2013	75.21	-----	29.94	-----	45.27
GMW-12	10/02/2013	75.21	-----	30.54	-----	44.67
GMW-12	04/07/2014	75.21	-----	31.46	-----	43.75
GMW-12	04/16/2014	75.21	-----	30.96	-----	44.25
GMW-12	10/27/2014	75.21	-----	31.39	-----	43.82
GMW-12	04/20/2015	75.21	-----	31.74	-----	43.47
GMW-12	10/3/2016	75.21	-----	34.45	-----	40.76
GMW-13	05/28/1996	74.17	-----	26.91	-----	47.26
GMW-13	11/20/1996	74.17	-----	26.89	-----	47.28
GMW-13	07/01/1997	74.17	-----	25.92	-----	48.25
GMW-13	12/31/1997	74.17	-----	25.58	-----	48.59
GMW-13	05/01/1998	74.17	-----	23.10	-----	51.07
GMW-13	05/04/1999	74.17	-----	24.75	-----	49.42
GMW-13	11/15/1999	74.17	-----	25.65	-----	48.52
GMW-13	05/15/2000	74.17	-----	25.38	-----	48.79
GMW-13	11/13/2000	74.17	-----	26.02	-----	48.15
GMW-13	05/07/2001	74.17	-----	24.28	-----	49.89
GMW-13	11/05/2001	74.17	-----	24.67	-----	49.50
GMW-13	02/01/2002	74.17	-----	24.65	-----	49.52
GMW-13	04/08/2002	74.17	-----	25.40	-----	48.77
GMW-13	10/21/2002	74.17	-----	26.15	-----	48.02
GMW-13	04/07/2003	74.17	-----	25.32	-----	48.85
GMW-13	10/06/2003	74.17	-----	25.13	-----	49.04
GMW-13	01/11/2004	74.17	-----	26.58	-----	47.59
GMW-13	04/19/2004	74.17	-----	26.96	-----	47.21
GMW-13	05/02/2005	74.17	-----	20.54	-----	53.63
GMW-13	10/31/2005	74.17	-----	22.32	-----	51.85

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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-13	05/01/2006	74.17	-----	22.82	-----	51.35
GMW-13	12/04/2006	74.17	-----	23.75	-----	50.42
GMW-13	04/30/2007	74.17	-----	24.10	-----	50.07
GMW-13	11/12/2007	74.17	-----	24.89	-----	49.28
GMW-13	04/14/2008	74.17	-----	24.60	-----	49.57
GMW-13	10/13/2008	74.17	-----	26.27	-----	47.90
GMW-13	04/20/2009	74.17	-----	25.41	-----	48.76
GMW-13	10/19/2009	74.17	-----	26.45	-----	47.72
GMW-13	05/24/2010	74.17	-----	25.86	-----	48.31
GMW-13	05/28/2010	74.17	-----	25.63	-----	48.54
GMW-13	10/04/2010	74.17	-----	26.41	-----	47.76
GMW-13	04/11/2011	74.17	-----	25.23	-----	48.94
GMW-13	10/10/2011	74.17	-----	25.92	-----	48.25
GMW-13	04/16/2012	74.17	-----	27.09	-----	47.08
GMW-13	10/15/2012	74.17	-----	27.89	-----	46.28
GMW-13	04/08/2013	74.17	-----	28.67	-----	45.50
GMW-13	10/07/2013	74.17	-----	29.65	-----	44.52
GMW-13	04/14/2014	74.17	-----	29.66	-----	44.51
GMW-13	10/27/2014	74.17	-----	30.02	-----	44.15
GMW-13	04/20/2015	74.17	-----	30.39	-----	43.78
GMW-13	10/19/2015	74.17	-----	31.16	-----	43.01
GMW-13	04/11/2016	74.17	-----	32.13	-----	42.04
GMW-13	10/3/2016	74.17	-----	33.20	-----	40.97
GMW-14	05/04/1999	74.72	-----	25.37	-----	49.35
GMW-14	08/09/1999	74.72	-----	25.95	-----	48.77
GMW-14	11/15/1999	74.72	-----	26.27	-----	48.45
GMW-14	05/15/2000	74.72	-----	26.02	-----	48.70
GMW-14	11/13/2000	74.72	-----	26.67	-----	48.05
GMW-14	05/07/2001	74.72	-----	24.92	-----	49.80
GMW-14	11/05/2001	74.72	-----	25.28	-----	49.44
GMW-14	04/08/2002	74.72	-----	26.00	-----	48.72
GMW-14	10/21/2002	74.72	-----	26.79	-----	47.93
GMW-14	04/07/2003	74.72	-----	25.25	-----	49.47
GMW-14	10/06/2003	74.72	-----	25.91	-----	48.81
GMW-14	01/11/2004	74.72	-----	27.21	-----	47.51
GMW-14	04/19/2004	74.72	-----	28.69	-----	46.03
GMW-14	05/02/2005	74.72	-----	21.29	-----	53.43
GMW-14	10/31/2005	74.72	-----	22.96	-----	51.76
GMW-14	05/01/2006	74.72	-----	23.44	-----	51.28
GMW-14	12/04/2006	74.72	-----	24.39	-----	50.33
GMW-14	04/30/2007	74.72	-----	24.61	-----	50.11

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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	11/12/2007	74.72	-----	24.55	-----	50.17
GMW-14	04/14/2008	74.72	-----	28.15	-----	46.57
GMW-14	10/13/2008	74.72	-----	27.23	-----	47.49
GMW-14	04/20/2009	74.72	-----	25.97	-----	48.75
GMW-14	10/19/2009	74.72	-----	27.31	-----	47.41
GMW-14	10/04/2010	74.72	-----	26.99	-----	47.73
GMW-14	04/11/2011	74.72	-----	25.88	-----	48.84
GMW-14	10/10/2011	74.72	-----	26.71	-----	48.01
GMW-14	04/16/2012	74.72	-----	27.98	-----	46.74
GMW-14	10/15/2012	74.72	-----	28.91	-----	45.81
GMW-14	04/08/2013	74.72	-----	29.20	-----	45.52
GMW-14	10/07/2013	74.72	-----	30.15	-----	44.57
GMW-14	04/14/2014	74.72	-----	30.25	-----	44.47
GMW-14	10/27/2014	74.72	-----	30.63	-----	44.09
GMW-14	Well decommissioned in December 2014 prior to remedial excavation					
GMW-15	05/28/1996	76.21	28.71	29.16	0.45	NC
GMW-15	11/20/1996	76.21	-----	29.70	-----	46.51
GMW-15	07/01/1997	76.21	-----	29.39	-----	46.82
GMW-15	12/31/1997	76.21	-----	29.40	-----	46.81
GMW-15	05/01/1998	76.21	-----	26.71	-----	49.50
GMW-15	05/25/1999	76.21	-----	27.51	-----	48.70
GMW-15	05/15/2000	76.21	-----	22.59	-----	53.62
GMW-15	05/15/2000	76.21	-----	28.39	-----	47.82
GMW-15	11/13/2000	76.21	-----	27.75	-----	48.46
GMW-15	11/13/2000	76.21	-----	28.80	-----	47.41
GMW-15	05/07/2001	76.21	-----	26.60	-----	49.61
GMW-15	05/07/2001	76.21	-----	27.02	-----	49.19
GMW-15	04/08/2002	76.21	-----	28.51	-----	47.70
GMW-15	10/21/2002	76.21	-----	28.49	-----	47.72
GMW-15	04/07/2003	76.21	-----	28.25	-----	47.96
GMW-15	10/06/2003	76.21	-----	28.00	-----	48.21
GMW-15	04/19/2004	76.21	-----	29.23	-----	46.98
GMW-15	11/01/2004	76.21	-----	28.91	-----	47.30
GMW-15	05/02/2005	76.21	-----	23.85	-----	52.36
GMW-15	03/06/2006	76.21	-----	25.42	-----	50.79
GMW-15	05/01/2006	76.21	-----	25.70	-----	50.51
GMW-15	08/26/2006	76.21	-----	26.05	-----	50.16
GMW-15	12/01/2006	76.21	-----	26.45	-----	49.76
GMW-15	03/21/2007	76.21	-----	26.38	-----	49.83
GMW-15	04/27/2007	76.21	-----	26.90	-----	49.31
GMW-15	08/28/2007	76.21	-----	26.70	-----	49.51

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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)
GMW-15	11/12/2007	76.21	-----	27.38	-----	48.83
GMW-15	02/05/2008	76.21	-----	27.78	-----	48.43
GMW-15	04/11/2008	76.21	-----	27.29	-----	48.92
GMW-15	07/24/2008	76.21	-----	27.52	-----	48.69
GMW-15	10/13/2008	76.21	-----	28.36	-----	47.85
GMW-15	02/09/2009	76.21	-----	28.51	-----	47.70
GMW-15	04/20/2009	76.21	-----	28.31	-----	47.90
GMW-15	07/16/2009	76.21	-----	28.32	-----	47.89
GMW-15	10/19/2009	76.21	-----	28.90	-----	47.31
GMW-15	04/08/2010	76.21	-----	28.51	-----	47.70
GMW-15	04/12/2010	76.21	-----	28.24	-----	47.97
GMW-15	01/06/2011	76.21	-----	29.10	-----	47.11
GMW-15	04/08/2011	76.21	-----	27.81	-----	48.40
GMW-15	07/07/2011	76.21	-----	28.05	-----	48.16
GMW-15	10/06/2011	76.21	-----	28.53	-----	47.68
GMW-15	04/12/2012	76.21	-----	29.75	-----	46.46
GMW-15	04/19/2012	76.21	-----	29.45	-----	46.76
GMW-15	01/10/2013	76.21	-----	30.88	-----	45.33
GMW-15	04/02/2013	76.21	-----	30.82	-----	45.39
GMW-15	04/08/2013	76.21	-----	30.78	-----	45.43
GMW-15	10/01/2013	76.21	-----	31.60	-----	44.61
GMW-15	04/07/2014	76.21	-----	32.30	-----	43.91
GMW-15	04/15/2014	76.21	-----	32.02	-----	44.19
GMW-15	10/27/2014	76.21	-----	32.58	-----	43.63
GMW-15	04/22/2015	76.21	-----	32.92	-----	43.29
GMW-15	10/19/2015	76.21	-----	33.62	-----	42.59
GMW-15	04/11/2016	76.21	-----	35.19	-----	41.02
GMW-15	10/3/2016	76.21	-----	34.51	-----	41.70
GMW-16	05/28/1996	77.00	-----	29.86	-----	47.14
GMW-16	11/20/1996	77.00	-----	30.60	-----	46.40
GMW-16	07/01/1997	77.00	-----	31.61	-----	45.39
GMW-16	12/31/1997	77.00	-----	30.60	-----	46.40
GMW-16	05/01/1998	77.00	-----	27.73	-----	49.27
GMW-16	05/25/1999	77.00	-----	28.46	-----	48.54
GMW-16	05/15/2000	77.00	-----	29.50	-----	47.50
GMW-16	11/13/2000	77.00	-----	28.67	-----	48.33
GMW-16	05/07/2001	77.00	-----	28.38	-----	48.62
GMW-16	04/08/2002	77.00	-----	29.42	-----	47.58
GMW-16	10/21/2002	77.00	-----	29.15	-----	47.85
GMW-16	04/07/2003	77.00	-----	29.20	-----	47.80
GMW-16	10/06/2003	77.00	-----	28.92	-----	48.08

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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-16	04/19/2004	77.00	-----	30.03	-----	46.97
GMW-16	11/05/2004	77.00	-----	29.53	-----	47.47
GMW-16	05/02/2005	77.00	-----	25.05	-----	51.95
GMW-16	03/06/2006	77.00	-----	26.35	-----	50.65
GMW-16	05/01/2006	77.00	-----	26.65	-----	50.35
GMW-16	08/26/2006	77.00	-----	26.98	-----	50.02
GMW-16	12/01/2006	77.00	-----	27.31	-----	49.69
GMW-16	03/21/2007	77.00	-----	27.51	-----	49.49
GMW-16	04/27/2007	77.00	-----	27.72	-----	49.28
GMW-16	08/28/2007	77.00	-----	27.99	-----	49.01
GMW-16	11/12/2007	77.00	-----	28.33	-----	48.67
GMW-16	02/05/2008	77.00	-----	28.68	-----	48.32
GMW-16	04/11/2008	77.00	-----	28.13	-----	48.87
GMW-16	07/24/2008	77.00	-----	28.56	-----	48.44
GMW-16	10/13/2008	77.00	-----	29.21	-----	47.79
GMW-16	02/09/2009	77.00	-----	29.18	-----	47.82
GMW-16	04/20/2009	77.00	-----	30.50	-----	46.50
GMW-16	07/16/2009	77.00	-----	29.52	-----	47.48
GMW-16	10/19/2009	77.00	-----	30.24	-----	46.76
GMW-16	04/07/2010	77.00	-----	29.68	-----	47.32
GMW-16	04/12/2010	77.00	-----	29.38	-----	47.62
GMW-16	01/08/2011	77.00	-----	26.47	-----	50.53
GMW-16	07/07/2011	77.00	-----	29.04	-----	47.96
GMW-16	10/06/2011	77.00	-----	29.48	-----	47.52
GMW-16	04/12/2012	77.00	-----	30.53	-----	46.47
GMW-16	04/18/2012	77.00	-----	30.29	-----	46.71
GMW-16	01/11/2013	77.00	-----	31.68	-----	45.32
GMW-16	04/02/2013	77.00	-----	31.66	-----	45.34
GMW-16	04/08/2013	77.00	-----	31.65	-----	45.35
GMW-16	10/02/2013	77.00	-----	32.35	-----	44.65
GMW-16	04/09/2014	77.00	-----	33.03	-----	43.97
GMW-16	04/14/2014	77.00	-----	32.95	-----	44.05
GMW-16	10/27/2014	77.00	-----	33.43	-----	43.57
GMW-16	04/22/2015	77.00	-----	33.22	-----	43.78
GMW-17	05/28/1996	74.66	26.65	30.51	3.86	NC
GMW-17	11/20/1996	74.66	27.27	31.79	4.52	NC
GMW-17	07/01/1997	74.66	27.38	32.71	5.33	NC
GMW-17	12/31/1997	74.66	26.92	32.74	5.82	NC
GMW-17	05/01/1998	74.66	25.04	25.19	0.15	NC
GMW-17	05/25/1999	74.66	-----	27.06	-----	47.60
GMW-17	05/15/2000	74.66	25.13	25.18	0.05	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-17	11/13/2000	74.66	-----	26.52	-----	48.14
GMW-17	05/07/2001	74.66	-----	25.32	-----	49.34
GMW-17	04/08/2002	74.66	-----	26.70	-----	47.96
GMW-17	09/19/2002	74.66	27.70	27.89	0.19	NC
GMW-17	10/21/2002	74.66	-----	27.67	-----	46.99
GMW-17	04/07/2003	74.66	-----	26.60	-----	48.06
GMW-17	10/06/2003	74.66	-----	26.60	-----	48.06
GMW-17	04/19/2004	74.66	-----	25.58	-----	49.08
GMW-17	11/01/2004	74.66	-----	27.51	-----	47.15
GMW-17	02/28/2005	74.66	-----	22.85	-----	51.81
GMW-17	05/02/2005	74.66	-----	21.23	-----	53.43
GMW-17	03/06/2006	74.66	-----	23.76	-----	50.90
GMW-17	05/01/2006	74.66	-----	23.75	-----	50.91
GMW-17	08/26/2006	74.66	-----	24.36	-----	50.30
GMW-17	12/01/2006	74.66	-----	24.86	-----	49.80
GMW-17	03/21/2007	74.66	-----	25.04	-----	49.62
GMW-17	04/30/2007	74.66	-----	25.23	-----	49.43
GMW-17	08/28/2007	74.66	-----	25.42	-----	49.24
GMW-17	11/12/2007	74.66	-----	25.63	-----	49.03
GMW-17	02/05/2008	74.66	-----	26.25	-----	48.41
GMW-17	04/11/2008	74.66	-----	25.10	-----	49.56
GMW-17	07/24/2008	74.66	-----	25.91	-----	48.75
GMW-17	10/14/2008	74.66	-----	26.35	-----	48.31
GMW-17	02/10/2009	74.66	-----	27.05	-----	47.61
GMW-17	04/20/2009	74.66	-----	26.00	-----	48.66
GMW-17	07/16/2009	74.66	-----	27.15	-----	47.51
GMW-17	10/19/2009	74.66	-----	27.51	-----	47.15
GMW-17	04/08/2010	74.66	-----	25.92	-----	48.74
GMW-17	04/12/2010	74.66	-----	25.83	-----	48.83
GMW-17	04/08/2011	74.66	-----	24.04	-----	50.62
GMW-17	07/08/2011	74.66	-----	25.50	-----	49.16
GMW-17	10/06/2011	74.66	-----	26.20	-----	48.46
GMW-17	04/12/2012	74.66	-----	27.94	-----	46.72
GMW-17	04/20/2012	74.66	-----	27.77	-----	46.89
GMW-17	01/11/2013	74.66	-----	29.50	-----	45.16
GMW-17	04/03/2013	74.66	-----	29.38	-----	45.28
GMW-17	04/08/2013	74.66	-----	29.34	-----	45.32
GMW-17	10/02/2013	74.66	-----	30.11	-----	44.55
GMW-17	04/09/2014	74.66	-----	30.83	-----	43.83
GMW-17	04/17/2014	74.66	-----	30.72	-----	43.94
GMW-17	10/27/2014	74.66	-----	31.03	-----	43.63

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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-17	Well decommissioned in December 2014 prior to remedial excavation					
GMW-18	11/20/1996	75.36	28.40	32.50	4.10	NC
GMW-18	07/01/1997	75.36	27.70	31.50	3.80	NC
GMW-18	12/31/1997	75.36	28.01	32.08	4.07	NC
GMW-18	05/01/1998	75.36	18.61	24.64	6.03	NC
GMW-18	05/25/1999	75.36	25.77	29.48	3.71	NC
GMW-18	05/15/2000	75.36	26.28	30.35	4.07	NC
GMW-18	11/18/2000	75.36	-----	28.77	-----	46.59
GMW-18	05/07/2001	75.36	24.80	29.70	4.90	NC
GMW-18	04/08/2002	75.36	-----	27.74	-----	47.62
GMW-18	09/19/2002	75.36	27.97	28.02	0.05	NC
GMW-18	10/21/2002	75.36	-----	28.74	-----	46.62
GMW-18	04/07/2003	75.36	-----	27.06	-----	48.30
GMW-18	10/06/2003	75.36	26.66	27.40	0.74	NC
GMW-18	04/19/2004	75.36	-----	27.33	-----	48.03
GMW-18	11/01/2004	75.36	27.27	27.44	0.17	NC
GMW-18	02/28/2005	75.36	23.85	23.87	0.02	NC
GMW-18	05/02/2005	75.36	-----	22.40	-----	52.96
GMW-18	03/06/2006	75.36	-----	24.21	-----	51.15
GMW-18	05/01/2006	75.36	-----	24.50	-----	50.86
GMW-18	08/26/2006	75.36	-----	24.91	-----	50.45
GMW-18	12/01/2006	75.36	-----	25.20	-----	50.16
GMW-18	03/21/2007	75.36	-----	25.18	-----	50.18
GMW-18	04/30/2007	75.36	-----	25.72	-----	49.64
GMW-18	08/28/2007	75.36	-----	25.62	-----	49.74
GMW-18	11/12/2007	75.36	-----	26.29	-----	49.07
GMW-18	02/05/2008	75.36	-----	26.73	-----	48.63
GMW-18	04/14/2008	75.36	-----	25.91	-----	49.45
GMW-18	10/14/2008	75.36	-----	27.00	-----	48.36
GMW-18	02/10/2009	75.36	-----	26.50	-----	48.86
GMW-18	04/20/2009	75.36	-----	26.80	-----	48.56
GMW-18	07/17/2009	75.36	-----	27.41	-----	47.95
GMW-18	10/19/2009	75.36	-----	27.91	-----	47.45
GMW-18	04/08/2010	75.36	-----	27.30	-----	48.06
GMW-18	04/12/2010	75.36	-----	27.44	-----	47.92
GMW-18	10/01/2010	75.36	-----	27.80	-----	47.56
GMW-18	01/08/2011	75.36	-----	27.86	-----	47.50
GMW-18	04/12/2012	75.36	-----	28.54	-----	46.82
GMW-18	04/20/2012	75.36	-----	28.45	-----	46.91
GMW-18	04/05/2013	75.36	29.66	30.33	0.67	NC
GMW-18	04/08/2013	75.36	29.64	30.21	0.57	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-18	10/02/2013	75.36	30.24	32.17	1.93	NC
GMW-18	04/07/2014	75.36	30.95	33.15	2.20	NC
GMW-18	04/16/2014	75.36	30.92	33.08	2.16	NC
GMW-18	10/27/2014	75.36	-----	31.13	-----	44.23
GMW-18	04/20/2015	75.36	-----	31.47	-----	43.89
GMW-18	10/3/2016	75.36	33.27	35.34	2.07	NC
GMW-19	05/28/1996	76.83	-----	30.39	-----	46.44
GMW-19	11/20/1996	76.83	-----	30.39	-----	46.44
GMW-19	07/01/1997	76.83	-----	29.82	-----	47.01
GMW-19	12/31/1997	76.83	-----	30.08	-----	46.75
GMW-19	05/01/1998	76.83	-----	26.97	-----	49.86
GMW-19	05/25/1999	76.83	-----	28.00	-----	48.83
GMW-19	05/15/2000	76.83	-----	28.85	-----	47.98
GMW-19	11/13/2000	76.83	-----	28.21	-----	48.62
GMW-19	05/07/2001	76.83	-----	27.44	-----	49.39
GMW-19	04/08/2002	76.83	-----	29.08	-----	47.75
GMW-19	09/19/2002	76.83	-----	28.63	-----	48.20
GMW-19	10/21/2002	76.83	-----	29.22	-----	47.61
GMW-19	04/07/2003	76.83	-----	28.58	-----	48.25
GMW-19	10/06/2003	76.83	-----	28.45	-----	48.38
GMW-19	04/19/2004	76.83	-----	29.44	-----	47.39
GMW-19	11/01/2004	76.83	-----	27.92	-----	48.91
GMW-19	02/28/2005	76.83	-----	25.69	-----	51.14
GMW-19	05/02/2005	76.83	-----	24.47	-----	52.36
GMW-19	03/06/2006	76.83	-----	26.32	-----	50.51
GMW-19	05/01/2006	76.83	-----	26.24	-----	50.59
GMW-19	08/26/2006	76.83	-----	26.64	-----	50.19
GMW-19	12/01/2006	76.83	-----	26.92	-----	49.91
GMW-19	03/21/2007	76.83	-----	27.41	-----	49.42
GMW-19	04/30/2007	76.83	-----	27.48	-----	49.35
GMW-19	08/28/2007	76.83	-----	28.00	-----	48.83
GMW-19	11/12/2007	76.83	-----	28.04	-----	48.79
GMW-19	02/05/2008	76.83	-----	28.67	-----	48.16
GMW-19	04/14/2008	76.83	-----	27.64	-----	49.19
GMW-19	07/24/2008	76.83	-----	27.97	-----	48.86
GMW-19	10/14/2008	76.83	-----	28.76	-----	48.07
GMW-19	02/10/2009	76.83	-----	27.35	-----	49.48
GMW-19	04/20/2009	76.83	-----	28.71	-----	48.12
GMW-19	07/17/2009	76.83	-----	28.79	-----	48.04
GMW-19	10/19/2009	76.83	-----	29.54	-----	47.29
GMW-19	04/08/2010	76.83	-----	29.05	-----	47.78

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GMW-19	04/12/2010	76.83	-----	29.16	-----	47.67
GMW-19	10/06/2011	76.83	-----	29.06	-----	47.77
GMW-19	04/12/2012	76.83	-----	30.26	-----	46.57
GMW-19	04/18/2012	76.83	-----	30.09	-----	46.74
GMW-19	01/10/2013	76.83	-----	31.56	-----	45.27
GMW-19	04/03/2013	76.83	-----	31.49	-----	45.34
GMW-19	04/08/2013	76.83	-----	31.60	-----	45.23
GMW-19	10/02/2013	76.83	-----	32.29	-----	44.54
GMW-19	04/07/2014	76.83	-----	33.00	-----	43.83
GMW-19	04/14/2014	76.83	-----	32.79	-----	44.04
GMW-19	10/27/2014	76.83	-----	33.20	-----	43.63
GMW-19	04/20/2015	76.83	-----	33.53	-----	43.30
GMW-19	10/19/2015	76.83	-----	34.33	-----	42.50
GMW-20	05/28/1996	75.10	-----	27.65	-----	47.45
GMW-20	11/20/1996	75.10	-----	28.53	-----	46.57
GMW-20	07/01/1997	75.10	-----	28.26	-----	46.84
GMW-20	12/31/1997	75.10	-----	28.23	-----	46.87
GMW-20	05/01/1998	75.10	-----	25.50	-----	49.60
GMW-20	05/25/1999	75.10	-----	26.25	-----	48.85
GMW-20	05/15/2000	75.10	-----	26.95	-----	48.15
GMW-20	11/13/2000	75.10	-----	27.56	-----	47.54
GMW-20	05/07/2001	75.10	-----	25.75	-----	49.35
GMW-20	08/07/2001	75.10	25.55	26.67	1.12	NC
GMW-20	04/08/2002	75.10	-----	26.77	-----	48.33
GMW-20	10/21/2002	75.10	-----	27.16	-----	47.94
GMW-20	04/07/2003	75.10	-----	26.62	-----	48.48
GMW-20	10/06/2003	75.10	-----	26.62	-----	48.48
GMW-20	04/19/2004	75.10	-----	27.88	-----	47.22
GMW-20	11/01/2004	75.10	-----	27.79	-----	47.31
GMW-20	05/02/2005	75.10	-----	22.20	-----	52.90
GMW-20	05/01/2006	75.10	-----	24.28	-----	50.82
GMW-20	12/01/2006	75.10	-----	25.17	-----	49.93
GMW-20	04/30/2007	75.10	-----	25.63	-----	49.47
GMW-20	11/12/2007	75.10	-----	26.08	-----	49.02
GMW-20	04/14/2008	75.10	-----	25.74	-----	49.36
GMW-20	10/14/2008	75.10	-----	26.89	-----	48.21
GMW-20	10/01/2010	75.10	-----	27.64	-----	47.46
GMW-20	01/08/2011	75.10	-----	27.81	-----	47.29
GMW-20	04/12/2012	75.10	-----	28.41	-----	46.69
GMW-20	10/02/2013	75.10	-----	30.54	-----	44.56
GMW-20	04/09/2014	75.10	-----	31.18	-----	43.92

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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-20	10/27/2014	75.10	-----	31.43	-----	43.67
GMW-20	04/20/2015	75.10	-----	31.79	-----	43.31
GMW-20	10/19/2015	75.10	-----	32.55	-----	42.55
GMW-20	04/11/2016	75.10	-----	33.52	-----	41.58
GMW-20	10/03/2016	75.10	-----	34.19	-----	40.91
GMW-21	05/28/1996	76.23	27.89	33.21	5.32	NC
GMW-21	11/20/1996	76.23	28.95	33.05	4.10	NC
GMW-21	07/01/1997	76.23	29.13	30.13	1.00	NC
GMW-21	04/08/2002	76.23	-----	28.84	-----	47.39
GMW-21	10/06/2003	76.23	27.90	28.17	0.27	NC
GMW-21	04/19/2004	76.23	29.14	29.57	0.43	NC
GMW-21	11/01/2004	76.23	28.68	28.91	0.23	NC
GMW-21	05/02/2005	76.23	23.79	24.56	0.77	NC
GMW-21	05/01/2006	76.23	25.21	26.99	1.78	NC
GMW-21	08/26/2006	76.23	25.54	25.79	0.25	NC
GMW-21	12/01/2006	76.23	25.99	27.83	1.84	NC
GMW-21	04/27/2007	76.23	-----	26.41	-----	49.82
GMW-21	11/09/2007	76.23	27.34	27.37	0.03	NC
GMW-21	02/05/2008	76.23	-----	27.79	-----	48.44
GMW-21	10/13/2008	76.23	-----	28.18	-----	48.05
GMW-21	02/09/2009	76.23	-----	27.48	-----	48.75
GMW-21	07/17/2009	76.23	-----	28.40	-----	47.83
GMW-21	04/07/2010	76.23	-----	28.81	-----	47.42
GMW-21	01/06/2011	76.23	-----	26.85	-----	49.38
GMW-21	04/06/2011	76.23	-----	27.78	-----	48.45
GMW-21	07/07/2011	76.23	-----	27.95	-----	48.28
GMW-21	10/06/2011	76.23	-----	28.41	-----	47.82
GMW-21	04/12/2012	76.23	-----	29.48	-----	46.75
GMW-21	01/10/2013	76.23	30.43	31.90	1.47	NC
GMW-21	04/02/2013	76.23	30.66	30.73	0.07	NC
GMW-21	04/08/2013	76.23	30.56	31.05	0.49	NC
GMW-21	10/01/2013	76.23	31.32	32.00	0.68	NC
GMW-21	04/07/2014	76.23	32.21	32.26	0.05	NC
GMW-21	04/14/2014	76.23	32.22	32.29	0.07	NC
GMW-21	10/27/2014	76.23	-----	32.52	-----	43.71
GMW-21	04/20/2015	76.23	-----	32.82	-----	43.41
GMW-21	10/20/2015	76.23	33.48	33.49	0.01	NC
GMW-21	04/11/2016	76.23	-----	33.96	-----	42.27
GMW-21	10/3/2016	76.23	-----	34.38	-----	41.85
GMW-22	05/28/1996	74.17	29.75	34.31	4.56	NC
GMW-22	11/20/1996	74.17	29.78	33.02	3.24	NC

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GMW-22	07/01/1997	74.17	30.91	34.32	3.41	NC
GMW-22	12/31/1997	74.17	29.98	33.75	3.77	NC
GMW-22	05/01/1998	74.17	19.13	26.55	7.42	NC
GMW-22	05/15/2000	74.17	26.45	30.67	4.22	NC
GMW-22	11/13/2000	74.17	28.67	31.82	3.15	NC
GMW-22	05/07/2001	74.17	27.88	32.30	4.42	NC
GMW-22	08/07/2001	74.17	25.78	29.76	3.98	NC
GMW-22	11/05/2001	74.17	25.95	31.05	5.10	NC
GMW-22	04/08/2002	74.17	26.55	26.59	0.04	NC
GMW-22	05/02/2005	74.17	23.09	26.46	3.37	NC
GMW-22	10/31/2005	74.17	-----	27.80	-----	46.37
GMW-22	05/01/2006	74.17	24.70	24.94	0.24	NC
GMW-22	12/04/2006	74.17	-----	25.43	-----	48.74
GMW-22	04/30/2007	74.17	-----	25.79	-----	48.38
GMW-22	11/12/2007	74.17	25.91	26.45	0.54	NC
GMW-22	08/12/2008	74.17	-----	26.70	-----	47.47
GMW-22	10/31/2008	74.17	27.04	28.25	1.21	NC
GMW-22	11/04/2008	74.17	-----	26.97	-----	47.20
GMW-22	04/21/2009	74.17	27.20	27.30	0.10	NC
GMW-22	10/04/2010	74.17	-----	27.65	-----	46.52
GMW-22	04/11/2011	74.17	-----	26.45	-----	47.72
GMW-22	10/10/2011	74.17	-----	29.68	-----	44.49
GMW-22	04/16/2012	74.17	-----	31.15	-----	43.02
GMW-22	10/15/2012	77.24	-----	31.05	-----	46.19
GMW-22	04/08/2013	77.24	-----	31.92	-----	45.32
GMW-22	10/07/2013	77.24	31.65	34.28	2.63	NC
GMW-22	04/14/2014	77.24	32.30	35.59	3.29	NC
GMW-22	10/27/2014	77.24	32.41	35.74	3.33	NC
GMW-22	04/20/2015	77.24	32.84	36.64	3.80	NC
GMW-22	10/20/2015	77.24	34.92	36.10	1.18	NC
GMW-22	04/11/2016	77.24	35.50	38.59	3.09	NC
GMW-22	10/3/2016	77.24	-----	37.70	-----	39.54
GMW-23	05/28/1996	74.85	27.12	28.07	0.95	NC
GMW-23	11/20/1996	74.85	26.66	28.42	1.76	NC
GMW-23	07/01/1997	74.85	28.99	30.34	1.35	NC
GMW-23	12/31/1997	74.85	28.04	28.92	0.88	NC
GMW-23	05/01/1998	74.85	25.43	25.44	0.01	NC
GMW-23	05/04/1999	74.85	26.65	27.09	0.44	NC
GMW-23	08/09/1999	74.85	26.39	28.52	2.13	NC
GMW-23	11/15/1999	74.85	26.79	29.60	2.81	NC
GMW-23	05/15/2000	74.85	26.90	29.87	2.97	NC

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	11/13/2000	74.85	27.00	31.18	4.18	NC
GMW-23	05/07/2001	74.85	28.62	28.63	0.01	NC
GMW-23	08/07/2001	74.85	25.54	26.07	0.53	NC
GMW-23	11/05/2001	74.85	25.85	26.32	0.47	NC
GMW-23	04/08/2002	74.85	26.40	26.81	0.41	NC
GMW-23	10/21/2002	74.85	28.07	28.94	0.87	NC
GMW-23	04/07/2003	74.85	26.67	26.70	0.03	NC
GMW-23	10/06/2003	74.85	26.35	27.32	0.97	NC
GMW-23	04/19/2004	74.85	26.94	26.95	0.01	NC
GMW-23	05/02/2005	74.85	-----	23.34	-----	51.51
GMW-23	10/31/2005	74.85	26.08	26.13	0.05	NC
GMW-23	05/01/2006	74.85	-----	23.99	-----	50.86
GMW-23	12/04/2006	74.85	-----	24.82	-----	50.03
GMW-23	04/30/2007	74.85	-----	24.98	-----	49.87
GMW-23	11/12/2007	74.85	-----	25.41	-----	49.44
GMW-23	04/14/2008	74.85	-----	25.62	-----	49.23
GMW-23	10/13/2008	74.85	-----	26.21	-----	48.64
GMW-23	04/20/2009	74.85	-----	26.29	-----	48.56
GMW-23	10/19/2009	74.85	-----	27.51	-----	47.34
GMW-23	05/24/2010	74.85	-----	27.32	-----	47.53
GMW-23	05/28/2010	74.85	-----	27.27	-----	47.58
GMW-23	10/04/2010	74.85	-----	27.31	-----	47.54
GMW-23	04/11/2011	74.85	-----	26.40	-----	48.45
GMW-23	10/10/2011	74.85	-----	26.57	-----	48.28
GMW-23	04/16/2012	74.85	-----	28.73	-----	46.12
GMW-23	10/15/2012	74.85	-----	28.45	-----	46.40
GMW-23	04/08/2013	74.85	-----	29.31	-----	45.54
GMW-23	10/07/2013	74.85	-----	30.27	-----	44.58
GMW-23	04/14/2014	74.85	-----	30.23	-----	44.62
GMW-23	10/27/2014	74.85	-----	31.08	-----	43.77
GMW-23	04/20/2015	74.85	-----	31.94	-----	42.91
GMW-23	10/19/2015	74.85	31.84	32.80	0.96	NC
GMW-23	04/11/2016	74.85	34.10	34.12	0.02	NC
GMW-23	10/3/2016	74.85	-----	36.15	-----	38.70
GMW-24	08/07/2001	74.04	27.80	28.68	0.88	NC
GMW-24	05/02/2005	74.04	25.49	25.70	0.21	NC
GMW-24	10/31/2005	74.04	26.29	26.34	0.05	NC
GMW-24	05/01/2006	74.04	26.07	27.29	1.22	NC
GMW-24	12/04/2006	74.04	26.73	27.26	0.53	NC
GMW-24	04/30/2007	74.04	-----	27.07	-----	46.97
GMW-24	11/12/2007	74.04	27.46	27.50	0.04	NC

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GMW-24	10/17/2008	74.04	29.90	30.88	0.98	NC
GMW-24	10/21/2008	74.04	28.30	29.64	1.34	NC
GMW-24	04/21/2009	74.04	-----	29.91	-----	44.13
GMW-24	10/04/2010	74.04	-----	29.50	-----	44.54
GMW-24	04/11/2011	74.04	-----	28.21	-----	45.83
GMW-24	10/10/2011	74.04	-----	28.78	-----	45.26
GMW-24	04/16/2012	74.04	30.31	30.49	0.18	NC
GMW-24	06/14/2013	77.48	32.40	33.35	0.95	NC
GMW-24	10/07/2013	77.48	31.61	35.42	3.81	NC
GMW-24	04/14/2014	77.48	32.01	37.74	5.73	NC
GMW-24	07/03/2014	77.48	33.04	39.60	6.56	NC
GMW-24	10/27/2014	77.48	32.91	36.82	3.91	NC
GMW-24	04/20/2015	77.48	33.82	36.29	2.47	NC
GMW-24	10/20/2015	77.48	----	35.44	----	42.04
GMW-24	04/11/2016	77.48	----	37.10	----	40.38
GMW-24	10/3/2016	77.48	-----	39.31	-----	38.17
GMW-25	05/28/1996	74.29	27.88	32.71	4.83	NC
GMW-25	11/20/1996	74.29	27.75	31.91	4.16	NC
GMW-25	07/01/1997	74.29	28.37	34.58	6.21	NC
GMW-25	12/31/1997	74.29	27.86	33.59	5.73	NC
GMW-25	05/01/1998	74.29	16.76	24.44	7.68	NC
GMW-25	05/04/1999	74.29	26.58	30.40	3.82	NC
GMW-25	08/09/1999	74.29	26.73	29.99	3.26	NC
GMW-25	11/15/1999	74.29	27.75	28.95	1.20	NC
GMW-25	05/15/2000	74.29	27.39	28.17	0.78	NC
GMW-25	11/13/2000	74.29	27.97	29.52	1.55	NC
GMW-25	05/07/2001	74.29	26.27	28.62	2.35	NC
GMW-25	08/07/2001	74.29	25.73	28.14	2.41	NC
GMW-25	11/05/2001	74.29	26.07	28.40	2.33	NC
GMW-25	04/08/2002	74.29	27.00	27.07	0.07	NC
GMW-25	10/21/2002	74.29	29.41	29.45	0.04	NC
GMW-25	05/02/2005	74.29	-----	24.78	-----	49.51
GMW-25	10/31/2005	74.29	25.41	25.47	0.06	NC
GMW-25	05/01/2006	74.29	-----	25.87	-----	48.42
GMW-25	12/04/2006	74.29	-----	26.65	-----	47.64
GMW-25	04/30/2007	74.29	-----	26.60	-----	47.69
GMW-25	11/12/2007	74.29	27.25	27.30	0.05	NC
GMW-25	08/12/2008	74.29	-----	27.81	-----	46.48
GMW-25	10/17/2008	74.29	-----	28.26	-----	46.03
GMW-25	04/21/2009	74.29	-----	28.35	-----	45.94
GMW-25	10/19/2009	74.29	-----	30.28	-----	44.01

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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-25	10/04/2010	74.29	-----	29.25	-----	45.04
GMW-25	04/11/2011	74.29	-----	26.21	-----	48.08
GMW-25	10/10/2011	74.29	-----	30.02	-----	44.27
GMW-25	04/16/2012	74.29	-----	31.30	-----	42.99
GMW-25	10/15/2012	78.14	-----	31.88	-----	46.26
GMW-25	04/08/2013	78.14	-----	32.11	-----	46.03
GMW-25	10/07/2013	78.14	33.10	33.23	0.13	NC
GMW-25	04/14/2014	78.14	33.00	37.40	4.40	NC
GMW-25	10/27/2014	78.14	33.95	34.78	0.83	NC
GMW-25	04/20/2015	78.14	34.47	35.19	0.72	NC
GMW-25	10/20/2015	78.14	35.38	35.40	0.02	NC
GMW-25	04/12/2016	78.14	-----	37.15	-----	40.99
GMW-25	10/3/2016	78.14	-----	38.70	-----	39.44
GMW-26	05/28/1996	74.45	-----	27.20	-----	47.25
GMW-26	11/20/1996	74.45	-----	27.82	-----	46.63
GMW-26	07/01/1997	74.45	-----	29.03	-----	45.42
GMW-26	12/31/1997	74.45	-----	29.14	-----	45.31
GMW-26	05/01/1998	74.45	-----	25.45	-----	49.00
GMW-26	05/04/1999	74.45	-----	26.52	-----	47.93
GMW-26	08/09/1999	74.45	-----	26.55	-----	47.90
GMW-26	11/15/1999	74.45	-----	25.46	-----	48.99
GMW-26	05/15/2000	74.45	-----	26.54	-----	47.91
GMW-26	11/13/2000	74.45	-----	27.67	-----	46.78
GMW-26	05/07/2001	74.45	-----	25.84	-----	48.61
GMW-26	11/05/2001	74.45	-----	25.73	-----	48.72
GMW-26	04/08/2002	74.45	-----	26.40	-----	48.05
GMW-26	10/21/2002	74.45	-----	26.82	-----	47.63
GMW-26	04/07/2003	74.45	-----	25.28	-----	49.17
GMW-26	07/07/2003	74.52	-----	26.53	-----	47.99
GMW-26	10/06/2003	74.52	-----	26.30	-----	48.22
GMW-26	01/11/2004	74.52	-----	27.87	-----	46.65
GMW-26	01/20/2004	74.52	-----	26.83	-----	47.69
GMW-26	04/19/2004	74.52	-----	27.91	-----	46.61
GMW-26	04/27/2004	74.52	-----	27.32	-----	47.20
GMW-26	06/07/2004	74.52	-----	27.95	-----	46.57
GMW-26	07/08/2004	74.52	-----	27.72	-----	46.80
GMW-26	05/02/2005	74.52	-----	23.05	-----	51.47
GMW-26	10/31/2005	74.52	-----	23.62	-----	50.90
GMW-26	05/22/2006	74.52	-----	24.14	-----	50.38
GMW-26	12/04/2006	74.52	-----	24.69	-----	49.83
GMW-26	04/30/2007	74.52	-----	24.68	-----	49.84

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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-26	11/12/2007	74.52	-----	25.06	-----	49.46
GMW-26	04/14/2008	74.52	-----	25.39	-----	49.13
GMW-26	10/13/2008	74.52	-----	25.92	-----	48.60
GMW-26	04/20/2009	74.52	-----	26.12	-----	48.40
GMW-26	10/19/2009	74.52	-----	26.96	-----	47.56
GMW-26	05/24/2010	74.52	-----	27.70	-----	46.82
GMW-26	05/28/2010	74.52	-----	27.47	-----	47.05
GMW-26	10/04/2010	74.52	-----	36.51	-----	38.01
GMW-26	04/11/2011	74.52	-----	27.22	-----	47.30
GMW-26	10/10/2011	74.52	-----	26.38	-----	48.14
GMW-26	04/16/2012	74.52	-----	27.86	-----	46.66
GMW-26	10/15/2012	74.52	-----	28.40	-----	46.12
GMW-26	04/08/2013	74.52	-----	28.98	-----	45.54
GMW-26	10/07/2013	74.52	-----	29.94	-----	44.58
GMW-26	04/14/2014	74.52	-----	30.28	-----	44.24
GMW-26	10/27/2014	74.52	-----	30.68	-----	43.84
GMW-26	04/20/2015	74.52	-----	31.18	-----	43.34
GMW-26	10/19/2015	74.52	-----	31.73	-----	42.79
GMW-26	04/11/2016	74.52	-----	35.55	-----	38.97
GMW-26	10/3/2016	74.52	-----	35.12	-----	39.40
GMW-27	05/28/1996	74.39	-----	27.00	-----	47.39
GMW-27	12/31/1997	74.39	27.76	28.43	0.67	NC
GMW-27	05/01/1998	74.39	-----	25.07	-----	49.32
GMW-27	05/07/1999	74.39	-----	26.44	-----	47.95
GMW-27	08/09/1999	74.39	-----	26.46	-----	47.93
GMW-27	11/15/1999	74.39	-----	26.71	-----	47.68
GMW-27	05/15/2000	74.39	-----	26.44	-----	47.95
GMW-27	11/13/2000	74.39	-----	27.52	-----	46.87
GMW-27	05/07/2001	74.39	-----	25.67	-----	48.72
GMW-27	08/07/2001	74.39	-----	25.25	-----	49.14
GMW-27	11/05/2001	74.39	-----	25.65	-----	48.74
GMW-27	04/08/2002	74.39	-----	28.79	-----	45.60
GMW-27	10/21/2002	74.39	-----	26.72	-----	47.67
GMW-27	04/07/2003	74.39	-----	26.13	-----	48.26
GMW-27	10/06/2003	74.39	-----	26.32	-----	48.07
GMW-27	01/11/2004	74.41	-----	27.82	-----	46.59
GMW-27	01/27/2004	74.39	-----	26.52	-----	47.87
GMW-27	04/19/2004	74.41	-----	27.62	-----	46.79
GMW-27	04/27/2004	74.41	-----	27.00	-----	47.41
GMW-27	06/07/2004	74.41	-----	27.70	-----	46.71
GMW-27	07/08/2004	74.41	-----	27.46	-----	46.95

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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-27	05/02/2005	74.41	-----	24.01	-----	50.40
GMW-27	10/31/2005	74.41	-----	23.03	-----	51.38
GMW-27	05/09/2006	74.41	-----	23.51	-----	50.90
GMW-27	12/04/2006	74.41	-----	24.45	-----	49.96
GMW-27	04/30/2007	74.41	-----	24.52	-----	49.89
GMW-27	11/12/2007	74.41	-----	24.90	-----	49.51
GMW-27	04/14/2008	74.41	-----	25.21	-----	49.20
GMW-27	08/11/2008	74.41	-----	29.68	-----	44.73
GMW-27	10/13/2008	74.41	-----	25.81	-----	48.60
GMW-27	11/21/2008	74.41	-----	26.20	-----	48.21
GMW-27	04/20/2009	74.41	-----	26.04	-----	48.37
GMW-27	10/19/2009	74.41	-----	27.39	-----	47.02
GMW-27	05/24/2010	74.41	-----	26.90	-----	47.51
GMW-27	05/28/2010	74.41	-----	26.96	-----	47.45
GMW-27	10/04/2010	74.41	-----	26.95	-----	47.46
GMW-27	01/10/2011	74.41	-----	27.97	-----	46.44
GMW-27	04/11/2011	74.41	-----	26.33	-----	48.08
GMW-27	10/10/2011	74.41	-----	26.17	-----	48.24
GMW-27	01/09/2012	74.41	-----	26.84	-----	47.57
GMW-27	04/16/2012	74.41	-----	27.85	-----	46.56
GMW-27	07/09/2012	74.41	-----	27.94	-----	46.47
GMW-27	10/15/2012	74.41	-----	29.05	-----	45.36
GMW-27	01/14/2013	74.41	-----	29.07	-----	45.34
GMW-27	04/08/2013	74.41	-----	28.96	-----	45.45
GMW-27	10/07/2013	74.41	-----	29.45	-----	44.96
GMW-27	04/14/2014	74.41	-----	30.19	-----	44.22
GMW-27	10/27/2014	74.41	-----	30.51	-----	43.90
GMW-27	Well decommissioned in December 2014 prior to remedial excavation					
GMW-28	05/28/1996	74.62	-----	27.22	-----	47.40
GMW-28	11/20/1996	74.62	-----	27.86	-----	46.76
GMW-28	07/01/1997	74.62	-----	29.03	-----	45.59
GMW-28	12/31/1997	74.62	28.00	28.65	0.65	NC
GMW-28	05/01/1998	74.62	24.77	25.42	0.65	NC
GMW-28	08/09/1999	74.62	-----	26.64	-----	47.98
GMW-28	11/15/1999	74.62	-----	26.80	-----	47.82
GMW-28	11/13/2000	74.62	-----	27.50	-----	47.12
GMW-28	08/07/2001	74.62	-----	25.47	-----	49.15
GMW-28	11/05/2001	74.62	-----	25.85	-----	48.77
GMW-28	04/08/2002	74.62	-----	26.21	-----	48.41
GMW-28	10/21/2002	74.62	-----	26.96	-----	47.66
GMW-28	04/07/2003	74.62	-----	26.35	-----	48.27

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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-28	07/07/2003	74.68	-----	26.43	-----	48.25
GMW-28	10/06/2003	74.62	-----	26.31	-----	48.31
GMW-28	01/11/2004	74.68	-----	27.68	-----	47.00
GMW-28	01/20/2004	74.68	-----	26.85	-----	47.83
GMW-28	04/19/2004	74.68	-----	27.58	-----	47.10
GMW-28	04/27/2004	74.68	-----	27.13	-----	47.55
GMW-28	06/07/2004	74.68	-----	27.70	-----	46.98
GMW-28	07/08/2004	74.68	-----	27.59	-----	47.09
GMW-28	05/02/2005	74.68	-----	23.71	-----	50.97
GMW-28	10/31/2005	74.68	-----	25.16	-----	49.52
GMW-28	11/12/2007	74.62	-----	25.16	-----	49.46
GMW-28	04/14/2008	74.62	-----	25.50	-----	49.12
GMW-28	11/04/2008	74.62	-----	26.61	-----	48.01
GMW-28	04/20/2009	74.68	-----	26.18	-----	48.50
GMW-28	10/19/2009	74.68	-----	27.21	-----	47.47
GMW-28	05/24/2010	74.68	-----	27.11	-----	47.57
GMW-28	05/28/2010	74.68	-----	27.12	-----	47.56
GMW-28	10/04/2010	74.68	-----	27.11	-----	47.57
GMW-28	04/11/2011	74.68	-----	29.32	-----	45.36
GMW-28	10/10/2011	74.68	-----	26.41	-----	48.27
GMW-28	04/16/2012	74.68	-----	28.32	-----	46.36
GMW-28	10/15/2012	74.68	-----	28.50	-----	46.18
GMW-28	04/08/2013	74.68	-----	28.99	-----	45.69
GMW-28	10/07/2013	74.68	-----	29.46	-----	45.22
GMW-28	04/14/2014	74.68	-----	30.23	-----	44.45
GMW-28	10/27/2014	74.68	-----	31.16	-----	43.52
GMW-28	10/27/2014	74.68		30.60	-----	44.08
GMW-28	04/20/2015	74.68	----	31.23	-----	43.45
GMW-28	10/19/2015	74.68	----	32.00	-----	42.68
GMW-28	04/11/2016	74.68	----	34.10	-----	40.58
GMW-28	10/3/2016	74.68	-----	35.81	-----	38.87
GMW-29	11/20/1996	74.86	-----	30.60	-----	44.26
GMW-29	07/01/1997	74.86	-----	29.58	-----	45.28
GMW-29	12/31/1997	74.86	30.91	31.70	0.79	NC
GMW-29	05/01/1998	74.86	27.81	28.43	0.62	NC
GMW-29	05/04/1999	74.86	-----	31.35	-----	43.51
GMW-29	08/09/1999	74.86	-----	28.90	-----	45.96
GMW-29	11/13/2000	74.86	-----	31.30	-----	43.56
GMW-29	11/13/2000	74.86	-----	28.51	-----	46.35
GMW-29	05/07/2001	74.86	-----	28.64	-----	46.22
GMW-29	05/10/2001	74.86	-----	28.43	-----	46.43

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HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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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	08/07/2001	74.86	-----	28.25	-----	46.61
GMW-29	11/05/2001	74.86	-----	28.46	-----	46.40
GMW-29	04/08/2002	74.86	-----	26.54	-----	48.32
GMW-29	10/21/2002	74.86	-----	26.98	-----	47.88
GMW-29	04/07/2003	74.86	-----	29.20	-----	45.66
GMW-29	07/07/2003	77.57	-----	29.09	-----	48.48
GMW-29	10/06/2003	74.86	-----	29.00	-----	45.86
GMW-29	01/11/2004	77.57	-----	27.47	-----	50.10
GMW-29	01/20/2004	77.57	-----	29.46	-----	48.11
GMW-29	04/19/2004	77.57	-----	29.94	-----	47.63
GMW-29	04/27/2004	77.57	-----	29.80	-----	47.77
GMW-29	06/07/2004	77.57	-----	29.93	-----	47.64
GMW-29	07/08/2004	77.57	-----	30.06	-----	47.51
GMW-29	05/02/2005	77.57	-----	26.63	-----	50.94
GMW-29	10/31/2005	77.57	-----	25.42	-----	52.15
GMW-29	05/01/2006	77.57	-----	26.64	-----	50.93
GMW-29	12/04/2006	77.57	-----	27.34	-----	50.23
GMW-29	04/30/2007	77.57	-----	27.48	-----	50.09
GMW-29	11/12/2007	77.57	-----	27.95	-----	49.62
GMW-29	04/14/2008	77.57	-----	28.31	-----	49.26
GMW-29	04/14/2008	77.57	-----	29.46	-----	48.11
GMW-29	10/13/2008	77.57	-----	28.72	-----	48.85
GMW-29	04/20/2009	77.57	-----	28.86	-----	48.71
GMW-29	10/19/2009	77.57	-----	29.70	-----	47.87
GMW-29	05/24/2010	77.57	-----	29.92	-----	47.65
GMW-29	05/28/2010	77.57	-----	29.88	-----	47.69
GMW-29	10/04/2010	77.57	-----	27.30	-----	50.27
GMW-29	04/11/2011	77.57	-----	29.52	-----	48.05
GMW-29	10/10/2011	77.57	-----	26.50	-----	51.07
GMW-29	04/16/2012	77.57	-----	28.14	-----	49.43
GMW-29	10/15/2012	77.57	-----	28.41	-----	49.16
GMW-29	04/08/2013	77.57	-----	28.95	-----	48.62
GMW-29	10/07/2013	77.57	-----	30.30	-----	47.27
GMW-29	04/14/2014	77.57	-----	31.62	-----	45.95
GMW-29	10/27/2014	77.57	-----	32.42	-----	45.15
GMW-29	04/20/2015	77.57	-----	32.62	-----	44.95
GMW-29	10/27/2015	77.57	31.86	35.37	3.51	NC
GMW-29	04/11/2016	77.57	33.55	34.95	1.40	NC
GMW-29	10/3/2016	77.57	35.75	36.00	0.25	NC
GMW-30	05/28/1996	74.91	26.69	29.41	2.72	NC
GMW-30	11/20/1996	74.91	27.51	29.60	2.09	NC

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	07/01/1997	74.91	28.96	30.32	1.36	NC
GMW-30	12/31/1997	74.91	27.80	29.74	1.94	NC
GMW-30	05/01/1998	74.91	19.11	24.27	5.16	NC
GMW-30	05/04/1999	74.91	25.45	31.56	6.11	NC
GMW-30	08/09/1999	74.91	25.76	30.10	4.34	NC
GMW-30	11/15/1999	74.91	27.20	27.57	0.37	NC
GMW-30	05/15/2000	74.91	27.27	27.60	0.33	NC
GMW-30	11/13/2000	74.91	26.55	26.59	0.04	NC
GMW-30	05/07/2001	74.91	-----	28.47	-----	46.44
GMW-30	08/07/2001	74.91	-----	25.60	-----	49.31
GMW-30	11/05/2001	74.91	25.96	26.00	0.04	NC
GMW-30	04/08/2002	74.91	26.35	26.53	0.18	NC
GMW-30	10/21/2002	74.91	27.32	27.51	0.19	NC
GMW-30	04/07/2003	74.91	26.75	26.77	0.02	NC
GMW-30	10/06/2003	74.91	26.45	26.51	0.06	NC
GMW-30	01/11/2004	74.91	27.91	27.97	0.06	NC
GMW-30	04/19/2004	74.91	27.49	27.60	0.11	NC
GMW-30	05/10/2005	74.91	-----	23.63	-----	51.28
GMW-30	10/31/2005	74.91	-----	26.71	-----	48.20
GMW-30	05/01/2006	74.91	-----	23.91	-----	51.00
GMW-30	12/04/2006	74.91	-----	24.73	-----	50.18
GMW-30	04/30/2007	74.91	-----	24.99	-----	49.92
GMW-30	08/28/2007	74.91	-----	24.65	-----	50.26
GMW-30	11/12/2007	74.91	-----	25.38	-----	49.53
GMW-30	04/14/2008	74.91	-----	25.65	-----	49.26
GMW-30	11/04/2008	74.91	-----	26.52	-----	48.39
GMW-30	04/20/2009	74.91	-----	26.30	-----	48.61
GMW-30	10/19/2009	74.91	-----	27.40	-----	47.51
GMW-30	05/24/2010	74.91	-----	27.32	-----	47.59
GMW-30	05/28/2010	74.91	-----	27.18	-----	47.73
GMW-30	10/04/2010	74.91	-----	27.30	-----	47.61
GMW-30	01/10/2011	74.91	-----	28.61	-----	46.30
GMW-30	04/11/2011	74.91	-----	26.43	-----	48.48
GMW-30	10/10/2011	74.91	-----	26.55	-----	48.36
GMW-30	01/09/2012	74.91	-----	27.12	-----	47.79
GMW-30	04/16/2012	74.91	-----	29.09	-----	45.82
GMW-30	07/09/2012	74.91	-----	28.43	-----	46.48
GMW-30	10/15/2012	74.91	-----	28.40	-----	46.51
GMW-30	01/14/2013	74.91	-----	29.59	-----	45.32
GMW-30	04/08/2013	74.91	-----	29.31	-----	45.60
GMW-30	10/07/2013	74.91	-----	30.32	-----	44.59

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HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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	04/14/2014	74.91	-----	30.60	-----	44.31
GMW-30	10/27/2014	74.91	30.12	33.74	3.62	NC
GMW-30	04/20/2015	74.91	31.01	32.77	1.76	NC
GMW-30	10/19/2015	74.91	31.80	32.92	1.12	NC
GMW-30	04/11/2016	74.91	-----	34.01	-----	40.90
GMW-30	10/3/2016	74.91	-----	36.30	-----	38.61
GMW-31	05/28/1996	76.50	-----	29.31	-----	47.19
GMW-31	11/20/1996	76.50	-----	30.18	-----	46.32
GMW-31	07/01/1997	76.50	-----	30.11	-----	46.39
GMW-31	12/31/1997	76.50	-----	30.03	-----	46.47
GMW-31	05/01/1998	76.50	-----	27.26	-----	49.24
GMW-31	05/25/1999	76.50	-----	28.07	-----	48.43
GMW-31	05/15/2000	76.50	-----	28.70	-----	47.80
GMW-31	11/13/2000	76.50	-----	28.33	-----	48.17
GMW-31	05/07/2001	76.50	-----	27.48	-----	49.02
GMW-31	04/08/2002	76.50	-----	28.94	-----	47.56
GMW-31	10/21/2002	76.50	-----	28.72	-----	47.78
GMW-31	04/07/2003	76.50	-----	28.44	-----	48.06
GMW-31	10/06/2003	76.50	-----	28.48	-----	48.02
GMW-31	04/19/2004	76.50	-----	29.99	-----	46.51
GMW-31	11/01/2004	76.50	-----	29.16	-----	47.34
GMW-31	05/02/2005	76.50	-----	24.57	-----	51.93
GMW-31	05/01/2006	76.50	-----	26.10	-----	50.40
GMW-31	08/26/2006	76.50	-----	26.49	-----	50.01
GMW-31	12/01/2006	76.50	-----	26.84	-----	49.66
GMW-31	04/30/2007	76.50	-----	27.34	-----	49.16
GMW-31	11/12/2007	76.50	-----	27.91	-----	48.59
GMW-31	04/11/2008	76.50	-----	27.57	-----	48.93
GMW-31	07/24/2008	76.50	-----	27.91	-----	48.59
GMW-31	10/14/2008	76.50	-----	28.57	-----	47.93
GMW-31	02/10/2009	76.50	-----	28.87	-----	47.63
GMW-31	04/20/2009	76.50	-----	28.41	-----	48.09
GMW-31	10/19/2009	76.50	-----	29.28	-----	47.22
GMW-31	04/08/2010	76.50	-----	28.91	-----	47.59
GMW-31	04/12/2010	76.50	-----	28.71	-----	47.79
GMW-31	01/07/2011	76.50	-----	29.40	-----	47.10
GMW-31	04/08/2011	76.50	-----	28.13	-----	48.37
GMW-31	07/08/2011	76.50	-----	28.34	-----	48.16
GMW-31	10/06/2011	76.50	-----	28.87	-----	47.63
GMW-31	04/12/2012	76.50	-----	30.04	-----	46.46
GMW-31	04/16/2012	76.50	-----	29.81	-----	46.69

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	01/11/2013	76.50	-----	31.35	-----	45.15
GMW-31	04/03/2013	76.50	-----	31.26	-----	45.24
GMW-31	04/08/2013	76.50	-----	31.08	-----	45.42
GMW-31	10/02/2013	76.50	-----	31.98	-----	44.52
GMW-31	04/07/2014	76.50	-----	32.76	-----	43.74
GMW-31	04/14/2014	76.50	-----	32.36	-----	44.14
GMW-31	10/27/2014	76.50	-----	32.88	-----	43.62
GMW-31	04/20/2015	76.50	-----	33.21	-----	43.29
GMW-32	05/28/1996	74.62	-----	26.78	-----	47.84
GMW-32	11/20/1996	74.62	-----	27.79	-----	46.83
GMW-32	07/01/1997	74.62	-----	26.99	-----	47.63
GMW-32	12/31/1997	74.62	-----	27.38	-----	47.24
GMW-32	05/01/1998	74.62	-----	24.23	-----	50.39
GMW-32	05/25/1999	74.62	-----	25.52	-----	49.10
GMW-32	05/15/2000	74.62	-----	26.16	-----	48.46
GMW-32	11/13/2000	74.62	-----	26.73	-----	47.89
GMW-32	05/07/2001	74.62	-----	24.93	-----	49.69
GMW-32	02/01/2002	74.62	-----	25.35	-----	49.27
GMW-32	04/08/2002	74.62	-----	26.52	-----	48.10
GMW-32	10/21/2002	74.62	-----	27.09	-----	47.53
GMW-32	04/07/2003	74.62	-----	25.15	-----	49.47
GMW-32	10/06/2003	74.62	-----	25.89	-----	48.73
GMW-32	04/19/2004	74.62	-----	26.78	-----	47.84
GMW-32	11/01/2004	74.62	-----	27.30	-----	47.32
GMW-32	05/02/2005	74.62	-----	20.42	-----	54.20
GMW-32	03/06/2006	74.62	-----	23.10	-----	51.52
GMW-32	05/01/2006	74.62	-----	22.98	-----	51.64
GMW-32	08/26/2006	74.62	-----	23.64	-----	50.98
GMW-32	12/01/2006	74.62	-----	24.50	-----	50.12
GMW-32	03/21/2007	74.62	-----	24.51	-----	50.11
GMW-32	04/30/2007	74.62	-----	25.03	-----	49.59
GMW-32	08/28/2007	74.62	-----	24.78	-----	49.84
GMW-32	11/12/2007	74.62	-----	25.62	-----	49.00
GMW-32	02/05/2008	74.62	-----	25.93	-----	48.69
GMW-32	04/14/2008	74.62	-----	25.11	-----	49.51
GMW-32	07/24/2008	74.62	-----	25.52	-----	49.10
GMW-32	10/14/2008	74.62	-----	26.35	-----	48.27
GMW-32	02/10/2009	74.62	-----	26.15	-----	48.47
GMW-32	04/20/2009	74.62	-----	27.28	-----	47.34
GMW-32	07/16/2009	74.62	-----	26.71	-----	47.91
GMW-32	10/19/2009	74.62	-----	27.24	-----	47.38

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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	04/08/2010	74.62	-----	26.61	-----	48.01
GMW-32	04/12/2010	74.62	-----	26.82	-----	47.80
GMW-32	04/07/2011	74.62	-----	25.72	-----	48.90
GMW-32	10/06/2011	74.62	-----	26.71	-----	47.91
GMW-32	04/12/2012	74.62	-----	27.94	-----	46.68
GMW-32	04/19/2012	74.62	-----	27.83	-----	46.79
GMW-32	01/10/2013	74.62	-----	29.31	-----	45.31
GMW-32	04/03/2013	74.62	-----	29.34	-----	45.28
GMW-32	04/08/2013	74.62	-----	29.32	-----	45.30
GMW-32	10/02/2013	74.62	-----	29.98	-----	44.64
GMW-32	04/09/2014	74.62	-----	30.60	-----	44.02
GMW-32	04/16/2014	74.62	-----	30.30	-----	44.32
GMW-32	10/27/2014	74.62	-----	30.72	-----	43.90
GMW-32	Well decommissioned in December 2014 prior to remedial excavation					
GMW-33	05/28/1996	74.88	-----	27.02	-----	47.86
GMW-33	11/20/1996	74.88	-----	27.97	-----	46.91
GMW-33	07/01/1997	74.88	-----	26.84	-----	48.04
GMW-33	12/31/1997	74.88	-----	27.52	-----	47.36
GMW-33	05/01/1998	74.88	-----	24.08	-----	50.80
GMW-33	05/25/1999	74.88	-----	25.62	-----	49.26
GMW-33	05/15/2000	74.88	-----	26.50	-----	48.38
GMW-33	11/13/2000	74.88	-----	26.90	-----	47.98
GMW-33	05/07/2001	74.88	-----	25.18	-----	49.70
GMW-33	02/01/2002	74.88	-----	25.32	-----	49.56
GMW-33	04/08/2002	74.88	-----	26.55	-----	48.33
GMW-33	10/21/2002	74.88	-----	27.15	-----	47.73
GMW-33	04/07/2003	74.88	-----	26.22	-----	48.66
GMW-33	10/06/2003	74.88	-----	26.06	-----	48.82
GMW-33	04/19/2004	74.88	-----	28.89	-----	45.99
GMW-33	11/01/2004	74.88	-----	27.47	-----	47.41
GMW-33	05/02/2005	74.88	-----	21.50	-----	53.38
GMW-33	03/06/2006	74.88	-----	23.94	-----	50.94
GMW-33	05/01/2006	74.88	-----	23.90	-----	50.98
GMW-33	08/26/2006	74.88	-----	24.38	-----	50.50
GMW-33	12/01/2006	74.88	-----	24.90	-----	49.98
GMW-33	03/21/2007	74.88	-----	25.61	-----	49.27
GMW-33	04/30/2007	74.88	-----	25.44	-----	49.44
GMW-33	08/28/2007	74.88	-----	25.94	-----	48.94
GMW-33	11/12/2007	74.88	-----	25.97	-----	48.91
GMW-33	02/05/2008	74.88	-----	26.87	-----	48.01
GMW-33	04/11/2008	74.88	-----	25.58	-----	49.30

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	07/24/2008	74.88	-----	26.11	-----	48.77
GMW-33	10/13/2008	74.88	-----	26.93	-----	47.95
GMW-33	02/10/2009	74.88	-----	27.05	-----	47.83
GMW-33	07/16/2009	74.88	-----	27.41	-----	47.47
GMW-33	04/07/2010	74.88	-----	26.82	-----	48.06
GMW-33	10/01/2010	74.88	-----	27.43	-----	47.45
GMW-34	05/28/1996	75.25	26.83	30.96	4.13	NC
GMW-34	11/20/1996	75.25	27.69	31.87	4.18	NC
GMW-34	07/01/1997	75.25	28.10	32.06	3.96	NC
GMW-34	12/31/1997	75.25	27.88	31.81	3.93	NC
GMW-34	05/01/1998	75.25	25.66	25.92	0.26	NC
GMW-34	05/25/1999	75.25	-----	26.80	-----	48.45
GMW-34	05/15/2000	75.25	-----	27.46	-----	47.79
GMW-34	11/13/2000	75.25	-----	27.05	-----	48.20
GMW-34	05/07/2001	75.25	-----	26.12	-----	49.13
GMW-34	04/08/2002	75.25	-----	27.26	-----	47.99
GMW-34	10/21/2002	75.25	-----	27.64	-----	47.61
GMW-34	04/07/2003	75.25	-----	26.98	-----	48.27
GMW-34	10/06/2003	75.25	-----	27.03	-----	48.22
GMW-34	04/19/2004	75.25	-----	28.53	-----	46.72
GMW-34	11/01/2004	75.25	-----	28.26	-----	46.99
GMW-34	05/02/2005	75.25	-----	22.79	-----	52.46
GMW-34	05/01/2006	75.25	-----	24.50	-----	50.75
GMW-34	12/01/2006	75.25	-----	25.56	-----	49.69
GMW-34	04/30/2007	75.25	-----	25.88	-----	49.37
GMW-34	10/01/2010	75.25	-----	27.85	-----	47.40
GMW-35	05/28/1996	76.12	27.54	32.06	4.52	NC
GMW-35	11/20/1996	76.12	28.69	33.01	4.32	NC
GMW-35	07/01/1997	76.12	27.75	31.38	3.63	NC
GMW-35	12/31/1997	76.12	28.10	32.18	4.08	NC
GMW-35	05/01/1998	76.12	24.97	25.28	0.31	NC
GMW-35	05/25/1999	76.12	26.93	27.65	0.72	NC
GMW-35	05/15/2000	76.12	27.67	28.26	0.59	NC
GMW-35	11/13/2000	76.12	-----	29.38	-----	46.74
GMW-35	05/07/2001	76.12	-----	26.80	-----	49.32
GMW-35	04/08/2002	76.12	-----	28.39	-----	47.73
GMW-35	09/19/2002	76.12	28.56	28.95	0.39	NC
GMW-35	10/21/2002	76.12	-----	29.03	-----	47.09
GMW-35	04/07/2003	76.12	28.10	28.15	0.05	NC
GMW-35	10/06/2003	76.12	-----	27.58	-----	48.54
GMW-35	04/19/2004	76.12	28.46	28.49	0.03	NC

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	11/01/2004	76.12	28.71	28.78	0.07	NC
GMW-35	02/28/2005	76.12	-----	24.73	-----	51.39
GMW-35	05/02/2005	76.12	-----	23.26	-----	52.86
GMW-35	03/06/2006	76.12	-----	25.14	-----	50.98
GMW-35	05/01/2006	76.12	-----	25.37	-----	50.75
GMW-35	08/26/2006	76.12	-----	25.83	-----	50.29
GMW-35	12/01/2006	76.12	-----	26.27	-----	49.85
GMW-35	03/21/2007	76.12	-----	26.72	-----	49.40
GMW-35	04/30/2007	76.12	-----	26.74	-----	49.38
GMW-35	08/28/2007	76.12	-----	27.02	-----	49.10
GMW-35	11/12/2007	76.12	-----	27.32	-----	48.80
GMW-35	02/05/2008	76.12	-----	27.98	-----	48.14
GMW-35	04/14/2008	76.12	-----	26.85	-----	49.27
GMW-35	10/13/2008	76.12	28.28	28.31	0.03	NC
GMW-35	02/10/2009	76.12	-----	27.70	-----	48.42
GMW-35	04/20/2009	76.12	-----	28.94	-----	47.18
GMW-35	07/17/2009	76.12	-----	28.12	-----	48.00
GMW-35	04/08/2010	76.12	-----	27.07	-----	49.05
GMW-35	04/12/2010	76.12	-----	28.41	-----	47.71
GMW-35	10/01/2010	76.12	-----	28.73	-----	47.39
GMW-35	01/08/2011	76.12	29.03	29.04	0.01	NC
GMW-35	04/12/2012	76.12	29.44	29.51	0.07	NC
GMW-35	04/20/2012	76.12	-----	29.38	-----	46.74
GMW-35	04/05/2013	76.12	30.61	30.83	0.22	NC
GMW-35	04/08/2013	76.12	30.58	30.80	0.22	NC
GMW-35	10/02/2013	76.12	31.38	31.71	0.33	NC
GMW-35	04/09/2014	76.12	31.95	31.97	0.02	NC
GMW-35	04/16/2014	76.12	31.95	32.15	0.20	NC
GMW-35	10/27/2014	76.12	32.16	32.18	0.02	NC
GMW-35	Well decommissioned in December 2014 prior to remedial excavation					
GMW-36	05/28/1996	74.53	25.71	26.88	1.17	NC
GMW-36	11/20/1996	74.53	26.56	26.82	0.26	NC
GMW-36	07/01/1997	74.53	25.09	25.71	0.62	NC
GMW-36	12/31/1997	74.53	-----	26.74	-----	47.79
GMW-36	05/04/1999	74.53	-----	23.68	-----	50.85
GMW-36	08/09/1999	74.53	-----	24.80	-----	49.73
GMW-36	11/15/1999	74.53	-----	25.48	-----	49.05
GMW-36	05/15/2000	74.53	-----	25.01	-----	49.52
GMW-36	11/13/2000	74.53	-----	25.96	-----	48.57
GMW-36	02/05/2001	74.53	-----	25.41	-----	49.12
GMW-36	05/07/2001	74.53	-----	23.37	-----	51.16

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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-36	05/10/2001	74.53	-----	23.43	-----	51.10
GMW-36	09/18/2001	74.53	-----	23.95	-----	50.58
GMW-36	11/05/2001	74.53	-----	24.24	-----	50.29
GMW-36	01/29/2002	74.53	-----	24.60	-----	49.93
GMW-36	04/08/2002	74.53	-----	24.92	-----	49.61
GMW-36	07/29/2002	74.53	-----	25.92	-----	48.61
GMW-36	10/21/2002	74.53	25.54	29.46	3.92	NC
GMW-36	11/04/2002	74.53	25.55	29.05	3.50	NC
GMW-36	01/27/2003	74.53	26.75	28.02	1.27	NC
GMW-36	04/07/2003	74.53	26.63	27.47	0.84	NC
GMW-36	05/02/2005	74.53	20.03	21.23	1.20	NC
GMW-36	10/31/2005	74.53	22.69	22.73	0.04	NC
GMW-36	05/01/2006	74.53	22.80	22.91	0.11	NC
GMW-36	12/04/2006	74.53	-----	23.86	-----	50.67
GMW-36	03/12/2007	74.53	-----	24.29	-----	50.24
GMW-36	04/30/2007	74.53	-----	24.40	-----	50.13
GMW-36	08/28/2007	74.53	-----	24.31	-----	50.22
GMW-36	11/12/2007	74.53	24.85	24.86	0.01	NC
GMW-36	02/19/2008	74.53	-----	25.50	-----	49.03
GMW-36	04/14/2008	74.53	-----	24.61	-----	49.92
GMW-36	08/08/2008	74.53	26.14	26.20	0.06	NC
GMW-36	10/16/2008	74.77	26.09	26.11	0.02	NC
GMW-36	04/20/2009	74.53	25.59	25.63	0.04	NC
GMW-36	07/20/2009	74.53	-----	25.90	-----	48.63
GMW-36	10/19/2009	74.53	26.45	26.56	0.11	NC
GMW-36	03/15/2010	74.53	-----	26.80	-----	47.73
GMW-36	04/16/2010	74.53	-----	26.90	-----	47.63
GMW-36	05/24/2010	74.53	25.90	25.96	0.06	NC
GMW-36	05/28/2010	74.53	25.88	25.94	0.06	NC
GMW-36	06/22/2010	74.53	25.91	25.94	0.03	NC
GMW-36	10/04/2010	74.53	-----	26.90	-----	47.63
GMW-36	11/23/2010	74.53	27.10	27.35	0.25	NC
GMW-36	12/22/2010	74.53	26.84	28.35	1.51	NC
GMW-36	01/10/2011	74.53	27.70	29.10	1.40	NC
GMW-36	04/12/2011	74.53	25.05	26.98	1.93	NC
GMW-36	10/10/2011	74.53	-----	25.96	-----	48.57
GMW-36	12/21/2011	74.53	-----	28.17	-----	46.36
GMW-36	01/09/2012	74.53	-----	27.26	-----	47.27
GMW-36	02/23/2012	74.53	-----	27.85	-----	46.68
GMW-36	04/16/2012	74.53	-----	27.34	-----	47.19
GMW-36	06/15/2012	76.66	-----	33.27	-----	43.39

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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-36	07/09/2012	76.66	-----	33.71	-----	42.95
GMW-36	10/15/2012	76.66	-----	32.11	-----	44.55
GMW-36	11/29/2012	76.66	31.68	33.93	2.25	NC
GMW-36	12/26/2012	76.66	30.36	34.86	4.50	NC
GMW-36	01/14/2013	76.66	30.42	34.12	3.70	NC
GMW-36	04/10/2013	76.66	29.75	32.42	2.67	NC
GMW-36	10/07/2013	76.66	30.72	34.65	3.93	NC
GMW-36	04/25/2014	76.66	31.12	34.71	3.59	NC
GMW-36	10/27/2014	76.66	31.79	33.02	1.23	NC
GMW-36	04/20/2015	76.66	32.20	33.64	1.44	NC
GMW-36	10/21/2015	76.66	33.16	33.55	0.39	NC
GMW-36	04/12/2016	76.66	34.03	34.30	0.27	NC
GMW-36	10/3/2016	76.66	34.65	35.05	0.40	NC
GMW-37	11/20/1996	77.32	-----	29.76	-----	47.56
GMW-37	07/01/1997	77.32	-----	28.37	-----	48.95
GMW-37	12/31/1997	77.32	-----	28.71	-----	48.61
GMW-37	05/03/1999	77.32	-----	27.76	-----	49.56
GMW-37	08/09/1999	77.32	-----	28.10	-----	49.22
GMW-37	11/15/1999	77.32	-----	28.57	-----	48.75
GMW-37	05/15/2000	77.32	-----	28.19	-----	49.13
GMW-37	11/13/2000	77.32	-----	28.89	-----	48.43
GMW-37	02/05/2001	77.32	-----	28.65	-----	48.67
GMW-37	05/07/2001	77.32	-----	26.94	-----	50.38
GMW-37	09/18/2001	77.32	-----	27.43	-----	49.89
GMW-37	11/05/2001	77.32	-----	27.56	-----	49.76
GMW-37	01/29/2002	77.32	-----	27.89	-----	49.43
GMW-37	04/08/2002	77.32	-----	27.94	-----	49.38
GMW-37	10/21/2002	77.32	-----	29.11	-----	48.21
GMW-37	01/27/2003	77.32	-----	28.74	-----	48.58
GMW-37	04/07/2003	77.32	-----	28.30	-----	49.02
GMW-37	07/31/2003	77.32	-----	28.02	-----	49.30
GMW-37	10/06/2003	77.32	-----	27.92	-----	49.40
GMW-37	01/11/2004	77.32	-----	29.62	-----	47.70
GMW-37	01/27/2004	77.32	-----	28.81	-----	48.51
GMW-37	04/19/2004	77.32	-----	28.91	-----	48.41
GMW-37	07/19/2004	77.32	-----	28.91	-----	48.41
GMW-37	02/01/2005	77.32	-----	27.77	-----	49.55
GMW-37	05/02/2005	77.32	-----	23.34	-----	53.98
GMW-37	08/01/2005	77.32	-----	24.61	-----	52.71
GMW-37	10/31/2005	77.32	-----	25.35	-----	51.97
GMW-37	02/27/2006	77.32	-----	25.81	-----	51.51

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-37	05/01/2006	77.32	-----	25.86	-----	51.46
GMW-37	09/18/2006	77.32	-----	24.62	-----	52.70
GMW-37	12/04/2006	77.32	-----	26.83	-----	50.49
GMW-37	04/30/2007	77.32	-----	27.18	-----	50.14
GMW-37	11/12/2007	77.32	-----	27.61	-----	49.71
GMW-37	04/14/2008	77.32	-----	27.60	-----	49.72
GMW-37	10/13/2008	77.32	-----	28.56	-----	48.76
GMW-37	04/20/2009	77.32	-----	28.54	-----	48.78
GMW-37	10/19/2009	77.32	-----	29.47	-----	47.85
GMW-37	05/24/2010	77.32	-----	29.25	-----	48.07
GMW-37	05/28/2010	77.32	-----	29.20	-----	48.12
GMW-37	10/04/2010	77.32	-----	29.50	-----	47.82
GMW-37	01/10/2011	77.32	-----	29.90	-----	47.42
GMW-37	04/11/2011	77.32	-----	28.31	-----	49.01
GMW-37	10/10/2011	77.32	-----	29.00	-----	48.32
GMW-37	01/09/2012	77.32	-----	29.72	-----	47.60
GMW-37	04/16/2012	77.32	-----	30.10	-----	47.22
GMW-37	07/09/2012	77.32	-----	30.86	-----	46.46
GMW-37	10/15/2012	77.32	-----	30.90	-----	46.42
GMW-37	01/14/2013	77.32	-----	31.79	-----	45.53
GMW-37	04/08/2013	77.32	-----	31.69	-----	45.63
GMW-37	10/07/2013	77.32	-----	32.51	-----	44.81
GMW-37	04/14/2014	77.32	-----	32.55	-----	44.77
GMW-37	10/27/2014	77.32	-----	32.57	-----	44.75
GMW-37	04/20/2015	77.32	-----	33.51	-----	43.81
GMW-37	10/19/2015	77.32	-----	34.11	-----	43.21
GMW-37	04/11/2016	77.32	-----	35.20	-----	42.12
GMW-37	10/3/2016	77.32	-----	35.10	-----	42.22
GMW-38	05/28/1996	75.47	-----	27.15	-----	48.32
GMW-38	11/20/1996	75.47	-----	28.09	-----	47.38
GMW-38	05/03/1999	75.47	-----	26.08	-----	49.39
GMW-38	08/09/1999	75.47	-----	26.42	-----	49.05
GMW-38	11/15/1999	75.47	-----	26.97	-----	48.50
GMW-38	05/15/2000	75.47	-----	26.53	-----	48.94
GMW-38	11/13/2000	75.47	-----	27.24	-----	48.23
GMW-38	05/07/2001	75.47	-----	25.14	-----	50.33
GMW-38	11/05/2001	75.47	-----	25.84	-----	49.63
GMW-38	02/01/2002	75.47	-----	25.91	-----	49.56
GMW-38	04/08/2002	75.47	-----	26.52	-----	48.95
GMW-38	10/21/2002	75.47	-----	27.39	-----	48.08
GMW-38	01/27/2003	75.47	-----	27.05	-----	48.42

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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	04/07/2003	75.47	-----	26.47	-----	49.00
GMW-38	07/31/2003	75.47	-----	26.26	-----	49.21
GMW-38	10/06/2003	75.47	-----	26.51	-----	48.96
GMW-38	01/11/2004	75.47	-----	27.91	-----	47.56
GMW-38	01/27/2004	75.47	-----	27.04	-----	48.43
GMW-38	04/19/2004	75.47	-----	27.15	-----	48.32
GMW-38	07/19/2004	75.47	-----	27.26	-----	48.21
GMW-38	02/01/2005	75.47	-----	25.99	-----	49.48
GMW-38	05/02/2005	75.47	-----	28.53	-----	46.94
GMW-38	08/01/2005	75.47	-----	22.91	-----	52.56
GMW-38	10/31/2005	75.47	-----	23.65	-----	51.82
GMW-38	02/27/2006	75.47	-----	24.04	-----	51.43
GMW-38	05/01/2006	75.47	-----	24.09	-----	51.38
GMW-38	09/18/2006	75.47	-----	24.85	-----	50.62
GMW-38	12/04/2006	75.47	-----	25.07	-----	50.40
GMW-38	03/12/2007	75.47	-----	25.48	-----	49.99
GMW-38	04/30/2007	75.47	-----	25.42	-----	50.05
GMW-38	08/28/2007	75.47	-----	25.29	-----	50.18
GMW-38	11/12/2007	75.47	-----	25.89	-----	49.58
GMW-38	04/14/2008	75.47	-----	25.81	-----	49.66
GMW-38	10/13/2008	75.47	-----	26.72	-----	48.75
GMW-38	04/20/2009	75.47	-----	27.05	-----	48.42
GMW-38	07/20/2009	75.47	-----	27.21	-----	48.26
GMW-38	10/19/2009	75.47	-----	27.78	-----	47.69
GMW-38	03/15/2010	75.47	-----	27.92	-----	47.55
GMW-38	05/24/2010	75.47	-----	27.50	-----	47.97
GMW-38	05/28/2010	75.47	-----	27.40	-----	48.07
GMW-38	10/04/2010	75.47	-----	27.77	-----	47.70
GMW-38	01/10/2011	75.47	-----	28.00	-----	47.47
GMW-38	04/11/2011	75.47	-----	26.49	-----	48.98
GMW-38	07/11/2011	75.47	-----	26.83	-----	48.64
GMW-38	10/10/2011	75.47	-----	27.28	-----	48.19
GMW-38	01/09/2012	75.47	-----	27.90	-----	47.57
GMW-38	04/16/2012	75.47	-----	28.32	-----	47.15
GMW-38	07/09/2012	75.47	-----	28.97	-----	46.50
GMW-38	10/15/2012	75.47	-----	29.75	-----	45.72
GMW-38	01/14/2013	75.47	-----	30.18	-----	45.29
GMW-38	04/08/2013	75.47	-----	30.07	-----	45.40
GMW-38	10/07/2013	75.47	-----	30.31	-----	45.16
GMW-38	04/14/2014	75.47	-----	30.76	-----	44.71
GMW-38	10/27/2014	75.47	-----	31.16	-----	44.31

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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	04/20/2015	75.47	-----	31.59	-----	43.88
GMW-38	10/19/2015	75.47	-----	32.33	-----	43.14
GMW-38	04/11/2016	75.47	-----	33.45	-----	42.02
GMW-38	10/3/2016	75.47	-----	34.10	-----	41.37
GMW-39	05/28/1996	75.05	-----	26.67	-----	48.38
GMW-39	11/20/1996	75.05	-----	27.68	-----	47.37
GMW-39	05/03/1999	75.05	-----	25.50	-----	49.55
GMW-39	08/09/1999	75.05	-----	25.99	-----	49.06
GMW-39	11/15/1999	75.05	-----	26.52	-----	48.53
GMW-39	05/15/2000	75.05	-----	25.95	-----	49.10
GMW-39	11/13/2000	75.05	-----	26.88	-----	48.17
GMW-39	05/07/2001	75.05	-----	24.64	-----	50.41
GMW-39	11/05/2001	75.05	-----	25.28	-----	49.77
GMW-39	02/01/2002	75.05	-----	25.20	-----	49.85
GMW-39	04/08/2002	75.05	-----	26.11	-----	48.94
GMW-39	10/21/2002	75.05	-----	27.19	-----	47.86
GMW-39	01/27/2003	75.05	-----	26.67	-----	48.38
GMW-39	04/07/2003	75.05	-----	26.05	-----	49.00
GMW-39	07/31/2003	75.05	-----	25.79	-----	49.26
GMW-39	10/06/2003	75.05	-----	26.04	-----	49.01
GMW-39	01/11/2004	75.05	-----	27.54	-----	47.51
GMW-39	01/27/2004	75.05	-----	26.63	-----	48.42
GMW-39	04/19/2004	75.05	-----	26.04	-----	49.01
GMW-39	07/19/2004	75.05	-----	26.78	-----	48.27
GMW-39	02/01/2005	75.05	-----	25.41	-----	49.64
GMW-39	05/02/2005	75.05	-----	20.34	-----	54.71
GMW-39	08/01/2005	75.05	-----	22.23	-----	52.82
GMW-39	10/31/2005	75.05	-----	22.90	-----	52.15
GMW-39	02/27/2006	75.05	-----	23.48	-----	51.57
GMW-39	05/01/2006	75.05	-----	23.60	-----	51.45
GMW-39	09/18/2006	75.05	-----	24.37	-----	50.68
GMW-39	12/04/2006	75.05	-----	24.64	-----	50.41
GMW-39	03/12/2007	75.05	-----	25.12	-----	49.93
GMW-39	04/30/2007	75.05	-----	25.12	-----	49.93
GMW-39	08/28/2007	75.05	-----	25.15	-----	49.90
GMW-39	11/12/2007	75.05	-----	25.62	-----	49.43
GMW-39	02/19/2008	75.05	-----	25.91	-----	49.14
GMW-39	04/14/2008	75.05	-----	25.44	-----	49.61
GMW-39	08/11/2008	75.05	-----	26.21	-----	48.84
GMW-39	10/13/2008	75.05	-----	26.51	-----	48.54
GMW-39	04/20/2009	75.05	-----	26.43	-----	48.62

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	07/20/2009	75.05	-----	26.85	-----	48.20
GMW-39	10/19/2009	75.05	-----	27.58	-----	47.47
GMW-39	03/15/2010	75.05	-----	27.41	-----	47.64
GMW-39	05/24/2010	75.05	-----	27.12	-----	47.93
GMW-39	05/28/2010	75.05	-----	27.09	-----	47.96
GMW-39	10/04/2010	75.05	-----	27.38	-----	47.67
GMW-39	01/10/2011	75.05	-----	27.63	-----	47.42
GMW-39	04/11/2011	75.05	-----	25.92	-----	49.13
GMW-39	07/11/2011	75.05	-----	26.55	-----	48.50
GMW-39	10/10/2011	75.05	-----	26.85	-----	48.20
GMW-39	01/09/2012	75.05	-----	28.44	-----	46.61
GMW-39	04/16/2012	75.05	-----	28.04	-----	47.01
GMW-39	07/09/2012	75.05	-----	28.62	-----	46.43
GMW-39	10/15/2012	75.05	-----	29.58	-----	45.47
GMW-39	01/14/2013	75.05	-----	29.72	-----	45.33
GMW-39	04/08/2013	75.05	-----	29.71	-----	45.34
GMW-39	10/07/2013	75.05	-----	29.92	-----	45.13
GMW-39	04/14/2014	75.05	-----	30.25	-----	44.80
GMW-39	04/20/2015	75.05	-----	31.04	-----	44.01
GMW-39	10/19/2015	75.05	-----	31.87	-----	43.18
GMW-39	04/11/2016	75.05	-----	32.80	-----	42.25
GMW-39	10/3/2016	75.05	-----	33.20	-----	41.85
GMW-40	05/28/1996	73.13	-----	26.00	-----	47.13
GMW-40	11/20/1996	73.13	-----	26.74	-----	46.39
GMW-40	07/01/1997	73.13	-----	27.43	-----	45.70
GMW-40	12/31/1997	73.13	-----	26.66	-----	46.47
GMW-40	05/01/1998	73.13	-----	24.03	-----	49.10
GMW-40	05/25/1999	73.13	-----	24.84	-----	48.29
GMW-40	05/15/2000	73.13	-----	25.65	-----	47.48
GMW-40	11/13/2000	73.13	-----	26.21	-----	46.92
GMW-40	05/07/2001	73.13	-----	24.26	-----	48.87
GMW-40	04/08/2002	73.13	-----	25.14	-----	47.99
GMW-40	10/21/2002	73.13	-----	25.49	-----	47.64
GMW-40	04/07/2003	73.13	-----	24.60	-----	48.53
GMW-40	10/06/2003	73.13	-----	25.02	-----	48.11
GMW-40	04/19/2004	73.13	-----	26.59	-----	46.54
GMW-40	11/05/2004	73.13	-----	24.10	-----	49.03
GMW-40	05/02/2005	73.13	-----	21.17	-----	51.96
GMW-40	05/01/2006	73.13	-----	22.54	-----	50.59
GMW-40	12/01/2006	73.13	-----	23.51	-----	49.62
GMW-40	04/30/2007	73.13	-----	23.74	-----	49.39

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	11/12/2007	73.13	-----	24.60	-----	48.53
GMW-40	04/11/2008	73.13	-----	24.09	-----	49.04
GMW-40	10/14/2008	73.13	-----	25.01	-----	48.12
GMW-40	02/10/2009	73.13	-----	25.05	-----	48.08
GMW-40	04/20/2009	73.13	-----	27.40	-----	45.73
GMW-40	10/19/2009	73.13	-----	26.00	-----	47.13
GMW-40	04/08/2010	73.13	-----	25.31	-----	47.82
GMW-40	04/12/2010	73.13	-----	25.20	-----	47.93
GMW-40	10/01/2010	73.13	-----	25.83	-----	47.30
GMW-40	10/04/2010	73.13	-----	25.70	-----	47.43
GMW-40	10/10/2011	73.13	-----	25.13	-----	48.00
GMW-40	04/12/2012	73.13	-----	26.48	-----	46.65
GMW-40	10/02/2013	73.13	-----	28.57	-----	44.56
GMW-40	04/07/2014	73.13	-----	30.24	-----	42.89
GMW-40	04/14/2014	73.13	-----	29.92	-----	43.21
GMW-40	10/27/2014	73.13	-----	30.03	-----	43.10
GMW-40	04/20/2015	73.13	-----	30.46	-----	42.67
GMW-40	10/3/2016	73.13	-----	34.98	-----	38.15
GMW-41	05/28/1996	74.46	-----	27.01	-----	47.45
GMW-41	11/20/1996	74.46	-----	27.92	-----	46.54
GMW-41	07/01/1997	74.46	-----	28.31	-----	46.15
GMW-41	12/31/1997	74.46	-----	27.81	-----	46.65
GMW-41	05/01/1998	74.46	-----	25.10	-----	49.36
GMW-41	05/25/1999	74.46	-----	26.02	-----	48.44
GMW-41	05/15/2000	74.46	-----	26.69	-----	47.77
GMW-41	11/13/2000	74.46	-----	27.32	-----	47.14
GMW-41	05/07/2001	74.46	-----	25.45	-----	49.01
GMW-41	04/08/2002	74.46	-----	26.36	-----	48.10
GMW-41	10/21/2002	74.46	-----	26.85	-----	47.61
GMW-41	04/07/2003	74.46	-----	26.15	-----	48.31
GMW-41	10/06/2003	74.46	-----	26.22	-----	48.24
GMW-41	04/19/2004	74.46	-----	27.64	-----	46.82
GMW-41	11/01/2004	74.46	-----	27.54	-----	46.92
GMW-41	05/02/2005	74.46	-----	22.28	-----	52.18
GMW-41	05/01/2006	74.46	-----	23.87	-----	50.59
GMW-41	12/01/2006	74.46	-----	24.71	-----	49.75
GMW-41	04/30/2007	74.46	-----	25.06	-----	49.40
GMW-41	11/12/2007	74.46	-----	25.87	-----	48.59
GMW-41	04/11/2008	74.46	-----	25.44	-----	49.02
GMW-41	07/24/2008	74.46	-----	25.80	-----	48.66
GMW-41	10/14/2008	74.46	-----	26.35	-----	48.11

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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	02/10/2009	74.46	-----	26.58	-----	47.88
GMW-41	04/20/2009	74.46	-----	26.61	-----	47.85
GMW-41	10/19/2009	74.46	-----	27.34	-----	47.12
GMW-41	04/08/2010	74.46	-----	26.64	-----	47.82
GMW-41	04/12/2010	74.46	-----	26.44	-----	48.02
GMW-41	10/04/2010	74.46	-----	26.91	-----	47.55
GMW-41	01/07/2011	74.46	-----	27.58	-----	46.88
GMW-41	04/08/2011	74.46	-----	26.01	-----	48.45
GMW-41	07/08/2011	74.46	-----	26.01	-----	48.45
GMW-41	10/06/2011	74.46	-----	26.61	-----	47.85
GMW-41	10/10/2011	74.46	-----	26.53	-----	47.93
GMW-41	04/12/2012	74.46	-----	27.77	-----	46.69
GMW-41	04/16/2012	74.46	-----	27.54	-----	46.92
GMW-41	01/11/2013	74.46	-----	29.47	-----	44.99
GMW-41	04/03/2013	74.46	-----	29.29	-----	45.17
GMW-41	04/08/2013	74.46	-----	29.16	-----	45.30
GMW-41	10/02/2013	74.46	-----	29.89	-----	44.57
GMW-41	04/07/2014	74.46	31.05	31.07	0.02	NC
GMW-41	04/15/2014	74.46	31.05	31.14	0.09	NC
GMW-41	10/27/2014	74.46	-----	30.78	-----	43.68
GMW-41	04/20/2015	74.46	-----	31.22	-----	43.24
GMW-41	10/3/2016	74.46	-----	35.97	-----	38.49
GMW-42	05/28/1996	75.50	27.89	29.36	1.47	NC
GMW-42	11/20/1996	75.50	28.87	29.55	0.68	NC
GMW-42	07/01/1997	75.50	29.06	29.52	0.46	NC
GMW-42	12/31/1997	75.50	-----	28.87	-----	46.63
GMW-42	05/01/1998	75.50	-----	26.18	-----	49.32
GMW-42	05/25/1999	75.50	-----	26.99	-----	48.51
GMW-42	05/15/2000	75.50	-----	27.54	-----	47.96
GMW-42	11/13/2000	75.50	-----	28.32	-----	47.18
GMW-42	05/07/2001	75.50	-----	26.25	-----	49.25
GMW-42	04/08/2002	75.50	-----	27.57	-----	47.93
GMW-42	10/21/2002	75.50	-----	27.96	-----	47.54
GMW-42	04/07/2003	75.50	-----	27.25	-----	48.25
GMW-42	10/06/2003	75.50	-----	27.30	-----	48.20
GMW-42	04/19/2004	75.50	-----	28.78	-----	46.72
GMW-42	11/01/2004	75.50	-----	28.40	-----	47.10
GMW-42	05/03/2005	75.50	-----	22.32	-----	53.18
GMW-42	05/01/2006	75.50	-----	24.46	-----	51.04
GMW-42	12/01/2006	75.50	-----	23.51	-----	51.99
GMW-42	04/30/2007	75.50	-----	26.07	-----	49.43

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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	11/12/2007	75.50	-----	26.38	-----	49.12
GMW-42	04/11/2008	75.50	-----	25.95	-----	49.55
GMW-42	10/16/2008	75.50	-----	26.92	-----	48.58
GMW-42	04/07/2010	75.50	-----	27.60	-----	47.90
GMW-42	10/01/2010	75.50	-----	28.13	-----	47.37
GMW-42	01/08/2011	75.50	-----	28.03	-----	47.47
GMW-42	04/12/2012	75.50	-----	28.88	-----	46.62
GMW-42	10/02/2013	75.50	-----	30.99	-----	44.51
GMW-42	04/07/2014	75.50	-----	31.98	-----	43.52
GMW-42	04/14/2014	75.50	-----	31.42	-----	44.08
GMW-42	10/27/2014	75.50	-----	31.93	-----	43.57
GMW-42	04/20/2015	75.50	-----	32.21	-----	43.29
GMW-43	05/28/1996	74.44	-----	27.03	-----	47.41
GMW-43	11/20/1996	74.44	-----	28.03	-----	46.41
GMW-43	07/01/1997	74.44	-----	27.66	-----	46.78
GMW-43	12/31/1997	74.44	-----	27.70	-----	46.74
GMW-43	05/01/1998	74.44	-----	24.93	-----	49.51
GMW-43	05/25/1999	74.44	-----	25.72	-----	48.72
GMW-43	05/15/2000	74.44	-----	26.41	-----	48.03
GMW-43	11/13/2000	74.44	-----	26.97	-----	47.47
GMW-43	05/07/2001	74.44	-----	25.11	-----	49.33
GMW-43	04/08/2002	74.44	-----	26.70	-----	47.74
GMW-43	10/21/2002	74.44	-----	26.66	-----	47.78
GMW-43	04/07/2003	74.44	-----	26.00	-----	48.44
GMW-43	10/06/2003	74.44	-----	26.12	-----	48.32
GMW-43	04/19/2004	74.44	-----	27.40	-----	47.04
GMW-43	11/03/2004	74.44	-----	26.63	-----	47.81
GMW-43	05/02/2005	74.44	-----	21.03	-----	53.41
GMW-43	05/01/2006	74.44	-----	23.36	-----	51.08
GMW-43	12/01/2006	74.44	-----	24.59	-----	49.85
GMW-43	04/30/2007	74.44	-----	25.00	-----	49.44
GMW-43	11/12/2007	74.44	-----	25.60	-----	48.84
GMW-43	04/14/2008	74.44	-----	25.17	-----	49.27
GMW-43	07/24/2008	74.44	-----	25.77	-----	48.67
GMW-43	10/14/2008	74.44	-----	26.34	-----	48.10
GMW-43	02/10/2009	74.44	-----	26.79	-----	47.65
GMW-43	04/20/2009	74.44	-----	27.11	-----	47.33
GMW-43	10/19/2009	74.44	-----	27.31	-----	47.13
GMW-43	04/08/2010	74.44	-----	26.52	-----	47.92
GMW-43	04/12/2010	74.44	-----	26.24	-----	48.20
GMW-43	01/08/2011	74.44	-----	26.95	-----	47.49

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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	04/07/2011	74.44	-----	25.76	-----	48.68
GMW-43	07/08/2011	74.44	-----	26.10	-----	48.34
GMW-43	10/06/2011	74.44	-----	26.65	-----	47.79
GMW-43	04/12/2012	74.44	-----	27.86	-----	46.58
GMW-43	04/16/2012	74.44	-----	27.74	-----	46.70
GMW-43	01/10/2013	74.44	-----	29.27	-----	45.17
GMW-43	04/03/2013	74.44	-----	29.24	-----	45.20
GMW-43	04/08/2013	74.44	-----	29.11	-----	45.33
GMW-43	10/02/2013	74.44	-----	30.00	-----	44.44
GMW-43	04/07/2014	74.44	-----	30.81	-----	43.63
GMW-43	04/14/2014	74.44	-----	30.42	-----	44.02
GMW-43	10/27/2014	74.44	-----	30.87	-----	43.57
GMW-43	04/20/2015	74.44	-----	31.24	-----	43.20
GMW-44	05/28/1996	74.45	-----	27.19	-----	47.26
GMW-44	11/20/1996	74.45	-----	28.29	-----	46.16
GMW-44	07/01/1997	74.45	-----	27.75	-----	46.70
GMW-44	12/31/1997	74.45	-----	27.90	-----	46.55
GMW-44	05/01/1998	74.45	-----	25.13	-----	49.32
GMW-44	05/25/1999	74.45	-----	25.88	-----	48.57
GMW-44	05/15/2000	74.45	-----	26.63	-----	47.82
GMW-44	11/13/2000	74.45	-----	27.16	-----	47.29
GMW-44	05/07/2001	74.45	-----	25.38	-----	49.07
GMW-44	04/08/2002	74.45	-----	26.70	-----	47.75
GMW-44	10/21/2002	74.45	-----	26.88	-----	47.57
GMW-44	04/07/2003	74.45	-----	26.30	-----	48.15
GMW-44	10/06/2003	74.45	-----	26.29	-----	48.16
GMW-44	04/19/2004	74.45	-----	28.45	-----	46.00
GMW-44	05/02/2005	74.45	-----	22.00	-----	52.45
GMW-44	11/03/2005	74.45	-----	27.21	-----	47.24
GMW-44	05/01/2006	74.45	-----	23.98	-----	50.47
GMW-44	12/01/2006	74.45	-----	24.81	-----	49.64
GMW-44	04/30/2007	74.45	-----	25.32	-----	49.13
GMW-44	11/12/2007	74.45	-----	25.82	-----	48.63
GMW-44	04/14/2008	74.45	-----	25.45	-----	49.00
GMW-44	07/24/2008	74.45	-----	25.95	-----	48.50
GMW-44	10/14/2008	74.45	-----	26.60	-----	47.85
GMW-44	02/10/2009	74.45	-----	26.87	-----	47.58
GMW-44	04/20/2009	74.45	-----	26.51	-----	47.94
GMW-44	10/19/2009	74.45	-----	27.43	-----	47.02
GMW-44	04/08/2010	74.45	-----	26.77	-----	47.68
GMW-44	04/12/2010	74.45	-----	26.51	-----	47.94

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	01/07/2011	74.45	-----	27.47	-----	46.98
GMW-44	04/08/2011	74.45	-----	26.05	-----	48.40
GMW-44	10/06/2011	74.45	-----	26.91	-----	47.54
GMW-44	04/12/2012	74.45	-----	28.13	-----	46.32
GMW-44	04/16/2012	74.45	-----	27.92	-----	46.53
GMW-44	01/10/2013	74.45	-----	29.54	-----	44.91
GMW-44	04/03/2013	74.45	-----	29.51	-----	44.94
GMW-44	04/08/2013	74.45	-----	29.42	-----	45.03
GMW-44	10/02/2013	74.45	-----	30.25	-----	44.20
GMW-44	04/07/2014	74.45	-----	31.06	-----	43.39
GMW-44	04/14/2014	74.45	-----	30.72	-----	43.73
GMW-44	10/27/2014	74.45	-----	31.10	-----	43.35
GMW-44	04/20/2015	74.45	-----	31.46	-----	42.99
GMW-44	10/3/2016	74.45	-----	33.62	-----	40.83
GMW-45	05/28/1996	75.67	-----	28.30	-----	47.37
GMW-45	11/20/1996	75.67	-----	29.21	-----	46.46
GMW-45	07/01/1997	75.67	-----	28.32	-----	47.35
GMW-45	12/31/1997	75.67	-----	28.81	-----	46.86
GMW-45	05/01/1998	75.67	-----	25.75	-----	49.92
GMW-45	05/25/1999	75.67	-----	26.74	-----	48.93
GMW-45	05/15/2000	75.67	-----	27.68	-----	47.99
GMW-45	11/13/2000	75.67	-----	28.02	-----	47.65
GMW-45	05/07/2001	75.67	-----	28.65	-----	47.02
GMW-45	04/08/2002	75.67	-----	27.92	-----	47.75
GMW-45	10/21/2002	75.67	-----	28.33	-----	47.34
GMW-45	04/07/2003	75.67	-----	27.50	-----	48.17
GMW-45	10/06/2003	75.67	-----	27.26	-----	48.41
GMW-45	04/19/2004	75.67	-----	28.17	-----	47.50
GMW-45	11/01/2004	75.67	-----	28.35	-----	47.32
GMW-45	05/02/2005	75.67	-----	23.15	-----	52.52
GMW-45	03/06/2006	75.67	-----	25.21	-----	50.46
GMW-45	05/01/2006	75.67	-----	25.15	-----	50.52
GMW-45	08/26/2006	75.67	-----	25.53	-----	50.14
GMW-45	12/01/2006	75.67	-----	25.96	-----	49.71
GMW-45	03/21/2007	75.67	-----	26.09	-----	49.58
GMW-45	04/27/2007	75.67	-----	26.48	-----	49.19
GMW-45	08/28/2007	75.67	-----	26.42	-----	49.25
GMW-45	11/12/2007	75.67	-----	26.94	-----	48.73
GMW-45	02/05/2008	74.45	-----	27.52	-----	46.93
GMW-45	04/11/2008	75.67	-----	26.76	-----	48.91
GMW-45	07/24/2008	75.67	-----	27.27	-----	48.40

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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	10/13/2008	75.67	-----	27.95	-----	47.72
GMW-45	02/09/2009	74.45	-----	27.68	-----	46.77
GMW-45	04/20/2009	75.67	-----	27.58	-----	48.09
GMW-45	07/16/2009	75.67	-----	27.91	-----	47.76
GMW-45	10/19/2009	75.67	-----	28.54	-----	47.13
GMW-45	04/07/2010	75.67	-----	28.22	-----	47.45
GMW-45	04/12/2010	75.67	-----	27.85	-----	47.82
GMW-45	01/06/2011	75.67	-----	28.75	-----	46.92
GMW-45	04/07/2011	75.67	-----	27.38	-----	48.29
GMW-45	07/07/2011	75.67	-----	27.63	-----	48.04
GMW-45	10/07/2011	75.67	-----	28.22	-----	47.45
GMW-45	04/12/2012	75.67	-----	29.30	-----	46.37
GMW-45	04/19/2012	75.67	-----	29.02	-----	46.65
GMW-45	01/10/2013	75.67	-----	30.35	-----	45.32
GMW-45	04/02/2013	75.67	-----	30.34	-----	45.33
GMW-45	04/08/2013	75.67	-----	30.29	-----	45.38
GMW-45	10/01/2013	75.67	31.07	31.09	0.02	NC
GMW-45	04/09/2014	75.67	31.67	31.69	0.02	NC
GMW-45	04/15/2014	75.67	31.68	31.95	0.27	NC
GMW-45	10/27/2014	75.67	-----	32.01	-----	43.66
GMW-45	04/20/2015	75.67	32.31	32.33	0.02	NC
GMW-45	10/3/2016	ns	-----	34.60	-----	-----
GMW-46	08/26/2006	76.10	-----	24.72	-----	51.38
GMW-46	08/28/2007	75.31	-----	25.89	-----	49.42
GMW-47	05/28/1996	75.98	-----	28.45	-----	47.53
GMW-47	11/20/1996	75.98	-----	29.43	-----	46.55
GMW-47	07/01/1997	75.98	-----	28.34	-----	47.64
GMW-47	12/31/1997	75.98	-----	28.90	-----	47.08
GMW-47	05/01/1998	75.98	-----	25.79	-----	50.19
GMW-47	05/25/1999	75.98	-----	26.91	-----	49.07
GMW-47	05/15/2000	75.98	-----	27.61	-----	48.37
GMW-47	11/13/2000	75.98	-----	28.13	-----	47.85
GMW-47	02/05/2001	75.98	-----	27.17	-----	48.81
GMW-47	05/07/2001	75.98	-----	26.71	-----	49.27
GMW-47	04/08/2002	75.98	-----	27.21	-----	48.77
GMW-47	09/19/2002	75.98	-----	28.50	-----	47.48
GMW-47	10/21/2002	75.98	-----	29.04	-----	46.94
GMW-47	04/07/2003	75.98	-----	27.82	-----	48.16
GMW-47	10/06/2003	75.98	-----	27.44	-----	48.54
GMW-47	04/19/2004	75.98	-----	28.27	-----	47.71
GMW-47	11/01/2004	75.98	-----	28.60	-----	47.38

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	02/28/2005	75.98	-----	24.87	-----	51.11
GMW-47	05/02/2005	75.98	-----	23.17	-----	52.81
GMW-47	03/06/2006	75.98	-----	24.67	-----	51.31
GMW-47	05/01/2006	75.98	-----	25.16	-----	50.82
GMW-47	08/26/2006	75.98	-----	25.62	-----	50.36
GMW-47	12/01/2006	75.98	-----	26.15	-----	49.83
GMW-47	03/21/2007	75.98	-----	26.30	-----	49.68
GMW-47	04/27/2007	75.98	-----	26.71	-----	49.27
GMW-47	08/28/2007	75.98	-----	26.74	-----	49.24
GMW-47	11/12/2007	75.98	-----	27.12	-----	48.86
GMW-47	02/05/2008	75.98	-----	27.75	-----	48.23
GMW-47	04/11/2008	75.98	-----	26.93	-----	49.05
GMW-47	07/24/2008	75.98	-----	27.49	-----	48.49
GMW-47	10/13/2008	75.98	-----	28.19	-----	47.79
GMW-47	02/09/2009	75.98	-----	28.07	-----	47.91
GMW-47	04/20/2009	75.98	-----	27.66	-----	48.32
GMW-47	07/16/2009	75.98	-----	28.22	-----	47.76
GMW-47	07/20/2009	75.98	-----	28.10	-----	47.88
GMW-47	10/19/2009	75.98	-----	28.48	-----	47.50
GMW-47	01/11/2010	75.98	-----	29.10	-----	46.88
GMW-47	04/12/2010	75.98	-----	28.52	-----	47.46
GMW-47	01/06/2011	75.98	-----	29.05	-----	46.93
GMW-47	04/07/2011	75.98	-----	27.50	-----	48.48
GMW-47	07/07/2011	75.98	-----	27.83	-----	48.15
GMW-47	10/06/2011	75.98	-----	28.41	-----	47.57
GMW-47	01/10/2012	75.98	-----	28.71	-----	47.27
GMW-47	04/12/2012	75.98	-----	29.55	-----	46.43
GMW-47	04/20/2012	75.98	-----	29.26	-----	46.72
GMW-47	01/10/2013	75.98	-----	30.57	-----	45.41
GMW-47	04/02/2013	75.98	-----	30.55	-----	45.43
GMW-47	04/08/2013	75.98	-----	30.55	-----	45.43
GMW-47	10/01/2013	75.98	-----	31.28	-----	44.70
GMW-47	04/09/2014	75.98	-----	31.79	-----	44.19
GMW-47	04/15/2014	75.98	-----	31.62	-----	44.36
GMW-47	10/27/2014	75.98	-----	32.11	-----	43.87
GMW-47	04/20/2015	75.98	-----	32.45	-----	43.53
GMW-47	10/19/2015	75.98	-----	33.26	-----	42.72
GMW-47	04/11/2016	75.98	-----	33.79	-----	42.19
GMW-47	10/3/2016	75.98	-----	34.25	-----	41.73
GMW-48	05/28/1996	75.03	-----	27.40	-----	47.63
GMW-48	11/20/1996	75.03	-----	28.40	-----	46.63

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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	07/01/1997	75.03	27.11	27.58	0.47	NC
GMW-48	12/31/1997	75.03	27.37	29.58	2.21	NC
GMW-48	05/01/1998	75.03	23.63	24.46	0.83	NC
GMW-48	05/26/1999	75.03	25.72	27.01	1.29	NC
GMW-48	05/15/2000	75.03	26.31	26.49	0.18	NC
GMW-48	11/13/2000	75.03	-----	27.21	-----	47.82
GMW-48	05/07/2001	75.03	25.65	26.10	0.45	NC
GMW-48	09/19/2002	75.03	-----	26.50	-----	48.53
GMW-48	10/21/2002	75.03	-----	27.10	-----	47.93
GMW-48	04/07/2003	75.03	25.89	25.90	0.01	NC
GMW-48	10/06/2003	75.03	-----	25.59	-----	49.44
GMW-48	04/19/2004	75.03	-----	26.41	-----	48.62
GMW-48	11/01/2004	75.03	-----	26.90	-----	48.13
GMW-48	02/28/2005	75.03	-----	23.00	-----	52.03
GMW-48	05/02/2005	75.03	-----	20.80	-----	54.23
GMW-48	03/06/2006	75.03	-----	23.61	-----	51.42
GMW-48	05/01/2006	75.03	-----	23.07	-----	51.96
GMW-48	08/26/2006	75.03	-----	23.50	-----	51.53
GMW-48	12/01/2006	75.03	-----	24.54	-----	50.49
GMW-48	03/21/2007	75.03	-----	24.57	-----	50.46
GMW-48	04/27/2007	75.03	-----	24.85	-----	50.18
GMW-48	08/28/2007	75.03	-----	24.92	-----	50.11
GMW-48	11/12/2007	75.03	-----	25.37	-----	49.66
GMW-48	04/11/2008	75.03	-----	25.07	-----	49.96
GMW-48	10/13/2008	75.03	-----	26.39	-----	48.64
GMW-48	04/07/2010	75.03	-----	26.40	-----	48.63
GMW-48	10/01/2010	75.03	-----	26.89	-----	48.14
GMW-48	01/06/2011	75.03	-----	27.29	-----	47.74
GMW-48	04/07/2011	75.03	-----	25.53	-----	49.50
GMW-48	07/07/2011	75.03	-----	25.89	-----	49.14
GMW-48	10/06/2011	75.03	-----	26.55	-----	48.48
GMW-48	04/13/2012	75.03	-----	27.48	-----	47.55
GMW-48	01/10/2013	75.03	-----	28.77	-----	46.26
GMW-48	04/03/2013	75.03	-----	28.77	-----	46.26
GMW-48	10/02/2013	75.03	-----	29.45	-----	45.58
GMW-48	04/09/2014	75.03	-----	29.90	-----	45.13
GMW-48	04/17/2014	75.03	-----	29.82	-----	45.21
GMW-48	10/27/2014	75.03	-----	30.17	-----	44.86
GMW-48	04/20/2015	75.03	-----	30.50	-----	44.53
GMW-48	10/19/2015	75.03	-----	31.31	-----	43.72
GMW-48	10/3/2016	ns	-----	37.03	-----	-----

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	05/25/1999	75.51	-----	26.36	-----	49.15
GMW-50	05/15/2000	75.51	-----	27.34	-----	48.17
GMW-50	05/07/2001	75.51	25.95	26.26	0.31	NC
GMW-50	09/19/2002	75.51	-----	27.82	-----	47.69
GMW-50	10/21/2002	75.51	-----	28.70	-----	46.81
GMW-50	04/07/2003	75.51	-----	27.00	-----	48.51
GMW-50	10/06/2003	75.51	-----	26.83	-----	48.68
GMW-50	04/19/2004	75.51	-----	27.66	-----	47.85
GMW-50	11/01/2004	75.51	-----	28.11	-----	47.40
GMW-50	02/28/2005	75.51	-----	23.80	-----	51.71
GMW-50	05/02/2005	75.51	-----	22.42	-----	53.09
GMW-50	03/06/2006	75.51	-----	24.53	-----	50.98
GMW-50	05/01/2006	75.51	-----	24.63	-----	50.88
GMW-50	08/26/2006	75.51	-----	25.10	-----	50.41
GMW-50	12/01/2006	75.51	-----	25.61	-----	49.90
GMW-50	03/21/2007	75.51	-----	25.75	-----	49.76
GMW-50	04/27/2007	75.51	-----	26.17	-----	49.34
GMW-50	08/28/2007	75.51	-----	26.15	-----	49.36
GMW-50	11/12/2007	75.51	-----	26.58	-----	48.93
GMW-50	02/05/2008	75.51	-----	27.24	-----	48.27
GMW-50	04/11/2008	75.51	-----	26.32	-----	49.19
GMW-50	07/24/2008	75.51	-----	26.97	-----	48.54
GMW-50	10/13/2008	75.51	-----	27.67	-----	47.84
GMW-50	02/09/2009	75.51	-----	27.40	-----	48.11
GMW-50	07/16/2009	75.51	-----	27.87	-----	47.64
GMW-50	04/07/2010	75.51	-----	27.68	-----	47.83
GMW-50	10/01/2010	75.51	-----	28.16	-----	47.35
GMW-50	01/06/2011	75.51	-----	28.58	-----	46.93
GMW-50	04/12/2012	75.51	-----	29.00	-----	46.51
GMW-50	04/14/2016	75.51	-----	33.36	-----	42.15
GMW-51	05/25/1999	75.93	-----	26.71	-----	49.22
GMW-51	05/15/2000	75.93	-----	27.70	-----	48.23
GMW-51	11/13/2000	75.93	-----	27.94	-----	47.99
GMW-51	05/07/2001	75.93	26.43	28.44	2.01	NC
GMW-51	09/19/2002	75.93	-----	28.22	-----	47.71
GMW-51	10/21/2002	75.93	-----	29.13	-----	46.80
GMW-51	04/07/2003	75.93	-----	27.55	-----	48.38
GMW-51	10/06/2003	75.93	-----	27.15	-----	48.78
GMW-51	04/19/2004	75.93	-----	27.99	-----	47.94
GMW-51	11/01/2004	75.93	-----	28.47	-----	47.46
GMW-51	02/28/2005	75.93	-----	24.24	-----	51.69

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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-51	05/02/2005	75.93	-----	22.61	-----	53.32
GMW-51	03/06/2006	75.93	-----	25.02	-----	50.91
GMW-51	05/01/2006	75.93	-----	25.04	-----	50.89
GMW-51	08/26/2006	75.93	-----	25.51	-----	50.42
GMW-51	12/01/2006	75.93	-----	25.98	-----	49.95
GMW-51	03/21/2007	75.93	-----	26.12	-----	49.81
GMW-51	04/27/2007	75.93	-----	26.54	-----	49.39
GMW-51	08/28/2007	75.93	-----	26.50	-----	49.43
GMW-51	11/12/2007	75.93	-----	26.95	-----	48.98
GMW-51	02/05/2008	75.93	-----	27.59	-----	48.34
GMW-51	04/11/2008	75.93	-----	26.69	-----	49.24
GMW-51	07/24/2008	75.93	-----	27.15	-----	48.78
GMW-51	10/13/2008	75.93	-----	28.05	-----	47.88
GMW-51	02/09/2009	75.93	-----	27.49	-----	48.44
GMW-51	07/16/2009	75.93	-----	28.15	-----	47.78
GMW-51	04/07/2010	75.93	-----	28.08	-----	47.85
GMW-51	10/01/2010	75.93	-----	28.49	-----	47.44
GMW-51	01/06/2011	75.93	-----	28.96	-----	46.97
GMW-51	04/12/2012	75.93	-----	29.41	-----	46.52
GMW-52	05/25/1999	75.03	-----	25.73	-----	49.30
GMW-52	05/15/2000	75.03	-----	26.33	-----	48.70
GMW-52	11/13/2000	75.03	-----	26.99	-----	48.04
GMW-52	05/07/2001	75.03	-----	25.15	-----	49.88
GMW-52	04/08/2002	75.03	-----	26.61	-----	48.42
GMW-52	10/21/2002	75.03	-----	27.15	-----	47.88
GMW-52	04/07/2003	75.03	-----	26.34	-----	48.69
GMW-52	10/06/2003	75.03	-----	26.21	-----	48.82
GMW-52	04/19/2004	75.03	-----	26.97	-----	48.06
GMW-52	11/01/2004	75.03	-----	27.62	-----	47.41
GMW-52	05/02/2005	75.03	-----	21.16	-----	53.87
GMW-52	03/06/2006	75.03	-----	23.95	-----	51.08
GMW-52	05/01/2006	75.03	-----	23.95	-----	51.08
GMW-52	08/26/2006	75.03	-----	24.40	-----	50.63
GMW-52	12/01/2006	75.03	-----	24.92	-----	50.11
GMW-52	03/21/2007	75.03	-----	25.17	-----	49.86
GMW-52	04/30/2007	75.03	-----	25.38	-----	49.65
GMW-52	08/28/2007	75.03	-----	25.80	-----	49.23
GMW-52	11/12/2007	75.03	-----	25.93	-----	49.10
GMW-52	02/05/2008	75.03	-----	26.71	-----	48.32
GMW-52	04/14/2008	75.03	-----	25.46	-----	49.57
GMW-52	07/24/2008	75.03	-----	25.89	-----	49.14

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	10/14/2008	75.03	-----	26.69	-----	48.34
GMW-52	02/10/2009	75.03	-----	26.95	-----	48.08
GMW-52	07/16/2009	75.03	-----	27.25	-----	47.78
GMW-52	04/08/2010	75.03	-----	26.71	-----	48.32
GMW-52	10/01/2010	75.03	-----	27.42	-----	47.61
GMW-52	01/08/2011	75.03	-----	27.77	-----	47.26
GMW-52	04/12/2012	75.03	-----	28.96	-----	46.07
GMW-53	05/25/1999	74.90	-----	25.60	-----	49.30
GMW-53	05/15/2000	74.90	-----	26.20	-----	48.70
GMW-53	05/07/2001	74.90	-----	25.00	-----	49.90
GMW-53	04/08/2002	74.90	-----	26.47	-----	48.43
GMW-53	10/21/2002	74.90	-----	27.04	-----	47.86
GMW-53	04/07/2003	74.90	-----	26.24	-----	48.66
GMW-53	10/06/2003	74.90	-----	26.08	-----	48.82
GMW-53	04/19/2004	74.90	-----	26.83	-----	48.07
GMW-53	11/01/2004	74.90	-----	27.54	-----	47.36
GMW-53	05/02/2005	74.90	-----	21.34	-----	53.56
GMW-53	03/06/2006	74.90	-----	23.87	-----	51.03
GMW-53	05/01/2006	74.90	-----	23.85	-----	51.05
GMW-53	08/26/2006	74.90	-----	24.34	-----	50.56
GMW-53	12/01/2006	74.90	-----	24.85	-----	50.05
GMW-53	03/21/2007	74.90	-----	24.92	-----	49.98
GMW-53	04/30/2007	74.90	-----	25.26	-----	49.64
GMW-53	08/28/2007	74.90	-----	25.11	-----	49.79
GMW-53	11/12/2007	74.90	-----	25.83	-----	49.07
GMW-53	02/05/2008	74.90	-----	26.25	-----	48.65
GMW-53	04/14/2008	74.90	-----	25.38	-----	49.52
GMW-53	10/14/2008	74.90	-----	26.58	-----	48.32
GMW-53	02/10/2009	74.90	-----	26.78	-----	48.12
GMW-53	07/16/2009	74.90	-----	27.04	-----	47.86
GMW-53	04/08/2010	74.90	26.83	26.84	0.01	NC
GMW-53	10/01/2010	74.90	-----	27.29	-----	47.61
GMW-53	01/08/2011	74.90	-----	27.67	-----	47.23
GMW-53	04/12/2012	74.90	-----	28.15	-----	46.75
GMW-54	05/25/1999	75.16	-----	26.68	-----	48.48
GMW-54	05/15/2000	75.16	-----	27.40	-----	47.76
GMW-54	11/13/2000	75.16	-----	26.93	-----	48.23
GMW-54	05/07/2001	75.16	-----	25.63	-----	49.53
GMW-54	04/08/2002	75.16	-----	27.06	-----	48.10
GMW-54	10/21/2002	75.16	-----	27.43	-----	47.73
GMW-54	04/07/2003	75.16	-----	26.78	-----	48.38

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-54	10/06/2003	75.16	-----	26.95	-----	48.21
GMW-54	04/19/2004	75.16	-----	28.33	-----	46.83
GMW-54	11/01/2004	75.16	-----	28.11	-----	47.05
GMW-54	05/02/2005	75.16	-----	22.06	-----	53.10
GMW-54	05/01/2006	75.16	-----	24.45	-----	50.71
GMW-54	12/01/2006	75.16	-----	25.36	-----	49.80
GMW-54	04/30/2007	75.16	-----	25.74	-----	49.42
GMW-54	11/12/2007	75.16	-----	26.35	-----	48.81
GMW-54	04/11/2008	75.16	-----	25.91	-----	49.25
GMW-54	07/24/2008	75.16	-----	26.05	-----	49.11
GMW-54	10/14/2008	75.16	-----	26.94	-----	48.22
GMW-54	02/10/2009	75.16	-----	26.78	-----	48.38
GMW-54	04/08/2010	75.16	-----	27.25	-----	47.91
GMW-54	10/01/2010	75.16	-----	27.68	-----	47.48
GMW-54	01/07/2011	75.16	-----	28.14	-----	47.02
GMW-54	04/12/2012	75.16	-----	28.36	-----	46.80
GMW-54	10/02/2013	75.16	-----	30.50	-----	44.66
GMW-54	04/07/2014	75.16	-----	31.62	-----	43.54
GMW-54	10/27/2014	75.16	-----	31.43	-----	43.73
GMW-54	04/20/2015	75.16	-----	31.84	-----	43.32
GMW-55	05/25/1999	74.60	-----	26.11	-----	48.49
GMW-55	05/15/2000	74.60	-----	26.83	-----	47.77
GMW-55	11/13/2000	74.60	-----	26.36	-----	48.24
GMW-55	05/07/2001	74.60	-----	24.91	-----	49.69
GMW-55	04/08/2002	74.60	-----	26.43	-----	48.17
GMW-55	10/21/2002	74.60	-----	26.85	-----	47.75
GMW-55	04/07/2003	74.60	-----	26.22	-----	48.38
GMW-55	10/06/2003	74.60	-----	26.35	-----	48.25
GMW-55	04/19/2004	74.60	-----	27.77	-----	46.83
GMW-55	11/01/2004	74.60	-----	27.59	-----	47.01
GMW-55	05/02/2005	74.60	-----	22.33	-----	52.27
GMW-55	05/01/2006	74.60	-----	23.94	-----	50.66
GMW-55	12/01/2006	74.60	-----	24.78	-----	49.82
GMW-55	04/30/2007	74.60	-----	25.11	-----	49.49
GMW-55	11/12/2007	74.60	-----	25.89	-----	48.71
GMW-55	04/11/2008	74.60	-----	25.46	-----	49.14
GMW-55	10/14/2008	74.60	-----	26.38	-----	48.22
GMW-55	04/20/2009	74.60	-----	28.31	-----	46.29
GMW-55	04/08/2010	74.60	-----	26.66	-----	47.94
GMW-55	10/01/2010	74.60	-----	27.15	-----	47.45
GMW-55	01/07/2011	74.60	-----	27.61	-----	46.99

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-56	07/07/2011	76.52	-----	28.45	-----	48.07
GMW-56	10/07/2011	76.52	-----	28.98	-----	47.54
GMW-56	04/12/2012	76.52	-----	30.04	-----	46.48
GMW-56	01/10/2013	76.52	-----	31.05	-----	45.47
GMW-56	04/02/2013	76.52	-----	31.04	-----	45.48
GMW-56	10/01/2013	76.52	-----	31.78	-----	44.74
GMW-56	04/09/2014	76.52	-----	32.40	-----	44.12
GMW-56	04/14/2014	76.52	-----	32.28	-----	44.24
GMW-56	10/27/2014	76.52	-----	32.77	-----	43.75
GMW-56	04/20/2015	76.52	-----	33.10	-----	43.42
GMW-56	04/11/2016	76.52	-----	34.33	-----	42.19
GMW-56	10/3/2016	76.52	-----	34.73	-----	41.79
GMW-57	07/07/2011	76.66	-----	28.53	-----	48.13
GMW-57	10/06/2011	76.66	-----	29.12	-----	47.54
GMW-57	01/09/2012	76.66	-----	29.48	-----	47.18
GMW-57	04/12/2012	76.66	-----	30.15	-----	46.51
GMW-57	04/17/2012	76.66	-----	29.85	-----	46.81
GMW-57	01/10/2013	76.66	-----	31.18	-----	45.48
GMW-57	04/02/2013	76.66	-----	31.18	-----	45.48
GMW-57	04/08/2013	76.66	-----	31.04	-----	45.62
GMW-57	10/01/2013	76.66	-----	31.88	-----	44.78
GMW-57	04/09/2014	76.66	-----	32.34	-----	44.32
GMW-57	04/15/2014	76.66	-----	32.02	-----	44.64
GMW-57	10/27/2014	76.66	-----	32.69	-----	43.97
GMW-57	04/20/2015	76.66	-----	33.02	-----	43.64
GMW-57	10/19/2015	76.66	-----	33.84	-----	42.82
GMW-57	04/13/2016	76.66	-----	34.43	-----	42.23
GMW-57	10/3/2016	76.66	-----	34.86	-----	41.80
GMW-58	07/08/2011	75.48	-----	26.46	-----	49.02
GMW-58	10/06/2011	75.48	-----	27.11	-----	48.37
GMW-58	01/10/2012	75.48	-----	27.42	-----	48.06
GMW-58	04/12/2012	75.48	-----	28.20	-----	47.28
GMW-58	04/18/2012	75.48	-----	27.86	-----	47.62
GMW-58	01/11/2013	75.48	-----	29.26	-----	46.22
GMW-58	04/03/2013	75.48	-----	29.23	-----	46.25
GMW-58	04/08/2013	75.48	-----	29.17	-----	46.31
GMW-58	10/02/2013	75.48	-----	29.90	-----	45.58
GMW-58	04/09/2014	75.48	-----	30.37	-----	45.11
GMW-58	04/16/2014	75.48	-----	30.20	-----	45.28
GMW-58	10/27/2014	75.48	-----	30.69	-----	44.79
GMW-58	04/20/2015	75.48	-----	31.01	-----	44.47

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-58	11/05/2015	75.48	32.18	32.25	0.07	NC
GMW-58	04/13/2016	75.48	-----	32.42	-----	43.06
GMW-59	07/07/2011	75.28	-----	25.69	-----	49.59
GMW-59	10/06/2011	75.28	-----	26.35	-----	48.93
GMW-59	01/10/2012	75.28	-----	26.80	-----	48.48
GMW-59	04/12/2012	75.28	27.55	27.56	0.01	NC
GMW-59	04/20/2012	75.28	-----	27.28	-----	48.00
GMW-59	01/10/2013	75.28	-----	28.60	-----	46.68
GMW-59	04/03/2013	75.28	-----	28.62	-----	46.66
GMW-59	04/08/2013	75.28	-----	29.02	-----	46.26
GMW-59	10/01/2013	75.28	-----	29.35	-----	45.93
GMW-59	04/09/2014	75.28	-----	29.65	-----	45.63
GMW-59	04/17/2014	75.28	-----	29.65	-----	45.63
GMW-59	10/27/2014	75.28	-----	29.92	-----	45.36
GMW-59	04/20/2015	75.28	-----	30.26	-----	45.02
GMW-59	10/19/2015	75.28	-----	31.31	sheen	43.97
GMW-59	04/13/2016	75.28	-----	31.77	-----	43.51
GMW-59	10/3/2016	75.28	-----	32.24	-----	43.04
GMW-60	11/01/2004	76.24	-----	28.70	-----	47.54
GMW-60	02/28/2005	76.24	-----	24.90	-----	51.34
GMW-60	05/02/2005	76.24	-----	23.04	-----	53.20
GMW-60	03/06/2006	76.24	-----	25.30	-----	50.94
GMW-60	05/01/2006	76.24	-----	25.54	-----	50.70
GMW-60	08/26/2006	76.24	-----	25.87	-----	50.37
GMW-60	12/01/2006	76.24	-----	26.34	-----	49.90
GMW-60	03/21/2007	76.24	-----	26.75	-----	49.49
GMW-60	04/27/2007	76.24	-----	26.94	-----	49.30
GMW-60	08/28/2007	76.24	-----	27.03	-----	49.21
GMW-60	11/12/2007	76.24	-----	27.41	-----	48.83
GMW-60	02/05/2008	76.24	-----	27.92	-----	48.32
GMW-60	04/11/2008	76.24	-----	27.05	-----	49.19
GMW-60	07/24/2008	76.24	-----	27.64	-----	48.60
GMW-60	10/13/2008	76.24	-----	28.46	-----	47.78
GMW-60	02/09/2009	76.24	-----	28.27	-----	47.97
GMW-60	04/20/2009	76.24	-----	28.21	-----	48.03
GMW-60	07/16/2009	76.24	-----	28.37	-----	47.87
GMW-60	07/20/2009	76.24	-----	28.61	-----	47.63
GMW-60	10/19/2009	76.24	-----	28.81	-----	47.43
GMW-60	01/11/2010	76.24	-----	29.53	-----	46.71
GMW-60	04/07/2010	76.24	-----	28.54	-----	47.70
GMW-60	04/12/2010	76.24	-----	28.04	-----	48.20

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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-60	01/08/2011	76.24	-----	29.09	-----	47.15
GMW-60	04/08/2011	76.24	-----	27.53	-----	48.71
GMW-60	07/07/2011	76.24	-----	28.02	-----	48.22
GMW-60	10/06/2011	76.24	-----	28.65	-----	47.59
GMW-60	01/10/2012	76.24	-----	28.46	-----	47.78
GMW-60	04/12/2012	76.24	-----	29.65	-----	46.59
GMW-60	04/20/2012	76.24	-----	29.47	-----	46.77
GMW-60	01/11/2013	76.24	-----	30.65	-----	45.59
GMW-60	04/03/2013	76.24	-----	30.62	-----	45.62
GMW-60	04/08/2013	76.24	-----	31.28	-----	44.96
GMW-60	10/01/2013	76.24	-----	31.35	-----	44.89
GMW-60	04/09/2014	76.24	-----	31.78	-----	44.46
GMW-60	04/17/2014	76.24	-----	31.42	-----	44.82
GMW-60	10/27/2014	76.24	-----	32.15	-----	44.09
GMW-60	04/20/2015	76.24	-----	32.42	-----	43.82
GMW-60	10/20/2015	76.24	-----	33.34	-----	42.90
GMW-60	04/13/2016	76.24	-----	33.91	-----	42.33
GMW-60	10/3/2016	76.24	-----	34.37	-----	41.87
GMW-61	11/01/2004	75.60	-----	28.02	-----	47.58
GMW-61	02/28/2005	75.60	-----	23.81	-----	51.79
GMW-61	05/02/2005	75.60	-----	22.18	-----	53.42
GMW-61	03/06/2006	75.60	-----	24.53	-----	51.07
GMW-61	05/01/2006	75.60	-----	24.64	-----	50.96
GMW-61	08/26/2006	75.60	-----	25.13	-----	50.47
GMW-61	12/01/2006	75.60	-----	25.60	-----	50.00
GMW-61	03/21/2007	75.60	-----	26.01	-----	49.59
GMW-61	04/27/2007	75.60	-----	26.25	-----	49.35
GMW-61	08/28/2007	75.60	-----	26.21	-----	49.39
GMW-61	11/12/2007	75.60	-----	26.67	-----	48.93
GMW-61	02/05/2008	75.60	-----	27.17	-----	48.43
GMW-61	04/11/2008	75.60	-----	26.29	-----	49.31
GMW-61	07/24/2008	75.60	-----	27.01	-----	48.59
GMW-61	10/13/2008	75.60	-----	27.73	-----	47.87
GMW-61	02/09/2009	75.60	-----	27.56	-----	48.04
GMW-61	04/20/2009	75.60	-----	27.14	-----	48.46
GMW-61	07/16/2009	75.60	-----	27.69	-----	47.91
GMW-61	07/20/2009	75.60	-----	27.84	-----	47.76
GMW-61	10/19/2009	75.60	-----	28.22	-----	47.38
GMW-61	01/11/2010	75.60	-----	28.81	-----	46.79
GMW-61	04/07/2010	75.60	-----	27.67	-----	47.93
GMW-61	04/12/2010	75.60	-----	27.22	-----	48.38

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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-61	01/08/2011	75.60	-----	28.37	-----	47.23
GMW-61	04/08/2011	75.60	-----	26.68	-----	48.92
GMW-61	07/07/2011	75.60	-----	27.23	-----	48.37
GMW-61	10/06/2011	75.60	-----	27.92	-----	47.68
GMW-61	01/10/2012	75.60	-----	28.41	-----	47.19
GMW-61	04/12/2012	75.60	-----	29.06	-----	46.54
GMW-61	04/19/2012	75.60	-----	28.71	-----	46.89
GMW-61	01/11/2013	75.60	-----	30.05	-----	45.55
GMW-61	04/03/2013	75.60	-----	30.11	-----	45.49
GMW-61	04/08/2013	75.60	-----	30.01	-----	45.59
GMW-61	10/02/2013	75.60	-----	30.70	-----	44.90
GMW-61	04/09/2014	75.60	-----	31.11	-----	44.49
GMW-61	04/17/2014	75.60	-----	30.78	-----	44.82
GMW-61	10/27/2014	75.60	-----	31.39	-----	44.21
GMW-61	04/20/2015	75.60	-----	31.72	-----	43.88
GMW-61	10/20/2015	75.60	32.65	32.67	0.02	NC
GMW-61	04/13/2016	75.60	-----	33.20	-----	42.40
GMW-61	10/3/2016	76.24	-----	33.72	-----	42.52
GMW-62	07/02/2007	76.34	-----	27.03	-----	49.31
GMW-62	02/05/2008	76.34	-----	27.79	-----	48.55
GMW-62	04/14/2008	76.34	-----	26.87	-----	49.47
GMW-62	07/24/2008	76.34	-----	27.98	-----	48.36
GMW-62	10/14/2008	76.34	-----	28.24	-----	48.10
GMW-62	02/10/2009	76.34	-----	28.31	-----	48.03
GMW-62	04/20/2009	76.34	-----	27.94	-----	48.40
GMW-62	07/17/2009	76.34	-----	28.15	-----	48.19
GMW-62	07/21/2009	76.34	-----	28.30	-----	48.04
GMW-62	10/19/2009	76.34	-----	29.00	-----	47.34
GMW-62	01/11/2010	76.34	-----	29.51	-----	46.83
GMW-62	04/12/2010	76.34	-----	28.24	-----	48.10
GMW-62	01/10/2011	76.34	28.78	29.08	0.30	NC
GMW-62	04/07/2011	76.34	26.89	28.57	1.68	NC
GMW-62	07/07/2011	76.34	28.03	28.14	0.11	NC
GMW-62	10/06/2011	76.34	28.45	29.39	0.94	NC
GMW-62	01/09/2012	76.34	28.97	29.02	0.05	NC
GMW-62	04/12/2012	76.34	29.58	29.68	0.10	NC
GMW-62	04/18/2012	76.34	29.40	29.46	0.06	NC
GMW-62	01/11/2013	76.34	-----	30.62	-----	45.72
GMW-62	04/03/2013	76.34	30.42	31.36	0.94	NC
GMW-62	04/08/2013	76.34	30.35	32.13	1.78	NC
GMW-62	10/02/2013	76.34	31.00	32.33	1.33	NC

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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	04/09/2014	76.34	31.02	33.50	2.48	NC
GMW-62	04/15/2014	76.34	31.02	33.71	2.69	NC
GMW-62	10/27/2014	76.34	32.14	37.77	5.63	NC
GMW-62	04/20/2015	76.34	32.97	32.98	0.01	NC
GMW-62	10/20/2015	76.34	33.29	33.30	0.01	NC
GMW-62	04/11/2016	76.34	34.39	34.40	0.01	NC
GMW-62	10/3/2016	76.34	34.72	34.73	0.01	NC
GMW-63	10/14/2008	77.32	-----	29.17	-----	48.15
GMW-63	02/10/2009	77.32	-----	29.08	-----	48.24
GMW-63	04/20/2009	77.32	-----	28.71	-----	48.61
GMW-63	07/17/2009	77.32	-----	29.11	-----	48.21
GMW-63	07/21/2009	77.32	-----	29.15	-----	48.17
GMW-63	10/19/2009	77.32	-----	29.84	-----	47.48
GMW-63	01/11/2010	77.32	-----	30.12	-----	47.20
GMW-63	04/12/2010	77.32	-----	29.22	-----	48.10
GMW-63	01/08/2011	77.32	-----	29.35	-----	47.97
GMW-63	04/07/2011	77.32	-----	28.63	-----	48.69
GMW-63	07/07/2011	77.32	-----	29.13	-----	48.19
GMW-63	10/06/2011	77.32	-----	29.63	-----	47.69
GMW-63	01/09/2012	77.32	-----	29.83	-----	47.49
GMW-63	04/12/2012	77.32	-----	30.51	-----	46.81
GMW-63	04/17/2012	77.32	-----	30.25	-----	47.07
GMW-63	01/11/2013	77.32	-----	31.23	-----	46.09
GMW-63	04/03/2013	77.32	-----	31.28	-----	46.04
GMW-63	04/08/2013	77.32	-----	31.14	-----	46.18
GMW-63	10/02/2013	77.32	-----	31.92	-----	45.40
GMW-63	04/09/2014	77.32	-----	32.08	-----	45.24
GMW-63	10/27/2014	77.32	-----	32.51	-----	44.81
GMW-63	04/14/2014	77.32	-----	32.02	-----	45.30
GMW-63	04/20/2015	77.32	-----	32.86	-----	44.46
GMW-63	10/20/2015	77.32	-----	33.73	-----	43.59
GMW-63	04/11/2016	77.32	-----	34.33	-----	42.99
GMW-63	10/3/2016	77.32	-----	34.89	-----	42.43
GMW-64	10/14/2008	75.84	-----	27.60	-----	48.24
GMW-64	02/10/2009	75.84	-----	27.47	-----	48.37
GMW-64	04/20/2009	75.84	-----	27.00	-----	48.84
GMW-64	07/17/2009	75.84	-----	27.37	-----	48.47
GMW-64	07/21/2009	75.84	-----	27.52	-----	48.32
GMW-64	10/19/2009	75.84	-----	28.11	-----	47.73
GMW-64	01/11/2010	75.84	-----	28.53	-----	47.31
GMW-64	04/12/2010	75.84	-----	27.10	-----	48.74

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	01/08/2011	75.84	-----	27.81	-----	48.03
GMW-64	04/07/2011	75.84	-----	26.45	-----	49.39
GMW-64	07/07/2011	75.84	-----	27.21	-----	48.63
GMW-64	10/06/2011	75.84	-----	27.86	-----	47.98
GMW-64	01/09/2012	75.84	-----	28.21	-----	47.63
GMW-64	04/12/2012	75.84	-----	28.96	-----	46.88
GMW-64	04/17/2012	75.84	-----	28.65	-----	47.19
GMW-64	01/11/2013	75.84	-----	29.69	-----	46.15
GMW-64	04/03/2013	75.84	-----	29.72	-----	46.12
GMW-64	04/08/2013	75.84	-----	29.53	-----	46.31
GMW-64	10/02/2013	75.84	-----	30.49	-----	45.35
GMW-64	04/09/2014	75.84	-----	30.33	-----	45.51
GMW-64	04/14/2014	75.84	-----	30.22	-----	45.62
GMW-64	10/27/2014	75.84	-----	30.81	-----	45.03
GMW-64	04/20/2015	75.84	-----	31.24	-----	44.60
GMW-64	10/20/2015	75.84	-----	32.33	-----	43.51
GMW-64	04/11/2016	75.84	-----	32.89	-----	42.95
GMW-64	10/3/2016	75.84	-----	33.45	-----	42.39
GMW-65	07/17/2009	76.78	-----	28.65	-----	48.13
GMW-65	07/21/2009	76.78	-----	28.83	-----	47.95
GMW-65	10/19/2009	76.78	-----	29.60	-----	47.18
GMW-65	01/11/2010	76.78	-----	29.80	-----	46.98
GMW-65	04/12/2010	76.78	-----	28.68	-----	48.10
GMW-65	01/08/2011	76.78	-----	29.39	-----	47.39
GMW-65	04/07/2011	76.78	-----	27.98	-----	48.80
GMW-65	07/07/2011	76.78	-----	28.63	-----	48.15
GMW-65	10/06/2011	76.78	-----	29.18	-----	47.60
GMW-65	01/09/2012	76.78	-----	29.43	-----	47.35
GMW-65	04/12/2012	76.78	-----	30.15	-----	46.63
GMW-65	04/18/2012	76.78	-----	29.85	-----	46.93
GMW-65	01/11/2013	76.78	-----	31.08	-----	45.70
GMW-65	04/03/2013	76.78	-----	31.07	-----	45.71
GMW-65	04/08/2013	76.78	-----	30.92	-----	45.86
GMW-65	10/02/2013	76.78	-----	31.75	-----	45.03
GMW-65	04/09/2014	76.78	-----	31.87	-----	44.91
GMW-65	04/14/2014	76.78	-----	31.68	-----	45.10
GMW-65	10/27/2014	76.78	-----	32.35	-----	44.43
GMW-65	04/20/2015	76.78	-----	32.68	-----	44.10
GMW-65	10/20/2015	76.78	-----	33.54	-----	43.24
GMW-65	04/11/2016	76.78	-----	34.19	-----	42.59
GMW-65	10/3/2016	76.78	-----	34.75	-----	42.03

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-66	10/19/2009	77.00	-----	29.73	-----	47.27
GMW-66	04/12/2010	77.00	-----	29.64	-----	47.36
GMW-66	04/07/2011	77.00	-----	28.63	-----	48.37
GMW-66	07/07/2011	77.00	-----	28.96	-----	48.04
GMW-66	10/06/2011	77.00	-----	29.48	-----	47.52
GMW-66	04/12/2012	77.00	-----	30.46	-----	46.54
GMW-66	04/17/2012	77.00	-----	30.11	-----	46.89
GMW-66	01/10/2013	77.00	-----	31.36	-----	45.64
GMW-66	04/02/2013	77.00	-----	31.34	-----	45.66
GMW-66	04/08/2013	77.00	-----	31.25	-----	45.75
GMW-66	10/01/2013	77.00	-----	32.06	-----	44.94
GMW-66	04/09/2014	77.00	-----	32.53	-----	44.47
GMW-66	04/15/2014	77.00	-----	32.48	-----	44.52
GMW-66	10/27/2014	77.00	-----	32.93	-----	44.07
GMW-66	Well decommissioned in December 2014 prior to remedial excavation					
GMW-66R	10/3/2016	79.23	-----	37.35	-----	41.88
GMW-67	10/20/2015	76.00	-----	32.90	-----	43.10
GMW-67	04/11/2016	76.00	-----	33.53	-----	42.47
GMW-67	10/3/2016	76.00	-----	34.05	-----	41.95
GMW-68	10/20/2015	75.52	-----	32.44	-----	43.08
GMW-68	04/11/2016	75.52	-----	33.06	-----	42.46
GMW-68	10/3/2016	75.52	32.80	35.80	3.00	NC
GMW-69	10/20/2015	75.31	-----	32.21	-----	43.10
GMW-69	04/11/2016	75.31	-----	32.83	-----	42.48
GMW-69	10/3/2016	75.31	-----	33.33	-----	41.98
GMW-O-1	05/28/1996	71.45	-----	24.16	-----	47.29
GMW-O-1	11/20/1996	71.45	-----	24.51	-----	46.94
GMW-O-1	07/01/1997	71.45	-----	24.93	-----	46.52
GMW-O-1	12/31/1997	71.45	-----	24.57	-----	46.88
GMW-O-1	05/01/1998	71.45	-----	22.51	-----	48.94
GMW-O-1	02/02/1999	71.45	-----	21.57	-----	49.88
GMW-O-1	05/05/1999	71.45	-----	22.20	-----	49.25
GMW-O-1	08/09/1999	71.45	-----	22.52	-----	48.93
GMW-O-1	11/15/1999	71.45	-----	22.68	-----	48.77
GMW-O-1	02/29/2000	71.45	-----	22.78	-----	48.67
GMW-O-1	05/15/2000	71.45	-----	22.75	-----	48.70
GMW-O-1	08/28/2000	71.45	-----	23.02	-----	48.43
GMW-O-1	11/13/2000	71.45	-----	23.26	-----	48.19
GMW-O-1	02/05/2001	71.45	-----	23.01	-----	48.44
GMW-O-1	05/07/2001	71.45	-----	22.39	-----	49.06
GMW-O-1	09/18/2001	71.45	-----	21.96	-----	49.49

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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	11/05/2001	71.45	-----	22.18	-----	49.27
GMW-O-1	01/29/2002	71.45	-----	22.18	-----	49.27
GMW-O-1	04/08/2002	71.45	-----	22.51	-----	48.94
GMW-O-1	07/29/2002	71.45	-----	22.97	-----	48.48
GMW-O-1	10/21/2002	71.45	-----	23.14	-----	48.31
GMW-O-1	01/27/2003	71.45	-----	23.03	-----	48.42
GMW-O-1	04/07/2003	71.45	-----	23.11	-----	48.34
GMW-O-1	07/30/2003	71.45	-----	22.84	-----	48.61
GMW-O-1	10/06/2003	71.45	-----	22.76	-----	48.69
GMW-O-1	01/11/2004	71.45	-----	23.77	-----	47.68
GMW-O-1	01/27/2004	71.45	-----	23.06	-----	48.39
GMW-O-1	04/19/2004	71.45	-----	23.45	-----	48.00
GMW-O-1	07/19/2004	71.45	-----	23.45	-----	48.00
GMW-O-1	02/01/2005	71.45	-----	23.34	-----	48.11
GMW-O-1	05/02/2005	71.45	-----	21.02	-----	50.43
GMW-O-1	08/01/2005	71.45	-----	20.26	-----	51.19
GMW-O-1	10/31/2005	71.45	-----	20.21	-----	51.24
GMW-O-1	02/27/2006	71.45	-----	20.52	-----	50.93
GMW-O-1	05/01/2006	71.45	-----	20.59	-----	50.86
GMW-O-1	09/18/2006	71.45	-----	20.93	-----	50.52
GMW-O-1	12/04/2006	71.45	-----	27.16	-----	44.29
GMW-O-1	03/12/2007	71.45	-----	21.32	-----	50.13
GMW-O-1	04/30/2007	71.45	-----	21.40	-----	50.05
GMW-O-1	08/28/2007	71.45	-----	22.50	-----	48.95
GMW-O-1	11/12/2007	71.45	-----	21.79	-----	49.66
GMW-O-1	02/19/2008	71.45	-----	27.25	-----	44.20
GMW-O-1	04/14/2008	71.45	-----	22.15	-----	49.30
GMW-O-1	08/11/2008	71.45	-----	22.41	-----	49.04
GMW-O-1	10/13/2008	71.45	-----	22.45	-----	49.00
GMW-O-1	04/20/2009	71.45	-----	22.41	-----	49.04
GMW-O-1	07/20/2009	71.45	-----	23.15	-----	48.30
GMW-O-1	10/19/2009	71.45	-----	23.39	-----	48.06
GMW-O-1	03/15/2010	71.45	-----	23.90	-----	47.55
GMW-O-1	05/24/2010	71.45	-----	23.48	-----	47.97
GMW-O-1	05/28/2010	71.45	-----	23.47	-----	47.98
GMW-O-1	10/04/2010	71.45	-----	23.71	-----	47.74
GMW-O-1	01/10/2011	71.45	-----	24.14	-----	47.31
GMW-O-1	04/11/2011	71.45	-----	23.17	-----	48.28
GMW-O-1	07/11/2011	71.45	-----	22.88	-----	48.57
GMW-O-1	10/10/2011	71.45	-----	22.89	-----	48.56
GMW-O-1	01/09/2012	71.45	-----	23.35	-----	48.10

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	04/16/2012	71.45	-----	23.86	-----	47.59
GMW-O-1	07/09/2012	71.45	-----	24.19	-----	47.26
GMW-O-1	10/15/2012	71.45	-----	24.33	-----	47.12
GMW-O-1	01/14/2013	71.45	-----	24.88	-----	46.57
GMW-O-1	04/08/2013	71.45	-----	25.04	-----	46.41
GMW-O-1	10/07/2013	71.45	-----	25.72	-----	45.73
GMW-O-1	04/14/2014	71.45	-----	26.72	-----	44.73
GMW-O-1	10/27/2014	71.45	-----	27.28	-----	44.17
GMW-O-1	04/20/2015	71.45	-----	28.02	-----	43.43
GMW-O-1	10/19/2015	71.45	-----	28.98	-----	42.47
GMW-O-1	04/11/2016	71.45	-----	29.71	-----	41.74
GMW-O-1	10/3/2016	71.45	-----	31.20	-----	40.25
GMW-O-2	11/20/1996	72.54	-----	25.33	-----	47.21
GMW-O-2	07/01/1997	72.54	-----	25.29	-----	47.25
GMW-O-2	12/31/1997	72.54	-----	25.32	-----	47.22
GMW-O-2	05/01/1998	72.54	-----	23.10	-----	49.44
GMW-O-2	05/05/1999	72.54	-----	23.15	-----	49.39
GMW-O-2	08/09/1999	72.54	-----	23.39	-----	49.15
GMW-O-2	11/15/1999	72.54	-----	23.62	-----	48.92
GMW-O-2	05/15/2000	72.54	-----	23.59	-----	48.95
GMW-O-2	11/13/2000	72.54	-----	24.11	-----	48.43
GMW-O-2	05/07/2001	72.54	-----	23.26	-----	49.28
GMW-O-2	11/05/2001	72.54	-----	23.25	-----	49.29
GMW-O-2	04/08/2002	72.54	-----	23.52	-----	49.02
GMW-O-2	07/29/2002	72.54	-----	24.13	-----	48.41
GMW-O-2	10/21/2002	72.54	-----	24.28	-----	48.26
GMW-O-2	01/14/2003	72.54	-----	24.23	-----	48.31
GMW-O-2	01/27/2003	72.54	-----	24.10	-----	48.44
GMW-O-2	04/07/2003	72.54	-----	24.05	-----	48.49
GMW-O-2	07/30/2003	72.54	-----	23.75	-----	48.79
GMW-O-2	10/06/2003	72.54	-----	23.75	-----	48.79
GMW-O-2	01/11/2004	72.54	-----	24.78	-----	47.76
GMW-O-2	01/27/2004	72.54	-----	24.09	-----	48.45
GMW-O-2	04/19/2004	72.54	-----	24.39	-----	48.15
GMW-O-2	07/19/2004	72.54	-----	24.39	-----	48.15
GMW-O-2	02/01/2005	72.54	-----	24.06	-----	48.48
GMW-O-2	05/02/2005	72.54	-----	21.40	-----	51.14
GMW-O-2	08/01/2005	72.54	-----	20.97	-----	51.57
GMW-O-2	10/31/2005	72.54	-----	21.22	-----	51.32
GMW-O-2	02/27/2006	72.54	-----	23.10	-----	49.44
GMW-O-2	05/01/2006	72.54	-----	21.59	-----	50.95

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	09/18/2006	72.54	-----	22.08	-----	50.46
GMW-O-2	12/04/2006	72.54	-----	22.21	-----	50.33
GMW-O-2	03/12/2007	72.54	-----	22.50	-----	50.04
GMW-O-2	04/30/2007	72.54	-----	22.53	-----	50.01
GMW-O-2	08/28/2007	72.54	-----	22.54	-----	50.00
GMW-O-2	11/12/2007	72.54	-----	22.96	-----	49.58
GMW-O-2	02/19/2008	72.54	-----	23.39	-----	49.15
GMW-O-2	04/14/2008	72.54	-----	23.24	-----	49.30
GMW-O-2	08/11/2008	72.54	-----	23.57	-----	48.97
GMW-O-2	10/13/2008	72.54	-----	23.64	-----	48.90
GMW-O-2	04/20/2009	72.54	-----	23.70	-----	48.84
GMW-O-2	07/20/2009	72.54	-----	24.40	-----	48.14
GMW-O-2	10/19/2009	72.54	-----	24.81	-----	47.73
GMW-O-2	03/15/2010	72.54	-----	25.10	-----	47.44
GMW-O-2	05/24/2010	72.54	-----	24.48	-----	48.06
GMW-O-2	05/28/2010	72.54	-----	24.43	-----	48.11
GMW-O-2	10/04/2010	72.54	-----	24.25	-----	48.29
GMW-O-2	01/10/2011	72.54	-----	25.13	-----	47.41
GMW-O-2	04/11/2011	72.54	-----	24.14	-----	48.40
GMW-O-2	07/11/2011	72.54	-----	23.80	-----	48.74
GMW-O-2	10/10/2011	72.54	-----	23.98	-----	48.56
GMW-O-2	01/09/2012	72.54	-----	24.50	-----	48.04
GMW-O-2	04/16/2012	72.54	-----	24.82	-----	47.72
GMW-O-2	07/09/2012	72.54	-----	25.21	-----	47.33
GMW-O-2	10/15/2012	72.54	-----	25.50	-----	47.04
GMW-O-2	01/14/2013	72.54	-----	26.02	-----	46.52
GMW-O-2	04/08/2013	72.54	-----	26.12	-----	46.42
GMW-O-2	10/07/2013	72.54	-----	26.80	-----	45.74
GMW-O-2	04/14/2014	72.54	-----	27.39	-----	45.15
GMW-O-2	10/27/2014	72.54	-----	27.90	-----	44.64
GMW-O-2	04/20/2015	72.54	-----	28.34	-----	44.20
GMW-O-2	10/19/2015	72.54	-----	29.07	-----	43.47
GMW-O-2	04/11/2016	72.54	-----	30.20	-----	42.34
GMW-O-2	10/3/2016	72.54	-----	31.30	-----	41.24
GMW-O-3	05/28/1996	72.19	-----	24.19	-----	48.00
GMW-O-3	11/20/1996	72.19	-----	24.87	-----	47.32
GMW-O-3	07/01/1997	72.19	-----	24.77	-----	47.42
GMW-O-3	12/31/1997	72.19	-----	24.80	-----	47.39
GMW-O-3	05/01/1998	72.19	-----	22.06	-----	50.13
GMW-O-3	02/03/1999	72.19	-----	22.07	-----	50.12
GMW-O-3	05/07/1999	72.19	-----	23.11	-----	49.08

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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	08/09/1999	72.19	-----	23.20	-----	48.99
GMW-O-3	11/15/1999	72.19	-----	23.40	-----	48.79
GMW-O-3	02/29/2000	72.19	-----	23.45	-----	48.74
GMW-O-3	05/15/2000	72.19	-----	23.36	-----	48.83
GMW-O-3	08/28/2000	72.19	-----	23.95	-----	48.24
GMW-O-3	11/13/2000	72.19	-----	23.90	-----	48.29
GMW-O-3	02/05/2001	72.19	-----	23.61	-----	48.58
GMW-O-3	05/07/2001	72.19	-----	22.81	-----	49.38
GMW-O-3	09/18/2001	72.19	-----	22.55	-----	49.64
GMW-O-3	11/05/2001	72.19	-----	22.90	-----	49.29
GMW-O-3	01/29/2002	72.19	-----	23.18	-----	49.01
GMW-O-3	04/08/2002	72.19	-----	23.18	-----	49.01
GMW-O-3	07/29/2002	72.39	-----	24.05	-----	48.34
GMW-O-3	10/21/2002	72.19	-----	24.07	-----	48.12
GMW-O-3	01/14/2003	72.19	-----	23.90	-----	48.29
GMW-O-3	01/27/2003	72.19	-----	23.75	-----	48.44
GMW-O-3	04/07/2003	72.19	-----	23.53	-----	48.66
GMW-O-3	07/30/2003	72.19	-----	23.35	-----	48.84
GMW-O-3	10/06/2003	72.19	-----	23.52	-----	48.67
GMW-O-3	01/11/2004	72.19	-----	24.67	-----	47.52
GMW-O-3	01/27/2004	72.19	-----	23.79	-----	48.40
GMW-O-3	04/19/2004	72.19	-----	24.08	-----	48.11
GMW-O-3	07/19/2004	72.19	-----	24.13	-----	48.06
GMW-O-3	02/01/2005	72.19	-----	23.52	-----	48.67
GMW-O-3	05/02/2005	72.19	-----	20.03	-----	52.16
GMW-O-3	08/01/2005	72.19	-----	20.18	-----	52.01
GMW-O-3	10/31/2005	72.19	-----	20.56	-----	51.63
GMW-O-3	02/27/2006	72.19	-----	21.04	-----	51.15
GMW-O-3	05/01/2006	72.19	-----	21.09	-----	51.10
GMW-O-3	09/18/2006	72.19	-----	21.84	-----	50.35
GMW-O-3	12/04/2006	72.19	-----	22.87	-----	49.32
GMW-O-3	03/12/2007	72.19	-----	22.22	-----	49.97
GMW-O-3	04/30/2007	72.19	-----	22.16	-----	50.03
GMW-O-3	08/28/2007	72.19	-----	21.87	-----	50.32
GMW-O-3	11/12/2007	72.19	-----	22.52	-----	49.67
GMW-O-3	02/19/2008	72.19	-----	23.10	-----	49.09
GMW-O-3	04/14/2008	72.19	-----	22.83	-----	49.36
GMW-O-3	08/11/2008	72.19	-----	23.26	-----	48.93
GMW-O-3	10/13/2008	74.93	-----	23.42	-----	51.51
GMW-O-3	04/20/2009	72.19	-----	23.18	-----	49.01
GMW-O-3	07/20/2009	72.19	-----	24.21	-----	47.98

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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	10/19/2009	72.19	-----	24.49	-----	47.70
GMW-O-3	03/15/2010	72.19	-----	24.77	-----	47.42
GMW-O-3	05/24/2010	72.19	-----	24.00	-----	48.19
GMW-O-3	05/28/2010	72.19	-----	23.97	-----	48.22
GMW-O-3	10/04/2010	72.19	-----	24.43	-----	47.76
GMW-O-3	01/10/2011	72.19	-----	25.17	-----	47.02
GMW-O-3	04/11/2011	72.19	-----	23.49	-----	48.70
GMW-O-3	07/11/2011	72.19	-----	23.36	-----	48.83
GMW-O-3	10/10/2011	72.19	-----	23.70	-----	48.49
GMW-O-3	01/09/2012	72.19	-----	24.29	-----	47.90
GMW-O-3	04/16/2012	72.19	-----	24.72	-----	47.47
GMW-O-3	07/09/2012	72.19	-----	25.29	-----	46.90
GMW-O-3	10/15/2012	72.19	-----	25.33	-----	46.86
GMW-O-3	01/14/2013	72.19	-----	26.32	-----	45.87
GMW-O-3	04/08/2013	72.19	-----	26.19	-----	46.00
GMW-O-3	10/07/2013	72.19	-----	26.93	-----	45.26
GMW-O-3	04/14/2014	72.19	-----	27.40	-----	44.79
GMW-O-3	10/27/2014	72.19	-----	27.79	-----	44.40
GMW-O-3	04/20/2015	72.19	-----	28.21	-----	43.98
GMW-O-3	10/19/2015	72.19	-----	28.94	-----	43.25
GMW-O-3	04/11/2016	72.19	-----	30.51	-----	41.68
GMW-O-3	10/3/2016	72.19	-----	31.45	-----	40.74
GMW-O-4	05/28/1996	71.95	-----	23.69	-----	48.26
GMW-O-4	11/20/1996	71.95	-----	24.37	-----	47.58
GMW-O-4	07/01/1997	71.95	-----	23.69	-----	48.26
GMW-O-4	12/31/1997	71.95	-----	24.25	-----	47.70
GMW-O-4	05/01/1998	71.95	-----	20.89	-----	51.06
GMW-O-4	05/06/1999	71.95	-----	22.33	-----	49.62
GMW-O-4	08/09/1999	71.95	-----	22.55	-----	49.40
GMW-O-4	11/15/1999	71.95	-----	22.91	-----	49.04
GMW-O-4	05/15/2000	71.95	-----	27.74	-----	44.21
GMW-O-4	11/13/2000	71.95	-----	23.38	-----	48.57
GMW-O-4	05/07/2001	71.95	-----	21.86	-----	50.09
GMW-O-4	11/05/2001	71.95	-----	22.29	-----	49.66
GMW-O-4	04/08/2002	71.95	-----	22.71	-----	49.24
GMW-O-4	10/21/2002	71.95	-----	23.56	-----	48.39
GMW-O-4	04/07/2003	71.95	-----	29.99	-----	41.96
GMW-O-4	10/06/2003	71.95	-----	22.75	-----	49.20
GMW-O-4	01/11/2004	71.95	-----	24.02	-----	47.93
GMW-O-4	04/19/2004	71.95	-----	24.44	-----	47.51
GMW-O-4	05/02/2005	71.95	-----	18.86	-----	53.09

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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	10/31/2005	71.95	-----	19.91	-----	52.04
GMW-O-4	05/01/2006	71.95	-----	20.52	-----	51.43
GMW-O-4	12/04/2006	71.95	-----	21.17	-----	50.78
GMW-O-4	04/30/2007	71.95	-----	21.74	-----	50.21
GMW-O-4	11/12/2007	71.95	-----	22.10	-----	49.85
GMW-O-4	04/14/2008	71.95	-----	22.28	-----	49.67
GMW-O-4	10/13/2008	71.95	-----	22.93	-----	49.02
GMW-O-4	04/20/2009	71.95	-----	25.29	-----	46.66
GMW-O-4	10/19/2009	71.95	-----	24.14	-----	47.81
GMW-O-4	05/24/2010	71.95	-----	23.50	-----	48.45
GMW-O-4	05/28/2010	71.95	-----	23.47	-----	48.48
GMW-O-4	10/04/2010	71.95	-----	23.97	-----	47.98
GMW-O-4	04/11/2011	71.95	-----	23.00	-----	48.95
GMW-O-4	10/10/2011	71.95	-----	23.31	-----	48.64
GMW-O-4	04/16/2012	71.95	-----	24.45	-----	47.50
GMW-O-4	10/15/2012	71.95	-----	25.14	-----	46.81
GMW-O-4	04/08/2013	71.95	-----	25.88	-----	46.07
GMW-O-4	10/07/2013	71.95	-----	26.51	-----	45.44
GMW-O-4	04/14/2014	71.95	-----	26.98	-----	44.97
GMW-O-4	10/27/2014	71.95	-----	27.42	-----	44.53
GMW-O-4	04/20/2015	71.95	-----	27.79	-----	44.16
GMW-O-4	10/19/2015	71.95	-----	28.57	-----	43.38
GMW-O-4	04/11/2016	71.95	-----	29.80	-----	42.15
GMW-O-4	10/3/2016	71.95	-----	30.90	-----	41.05
GMW-O-4 (MID)	05/28/1996	72.24	-----	31.73	-----	40.51
GMW-O-4 (MID)	11/20/1996	72.24	-----	31.86	-----	40.38
GMW-O-4 (MID)	07/01/1997	72.24	-----	29.66	-----	42.58
GMW-O-4 (MID)	12/31/1997	72.24	-----	29.41	-----	42.83
GMW-O-4 (MID)	05/01/1998	72.24	-----	26.77	-----	45.47
GMW-O-4 (MID)	05/06/1999	72.24	-----	27.34	-----	44.90
GMW-O-4 (MID)	08/09/1999	72.24	-----	28.59	-----	43.65
GMW-O-4 (MID)	11/15/1999	72.24	-----	28.91	-----	43.33
GMW-O-4 (MID)	05/15/2000	72.24	-----	28.49	-----	43.75
GMW-O-4 (MID)	11/13/2000	72.24	-----	29.82	-----	42.42
GMW-O-4 (MID)	05/07/2001	72.24	-----	29.02	-----	43.22
GMW-O-4 (MID)	11/05/2001	72.24	-----	30.00	-----	42.24
GMW-O-4 (MID)	04/08/2002	72.24	-----	29.80	-----	42.44
GMW-O-4 (MID)	10/21/2002	72.24	-----	31.10	-----	41.14
GMW-O-4 (MID)	04/07/2003	72.24	-----	30.26	-----	41.98
GMW-O-4 (MID)	10/06/2003	72.24	-----	31.12	-----	41.12
GMW-O-4 (MID)	01/11/2004	72.24	-----	32.81	-----	39.43

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)	04/19/2004	72.24	-----	37.77	-----	34.47
GMW-O-4 (MID)	05/02/2005	72.24	-----	29.73	-----	42.51
GMW-O-4 (MID)	10/31/2005	72.24	-----	30.04	-----	42.20
GMW-O-4 (MID)	05/01/2006	72.24	-----	28.81	-----	43.43
GMW-O-4 (MID)	12/04/2006	72.24	-----	29.09	-----	43.15
GMW-O-4 (MID)	04/30/2007	72.24	-----	28.95	-----	43.29
GMW-O-4 (MID)	11/12/2007	72.24	-----	29.34	-----	42.90
GMW-O-4 (MID)	04/14/2008	72.24	-----	30.10	-----	42.14
GMW-O-4 (MID)	10/13/2008	72.24	-----	31.40	-----	40.84
GMW-O-4 (MID)	04/20/2009	72.24	-----	31.15	-----	41.09
GMW-O-4 (MID)	10/19/2009	72.24	-----	32.71	-----	39.53
GMW-O-4 (MID)	05/24/2010	72.24	-----	31.92	-----	40.32
GMW-O-4 (MID)	05/28/2010	72.24	-----	31.95	-----	40.29
GMW-O-4 (MID)	04/11/2011	72.24	-----	31.03	-----	41.21
GMW-O-4 (MID)	10/10/2011	72.24	-----	31.36	-----	40.88
GMW-O-4 (MID)	04/16/2012	72.24	-----	31.35	-----	40.89
GMW-O-4 (MID)	10/15/2012	72.24	-----	32.25	-----	39.99
GMW-O-4 (MID)	04/08/2013	72.24	-----	32.81	-----	39.43
GMW-O-5	05/28/1996	72.36	-----	24.10	-----	48.26
GMW-O-5	11/20/1996	72.36	-----	24.88	-----	47.48
GMW-O-5	07/01/1997	72.36	-----	24.13	-----	48.23
GMW-O-5	12/31/1997	72.36	-----	24.72	-----	47.64
GMW-O-5	05/01/1998	72.36	-----	21.22	-----	51.14
GMW-O-5	02/03/1999	72.36	-----	22.11	-----	50.25
GMW-O-5	05/03/1999	72.36	-----	22.90	-----	49.46
GMW-O-5	08/09/1999	72.36	-----	23.14	-----	49.22
GMW-O-5	11/15/1999	72.36	-----	23.50	-----	48.86
GMW-O-5	02/29/2000	72.36	-----	23.55	-----	48.81
GMW-O-5	05/15/2000	72.36	-----	23.33	-----	49.03
GMW-O-5	08/28/2000	72.36	-----	23.95	-----	48.41
GMW-O-5	11/13/2000	72.36	-----	23.98	-----	48.38
GMW-O-5	02/05/2001	72.36	-----	23.66	-----	48.70
GMW-O-5	05/07/2001	72.36	-----	22.32	-----	50.04
GMW-O-5	09/18/2001	72.36	-----	22.47	-----	49.89
GMW-O-5	11/05/2001	72.36	-----	22.79	-----	49.57
GMW-O-5	01/29/2002	72.36	-----	22.83	-----	49.53
GMW-O-5	04/08/2002	72.36	-----	23.25	-----	49.11
GMW-O-5	10/21/2002	72.36	-----	24.10	-----	48.26
GMW-O-5	01/14/2003	72.36	-----	23.98	-----	48.38
GMW-O-5	04/07/2003	72.36	-----	23.45	-----	48.91
GMW-O-5	10/06/2003	72.36	-----	23.28	-----	49.08

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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	01/11/2004	72.36	-----	24.57	-----	47.79
GMW-O-5	04/19/2004	72.36	-----	23.94	-----	48.42
GMW-O-5	05/02/2005	72.36	-----	19.09	-----	53.27
GMW-O-5	10/31/2005	72.36	-----	20.41	-----	51.95
GMW-O-5	05/01/2006	72.36	-----	20.96	-----	51.40
GMW-O-5	12/04/2006	72.36	-----	21.86	-----	50.50
GMW-O-5	04/30/2007	72.36	-----	22.18	-----	50.18
GMW-O-5	08/29/2007	72.36	-----	28.19	-----	44.17
GMW-O-5	11/12/2007	72.36	-----	22.61	-----	49.75
GMW-O-5	04/14/2008	72.36	-----	22.72	-----	49.64
GMW-O-5	10/13/2008	72.36	-----	23.42	-----	48.94
GMW-O-5	04/20/2009	72.36	-----	23.34	-----	49.02
GMW-O-5	10/19/2009	72.36	-----	25.21	-----	47.15
GMW-O-5	05/24/2010	72.36	-----	24.02	-----	48.34
GMW-O-5	05/28/2010	72.36	-----	23.90	-----	48.46
GMW-O-5	10/04/2010	72.36	-----	24.52	-----	47.84
GMW-O-5	04/11/2011	72.36	-----	23.46	-----	48.90
GMW-O-5	10/10/2011	72.36	-----	23.93	-----	48.43
GMW-O-5	04/16/2012	72.36	-----	29.00	-----	43.36
GMW-O-5	10/15/2012	72.36	-----	25.68	-----	46.68
GMW-O-5	04/08/2013	72.36	-----	26.50	-----	45.86
GMW-O-5	10/07/2013	72.36	-----	27.00	-----	45.36
GMW-O-5	04/14/2014	72.36	-----	27.53	-----	44.83
GMW-O-5	10/27/2014	72.36	-----	27.95	-----	44.41
GMW-O-5	04/20/2015	72.36	-----	28.31	-----	44.05
GMW-O-5	10/19/2015	72.36	-----	29.09	-----	43.27
GMW-O-5	04/11/2016	72.36	-----	30.30	-----	42.06
GMW-O-5	10/3/2016	72.36	-----	31.43	-----	40.93
GMW-O-6	05/28/1996	71.41	-----	23.19	-----	48.22
GMW-O-6	11/20/1996	71.41	-----	23.59	-----	47.82
GMW-O-6	07/01/1997	71.41	-----	23.28	-----	48.13
GMW-O-6	12/31/1997	71.41	-----	23.78	-----	47.63
GMW-O-6	05/01/1998	71.41	-----	20.81	-----	50.60
GMW-O-6	05/05/1999	71.41	-----	21.24	-----	50.17
GMW-O-6	08/09/1999	71.41	-----	21.58	-----	49.83
GMW-O-6	11/15/1999	71.41	-----	21.98	-----	49.43
GMW-O-6	05/15/2000	71.41	-----	21.86	-----	49.55
GMW-O-6	11/13/2000	71.41	-----	27.25	-----	44.16
GMW-O-6	05/07/2001	71.41	-----	21.23	-----	50.18
GMW-O-6	11/05/2001	71.41	-----	21.55	-----	49.86
GMW-O-6	04/08/2002	71.41	-----	21.95	-----	49.46

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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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-6	10/21/2002	71.41	-----	22.67	-----	48.74
GMW-O-6	01/14/2003	71.41	-----	22.82	-----	48.59
GMW-O-6	04/07/2003	71.41	-----	22.49	-----	48.92
GMW-O-6	10/06/2003	71.41	-----	22.02	-----	49.39
GMW-O-6	01/11/2004	71.41	-----	23.01	-----	48.40
GMW-O-6	04/19/2004	71.41	-----	22.69	-----	48.72
GMW-O-6	05/02/2005	71.41	-----	19.45	-----	51.96
GMW-O-6	10/31/2005	71.41	-----	19.74	-----	51.67
GMW-O-6	05/01/2006	71.41	-----	20.33	-----	51.08
GMW-O-6	12/04/2006	71.41	-----	20.89	-----	50.52
GMW-O-6	04/30/2007	71.41	-----	21.23	-----	50.18
GMW-O-6	11/12/2007	71.41	-----	21.55	-----	49.86
GMW-O-6	04/14/2008	71.41	-----	21.63	-----	49.78
GMW-O-6	10/13/2008	71.41	-----	22.20	-----	49.21
GMW-O-6	04/20/2009	71.41	-----	22.18	-----	49.23
GMW-O-6	10/19/2009	71.41	-----	22.98	-----	48.43
GMW-O-6	05/24/2010	71.41	-----	22.77	-----	48.64
GMW-O-6	05/28/2010	71.41	-----	22.94	-----	48.47
GMW-O-6	10/04/2010	71.41	-----	23.15	-----	48.26
GMW-O-6	04/11/2011	71.41	-----	22.48	-----	48.93
GMW-O-6	10/10/2011	71.41	-----	22.45	-----	48.96
GMW-O-6	04/16/2012	71.41	-----	23.18	-----	48.23
GMW-O-6	10/15/2012	71.41	-----	23.41	-----	48.00
GMW-O-6	04/08/2013	71.41	-----	24.36	-----	47.05
GMW-O-6	10/07/2013	71.41	-----	25.31	-----	46.10
GMW-O-6	04/28/2014	71.41	-----	25.98	-----	45.43
GMW-O-6	10/27/2014	71.41	-----	26.27	-----	45.14
GMW-O-6	04/20/2015	71.41	-----	26.10	-----	45.31
GMW-O-6	10/19/2015	71.41	-----	27.50	-----	43.91
GMW-O-6	04/11/2016	71.41	-----	28.41	-----	43.00
GMW-O-6	10/3/2016	71.41	-----	29.00	-----	42.41
GMW-O-7	05/07/1999	70.98	-----	20.17	-----	50.81
GMW-O-7	08/09/1999	70.98	-----	20.36	-----	50.62
GMW-O-7	11/15/1999	70.98	-----	20.76	-----	50.22
GMW-O-7	05/15/2000	70.98	-----	23.52	-----	47.46
GMW-O-7	11/13/2000	70.98	-----	21.18	-----	49.80
GMW-O-7	05/07/2001	70.98	-----	20.21	-----	50.77
GMW-O-7	11/05/2001	70.98	-----	20.51	-----	50.47
GMW-O-7	04/08/2002	70.98	-----	21.38	-----	49.60
GMW-O-7	10/21/2002	70.98	-----	21.59	-----	49.39
GMW-O-7	04/07/2003	70.98	-----	21.55	-----	49.43

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	10/06/2003	70.98	-----	21.20	-----	49.78
GMW-O-7	01/11/2004	70.98	-----	22.16	-----	48.82
GMW-O-7	04/19/2004	70.98	-----	21.75	-----	49.23
GMW-O-7	05/02/2005	70.98	-----	18.83	-----	52.15
GMW-O-7	10/31/2005	70.98	-----	19.16	-----	51.82
GMW-O-7	05/01/2006	70.98	-----	19.42	-----	51.56
GMW-O-7	12/04/2006	70.98	-----	19.92	-----	51.06
GMW-O-7	04/30/2007	70.98	-----	20.32	-----	50.66
GMW-O-7	11/12/2007	70.98	-----	20.93	-----	50.05
GMW-O-7	10/13/2008	70.98	-----	21.43	-----	49.55
GMW-O-7	04/20/2009	70.98	-----	21.49	-----	49.49
GMW-O-7	10/19/2009	70.98	-----	21.91	-----	49.07
GMW-O-7	05/24/2010	70.98	-----	21.90	-----	49.08
GMW-O-7	05/28/2010	70.98	-----	21.95	-----	49.03
GMW-O-7	10/04/2010	70.98	-----	22.25	-----	48.73
GMW-O-7	04/11/2011	70.98	-----	21.59	-----	49.39
GMW-O-7	10/10/2011	70.98	-----	21.70	-----	49.28
GMW-O-7	04/16/2012	70.98	-----	22.40	-----	48.58
GMW-O-7	10/15/2012	70.98	-----	22.83	-----	48.15
GMW-O-7	04/08/2013	70.98	-----	23.90	-----	47.08
GMW-O-7	10/07/2013	70.98	-----	24.12	-----	46.86
GMW-O-7	04/14/2014	70.98	-----	24.90	-----	46.08
GMW-O-7	10/27/2014	70.98	-----	25.59	-----	45.39
GMW-O-7	04/20/2015	70.98	-----	26.09	-----	44.89
GMW-O-7	10/19/2015	70.98	-----	26.63	-----	44.35
GMW-O-7	04/11/2016	70.98	-----	27.40	-----	43.58
GMW-O-7	10/3/2016	70.98	-----	28.10	-----	42.88
GMW-O-8	05/28/1996	70.91	-----	23.35	-----	47.56
GMW-O-8	11/20/1996	70.91	-----	23.49	-----	47.42
GMW-O-8	07/01/1997	70.91	-----	23.25	-----	47.66
GMW-O-8	12/31/1997	70.91	-----	23.89	-----	47.02
GMW-O-8	05/01/1998	70.91	-----	21.52	-----	49.39
GMW-O-8	05/03/1999	70.91	-----	21.00	-----	49.91
GMW-O-8	08/09/1999	70.91	-----	21.20	-----	49.71
GMW-O-8	11/15/1999	70.91	-----	21.48	-----	49.43
GMW-O-8	05/15/2000	70.91	-----	21.60	-----	49.31
GMW-O-8	11/13/2000	70.91	-----	29.81	-----	41.10
GMW-O-8	05/07/2001	70.91	-----	21.30	-----	49.61
GMW-O-8	11/05/2001	70.91	-----	21.13	-----	49.78
GMW-O-8	04/08/2002	70.91	-----	21.36	-----	49.55
GMW-O-8	10/21/2002	70.91	-----	22.00	-----	48.91

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	01/14/2003	70.91	-----	22.25	-----	48.66
GMW-O-8	04/07/2003	70.91	-----	22.19	-----	48.72
GMW-O-8	10/06/2003	70.91	-----	21.76	-----	49.15
GMW-O-8	01/11/2004	70.91	-----	22.58	-----	48.33
GMW-O-8	04/19/2004	70.91	-----	22.33	-----	48.58
GMW-O-8	05/02/2005	70.91	-----	20.09	-----	50.82
GMW-O-8	10/31/2005	70.91	-----	19.38	-----	51.53
GMW-O-8	05/01/2006	70.91	-----	19.77	-----	51.14
GMW-O-8	12/04/2006	70.91	-----	20.17	-----	50.74
GMW-O-8	04/30/2007	70.91	-----	20.54	-----	50.37
GMW-O-8	11/12/2007	70.91	-----	20.91	-----	50.00
GMW-O-8	04/14/2008	70.91	-----	21.27	-----	49.64
GMW-O-8	10/13/2008	70.91	-----	21.57	-----	49.34
GMW-O-8	04/20/2009	70.91	-----	21.80	-----	49.11
GMW-O-8	10/19/2009	70.91	-----	22.41	-----	48.50
GMW-O-8	05/24/2010	70.91	-----	22.50	-----	48.41
GMW-O-8	05/28/2010	70.91	-----	22.41	-----	48.50
GMW-O-8	10/04/2010	70.91	-----	22.60	-----	48.31
GMW-O-8	04/11/2011	70.91	-----	22.24	-----	48.67
GMW-O-8	10/10/2011	70.91	-----	21.71	-----	49.20
GMW-O-8	04/16/2012	70.91	-----	22.54	-----	48.37
GMW-O-8	10/15/2012	70.91	-----	22.87	-----	48.04
GMW-O-8	04/08/2013	70.91	-----	23.64	-----	47.27
GMW-O-8	10/07/2013	70.91	-----	24.53	-----	46.38
GMW-O-8	04/14/2014	70.91	-----	25.21	-----	45.70
GMW-O-8	10/27/2014	70.91	-----	25.74	-----	45.17
GMW-O-8	04/20/2015	70.91	-----	26.39	-----	44.52
GMW-O-8	10/19/2015	70.91	-----	27.53	-----	43.38
GMW-O-8	04/11/2016	70.91	-----	28.47	-----	42.44
GMW-O-8	10/3/2016	70.91	-----	29.51	-----	41.40
GMW-O-9	05/28/1996	73.50	-----	25.93	-----	47.57
GMW-O-9	11/20/1996	73.50	-----	26.53	-----	46.97
GMW-O-9	07/01/1997	73.50	-----	26.90	-----	46.60
GMW-O-9	12/31/1997	73.50	-----	26.30	-----	47.20
GMW-O-9	05/01/1998	73.50	-----	24.05	-----	49.45
GMW-O-9	05/04/1999	73.50	-----	24.39	-----	49.11
GMW-O-9	08/09/1999	73.50	-----	24.96	-----	48.54
GMW-O-9	11/15/1999	73.50	-----	24.91	-----	48.59
GMW-O-9	05/15/2000	73.50	-----	24.93	-----	48.57
GMW-O-9	11/13/2000	73.50	-----	25.61	-----	47.89
GMW-O-9	05/07/2001	73.50	-----	24.54	-----	48.96

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	11/05/2001	73.50	-----	24.55	-----	48.95
GMW-O-9	04/08/2002	73.50	-----	30.07	-----	43.43
GMW-O-9	10/21/2002	73.50	-----	25.62	-----	47.88
GMW-O-9	04/07/2003	73.50	-----	25.13	-----	48.37
GMW-O-9	10/06/2003	73.50	-----	24.92	-----	48.58
GMW-O-9	01/11/2004	73.50	-----	26.12	-----	47.38
GMW-O-9	04/19/2004	73.50	-----	25.74	-----	47.76
GMW-O-9	05/02/2005	73.50	-----	22.61	-----	50.89
GMW-O-9	10/31/2005	73.50	-----	22.14	-----	51.36
GMW-O-9	05/05/2006	73.50	-----	23.61	-----	49.89
GMW-O-9	12/04/2006	73.50	-----	23.84	-----	49.66
GMW-O-9	04/30/2007	73.50	-----	23.52	-----	49.98
GMW-O-9	11/12/2007	73.50	-----	23.94	-----	49.56
GMW-O-9	04/14/2008	73.50	-----	24.31	-----	49.19
GMW-O-9	10/13/2008	73.50	-----	24.71	-----	48.79
GMW-O-9	04/20/2009	73.50	-----	24.86	-----	48.64
GMW-O-9	10/19/2009	73.50	-----	25.86	-----	47.64
GMW-O-9	05/24/2010	73.50	-----	25.57	-----	47.93
GMW-O-9	05/28/2010	73.50	-----	25.50	-----	48.00
GMW-O-9	10/04/2010	73.50	-----	25.89	-----	47.61
GMW-O-9	01/10/2011	73.50	-----	26.69	-----	46.81
GMW-O-9	04/11/2011	73.50	-----	25.17	-----	48.33
GMW-O-9	10/10/2011	73.50	-----	25.16	-----	48.34
GMW-O-9	01/09/2012	73.50	-----	26.02	-----	47.48
GMW-O-9	04/16/2012	73.50	-----	26.13	-----	47.37
GMW-O-9	07/09/2012	73.50	-----	26.91	-----	46.59
GMW-O-9	10/15/2012	73.50	-----	26.74	-----	46.76
GMW-O-9	01/14/2013	73.50	-----	26.82	-----	46.68
GMW-O-9	04/08/2013	73.50	-----	27.63	-----	45.87
GMW-O-9	10/07/2013	73.50	-----	28.31	-----	45.19
GMW-O-9	04/14/2014	73.50	-----	28.81	-----	44.69
GMW-O-9	10/27/2014	73.50	-----	29.24	-----	44.26
GMW-O-9	04/20/2015	73.50	-----	29.75	-----	43.75
GMW-O-9	10/19/2015	73.50	-----	30.33	-----	43.17
GMW-O-9	04/11/2016	73.50	-----	31.62	-----	41.88
GMW-O-9	10/3/2016	73.50	-----	33.03	-----	40.47
GMW-O-10	05/28/1996	73.98	-----	26.49	-----	47.49
GMW-O-10	11/20/1996	73.98	-----	27.10	-----	46.88
GMW-O-10	07/01/1997	73.98	-----	28.23	-----	45.75
GMW-O-10	12/31/1997	73.98	-----	27.94	-----	46.04
GMW-O-10	05/01/1998	73.98	-----	24.56	-----	49.42

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	05/07/1999	73.98	-----	25.10	-----	48.88
GMW-O-10	08/09/1999	73.98	-----	26.10	-----	47.88
GMW-O-10	11/15/1999	73.98	-----	25.67	-----	48.31
GMW-O-10	11/13/2000	73.98	-----	26.54	-----	47.44
GMW-O-10	05/07/2001	73.98	-----	25.23	-----	48.75
GMW-O-10	11/05/2001	73.98	-----	25.22	-----	48.76
GMW-O-10	04/08/2002	73.98	-----	25.35	-----	48.63
GMW-O-10	10/21/2002	73.98	-----	26.39	-----	47.59
GMW-O-10	04/07/2003	73.98	-----	25.64	-----	48.34
GMW-O-10	07/30/2003	73.98	-----	25.60	-----	48.38
GMW-O-10	10/06/2003	73.98	-----	25.67	-----	48.31
GMW-O-10	01/11/2004	73.98	-----	26.96	-----	47.02
GMW-O-10	04/19/2004	73.98	-----	26.60	-----	47.38
GMW-O-10	05/02/2005	73.98	-----	23.71	-----	50.27
GMW-O-10	10/31/2005	73.98	-----	22.65	-----	51.33
GMW-O-10	05/05/2006	73.98	-----	22.33	-----	51.65
GMW-O-10	12/04/2006	73.98	-----	23.24	-----	50.74
GMW-O-10	04/30/2007	73.98	-----	24.07	-----	49.91
GMW-O-10	11/12/2007	73.98	-----	24.45	-----	49.53
GMW-O-10	04/14/2008	73.98	-----	24.83	-----	49.15
GMW-O-10	08/11/2008	73.98	-----	25.22	-----	48.76
GMW-O-10	10/13/2008	73.98	-----	25.25	-----	48.73
GMW-O-10	04/20/2009	73.98	-----	25.58	-----	48.40
GMW-O-10	10/19/2009	73.98	-----	26.72	-----	47.26
GMW-O-10	05/24/2010	73.98	-----	26.92	-----	47.06
GMW-O-10	05/28/2010	73.98	-----	29.10	-----	44.88
GMW-O-10	10/04/2010	73.98	-----	26.48	-----	47.50
GMW-O-10	01/10/2011	73.98	-----	27.30	-----	46.68
GMW-O-10	04/11/2011	73.98	-----	25.72	-----	48.26
GMW-O-10	10/10/2011	73.98	-----	26.29	-----	47.69
GMW-O-10	01/09/2012	73.98	-----	26.82	-----	47.16
GMW-O-10	04/16/2012	73.98	-----	26.90	-----	47.08
GMW-O-10	07/09/2012	73.98	-----	27.81	-----	46.17
GMW-O-10	10/15/2012	73.98	-----	28.40	-----	45.58
GMW-O-10	01/14/2013	73.98	-----	28.57	-----	45.41
GMW-O-10	04/08/2013	73.98	-----	26.31	-----	47.67
GMW-O-10	10/07/2013	73.98	-----	29.17	-----	44.81
GMW-O-10	04/14/2014	73.98	-----	29.48	-----	44.50
GMW-O-10	10/27/2014	73.98	-----	29.93	-----	44.05
GMW-O-10	04/20/2015	73.98	-----	30.52	-----	43.46
GMW-O-10	10/19/2015	73.98	-----	31.17	-----	42.81

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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	04/11/2016	73.98	-----	32.23	-----	41.75
GMW-O-10	10/3/2016	73.98	-----	33.13	-----	40.85
GMW-O-11	04/08/2002	74.17	-----	23.96	-----	50.21
GMW-O-11	04/19/2004	74.17	-----	27.40	-----	46.77
GMW-O-11	05/02/2005	74.17	22.46	22.48	0.02	NC
GMW-O-11	10/31/2005	74.17	21.73	21.92	0.19	NC
GMW-O-11	05/01/2006	74.17	-----	21.51	-----	52.66
GMW-O-11	12/04/2006	74.17	-----	22.38	-----	51.79
GMW-O-11	04/30/2007	74.17	23.90	23.91	0.01	NC
GMW-O-11	11/12/2007	74.17	-----	24.40	-----	49.77
GMW-O-11	08/15/2008	74.17	-----	29.30	-----	44.87
GMW-O-11	10/17/2008	74.17	-----	24.45	-----	49.72
GMW-O-11	04/21/2009	74.17	25.34	25.36	0.02	NC
GMW-O-11	10/04/2010	74.17	-----	30.00	-----	44.17
GMW-O-11	04/13/2011	74.17	-----	24.19	-----	49.98
GMW-O-11	10/10/2011	74.17	-----	24.38	-----	49.79
GMW-O-11	10/15/2012	74.17	-----	28.12	-----	46.05
GMW-O-11	10/07/2013	74.17	27.69	31.19	3.50	NC
GMW-O-11	04/25/2014	74.17	28.62	28.96	0.34	NC
GMW-O-11	10/27/2014	74.17	28.89	31.28	2.39	NC
GMW-O-11	11/03/2014	74.17	27.83	32.34	4.51	NC
GMW-O-11	04/22/2015	74.17	28.10	31.54	3.44	NC
GMW-O-11	10/22/2015	74.17	29.23	33.08	3.85	NC
GMW-O-11	04/12/2016	74.17	33.12	33.33	0.21	NC
GMW-O-11	10/6/2016	74.17	32.71	32.72	0.01	NC
GMW-O-12	12/31/1997	73.49	25.45	31.02	5.57	NC
GMW-O-12	05/01/1998	73.49	19.94	22.69	2.75	NC
GMW-O-12	05/04/1999	73.49	22.99	24.63	1.64	NC
GMW-O-12	11/13/2000	73.49	-----	0.70	-----	72.79
GMW-O-12	05/07/2001	73.49	-----	22.28	-----	51.21
GMW-O-12	05/10/2001	73.49	-----	24.25	-----	49.24
GMW-O-12	11/05/2001	73.49	-----	22.63	-----	50.86
GMW-O-12	04/08/2002	73.49	-----	23.81	-----	49.68
GMW-O-12	10/06/2003	73.49	-----	24.82	-----	48.67
GMW-O-12	04/19/2004	73.49	-----	26.91	-----	46.58
GMW-O-12	05/02/2005	73.49	-----	21.79	-----	51.70
GMW-O-12	10/31/2005	73.49	-----	26.67	-----	46.82
GMW-O-12	05/01/2006	73.49	-----	21.80	-----	51.69
GMW-O-12	12/04/2006	73.49	-----	22.58	-----	50.91
GMW-O-12	04/30/2007	73.49	-----	22.81	-----	50.68
GMW-O-12	11/12/2007	73.49	-----	23.13	-----	50.36

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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-12	04/14/2008	73.49	-----	23.36	-----	50.13
GMW-O-12	10/13/2008	73.49	-----	24.20	-----	49.29
GMW-O-12	04/20/2009	73.49	-----	24.21	-----	49.28
GMW-O-12	10/19/2009	73.49	-----	25.08	-----	48.41
GMW-O-12	05/24/2010	73.49	-----	24.80	-----	48.69
GMW-O-12	05/28/2010	73.49	-----	24.74	-----	48.75
GMW-O-12	10/04/2010	73.49	25.20	25.31	0.11	NC
GMW-O-12	04/11/2011	73.49	-----	24.04	-----	49.45
GMW-O-12	10/10/2011	73.49	-----	24.68	-----	48.81
GMW-O-12	01/09/2012	73.49	-----	25.12	-----	48.37
GMW-O-12	04/16/2012	73.49	-----	25.40	-----	48.09
GMW-O-12	07/09/2012	73.49	-----	26.96	-----	46.53
GMW-O-12	10/15/2012	73.49	25.44	25.48	0.04	NC
GMW-O-12	01/14/2013	73.49	25.58	25.62	0.04	NC
GMW-O-12	04/08/2013	73.49	26.51	26.60	0.09	NC
GMW-O-12	10/07/2013	73.49	27.28	27.34	0.06	NC
GMW-O-12	04/14/2014	73.49	26.80	30.34	3.54	NC
GMW-O-12	10/27/2014	73.49	26.90	31.28	4.38	NC
GMW-O-12	04/20/2015	73.49	26.91	33.35	6.44	NC
GMW-O-12	10/19/2015	73.49	27.82	34.65	6.83	NC
GMW-O-12	10/30/2015	73.49	28.11	39.38	11.27	NC
GMW-O-12	04/11/2016	73.49	26.86	33.35	6.49	NC
GMW-O-12	10/3/2016	73.49	31.90	34.20	2.30	NC
GMW-O-13	05/28/1996	74.19	25.84	27.69	1.85	NC
GMW-O-13	11/20/1996	74.19	26.48	28.92	2.44	NC
GMW-O-13	07/01/1997	74.19	26.55	28.87	2.32	NC
GMW-O-13	12/31/1997	74.19	26.83	28.91	2.08	NC
GMW-O-13	05/01/1998	74.19	22.55	23.06	0.51	NC
GMW-O-13	05/04/1999	74.19	24.46	25.78	1.32	NC
GMW-O-13	08/09/1999	74.19	-----	25.20	-----	48.99
GMW-O-13	04/08/2002	74.19	-----	25.47	-----	48.72
GMW-O-14	05/28/1996	74.08	-----	26.03	-----	48.05
GMW-O-14	11/20/1996	74.08	-----	25.52	-----	48.56
GMW-O-14	07/01/1997	74.08	-----	26.39	-----	47.69
GMW-O-14	12/31/1997	74.08	25.03	25.06	0.03	NC
GMW-O-14	05/01/1998	74.08	-----	23.72	-----	50.36
GMW-O-14	08/09/1999	74.08	-----	25.04	-----	49.04
GMW-O-14	05/15/2000	74.08	-----	26.67	-----	47.41
GMW-O-14	11/13/2000	74.08	-----	25.85	-----	48.23
GMW-O-14	05/07/2001	74.08	-----	24.34	-----	49.74
GMW-O-14	11/05/2001	74.08	-----	24.65	-----	49.43

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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-14	04/08/2002	74.08	-----	25.19	-----	48.89
GMW-O-14	07/29/2002	74.08	-----	25.65	-----	48.43
GMW-O-14	10/21/2002	74.08	-----	26.00	-----	48.08
GMW-O-14	01/27/2003	74.08	-----	25.64	-----	48.44
GMW-O-14	04/07/2003	74.08	-----	25.36	-----	48.72
GMW-O-14	07/30/2003	74.08	-----	25.14	-----	48.94
GMW-O-14	10/06/2003	74.08	-----	25.12	-----	48.96
GMW-O-14	01/11/2004	74.08	-----	26.31	-----	47.77
GMW-O-14	01/27/2004	74.08	-----	25.58	-----	48.50
GMW-O-14	04/19/2004	74.08	-----	26.02	-----	48.06
GMW-O-14	07/19/2004	74.08	-----	26.01	-----	48.07
GMW-O-14	02/01/2005	74.08	-----	25.08	-----	49.00
GMW-O-14	05/02/2005	74.08	-----	21.41	-----	52.67
GMW-O-14	08/01/2005	74.08	-----	21.39	-----	52.69
GMW-O-14	10/31/2005	74.08	-----	21.90	-----	52.18
GMW-O-14	02/27/2006	74.08	-----	22.64	-----	51.44
GMW-O-14	05/01/2006	74.08	-----	22.58	-----	51.50
GMW-O-14	09/18/2006	74.08	-----	23.18	-----	50.90
GMW-O-14	12/04/2006	74.08	-----	23.36	-----	50.72
GMW-O-14	03/12/2007	74.08	-----	23.81	-----	50.27
GMW-O-14	04/30/2007	74.08	-----	23.57	-----	50.51
GMW-O-14	08/28/2007	74.08	-----	22.45	-----	51.63
GMW-O-14	11/12/2007	74.08	-----	23.97	-----	50.11
GMW-O-14	02/19/2008	74.08	-----	24.84	-----	49.24
GMW-O-14	04/14/2008	74.08	-----	24.53	-----	49.55
GMW-O-14	08/11/2008	74.08	-----	25.07	-----	49.01
GMW-O-14	10/13/2008	74.08	-----	25.20	-----	48.88
GMW-O-14	04/20/2009	74.08	-----	25.33	-----	48.75
GMW-O-14	07/20/2009	74.08	-----	26.31	-----	47.77
GMW-O-14	10/19/2009	74.08	-----	26.24	-----	47.84
GMW-O-14	03/15/2010	74.08	-----	26.71	-----	47.37
GMW-O-14	05/24/2010	74.08	-----	26.11	-----	47.97
GMW-O-14	05/28/2010	74.08	-----	26.11	-----	47.97
GMW-O-14	10/04/2010	74.08	-----	26.04	-----	48.04
GMW-O-14	01/10/2011	74.08	-----	27.12	-----	46.96
GMW-O-14	04/11/2011	74.08	-----	25.25	-----	48.83
GMW-O-14	07/11/2011	74.08	-----	24.77	-----	49.31
GMW-O-14	10/10/2011	74.08	-----	25.16	-----	48.92
GMW-O-14	01/09/2012	74.08	-----	26.14	-----	47.94
GMW-O-14	04/16/2012	74.08	-----	26.94	-----	47.14
GMW-O-14	07/09/2012	74.08	-----	27.51	-----	46.57

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-14	10/15/2012	74.08	-----	27.96	-----	46.12
GMW-O-14	01/14/2013	74.08	-----	28.32	-----	45.76
GMW-O-14	04/08/2013	74.08	-----	28.83	-----	45.25
GMW-O-14	10/07/2013	74.08	-----	28.84	-----	45.24
GMW-O-14	04/14/2014	74.08	-----	29.36	-----	44.72
GMW-O-14	10/27/2014	74.08	-----	29.84	-----	44.24
GMW-O-14	04/20/2015	74.08	-----	30.32	-----	43.76
GMW-O-14	10/19/2015	74.08	-----	30.98	-----	43.10
GMW-O-14	04/11/2016	74.08	-----	32.34	-----	41.74
GMW-O-14	10/3/2016	74.08	-----	34.08	-----	40.00
GMW-O-15	05/28/1996	74.23	24.19	30.19	6.00	NC
GMW-O-15	11/20/1996	74.23	25.30	30.52	5.22	NC
GMW-O-15	05/15/2000	74.23	-----	27.10	-----	47.13
GMW-O-15	05/07/2001	74.23	22.62	24.58	1.96	NC
GMW-O-15	04/08/2002	74.23	23.02	27.51	4.49	NC
GMW-O-15	10/21/2002	74.23	24.52	24.71	0.19	NC
GMW-O-15	05/02/2005	74.23	21.01	21.15	0.14	NC
GMW-O-15	10/31/2005	74.23	22.10	22.25	0.15	NC
GMW-O-15	05/22/2006	74.23	21.89	22.31	0.42	NC
GMW-O-15	12/04/2006	74.23	22.86	22.91	0.05	NC
GMW-O-15	04/30/2007	74.23	23.30	23.41	0.11	NC
GMW-O-15	11/12/2007	74.23	23.85	23.95	0.10	NC
GMW-O-15	04/14/2008	74.23	-----	23.64	-----	50.59
GMW-O-15	08/08/2008	74.23	-----	24.60	-----	49.63
GMW-O-15	08/11/2008	74.23	24.34	24.40	0.06	NC
GMW-O-15	10/16/2008	74.23	-----	24.53	-----	49.70
GMW-O-15	04/20/2009	74.23	24.61	24.66	0.05	NC
GMW-O-15	07/20/2009	74.23	24.94	24.99	0.05	NC
GMW-O-15	10/19/2009	74.23	25.43	25.55	0.12	NC
GMW-O-15	04/16/2010	74.23	-----	23.10	-----	51.13
GMW-O-15	05/24/2010	74.23	-----	25.67	-----	48.56
GMW-O-15	05/28/2010	74.23	-----	25.35	-----	48.88
GMW-O-15	06/22/2010	74.23	-----	25.81	-----	48.42
GMW-O-15	10/04/2010	74.23	25.80	25.85	0.05	NC
GMW-O-15	12/22/2010	74.23	-----	26.31	-----	47.92
GMW-O-15	01/10/2011	74.23	-----	25.97	-----	48.26
GMW-O-15	04/12/2011	74.23	22.53	22.55	0.02	NC
GMW-O-15	10/10/2011	74.23	23.22	23.79	0.57	NC
GMW-O-15	12/21/2011	74.23	-----	31.13	-----	43.10
GMW-O-15	01/09/2012	74.23	-----	27.67	-----	46.56
GMW-O-15	02/23/2012	74.23	-----	31.82	-----	42.41

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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	03/28/2012	74.23	-----	30.30	-----	43.93
GMW-O-15	04/16/2012	74.23	26.51	26.56	0.05	NC
GMW-O-15	05/25/2012	74.23	-----	26.64	-----	47.59
GMW-O-15	06/15/2012	74.23	-----	26.93	-----	47.30
GMW-O-15	07/09/2012	74.23	-----	25.47	-----	48.76
GMW-O-15	09/26/2012	74.23	-----	30.64	-----	43.59
GMW-O-15	10/15/2012	74.23	-----	31.82	-----	42.41
GMW-O-15	12/26/2012	74.23	-----	27.41	-----	46.82
GMW-O-15	01/14/2013	74.23	-----	27.62	-----	46.61
GMW-O-15	04/26/2013	74.23	-----	27.90	-----	46.33
GMW-O-15	10/07/2013	74.23	28.26	29.03	0.77	NC
GMW-O-15	04/18/2014	74.23	28.08	28.40	0.32	NC
GMW-O-15	10/27/2014	74.23	28.30	31.89	3.59	NC
GMW-O-15	04/20/2015	74.23	28.82	31.93	3.11	NC
GMW-O-15	10/19/2015	74.23	28.89	31.91	3.02	NC
GMW-O-15	04/12/2016	74.23	-----	29.78	-----	44.45
GMW-O-15	10/3/2016	74.23	30.92	31.00	0.08	NC
GMW-O-16	05/28/1996	74.10	-----	24.92	-----	49.18
GMW-O-16	11/20/1996	74.10	-----	25.89	-----	48.21
GMW-O-16	07/01/1997	74.10	-----	24.16	-----	49.94
GMW-O-16	05/04/1999	74.10	-----	23.19	-----	50.91
GMW-O-16	08/09/1999	74.10	-----	24.27	-----	49.83
GMW-O-16	11/15/1999	74.10	-----	25.02	-----	49.08
GMW-O-16	05/15/2000	74.10	-----	24.44	-----	49.66
GMW-O-16	11/13/2000	74.10	-----	25.71	-----	48.39
GMW-O-16	05/07/2001	74.10	-----	23.15	-----	50.95
GMW-O-16	11/05/2001	74.10	-----	23.16	-----	50.94
GMW-O-16	04/08/2002	74.10	-----	24.25	-----	49.85
GMW-O-16	10/21/2002	74.10	-----	25.72	-----	48.38
GMW-O-16	04/07/2003	74.10	-----	24.59	-----	49.51
GMW-O-16	10/06/2003	74.10	-----	24.55	-----	49.55
GMW-O-16	01/11/2004	74.10	-----	28.00	-----	46.10
GMW-O-16	04/19/2004	74.10	-----	24.98	-----	49.12
GMW-O-16	07/20/2004	74.10	-----	25.37	-----	48.73
GMW-O-16	05/02/2005	74.10	-----	19.48	-----	54.62
GMW-O-16	08/01/2005	74.10	-----	20.45	-----	53.65
GMW-O-16	10/31/2005	74.10	-----	21.04	-----	53.06
GMW-O-16	02/27/2006	74.10	-----	22.31	-----	51.79
GMW-O-16	05/01/2006	74.10	-----	22.36	-----	51.74
GMW-O-16	09/18/2006	74.10	-----	23.19	-----	50.91
GMW-O-16	12/04/2006	74.10	-----	23.33	-----	50.77

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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	04/30/2007	74.10	-----	23.82	-----	50.28
GMW-O-16	11/12/2007	74.10	-----	24.35	-----	49.75
GMW-O-16	02/19/2008	74.10	-----	24.69	-----	49.41
GMW-O-16	04/14/2008	74.10	-----	24.08	-----	50.02
GMW-O-16	10/13/2008	74.10	-----	25.12	-----	48.98
GMW-O-16	04/20/2009	74.10	-----	25.20	-----	48.90
GMW-O-16	10/19/2009	74.10	-----	25.81	-----	48.29
GMW-O-16	03/15/2010	74.10	-----	26.30	-----	47.80
GMW-O-16	04/16/2010	74.10	-----	25.20	-----	48.90
GMW-O-16	05/24/2010	74.10	-----	25.14	-----	48.96
GMW-O-16	05/28/2010	74.10	-----	25.13	-----	48.97
GMW-O-16	06/22/2010	74.10	-----	25.55	-----	48.55
GMW-O-16	07/12/2010	74.10	-----	26.28	-----	47.82
GMW-O-16	08/12/2010	74.10	-----	26.43	-----	47.67
GMW-O-16	09/20/2010	74.10	-----	26.95	-----	47.15
GMW-O-16	10/04/2010	74.10	-----	26.10	-----	48.00
GMW-O-16	11/16/2010	74.10	-----	26.58	-----	47.52
GMW-O-16	12/22/2010	74.10	-----	27.00	-----	47.10
GMW-O-16	01/10/2011	74.10	-----	26.42	-----	47.68
GMW-O-16	02/24/2011	74.10	-----	26.02	-----	48.08
GMW-O-16	03/23/2011	74.10	-----	25.99	-----	48.11
GMW-O-16	04/11/2011	74.10	-----	24.66	-----	49.44
GMW-O-16	05/13/2011	74.10	-----	25.76	-----	48.34
GMW-O-16	06/22/2011	74.10	-----	25.89	-----	48.21
GMW-O-16	07/11/2011	74.10	-----	26.00	-----	48.10
GMW-O-16	08/19/2011	74.10	-----	25.63	-----	48.47
GMW-O-16	09/22/2011	74.10	-----	26.32	-----	47.78
GMW-O-16	10/10/2011	74.10	-----	25.53	-----	48.57
GMW-O-16	11/28/2011	74.10	-----	26.42	-----	47.68
GMW-O-16	12/21/2011	74.10	-----	27.05	-----	47.05
GMW-O-16	01/09/2012	74.10	-----	26.98	-----	47.12
GMW-O-16	02/23/2012	74.10	-----	27.56	-----	46.54
GMW-O-16	03/28/2012	74.10	-----	27.50	-----	46.60
GMW-O-16	04/16/2012	74.10	-----	26.62	-----	47.48
GMW-O-16	05/25/2012	74.10	-----	26.81	-----	47.29
GMW-O-16	06/15/2012	74.10	-----	27.27	-----	46.83
GMW-O-16	07/09/2012	74.10	-----	27.12	-----	46.98
GMW-O-16	08/29/2012	74.10	-----	28.10	-----	46.00
GMW-O-16	09/26/2012	74.10	-----	28.46	-----	45.64
GMW-O-16	10/15/2012	74.10	-----	27.38	-----	46.72
GMW-O-16	11/29/2012	74.10	-----	28.61	-----	45.49

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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	12/26/2012	74.10	-----	28.52	-----	45.58
GMW-O-16	01/14/2013	74.10	-----	28.72	-----	45.38
GMW-O-16	02/20/2013	74.10	-----	28.56	-----	45.54
GMW-O-16	04/08/2013	74.10	-----	28.61	-----	45.49
GMW-O-16	10/07/2013	74.10	-----	28.48	-----	45.62
GMW-O-16	04/14/2014	74.10	-----	28.85	-----	45.25
GMW-O-16	10/27/2014	74.10	-----	29.30	-----	44.80
GMW-O-16	04/20/2015	74.10	-----	29.69	-----	44.41
GMW-O-16	10/19/2015	74.10	-----	30.41	-----	43.69
GMW-O-16	04/11/2016	74.10	-----	31.30	-----	42.80
GMW-O-16	10/3/2016	74.10	-----	32.00	-----	42.10
GMW-O-17	05/28/1996	73.78	-----	24.72	-----	49.06
GMW-O-17	11/20/1996	73.78	-----	25.55	-----	48.23
GMW-O-17	07/01/1997	73.78	-----	23.84	-----	49.94
GMW-O-17	12/31/1997	73.78	-----	25.31	-----	48.47
GMW-O-17	05/01/1998	73.78	-----	20.49	-----	53.29
GMW-O-17	05/03/1999	73.78	-----	23.12	-----	50.66
GMW-O-17	08/09/1999	73.78	-----	23.50	-----	50.28
GMW-O-17	11/15/1999	73.78	-----	24.11	-----	49.67
GMW-O-17	05/15/2000	73.78	-----	23.70	-----	50.08
GMW-O-17	11/13/2000	73.78	-----	24.62	-----	49.16
GMW-O-17	05/07/2001	73.78	-----	22.39	-----	51.39
GMW-O-17	11/05/2001	73.78	-----	23.13	-----	50.65
GMW-O-17	04/08/2002	73.78	-----	23.69	-----	50.09
GMW-O-17	10/21/2002	73.78	-----	24.90	-----	48.88
GMW-O-17	04/07/2003	73.78	-----	24.05	-----	49.73
GMW-O-17	10/06/2003	73.78	-----	23.19	-----	50.59
GMW-O-17	01/11/2004	73.78	-----	25.39	-----	48.39
GMW-O-17	04/19/2004	73.78	-----	24.46	-----	49.32
GMW-O-17	05/02/2005	73.78	-----	19.51	-----	54.27
GMW-O-17	10/31/2005	73.78	-----	20.03	-----	53.75
GMW-O-17	05/01/2006	73.78	-----	20.75	-----	53.03
GMW-O-17	12/04/2006	73.78	-----	22.68	-----	51.10
GMW-O-17	04/30/2007	73.78	-----	23.19	-----	50.59
GMW-O-17	11/12/2007	73.78	-----	23.90	-----	49.88
GMW-O-17	04/14/2008	73.78	-----	23.55	-----	50.23
GMW-O-17	08/11/2008	73.78	-----	24.14	-----	49.64
GMW-O-17	10/13/2008	73.78	-----	24.60	-----	49.18
GMW-O-17	04/20/2009	73.78	-----	24.48	-----	49.30
GMW-O-17	05/24/2010	73.78	-----	24.78	-----	49.00
GMW-O-17	05/28/2010	73.78	-----	28.75	-----	45.03

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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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-17	10/04/2010	73.78	-----	25.60	-----	48.18
GMW-O-17	01/10/2011	73.78	-----	25.64	-----	48.14
GMW-O-17	04/11/2011	73.78	-----	24.11	-----	49.67
GMW-O-17	10/10/2011	73.78	-----	24.71	-----	49.07
GMW-O-17	01/09/2012	73.78	-----	25.32	-----	48.46
GMW-O-17	04/16/2012	73.78	-----	26.10	-----	47.68
GMW-O-17	07/09/2012	73.78	-----	26.42	-----	47.36
GMW-O-17	10/15/2012	73.78	-----	26.62	-----	47.16
GMW-O-17	01/14/2013	73.78	-----	27.48	-----	46.30
GMW-O-17	04/08/2013	73.78	-----	27.48	-----	46.30
GMW-O-17	10/07/2013	73.78	-----	28.21	-----	45.57
GMW-O-17	04/14/2014	73.78	-----	28.25	-----	45.53
GMW-O-17	10/27/2014	73.78	-----	28.84	-----	44.94
GMW-O-17	04/20/2015	73.78	-----	28.96	-----	44.82
GMW-O-17	10/19/2015	73.78	-----	29.95	-----	43.83
GMW-O-17	04/11/2016	73.78	-----	30.55	-----	43.23
GMW-O-17	10/3/2016	73.78	-----	31.10	-----	42.68
GMW-O-18	05/28/1996	74.36	-----	25.67	-----	48.69
GMW-O-18	11/20/1996	74.36	-----	26.70	-----	47.66
GMW-O-18	12/31/1997	74.36	-----	26.48	-----	47.88
GMW-O-18	05/01/1998	74.36	-----	29.04	-----	45.32
GMW-O-18	05/04/1999	74.36	-----	24.02	-----	50.34
GMW-O-18	08/09/1999	74.36	-----	24.91	-----	49.45
GMW-O-18	11/15/1999	74.36	-----	25.56	-----	48.80
GMW-O-18	05/15/2000	74.36	-----	29.17	-----	45.19
GMW-O-18	05/07/2001	74.36	-----	24.10	-----	50.26
GMW-O-18	04/08/2002	74.36	24.81	24.81	sheen	49.55
GMW-O-18	05/02/2005	74.36	-----	20.13	-----	54.23
GMW-O-18	10/31/2005	74.36	-----	21.79	-----	52.57
GMW-O-18	05/01/2006	74.36	-----	22.60	-----	51.76
GMW-O-18	12/04/2006	74.36	-----	23.61	-----	50.75
GMW-O-18	04/30/2007	74.36	-----	24.21	-----	50.15
GMW-O-18	11/12/2007	74.36	-----	22.46	-----	51.90
GMW-O-18	04/14/2008	74.36	-----	24.50	-----	49.86
GMW-O-18	10/13/2008	74.36	-----	25.46	-----	48.90
GMW-O-18	04/20/2009	74.36	-----	25.59	-----	48.77
GMW-O-18	10/19/2009	74.36	-----	26.31	-----	48.05
GMW-O-18	03/15/2010	74.36	-----	26.54	-----	47.82
GMW-O-18	04/16/2010	74.36	-----	24.25	-----	50.11
GMW-O-18	05/24/2010	74.36	-----	26.26	-----	48.10
GMW-O-18	05/28/2010	74.36	-----	26.03	-----	48.33

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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	06/22/2010	74.36	-----	26.41	-----	47.95
GMW-O-18	10/04/2010	74.36	-----	29.95	-----	44.41
GMW-O-18	10/10/2011	74.36	-----	23.68	-----	50.68
GMW-O-18	12/21/2011	74.46	-----	27.14	-----	47.32
GMW-O-18	02/23/2012	74.36	-----	31.18	-----	43.18
GMW-O-18	04/16/2012	74.36	-----	27.10	-----	47.26
GMW-O-18	05/25/2012	74.36	-----	27.31	-----	47.05
GMW-O-18	06/15/2012	74.36	-----	35.13	-----	39.23
GMW-O-18	07/09/2012	74.36	-----	29.51	-----	44.85
GMW-O-18	09/26/2012	74.36	-----	30.83	-----	43.53
GMW-O-18	10/15/2012	74.36	-----	29.73	-----	44.63
GMW-O-18	12/26/2012	74.36	-----	28.87	-----	45.49
GMW-O-18	01/14/2013	74.36	-----	28.92	-----	45.44
GMW-O-18	04/10/2013	74.36	-----	28.10	-----	46.26
GMW-O-18	10/07/2013	74.36	-----	26.67	-----	47.69
GMW-O-18	04/18/2014	74.36	29.37	29.43	0.06	NC
GMW-O-18	10/27/2014	74.36	29.52	29.95	0.43	NC
GMW-O-18	04/20/2015	74.36	----	28.53	----	45.83
GMW-O-18	10/19/2015	74.36	----	30.90	----	43.46
GMW-O-18	04/12/2016	74.36	----	31.63	----	42.73
GMW-O-18	12/13/2016	74.36	31.01	35.95	4.94	NC
GMW-O-19	05/28/1996	74.46	-----	25.29	-----	49.17
GMW-O-19	11/20/1996	74.46	-----	26.28	-----	48.18
GMW-O-19	07/01/1997	74.46	-----	24.70	-----	49.76
GMW-O-19	12/31/1997	74.46	-----	25.92	-----	48.54
GMW-O-19	08/09/1999	74.46	-----	24.09	-----	50.37
GMW-O-19	11/15/1999	74.46	-----	24.82	-----	49.64
GMW-O-19	05/15/2000	74.46	-----	24.43	-----	50.03
GMW-O-19	09/18/2001	74.46	-----	23.07	-----	51.39
GMW-O-19	11/05/2001	74.46	-----	23.15	-----	51.31
GMW-O-19	01/29/2002	74.46	-----	23.25	-----	51.21
GMW-O-19	04/08/2002	74.46	-----	23.16	-----	51.30
GMW-O-19	10/21/2002	74.46	-----	23.34	-----	51.12
GMW-O-19	04/07/2003	74.46	-----	23.50	-----	50.96
GMW-O-19	07/30/2003	74.46	-----	24.29	-----	50.17
GMW-O-19	10/06/2003	74.46	-----	24.54	-----	49.92
GMW-O-19	01/11/2004	74.46	-----	26.02	-----	48.44
GMW-O-19	04/19/2004	74.46	-----	25.04	-----	49.42
GMW-O-19	07/20/2004	74.46	-----	25.35	-----	49.11
GMW-O-19	05/02/2005	74.46	-----	20.05	-----	54.41
GMW-O-19	08/01/2005	74.46	-----	20.82	-----	53.64

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	10/31/2005	74.46	-----	21.36	-----	53.10
GMW-O-19	02/27/2006	74.46	-----	22.06	-----	52.40
GMW-O-19	05/01/2006	74.46	-----	22.35	-----	52.11
GMW-O-19	12/04/2006	74.46	-----	23.32	-----	51.14
GMW-O-19	04/30/2007	74.46	-----	23.98	-----	50.48
GMW-O-19	11/12/2007	74.46	-----	24.57	-----	49.89
GMW-O-19	04/14/2008	74.46	-----	24.24	-----	50.22
GMW-O-19	10/13/2008	74.46	-----	25.36	-----	49.10
GMW-O-19	04/20/2009	74.46	-----	25.22	-----	49.24
GMW-O-19	10/19/2009	74.46	-----	26.26	-----	48.20
GMW-O-19	03/15/2010	74.46	-----	26.16	-----	48.30
GMW-O-19	04/16/2010	74.46	-----	25.30	-----	49.16
GMW-O-19	05/24/2010	74.46	-----	25.53	-----	48.93
GMW-O-19	05/28/2010	74.46	-----	25.47	-----	48.99
GMW-O-19	06/22/2010	74.46	-----	25.64	-----	48.82
GMW-O-19	07/12/2010	74.46	-----	26.04	-----	48.42
GMW-O-19	08/12/2010	74.46	-----	26.23	-----	48.23
GMW-O-19	09/20/2010	74.46	-----	26.52	-----	47.94
GMW-O-19	10/04/2010	74.46	-----	26.31	-----	48.15
GMW-O-19	11/16/2010	74.46	-----	26.67	-----	47.79
GMW-O-19	12/22/2010	74.46	-----	26.70	-----	47.76
GMW-O-19	01/10/2011	74.46	-----	26.37	-----	48.09
GMW-O-19	02/24/2011	74.46	-----	25.55	-----	48.91
GMW-O-19	03/23/2011	74.46	-----	25.29	-----	49.17
GMW-O-19	04/11/2011	74.46	-----	24.75	-----	49.71
GMW-O-19	05/13/2011	74.46	-----	25.11	-----	49.35
GMW-O-19	06/22/2011	74.46	-----	25.27	-----	49.19
GMW-O-19	07/11/2011	74.46	-----	25.42	-----	49.04
GMW-O-19	08/19/2011	74.46	-----	25.32	-----	49.14
GMW-O-19	09/22/2011	74.46	-----	25.82	-----	48.64
GMW-O-19	10/10/2011	74.46	-----	25.40	-----	49.06
GMW-O-19	11/28/2011	74.46	-----	25.96	-----	48.50
GMW-O-19	12/21/2011	74.46	-----	26.43	-----	48.03
GMW-O-19	01/09/2012	74.46	-----	26.56	-----	47.90
GMW-O-19	02/23/2012	74.46	-----	27.08	-----	47.38
GMW-O-19	03/28/2012	74.46	-----	27.14	-----	47.32
GMW-O-19	04/16/2012	74.46	-----	26.88	-----	47.58
GMW-O-19	05/25/2012	74.46	-----	27.01	-----	47.45
GMW-O-19	06/15/2012	74.46	-----	27.23	-----	47.23
GMW-O-19	07/09/2012	74.46	-----	27.27	-----	47.19
GMW-O-19	08/29/2012	74.46	-----	27.58	-----	46.88

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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	09/26/2012	74.46	-----	27.90	-----	46.56
GMW-O-19	10/15/2012	74.46	-----	27.46	-----	47.00
GMW-O-19	11/29/2012	74.46	-----	28.16	-----	46.30
GMW-O-19	12/26/2012	74.46	-----	28.03	-----	46.43
GMW-O-19	01/14/2013	74.46	-----	28.02	-----	46.44
GMW-O-19	02/20/2013	74.46	-----	28.28	-----	46.18
GMW-O-19	04/08/2013	74.46	-----	28.36	-----	46.10
GMW-O-19	10/07/2013	74.46	-----	28.68	-----	45.78
GMW-O-19	04/14/2014	74.46	-----	28.82	-----	45.64
GMW-O-19	10/27/2014	74.46	-----	29.34	-----	45.12
GMW-O-19	04/20/2015	74.46	-----	28.41	-----	46.05
GMW-O-19	10/19/2015	74.46	-----	30.63	-----	43.83
GMW-O-19	04/11/2016	74.46	-----	31.70	-----	42.76
GMW-O-19	10/3/2016	74.46	-----	32.20	-----	42.26
GMW-O-20	05/07/2001	73.34	-----	22.15	-----	51.19
GMW-O-20	08/15/2008	73.34	-----	25.90	-----	47.44
GMW-O-20	10/17/2008	73.34	-----	25.82	-----	47.52
GMW-O-20	04/21/2009	73.32	-----	28.70	-----	44.62
GMW-O-20	10/04/2010	73.32	31.10	31.20	0.10	NC
GMW-O-20	04/11/2011	73.32	-----	23.82	-----	49.50
GMW-O-20	10/10/2011	73.32	-----	24.05	-----	49.27
GMW-O-20	01/09/2012	73.32	-----	24.68	-----	48.64
GMW-O-20	04/16/2012	73.32	-----	26.18	-----	47.14
GMW-O-20	07/09/2012	73.32	-----	32.92	-----	40.40
GMW-O-20	10/15/2012	73.32	32.95	32.97	0.02	NC
GMW-O-20	01/14/2013	73.32	32.93	32.98	0.05	NC
GMW-O-20	04/08/2013	73.32	26.46	29.63	3.17	NC
GMW-O-20	10/07/2013	73.32	27.06	32.09	5.03	NC
GMW-O-20	04/25/2014	73.32	28.40	28.48	0.08	NC
GMW-O-20	10/27/2014	73.32	27.76	30.70	2.94	NC
GMW-O-20	04/22/2015	73.32	27.98	32.25	4.27	NC
GMW-O-20	10/22/2015	73.32	29.38	31.36	1.98	NC
GMW-O-20	04/12/2016	73.32	-----	32.48	-----	40.84
GMW-O-20	10/3/2016	73.32	-----	33.12	-----	40.20
GMW-O-21	10/06/2003	73.49	-----	22.60	-----	50.89
GMW-O-21	10/17/2008	73.94	-----	26.00	-----	47.94
GMW-O-21	10/04/2010	71.43	-----	25.40	-----	46.03
GMW-O-21	04/13/2011	71.43	-----	23.72	-----	47.71
GMW-O-21	10/10/2011	71.43	-----	24.65	-----	46.78
GMW-O-21	10/15/2012	71.43	-----	32.50	-----	38.93
GMW-O-21	04/14/2014	71.43	28.61	28.65	0.04	NC

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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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-21	10/27/2014	71.43	28.93	29.75	0.82	NC
GMW-O-21	04/20/2015	71.43	28.99	30.15	1.16	NC
GMW-O-21	07/02/2015	71.43	29.88	32.30	2.42	NC
GMW-O-21	10/19/2015	71.43	31.20	31.43	0.23	NC
GMW-O-21	04/11/2016	71.43	31.84	32.17	0.33	NC
GMW-O-21	10/3/2016	71.43	-----	33.45	-----	37.98
GMW-O-23	08/28/2007	73.63	-----	23.00	-----	50.63
GMW-O-23	11/13/2007	73.63	-----	23.90	-----	49.73
GMW-O-23	08/15/2008	73.63	-----	26.28	-----	47.35
GMW-O-23	10/17/2008	73.63	-----	27.16	-----	46.47
GMW-O-23	04/21/2009	73.63	-----	27.30	-----	46.33
GMW-O-23	10/04/2010	73.63	-----	25.92	-----	47.71
GMW-O-23	01/10/2011	73.63	-----	27.45	-----	46.18
GMW-O-23	04/11/2011	73.63	-----	25.03	-----	48.60
GMW-O-23	10/10/2011	73.63	-----	25.25	-----	48.38
GMW-O-23	01/09/2012	73.63	-----	25.91	-----	47.72
GMW-O-23	04/16/2012	73.63	-----	27.38	-----	46.25
GMW-O-23	07/09/2012	73.63	-----	27.41	-----	46.22
GMW-O-23	10/15/2012	73.63	-----	26.48	-----	47.15
GMW-O-23	01/14/2013	73.63	-----	29.35	-----	44.28
GMW-O-23	04/08/2013	73.63	27.74	29.81	2.07	NC
GMW-O-23	10/07/2013	73.63	28.30	32.86	4.56	NC
GMW-O-23	04/25/2014	73.63	29.66	29.81	0.15	NC
GMW-O-23	10/27/2014	73.63	28.80	32.51	3.71	NC
GMW-O-23	04/22/2015	73.63	30.36	33.08	2.72	NC
GMW-O-23	10/22/2015	73.63	30.46	32.82	2.36	NC
GMW-O-23	04/12/2016	73.63	-----	32.59	-----	41.04
GMW-O-23	10/3/2016	73.63	-----	34.90	-----	38.73
GMW-O-24	10/15/2012	74.39	-----	27.90	-----	46.49
GMW-O-24	04/08/2013	74.39	-----	28.53	-----	45.86
GMW-O-24	10/23/2013	74.39	-----	29.40	-----	44.99
GMW-O-24	04/14/2014	74.39	-----	29.33	-----	45.06
GMW-O-24	10/27/2014	74.39	-----	29.82	-----	44.57
GMW-O-24	04/20/2015	74.39	-----	30.23	-----	44.16
GMW-O-24	06/30/2015	74.39	-----	31.06	-----	43.33
GMW-O-24	10/19/2015	74.39	-----	30.95	-----	43.44
GMW-O-24	04/11/2016	74.39	-----	31.84	-----	42.55
GMW-O-24	10/3/2016	74.39	-----	32.39	-----	42.00
GMW-SF-7	05/28/1996	75.26	-----	26.65	-----	48.61
GMW-SF-7	11/20/1996	75.26	-----	27.71	-----	47.55
GMW-SF-7	12/31/1997	75.26	-----	27.11	-----	48.15

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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-SF-7	05/03/1999	75.26	-----	25.30	-----	49.96
GMW-SF-7	08/09/1999	75.26	-----	25.79	-----	49.47
GMW-SF-7	11/15/1999	75.26	-----	26.38	-----	48.88
GMW-SF-7	05/15/2000	75.26	-----	25.88	-----	49.38
GMW-SF-7	11/13/2000	75.26	-----	26.82	-----	48.44
GMW-SF-7	05/07/2001	75.26	-----	24.35	-----	50.91
GMW-SF-7	11/05/2001	75.26	-----	25.33	-----	49.93
GMW-SF-7	02/01/2002	75.26	-----	25.52	-----	49.74
GMW-SF-7	04/08/2002	75.26	-----	26.60	-----	48.66
GMW-SF-7	10/21/2002	75.26	-----	27.02	-----	48.24
GMW-SF-7	01/27/2003	75.26	-----	26.64	-----	48.62
GMW-SF-7	04/07/2003	75.26	-----	25.70	-----	49.56
GMW-SF-7	07/31/2003	75.26	-----	25.72	-----	49.54
GMW-SF-7	10/06/2003	75.26	-----	26.57	-----	48.69
GMW-SF-7	01/11/2004	75.26	-----	27.54	-----	47.72
GMW-SF-7	01/27/2004	75.26	-----	26.65	-----	48.61
GMW-SF-7	04/19/2004	75.26	-----	26.64	-----	48.62
GMW-SF-7	07/19/2004	75.26	-----	26.89	-----	48.37
GMW-SF-7	02/01/2005	75.26	-----	25.15	-----	50.11
GMW-SF-7	05/02/2005	75.26	-----	20.52	-----	54.74
GMW-SF-7	08/01/2005	75.26	-----	22.03	-----	53.23
GMW-SF-7	10/31/2005	75.26	-----	22.99	-----	52.27
GMW-SF-7	02/27/2006	75.26	-----	23.65	-----	51.61
GMW-SF-7	05/01/2006	75.26	-----	23.68	-----	51.58
GMW-SF-7	09/18/2006	75.26	-----	24.41	-----	50.85
GMW-SF-7	12/04/2006	75.26	-----	24.72	-----	50.54
GMW-SF-7	03/12/2007	75.26	-----	25.18	-----	50.08
GMW-SF-7	04/30/2007	75.26	-----	25.17	-----	50.09
GMW-SF-7	08/28/2007	75.26	-----	25.02	-----	50.24
GMW-SF-7	11/12/2007	75.26	-----	25.57	-----	49.69
GMW-SF-7	04/14/2008	75.26	-----	25.40	-----	49.86
GMW-SF-7	10/13/2008	75.26	-----	26.29	-----	48.97
GMW-SF-7	04/20/2009	75.26	-----	26.26	-----	49.00
GMW-SF-7	10/19/2009	75.26	-----	27.51	-----	47.75
GMW-SF-7	05/24/2010	75.26	-----	27.07	-----	48.19
GMW-SF-7	05/28/2010	75.26	-----	27.06	-----	48.20
GMW-SF-7	10/04/2010	75.26	-----	27.47	-----	47.79
GMW-SF-7	04/11/2011	75.26	-----	26.13	-----	49.13
GMW-SF-7	10/10/2011	75.26	-----	26.93	-----	48.33
GMW-SF-7	04/16/2012	75.26	-----	28.12	-----	47.14
GMW-SF-7	10/15/2012	75.26	-----	28.93	-----	46.33

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	04/08/2013	75.26	-----	29.91	-----	45.35
GMW-SF-7	10/07/2013	75.26	-----	30.08	-----	45.18
GMW-SF-7	04/14/2014	75.26	-----	30.51	-----	44.75
GMW-SF-7	10/27/2014	75.26	-----	30.92	-----	44.34
GMW-SF-7	04/20/2015	75.26	-----	31.30	-----	43.96
GMW-SF-7	10/19/2015	75.26	-----	32.03	-----	43.23
GMW-SF-7	04/11/2016	75.26	-----	33.12	-----	42.14
GMW-SF-7	10/3/2016	75.26	-----	33.72	-----	41.54
GMW-SF-8	05/28/1996	76.75	-----	27.82	-----	48.93
GMW-SF-8	11/20/1996	76.75	-----	28.77	-----	47.98
GMW-SF-8	07/01/1997	76.75	-----	27.35	-----	49.40
GMW-SF-8	12/31/1997	76.75	-----	28.42	-----	48.33
GMW-SF-8	05/03/1999	76.75	-----	26.61	-----	50.14
GMW-SF-8	08/09/1999	76.75	-----	26.99	-----	49.76
GMW-SF-8	11/15/1999	76.75	-----	27.55	-----	49.20
GMW-SF-8	05/15/2000	76.45	-----	27.17	-----	49.28
GMW-SF-8	11/13/2000	76.45	-----	27.97	-----	48.48
GMW-SF-8	05/07/2001	76.45	-----	25.54	-----	50.91
GMW-SF-8	11/05/2001	76.75	-----	26.55	-----	50.20
GMW-SF-8	04/08/2002	76.75	-----	27.73	-----	49.02
GMW-SF-8	10/21/2002	76.75	-----	28.07	-----	48.68
GMW-SF-8	01/27/2003	76.75	-----	27.98	-----	48.77
GMW-SF-8	04/07/2003	76.75	-----	27.63	-----	49.12
GMW-SF-8	07/31/2003	76.75	-----	26.99	-----	49.76
GMW-SF-8	10/06/2003	76.75	-----	27.30	-----	49.45
GMW-SF-8	01/11/2004	76.75	-----	28.54	-----	48.21
GMW-SF-8	01/27/2004	76.75	-----	27.87	-----	48.88
GMW-SF-8	04/19/2004	76.75	-----	27.88	-----	48.87
GMW-SF-8	07/19/2004	76.75	-----	28.05	-----	48.70
GMW-SF-8	02/01/2005	76.75	-----	26.52	-----	50.23
GMW-SF-8	05/02/2005	76.75	-----	21.91	-----	54.84
GMW-SF-8	08/01/2005	76.75	-----	23.33	-----	53.42
GMW-SF-8	10/31/2005	76.75	-----	24.41	-----	52.34
GMW-SF-8	02/27/2006	76.75	-----	24.98	-----	51.77
GMW-SF-8	05/01/2006	76.75	-----	24.98	-----	51.77
GMW-SF-8	09/18/2006	76.75	-----	25.69	-----	51.06
GMW-SF-8	12/04/2006	76.75	-----	26.03	-----	50.72
GMW-SF-8	04/30/2007	76.75	-----	26.45	-----	50.30
GMW-SF-8	11/12/2007	76.75	-----	26.87	-----	49.88
GMW-SF-8	04/14/2008	76.75	-----	26.66	-----	50.09
GMW-SF-8	10/13/2008	76.75	-----	27.75	-----	49.00

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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	04/20/2009	76.75	-----	27.68	-----	49.07
GMW-SF-8	10/19/2009	76.75	-----	29.01	-----	47.74
GMW-SF-8	05/24/2010	76.75	-----	28.34	-----	48.41
GMW-SF-8	05/28/2010	76.75	-----	28.30	-----	48.45
GMW-SF-8	10/04/2010	76.75	-----	28.70	-----	48.05
GMW-SF-8	01/10/2011	76.75	-----	28.85	-----	47.90
GMW-SF-8	04/11/2011	76.75	-----	27.44	-----	49.31
GMW-SF-8	10/10/2011	76.75	-----	28.18	-----	48.57
GMW-SF-8	01/09/2012	76.75	-----	28.92	-----	47.83
GMW-SF-8	04/16/2012	76.75	-----	29.34	-----	47.41
GMW-SF-8	07/09/2012	76.75	-----	30.09	-----	46.66
GMW-SF-8	10/15/2012	76.75	-----	30.21	-----	46.54
GMW-SF-8	01/14/2013	76.75	-----	30.92	-----	45.83
GMW-SF-8	04/08/2013	76.75	-----	30.98	-----	45.77
GMW-SF-8	10/07/2013	76.75	-----	32.16	-----	44.59
GMW-SF-8	04/14/2014	76.75	-----	31.63	-----	45.12
GMW-SF-8	10/27/2014	76.75	-----	32.08	-----	44.67
GMW-SF-8	04/20/2015	76.75	-----	32.59	-----	44.16
GMW-SF-8	10/19/2015	76.75	-----	33.28	-----	43.47
GMW-SF-8	04/11/2016	76.75	-----	34.50	-----	42.25
GMW-SF-8	10/3/2016	76.75	-----	35.01	-----	41.74
GMW-SF-9	04/21/2009	73.00	-----	24.19	-----	48.81
GMW-SF-9	05/24/2010	73.00	-----	28.31	-----	44.69
GMW-SF-9	05/28/2010	73.00	-----	28.37	-----	44.63
GMW-SF-9	10/04/2010	73.00	-----	25.28	-----	47.72
GMW-SF-9	04/11/2011	73.00	-----	23.90	-----	49.10
GMW-SF-9	10/10/2011	73.00	-----	24.70	-----	48.30
GMW-SF-9	04/16/2012	73.00	-----	26.99	-----	46.01
GMW-SF-9	10/15/2012	73.05	-----	34.21	-----	38.84
GMW-SF-9	01/14/2013	73.05	-----	34.32	-----	38.73
GMW-SF-9	04/10/2013	73.05	-----	27.37	-----	45.68
GMW-SF-9	09/05/2014	73.05	28.29	29.33	1.04	NC
GMW-SF-9	04/20/2015	73.05	-----	29.01	-----	44.04
GMW-SF-9	10/21/2015	73.05	-----	29.69	-----	43.36
GMW-SF-10	04/21/2009	75.77	-----	27.10	-----	48.67
GMW-SF-10	10/04/2010	75.77	-----	28.03	-----	47.74
GMW-SF-10	04/11/2011	75.77	-----	26.80	-----	48.97
GMW-SF-10	10/10/2011	75.77	-----	27.60	-----	48.17
GMW-SF-10	04/16/2012	75.77	-----	28.81	-----	46.96
GMW-SF-10	10/15/2012	75.77	-----	29.88	-----	45.89
GW-1	05/01/1998	75.00	-----	27.17	-----	47.83

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	05/25/1999	75.46	-----	27.73	-----	47.73
GW-1	05/15/2000	75.46	-----	28.10	-----	47.36
GW-1	05/07/2001	75.46	-----	27.43	-----	48.03
GW-1	04/08/2002	75.46	-----	28.16	-----	47.30
GW-1	10/21/2002	75.46	-----	27.95	-----	47.51
GW-1	04/07/2003	75.46	-----	27.70	-----	47.76
GW-1	10/06/2003	75.46	-----	27.97	-----	47.49
GW-1	04/19/2004	75.97	-----	29.00	-----	46.97
GW-1	11/01/2004	75.97	-----	28.98	-----	46.99
GW-1	05/02/2005	75.46	-----	25.78	-----	49.68
GW-1	05/01/2006	75.97	-----	26.20	-----	49.77
GW-1	12/01/2006	75.97	-----	26.62	-----	49.35
GW-1	04/30/2007	75.97	-----	26.78	-----	49.19
GW-1	11/12/2007	75.97	-----	27.28	-----	48.69
GW-1	04/11/2008	75.97	-----	26.60	-----	49.37
GW-1	07/24/2008	75.97	-----	26.99	-----	48.98
GW-1	10/13/2008	75.97	-----	27.56	-----	48.41
GW-1	02/09/2009	75.46	-----	27.06	-----	48.40
GW-1	04/07/2010	75.46	-----	29.76	-----	45.70
GW-1	10/01/2010	75.97	-----	29.11	-----	46.86
GW-1	01/06/2011	75.97	-----	29.99	-----	45.98
GW-1	04/12/2011	75.97	-----	28.46	-----	47.51
GW-1	07/07/2011	75.97	-----	28.45	-----	47.52
GW-1	10/07/2011	75.97	-----	28.71	-----	47.26
GW-1	04/12/2012	75.97	-----	29.46	-----	46.51
GW-1	01/10/2013	75.97	-----	30.61	-----	45.36
GW-1	04/02/2013	75.97	-----	30.70	-----	45.27
GW-1	10/01/2013	75.97	-----	31.30	-----	44.67
GW-1	04/07/2014	75.97	-----	32.39	-----	43.58
GW-1	10/27/2014	75.97	-----	32.47	-----	43.50
GW-1	04/20/2015	75.97	-----	32.81	-----	43.16
GW-1	10/19/2015	75.97	-----	33.54	-----	42.43
GW-1	10/3/2016	75.97	-----	34.47	-----	41.50
GW-2	05/01/1998	75.00	-----	27.65	-----	47.35
GW-2	05/25/1999	76.39	-----	28.47	-----	47.92
GW-2	05/15/2000	76.39	-----	28.88	-----	47.51
GW-2	05/07/2001	76.39	-----	28.22	-----	48.17
GW-2	04/08/2002	76.39	-----	28.85	-----	47.54
GW-2	10/21/2002	76.39	-----	28.75	-----	47.64
GW-2	04/07/2003	76.39	-----	28.58	-----	47.81
GW-2	10/06/2003	76.39	-----	28.67	-----	47.72

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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-2	04/19/2004	75.78	-----	28.75	-----	47.03
GW-2	11/01/2004	75.78	-----	28.72	-----	47.06
GW-2	05/02/2005	76.39	-----	26.05	-----	50.34
GW-2	05/01/2006	75.78	-----	25.84	-----	49.94
GW-2	12/01/2006	75.78	-----	26.23	-----	49.55
GW-2	04/30/2007	75.78	-----	26.52	-----	49.26
GW-2	04/11/2008	76.39	-----	27.39	-----	49.00
GW-2	07/24/2008	76.39	-----	27.88	-----	48.51
GW-2	10/13/2008	76.39	-----	28.31	-----	48.08
GW-2	02/09/2009	76.39	-----	27.61	-----	48.78
GW-2	01/11/2010	76.39	-----	29.26	-----	47.13
GW-2	04/07/2010	76.39	-----	29.45	-----	46.94
GW-2	01/06/2011	75.78	-----	32.45	-----	43.33
GW-2	04/06/2011	75.78	-----	28.31	-----	47.47
GW-2	07/07/2011	75.78	-----	28.25	-----	47.53
GW-2	10/06/2011	75.78	-----	28.47	-----	47.31
GW-2	04/12/2012	75.78	-----	29.34	-----	46.44
GW-2	04/19/2012	75.78	-----	28.99	-----	46.79
GW-2	01/10/2013	75.78	-----	30.42	-----	45.36
GW-2	04/02/2013	75.78	-----	30.25	-----	45.53
GW-2	04/08/2013	75.78	-----	30.11	-----	45.67
GW-2	10/01/2013	75.78	-----	30.95	-----	44.83
GW-2	04/07/2014	75.78	-----	32.10	-----	43.68
GW-2	04/15/2014	75.78	-----	31.82	-----	43.96
GW-2	10/27/2014	75.78	-----	32.16	-----	43.62
GW-2	04/20/2015	75.78	-----	32.53	-----	43.25
GW-2	10/19/2015	75.78	-----	33.21	-----	42.57
GW-2	04/11/2016	75.78	-----	33.61	-----	42.17
GW-2	10/3/2016	75.78	-----	34.08	-----	41.70
GW-3	05/01/1998	75.00	-----	28.26	-----	46.74
GW-3	05/25/1999	76.56	-----	28.90	-----	47.66
GW-3	05/15/2000	76.56	-----	29.29	-----	47.27
GW-3	05/07/2001	76.56	-----	28.63	-----	47.93
GW-3	04/08/2002	76.56	-----	29.23	-----	47.33
GW-3	10/21/2002	76.56	-----	29.26	-----	47.30
GW-3	04/07/2003	76.56	-----	28.25	-----	48.31
GW-3	10/06/2003	76.56	-----	29.06	-----	47.50
GW-3	04/19/2004	76.56	-----	30.24	-----	46.32
GW-3	11/01/2004	75.79	-----	28.84	-----	46.95
GW-3	05/02/2005	76.56	-----	25.65	-----	50.91
GW-3	05/01/2006	75.79	-----	25.90	-----	49.89

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)
GW-3	12/01/2006	75.79	-----	26.31	-----	49.48
GW-3	04/30/2007	73.86	-----	26.65	-----	47.21
GW-3	11/12/2007	75.79	-----	27.11	-----	48.68
GW-3	04/11/2008	76.56	-----	27.92	-----	48.64
GW-3	07/24/2008	75.79	-----	27.79	-----	48.00
GW-3	10/13/2008	75.79	-----	28.39	-----	47.40
GW-3	02/09/2009	75.79	-----	27.12	-----	48.67
GW-3	04/20/2009	75.79	-----	26.30	-----	49.49
GW-3	10/19/2009	75.79	-----	29.24	-----	46.55
GW-3	04/07/2010	76.56	-----	55.57	-----	20.99
GW-3	04/12/2010	75.79	-----	28.84	-----	46.95
GW-3	10/01/2010	75.79	-----	29.10	-----	46.69
GW-3	04/06/2011	75.79	-----	28.50	-----	47.29
GW-3	07/08/2011	75.79	-----	28.36	-----	47.43
GW-3	10/06/2011	75.79	-----	28.65	-----	47.14
GW-3	04/12/2012	75.79	-----	29.35	-----	46.44
GW-3	01/10/2013	75.79	-----	30.49	-----	45.30
GW-3	04/02/2013	75.79	-----	30.38	-----	45.41
GW-3	04/08/2013	75.79	-----	30.26	-----	45.53
GW-3	10/01/2013	75.79	-----	31.14	-----	44.65
GW-3	04/09/2014	75.79	-----	31.99	-----	43.80
GW-3	04/15/2014	75.79	-----	31.92	-----	43.87
GW-3	10/27/2014	75.79	-----	32.34	-----	43.45
GW-3	04/20/2015	75.79	-----	32.72	-----	43.07
GW-3	10/19/2015	75.79	-----	33.39	-----	42.40
GW-3	04/11/2016	75.79	-----	33.76	-----	42.03
GW-3	10/3/2016	75.79	-----	34.29	-----	41.50
GW-4	05/01/1998	78.51	-----	30.45	-----	48.06
GW-4	05/25/1999	74.77	-----	26.97	-----	47.80
GW-4	05/15/2000	74.77	-----	27.80	-----	46.97
GW-4	05/07/2001	74.77	-----	26.87	-----	47.90
GW-4	04/08/2002	74.77	-----	27.60	-----	47.17
GW-4	10/21/2002	74.77	-----	27.60	-----	47.17
GW-4	04/07/2003	74.77	-----	27.25	-----	47.52
GW-4	10/06/2003	74.77	-----	27.40	-----	47.37
GW-4	04/19/2004	74.77	-----	28.07	-----	46.70
GW-4	11/01/2004	74.77	-----	28.09	-----	46.68
GW-4	05/01/2006	73.86	-----	28.52	-----	45.34
GW-4	11/12/2007	74.77	-----	26.40	-----	48.37
GW-4	04/11/2008	74.77	-----	26.32	-----	48.45
GW-4	07/24/2008	74.77	-----	26.71	-----	48.06

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)
GW-4	10/13/2008	74.77	-----	27.31	-----	47.46
GW-4	02/09/2009	74.77	-----	26.05	-----	48.72
GW-4	04/07/2010	74.77	-----	28.12	-----	46.65
GW-4	10/19/2015	73.86	-----	31.79	-----	42.07
GW-4	04/11/2016	73.86	-----	32.19	-----	41.67
GW-4	10/3/2016	73.86	-----	32.82	-----	41.04
GW-5	05/01/1998	75.00	-----	26.42	-----	48.58
GW-5	05/25/1999	77.09	-----	29.01	-----	48.08
GW-5	05/15/2000	77.09	-----	36.26	-----	40.83
GW-5	05/07/2001	77.09	-----	30.32	-----	46.77
GW-5	04/08/2002	77.09	-----	29.75	-----	47.34
GW-5	10/21/2002	77.09	-----	30.27	-----	46.82
GW-5	04/07/2003	77.09	-----	29.30	-----	47.79
GW-5	10/06/2003	77.09	-----	29.34	-----	47.75
GW-5	04/19/2004	77.09	-----	30.24	-----	46.85
GW-5	11/01/2004	77.09	-----	30.02	-----	47.07
GW-5	05/02/2005	77.09	-----	25.81	-----	51.28
GW-5	05/01/2006	77.09	-----	26.87	-----	50.22
GW-5	12/01/2006	77.09	-----	27.45	-----	49.64
GW-5	04/27/2007	77.09	-----	27.75	-----	49.34
GW-5	11/12/2007	77.09	-----	28.36	-----	48.73
GW-5	04/11/2008	77.09	-----	28.17	-----	48.92
GW-5	07/24/2008	77.09	-----	28.62	-----	48.47
GW-5	10/13/2008	77.09	-----	29.21	-----	47.88
GW-5	02/09/2009	76.99	-----	27.68	-----	49.31
GW-5	04/07/2010	76.99	-----	29.88	-----	47.11
GW-5	10/01/2010	76.99	-----	30.03	-----	46.96
GW-5	01/06/2011	76.99	-----	30.18	-----	46.81
GW-5	04/06/2011	76.99	-----	29.11	-----	47.88
GW-5	07/08/2011	76.99	-----	29.24	-----	47.75
GW-5	10/06/2011	76.99	-----	29.58	-----	47.41
GW-5	04/12/2012	76.99	-----	30.48	-----	46.51
GW-5	01/10/2013	76.99	-----	31.68	-----	45.31
GW-5	04/02/2013	76.99	-----	31.59	-----	45.40
GW-5	10/01/2013	76.99	-----	32.33	-----	44.66
GW-5	04/07/2014	76.99	-----	33.22	-----	43.77
GW-5	10/27/2014	76.99	-----	33.45	-----	43.54
GW-5	Well decommissioned in December 2014 prior to remedial excavation					
GW-6	05/01/1998	75.00	-----	26.27	-----	48.73
GW-6	05/25/1999	77.41	-----	29.61	-----	47.80
GW-6	05/15/2000	77.41	-----	30.25	-----	47.16

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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-6	05/07/2001	77.41	-----	30.31	-----	47.10
GW-6	04/08/2002	77.41	-----	30.01	-----	47.40
GW-6	10/21/2002	77.41	-----	27.32	-----	50.09
GW-6	04/07/2003	77.41	-----	28.45	-----	48.96
GW-6	10/06/2003	77.41	-----	28.65	-----	48.76
GW-6	04/19/2004	76.38	-----	29.64	-----	46.74
GW-6	11/01/2004	77.41	-----	30.32	-----	47.09
GW-6	05/02/2005	77.41	-----	26.27	-----	51.14
GW-6	05/01/2006	76.38	-----	26.20	-----	50.18
GW-6	12/01/2006	76.38	-----	26.86	-----	49.52
GW-6	04/27/2007	76.38	-----	27.14	-----	49.24
GW-6	11/12/2007	77.41	-----	27.75	-----	49.66
GW-6	04/11/2008	76.38	-----	27.52	-----	48.86
GW-6	07/24/2008	76.38	-----	27.75	-----	48.63
GW-6	10/13/2008	76.38	-----	28.54	-----	47.84
GW-6	02/09/2009	76.38	-----	27.38	-----	49.00
GW-6	04/20/2009	76.38	-----	28.41	-----	47.97
GW-6	10/19/2009	76.38	-----	29.32	-----	47.06
GW-6	04/07/2010	76.38	-----	30.21	-----	46.17
GW-6	04/12/2010	76.38	-----	29.61	-----	46.77
GW-6	01/06/2011	76.38	-----	29.45	-----	46.93
GW-6	04/06/2011	76.38	-----	28.35	-----	48.03
GW-6	07/07/2011	76.38	28.51	28.52	0.01	NC
GW-6	10/06/2011	76.38	-----	28.88	-----	47.50
GW-6	04/12/2012	76.38	-----	29.88	-----	46.50
GW-6	04/18/2012	76.38	-----	29.65	-----	46.73
GW-6	01/10/2013	76.38	-----	31.13	-----	45.25
GW-6	04/02/2013	76.38	-----	31.03	-----	45.35
GW-6	04/08/2013	76.38	-----	31.00	-----	45.38
GW-6	10/01/2013	76.38	-----	31.78	-----	44.60
GW-6	04/09/2014	76.38	-----	32.55	-----	43.83
GW-6	04/15/2014	76.38	-----	32.43	-----	43.95
GW-6	10/27/2014	76.38	-----	32.87	-----	43.51
GW-6	04/20/2015	76.38	-----	33.23	-----	43.15
GW-6	10/3/2016	76.38	-----	34.88	-----	41.50
GW-7	05/01/1998	75.00	-----	26.14	-----	48.86
GW-7	05/25/1999	76.46	-----	28.29	-----	48.17
GW-7	05/15/2000	76.46	-----	28.45	-----	48.01
GW-7	04/08/2002	76.46	-----	27.66	-----	48.80
GW-7	10/21/2002	76.76	-----	27.20	-----	49.56
GW-7	04/07/2003	76.76	-----	28.40	-----	48.36

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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-7	10/06/2003	76.76	-----	28.83	-----	47.93
GW-7	04/19/2004	75.02	-----	28.65	-----	46.37
GW-7	11/01/2004	76.76	-----	28.91	-----	47.85
GW-7	05/02/2005	76.76	-----	25.45	-----	51.31
GW-7	05/01/2006	75.02	-----	24.78	-----	50.24
GW-7	12/01/2006	75.02	-----	25.41	-----	49.61
GW-7	04/30/2007	75.02	-----	25.84	-----	49.18
GW-7	04/11/2008	76.76	-----	27.50	-----	49.26
GW-7	07/24/2008	76.46	-----	27.62	-----	48.84
GW-7	10/14/2008	76.46	-----	28.55	-----	47.91
GW-7	02/10/2009	75.02	-----	27.75	-----	47.27
GW-7	04/08/2010	76.76	-----	29.04	-----	47.72
GW-7	10/01/2010	75.02	-----	27.91	-----	47.11
GW-7	01/07/2011	75.02	-----	28.12	-----	46.90
GW-7	04/06/2011	75.02	-----	26.94	-----	48.08
GW-7	07/08/2011	75.02	-----	27.00	-----	48.02
GW-7	10/06/2011	75.02	-----	27.50	-----	47.52
GW-7	01/11/2013	75.02	-----	30.25	-----	44.77
GW-7	04/03/2013	75.02	-----	30.03	-----	44.99
GW-7	10/02/2013	75.02	-----	30.44	-----	44.58
GW-7	04/09/2014	75.02	-----	31.22	-----	43.80
GW-7	10/27/2014	75.02	-----	31.64	-----	43.38
GW-7	04/20/2015	75.02	-----	31.95	-----	43.07
GW-7	10/19/2015	75.02	33.29	33.52	0.23	NC
GW-7	10/3/2016	75.02	-----	33.69	-----	41.33
GW-8	05/01/1998	75.00	-----	26.17	-----	48.83
GW-8	05/25/1999	76.88	-----	28.59	-----	48.29
GW-8	05/15/2000	76.88	-----	36.92	-----	39.96
GW-8	05/07/2001	76.88	-----	34.15	-----	42.73
GW-8	04/08/2002	76.88	-----	33.15	-----	43.73
GW-8	10/21/2002	76.88	-----	28.24	-----	48.64
GW-8	04/07/2003	76.88	-----	29.04	-----	47.84
GW-8	10/06/2003	76.88	-----	29.10	-----	47.78
GW-8	04/19/2004	76.88	-----	30.00	-----	46.88
GW-8	11/01/2004	76.88	-----	29.85	-----	47.03
GW-8	05/02/2005	76.88	-----	25.45	-----	51.43
GW-8	03/06/2006	76.15	-----	26.38	-----	49.77
GW-8	05/01/2006	76.88	-----	26.66	-----	50.22
GW-8	08/26/2006	76.88	-----	26.91	-----	49.97
GW-8	12/01/2006	76.15	-----	26.53	-----	49.62
GW-8	03/21/2007	76.88	-----	27.52	-----	49.36

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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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)
GW-8	04/27/2007	76.88	-----	26.91	-----	49.97
GW-8	08/28/2007	76.88	-----	26.91	-----	49.97
GW-8	11/12/2007	76.88	-----	27.52	-----	49.36
GW-8	02/05/2008	76.15	-----	28.62	-----	47.53
GW-8	04/11/2008	76.15	-----	27.35	-----	48.80
GW-8	07/24/2008	76.15	-----	27.81	-----	48.34
GW-8	10/13/2008	76.15	-----	28.40	-----	47.75
GW-8	02/09/2009	76.15	-----	28.59	-----	47.56
GW-8	07/16/2009	76.15	-----	28.48	-----	47.67
GW-8	04/07/2010	76.15	-----	29.04	-----	47.11
GW-8	10/01/2010	76.15	-----	29.19	-----	46.96
GW-8	01/06/2011	76.15	-----	29.32	-----	46.83
GW-8	04/06/2011	76.15	-----	28.27	-----	47.88
GW-8	07/07/2011	76.15	-----	28.41	-----	47.74
GW-8	10/06/2011	76.15	-----	28.76	-----	47.39
GW-8	04/12/2012	76.15	-----	29.98	-----	46.17
GW-8	01/10/2013	76.15	-----	30.85	-----	45.30
GW-8	04/02/2013	76.15	-----	30.80	-----	45.35
GW-8	10/01/2013	76.15	-----	31.53	-----	44.62
GW-8	04/07/2014	76.15	-----	32.31	-----	43.84
GW-8	04/17/2014	76.15	-----	31.99	-----	44.16
GW-8	10/27/2014	76.15	-----	32.62	-----	43.53
GW-8	04/20/2015	76.15	-----	32.95	-----	43.20
GW-8	10/20/2015	76.15	-----	33.76	-----	42.39
GW-8	10/3/2016	76.15	-----	34.58	-----	41.57
GW-13	11/12/2007	76.85	-----	28.31	-----	48.54
GW-13	07/24/2008	77.45	-----	28.91	-----	48.54
GW-13	10/13/2008	77.45	-----	29.29	-----	48.16
GW-13	02/09/2009	76.85	-----	28.88	-----	47.97
GW-13	04/20/2009	76.85	-----	29.48	-----	47.37
GW-13	10/19/2009	76.85	-----	29.92	-----	46.93
GW-13	04/12/2010	76.85	-----	29.91	-----	46.94
GW-13	01/06/2011	76.85	-----	33.10	-----	43.75
GW-13	04/08/2011	76.85	-----	29.49	-----	47.36
GW-13	07/07/2011	76.85	-----	29.45	-----	47.40
GW-13	10/06/2011	76.85	-----	29.64	-----	47.21
GW-13	04/12/2012	76.85	-----	30.52	-----	46.33
GW-13	04/18/2012	76.85	-----	30.27	-----	46.58
GW-13	01/10/2013	76.85	-----	31.63	-----	45.22
GW-13	04/02/2013	76.85	-----	31.51	-----	45.34
GW-13	04/08/2013	76.85	-----	31.41	-----	45.44

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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-13	10/01/2013	76.85	-----	32.24	-----	44.61
GW-13	04/07/2014	76.85	-----	33.28	-----	43.57
GW-13	04/15/2014	76.85	-----	33.00	-----	43.85
GW-13	10/27/2014	76.85	-----	33.35	-----	43.50
GW-13	04/20/2015	76.85	-----	33.72	-----	43.13
GW-13	10/19/2015	76.85	-----	34.42	-----	42.43
GW-13	04/11/2016	76.85	-----	34.82	-----	42.03
GW-13	10/3/2016	76.85	-----	35.32	-----	41.53
GW-13(1in)	04/11/2008	77.10	-----	28.30	-----	48.80
GW-13(1in)	01/11/2010	77.10	-----	30.24	-----	46.86
GW-13(1in)	04/07/2010	77.10	-----	30.08	-----	47.02
GW-14	11/09/2007	76.54	-----	27.85	-----	48.69
GW-14	04/14/2008	76.54	-----	27.36	-----	49.18
GW-14	07/24/2008	76.54	-----	26.02	-----	50.52
GW-14	10/13/2008	76.54	-----	28.79	-----	47.75
GW-14	02/10/2009	76.54	-----	26.62	-----	49.92
GW-14	04/20/2009	76.54	-----	28.27	-----	48.27
GW-14	10/19/2009	76.54	-----	27.46	-----	49.08
GW-14	04/08/2010	76.54	-----	28.70	-----	47.84
GW-14	04/12/2010	76.54	-----	28.40	-----	48.14
GW-14	01/08/2011	76.54	-----	29.45	-----	47.09
GW-14	04/08/2011	76.54	-----	27.98	-----	48.56
GW-14	07/08/2011	76.54	-----	28.31	-----	48.23
GW-14	10/06/2011	76.54	-----	28.93	-----	47.61
GW-14	04/12/2012	76.54	-----	29.95	-----	46.59
GW-14	04/20/2012	76.54	-----	29.90	-----	46.64
GW-14	01/10/2013	76.54	-----	33.29	-----	43.25
GW-14	04/03/2013	76.54	-----	31.29	-----	45.25
GW-14	04/08/2013	76.54	-----	31.17	-----	45.37
GW-14	10/02/2013	76.54	-----	32.04	-----	44.50
GW-14	04/09/2014	76.54	-----	32.65	-----	43.89
GW-14	04/16/2014	76.54	-----	32.42	-----	44.12
GW-14	10/27/2014	76.54	-----	32.87	-----	43.67
GW-14	Well decommissioned in December 2014 prior to remedial excavation					
GW-14(1in)	01/12/2010	76.55	-----	29.84	-----	46.71
GW-15	04/11/2008	74.94	-----	26.19	-----	48.75
GW-15	04/12/2010	74.94	27.58	29.63	2.05	NC
GW-15	04/08/2011	74.94	26.75	26.76	0.01	NC
GW-15	07/07/2011	74.94	27.57	27.61	0.04	NC
GW-15	10/06/2011	74.94	28.38	28.40	0.02	NC
GW-15	04/12/2012	74.94	29.54	29.55	0.01	NC

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	01/11/2013	74.94	-----	30.39	-----	44.55
GW-15	04/03/2013	74.94	29.13	35.20	6.07	NC
GW-15	10/02/2013	74.94	31.70	35.01	3.31	NC
GW-15	04/09/2014	74.94	-----	32.08	-----	42.86
GW-15	04/17/2014	74.94	31.50	33.00	1.50	NC
GW-15	10/27/2014	74.94	32.82	32.87	0.05	NC
GW-15	04/20/2015	74.94	----	32.39	----	42.55
GW-15	10/21/2015	74.94	----	33.34	----	41.60
GW-15	04/13/2016	74.94	33.68	33.75	0.07	NC
GW-15	10/3/2016	74.94	-----	34.31	-----	40.63
GW-15(1in)	07/24/2008	75.36	27.50	27.55	0.05	NC
GW-15(1in)	10/16/2008	75.36	28.15	28.16	0.01	NC
GW-15(1in)	02/09/2009	75.36	27.98	28.02	0.04	NC
GW-15(1in)	07/17/2009	75.36	28.51	28.59	0.08	NC
GW-15(1in)	04/08/2010	75.36	27.74	29.43	1.69	NC
GW-16	10/19/2009	76.33	-----	29.94	-----	46.39
GW-16	04/12/2010	76.33	-----	28.71	-----	47.62
GW-16	07/07/2011	76.33	-----	28.96	-----	47.37
GW-16	10/06/2011	76.33	-----	29.34	-----	46.99
GW-16	04/12/2012	76.33	-----	30.12	-----	46.21
GW-16	01/11/2013	76.33	-----	31.30	-----	45.03
GW-16	04/03/2013	76.33	-----	31.10	-----	45.23
GW-16	10/02/2013	76.33	-----	31.77	-----	44.56
GW-16	04/09/2014	76.33	-----	32.09	-----	44.24
GW-16	04/16/2014	76.33	-----	31.95	-----	44.38
GW-16	10/27/2014	76.33	-----	32.46	-----	43.87
GW-16	04/20/2015	76.33	-----	32.71	-----	43.62
GW-16	10/21/2015	76.33	-----	33.55	-----	42.78
GW-16	04/13/2016	76.33	-----	34.12	-----	42.21
GW-16	10/3/2016	76.33	-----	34.65	-----	41.68
GW-16(1in)	07/17/2009	76.55	-----	28.87	-----	47.68
GW-16(1in)	01/12/2010	76.55	-----	29.94	-----	46.61
GW-16(1in)	04/07/2011	76.33	-----	28.55	-----	47.78
GWR-1	11/20/1996	73.65	-----	26.79	-----	46.86
GWR-1	07/01/1997	73.65	-----	27.69	-----	45.96
GWR-1	12/31/1997	73.65	-----	27.34	-----	46.31
GWR-1	05/01/1998	73.65	-----	24.04	-----	49.61
GWR-1	05/07/1999	73.65	-----	25.56	-----	48.09
GWR-1	08/09/1999	73.65	-----	25.64	-----	48.01
GWR-1	11/15/1999	73.65	-----	25.86	-----	47.79
GWR-1	05/15/2000	73.65	-----	25.65	-----	48.00

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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	11/13/2000	73.65	-----	26.40	-----	47.25
GWR-1	05/07/2001	73.65	-----	24.75	-----	48.90
GWR-1	08/07/2001	73.65	-----	24.39	-----	49.26
GWR-1	11/05/2001	73.65	-----	24.80	-----	48.85
GWR-1	04/08/2002	73.65	-----	29.39	-----	44.26
GWR-1	10/21/2002	73.65	-----	26.03	-----	47.62
GWR-1	04/07/2003	73.65	-----	25.69	-----	47.96
GWR-1	10/06/2003	73.65	-----	25.36	-----	48.29
GWR-1	01/11/2004	73.65	-----	26.72	-----	46.93
GWR-1	05/02/2005	73.65	-----	21.62	-----	52.03
GWR-1	08/01/2005	73.65	-----	22.06	-----	51.59
GWR-1	10/31/2005	73.65	-----	24.16	-----	49.49
GWR-1	05/01/2006	73.65	-----	22.70	-----	50.95
GWR-1	09/18/2006	73.65	-----	24.31	-----	49.34
GWR-1	12/04/2006	73.65	-----	23.95	-----	49.70
GWR-1	04/30/2007	73.65	-----	41.65	-----	32.00
GWR-1	11/12/2007	73.65	-----	24.05	-----	49.60
GWR-1	04/14/2008	73.65	-----	24.40	-----	49.25
GWR-1	10/13/2008	73.65	-----	25.06	-----	48.59
GWR-1	04/20/2009	77.40	-----	28.78	-----	48.62
GWR-1	10/19/2009	77.40	-----	29.98	-----	47.42
GWR-1	05/24/2010	77.40	-----	26.37	-----	51.03
GWR-1	05/28/2010	77.40	-----	25.91	-----	51.49
GWR-1	10/04/2010	77.40	-----	26.15	-----	51.25
GWR-1	04/11/2011	77.40	-----	27.50	-----	49.90
GWR-1	10/10/2011	77.40	-----	25.45	-----	51.95
GWR-1	04/16/2012	77.40	-----	27.53	-----	49.87
GWR-1	10/15/2012	77.40	-----	29.21	-----	48.19
GWR-1	04/08/2013	77.40	-----	29.28	-----	48.12
GWR-1	10/07/2013	77.40	-----	29.66	-----	47.74
GWR-1	04/14/2014	77.40	-----	30.31	-----	47.09
GWR-1	10/27/2014	77.40	-----	30.81	-----	46.59
GWR-1	Well decommissioned in December 2014 prior to remedial excavation					
GWR-2	08/09/1999	73.66	-----	25.74	-----	47.92
GWR-2	10/21/2002	73.66	-----	25.89	-----	47.77
GWR-2	04/07/2003	73.66	-----	26.68	-----	46.98
GWR-3	08/09/1999	74.93	27.45	29.30	1.85	NC
GWR-3	05/15/2000	74.93	28.67	31.92	3.25	NC
GWR-3	11/13/2000	74.93	-----	37.59	-----	37.34
GWR-3	05/07/2001	74.93	27.20	28.15	0.95	NC
GWR-3	11/05/2001	74.93	-----	27.95	-----	46.98

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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-3	04/08/2002	74.93	-----	27.58	-----	47.35
GWR-3	05/02/2005	74.93	-----	26.12	-----	48.81
GWR-3	05/01/2006	74.93	-----	26.46	-----	48.47
GWR-3	12/04/2006	74.93	-----	28.27	-----	46.66
GWR-3	04/30/2007	74.93	-----	27.97	-----	46.96
GWR-3	11/12/2007	74.93	-----	27.90	-----	47.03
GWR-3	10/17/2008	74.93	-----	29.88	-----	45.05
GWR-3	04/21/2009	74.93	-----	29.97	-----	44.96
GWR-3	10/04/2010	74.93	-----	30.67	-----	44.26
GWR-3	04/11/2011	74.93	-----	29.94	-----	44.99
GWR-3	10/10/2011	74.93	-----	29.22	-----	45.71
GWR-3	04/16/2012	74.93	-----	29.56	-----	45.37
GWR-3	10/15/2012	77.60	-----	31.21	-----	46.39
GWR-3	04/08/2013	77.60	29.18	29.21	0.03	NC
GWR-3	10/07/2013	77.60	31.67	36.20	4.53	NC
GWR-3	04/14/2014	77.60	32.23	38.80	6.57	NC
GWR-3	10/27/2014	77.60	33.49	34.68	1.19	NC
GWR-3	04/20/2015	77.60	33.34	37.25	3.91	NC
GWR-3	07/24/2015	77.60	33.95	41.30	7.35	NC
GWR-3	10/20/2015	77.60	34.65	35.98	1.33	NC
GWR-3	04/11/2016	77.60	-----	36.90	-----	40.70
GWR-3	10/3/2016	77.60	39.15	39.20	0.05	NC
HL-1	08/07/2001	75.83	-----	26.46	-----	49.37
HL-1	04/08/2002	75.83	-----	27.30	-----	48.53
HL-1	11/04/2002	75.83	-----	28.12	-----	47.71
HL-1	04/07/2003	75.83	-----	27.72	-----	48.11
HL-1	10/06/2003	75.83	-----	27.30	-----	48.53
HL-1	01/11/2004	75.83	-----	28.72	-----	47.11
HL-1	04/19/2004	75.83	-----	28.41	-----	47.42
HL-1	05/02/2005	75.83	-----	23.71	-----	52.12
HL-1	10/31/2005	75.83	-----	25.43	-----	50.40
HL-2	05/28/1996	76.91	-----	30.94	-----	45.97
HL-2	11/20/1996	76.91	-----	30.15	-----	46.76
HL-2	07/01/1997	76.91	-----	31.20	-----	45.71
HL-2	12/31/1997	76.91	-----	30.34	-----	46.57
HL-2	05/01/1998	76.91	-----	28.16	-----	48.75
HL-2	05/04/1999	76.91	-----	28.10	-----	48.81
HL-2	08/09/1999	76.91	-----	28.37	-----	48.54
HL-2	11/15/1999	76.91	-----	28.08	-----	48.83
HL-2	05/15/2000	76.91	-----	28.23	-----	48.68
HL-2	11/13/2000	76.91	-----	29.21	-----	47.70

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HL-2	05/07/2001	76.91	-----	25.99	-----	50.92
HL-2	05/10/2001	76.91	-----	27.89	-----	49.02
HL-2	11/05/2001	76.91	-----	27.76	-----	49.15
HL-2	04/08/2002	76.91	-----	28.12	-----	48.79
HL-2	10/21/2002	76.91	-----	28.40	-----	48.51
HL-2	04/07/2003	76.91	-----	28.70	-----	48.21
HL-2	07/07/2003	76.94	-----	28.61	-----	48.33
HL-2	10/06/2003	76.91	-----	28.50	-----	48.41
HL-2	01/20/2004	76.94	-----	28.90	-----	48.04
HL-2	04/19/2004	76.94	-----	29.24	-----	47.70
HL-2	04/27/2004	76.94	-----	29.38	-----	47.56
HL-2	06/07/2004	76.94	-----	29.58	-----	47.36
HL-2	07/08/2004	76.94	-----	29.59	-----	47.35
HL-2	05/02/2005	76.94	-----	26.61	-----	50.33
HL-2	10/31/2005	76.94	-----	25.80	-----	51.14
HL-2	05/01/2006	76.94	-----	26.04	-----	50.90
HL-2	12/04/2006	76.94	-----	26.83	-----	50.11
HL-2	04/30/2007	76.94	-----	26.81	-----	50.13
HL-2	11/12/2007	76.94	-----	27.29	-----	49.65
HL-2	04/14/2008	76.94	-----	27.10	-----	49.84
HL-2	10/13/2008	76.94	-----	28.06	-----	48.88
HL-2	04/20/2009	76.94	-----	28.28	-----	48.66
HL-2	10/19/2009	76.94	-----	29.03	-----	47.91
HL-2	05/24/2010	76.94	-----	29.36	-----	47.58
HL-2	05/28/2010	76.94	-----	29.38	-----	47.56
HL-2	10/04/2010	76.94	-----	29.25	-----	47.69
HL-2	01/10/2011	76.94	-----	29.90	-----	47.04
HL-2	04/11/2011	76.94	-----	28.73	-----	48.21
HL-2	10/10/2011	76.94	-----	28.54	-----	48.40
HL-2	01/09/2012	76.94	-----	29.10	-----	47.84
HL-2	04/16/2012	76.94	-----	29.50	-----	47.44
HL-2	07/09/2012	76.94	-----	30.22	-----	46.72
HL-2	10/15/2012	76.94	-----	30.22	-----	46.72
HL-2	01/14/2013	76.94	-----	31.02	-----	45.92
HL-2	04/08/2013	76.94	-----	30.99	-----	45.95
HL-2	10/07/2013	76.94	-----	32.21	-----	44.73
HL-2	04/14/2014	76.94	-----	32.53	-----	44.41
HL-2	10/27/2014	76.94	-----	32.89	-----	44.05
HL-2	04/20/2015	76.94	-----	33.37	-----	43.57
HL-2	10/19/2015	76.94	-----	34.08	-----	42.86
HL-2	04/11/2016	76.94	-----	35.51	-----	41.43

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HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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	10/3/2016	76.94	-----	35.17	-----	41.77
HL-3	05/07/2001	76.86	-----	27.92	-----	48.94
HL-3	11/05/2001	76.86	-----	27.99	-----	48.87
HL-3	04/08/2002	76.86	-----	28.73	-----	48.13
HL-3	10/21/2002	76.86	-----	29.13	-----	47.73
HL-3	04/07/2003	76.86	-----	29.04	-----	47.82
HL-3	10/06/2003	76.86	-----	28.74	-----	48.12
HL-3	01/11/2004	76.86	-----	30.21	-----	46.65
HL-3	04/19/2004	76.86	-----	29.98	-----	46.88
HL-3	05/02/2005	76.86	-----	24.80	-----	52.06
HL-3	10/31/2005	76.86	-----	26.28	-----	50.58
HL-3	05/01/2006	76.86	-----	26.01	-----	50.85
HL-3	12/04/2006	76.86	-----	26.86	-----	50.00
HL-3	04/30/2007	76.86	-----	26.92	-----	49.94
HL-3	11/12/2007	76.86	-----	27.39	-----	49.47
HL-3	04/14/2008	76.86	-----	27.62	-----	49.24
HL-3	10/13/2008	76.86	-----	28.29	-----	48.57
HL-3	04/20/2009	76.86	-----	28.45	-----	48.41
HL-3	10/19/2009	76.86	-----	29.46	-----	47.40
HL-3	05/24/2010	76.86	-----	29.27	-----	47.59
HL-3	05/28/2010	76.86	-----	29.34	-----	47.52
HL-3	10/04/2010	76.86	-----	29.36	-----	47.50
HL-3	04/11/2011	76.86	-----	28.28	-----	48.58
HL-3	10/10/2011	76.86	-----	28.70	-----	48.16
HL-3	04/16/2012	76.86	-----	29.83	-----	47.03
HL-3	10/15/2012	76.86	-----	30.64	-----	46.22
HL-3	04/08/2013	76.86	-----	31.61	-----	45.25
HL-3	10/07/2013	76.86	-----	32.50	-----	44.36
HL-3	04/14/2014	76.86	-----	32.68	-----	44.18
HL-3	04/14/2014	76.86	-----	32.68	-----	44.18
HL-3	04/20/2015	76.86	-----	33.43	-----	43.43
HL-3	10/19/2015	76.86	-----	34.15	-----	42.71
HL-3	04/11/2016	76.86	-----	36.03	-----	40.83
HL-3	10/3/2016	76.86	-----	37.22	-----	39.64
HL-4	05/07/1999	75.75	-----	27.76	-----	47.99
HL-4	08/09/1999	75.75	-----	27.77	-----	47.98
HL-4	11/15/1999	75.75	-----	27.85	-----	47.90
HL-4	05/15/2000	75.75	-----	19.32	-----	56.43
HL-4	11/13/2000	75.75	-----	28.59	-----	47.16
HL-4	05/07/2001	75.75	-----	26.93	-----	48.82
HL-4	11/05/2001	75.75	-----	26.90	-----	48.85

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-4	04/08/2002	75.75	-----	27.42	-----	48.33
HL-4	10/21/2002	75.75	-----	28.02	-----	47.73
HL-4	04/07/2003	75.75	-----	25.86	-----	49.89
HL-4	10/06/2003	75.75	-----	27.59	-----	48.16
HL-4	01/11/2004	75.75	-----	29.01	-----	46.74
HL-4	04/19/2004	75.75	-----	28.81	-----	46.94
HL-5	08/07/2001	76.53	-----	27.29	-----	49.24
HL-5	10/21/2002	76.13	-----	28.40	-----	47.73
HL-5	04/07/2003	76.13	-----	26.06	-----	50.07
HL-5	10/06/2003	76.13	-----	27.65	-----	48.48
HL-5	01/11/2004	76.13	-----	29.07	-----	47.06
HL-5	04/19/2004	76.13	-----	28.88	-----	47.25
MW-6	05/28/1996	77.20	-----	30.52	-----	46.68
MW-6	11/20/1996	77.20	-----	30.88	-----	46.32
MW-6	07/01/1997	77.20	-----	32.12	-----	45.08
MW-6	12/31/1997	77.20	-----	31.26	-----	45.94
MW-6	05/01/1998	77.20	-----	29.15	-----	48.05
MW-6	05/03/1999	77.20	-----	29.46	-----	47.74
MW-6	08/09/1999	77.20	-----	29.65	-----	47.55
MW-6	11/15/1999	77.20	-----	29.73	-----	47.47
MW-6	05/15/2000	77.20	-----	29.39	-----	47.81
MW-6	11/13/2000	77.20	-----	30.70	-----	46.50
MW-6	05/07/2001	77.20	-----	28.88	-----	48.32
MW-6	11/05/2001	77.20	-----	28.53	-----	48.67
MW-6	04/08/2002	77.20	-----	29.29	-----	47.91
MW-6	04/08/2002	77.20	-----	29.51	-----	47.69
MW-6	10/21/2002	77.20	-----	29.40	-----	47.80
MW-6	04/07/2003	77.20	-----	29.67	-----	47.53
MW-6	10/06/2003	77.20	-----	29.48	-----	47.72
MW-6	01/11/2004	77.20	-----	30.31	-----	46.89
MW-6	04/19/2004	77.20	-----	30.29	-----	46.91
MW-6	05/02/2005	77.20	-----	27.00	-----	50.20
MW-6	10/31/2005	77.20	-----	26.36	-----	50.84
MW-6	05/01/2006	77.20	-----	26.79	-----	50.41
MW-6	12/04/2006	77.20	-----	27.41	-----	49.79
MW-6	04/30/2007	77.20	-----	27.47	-----	49.73
MW-6	11/12/2007	77.20	-----	27.72	-----	49.48
MW-6	04/14/2008	77.20	-----	28.13	-----	49.07
MW-6	10/13/2008	77.20	-----	30.63	-----	46.57
MW-6	04/20/2009	77.20	-----	28.80	-----	48.40
MW-6	10/19/2009	77.20	-----	29.48	-----	47.72

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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-6	05/24/2010	77.20	-----	30.33	-----	46.87
MW-6	05/28/2010	77.20	-----	30.17	-----	47.03
MW-6	10/04/2010	77.20	-----	29.80	-----	47.40
MW-6	04/11/2011	77.20	-----	29.14	-----	48.06
MW-6	10/10/2011	77.20	-----	29.04	-----	48.16
MW-6	04/16/2012	77.20	-----	30.10	-----	47.10
MW-6	10/15/2012	77.20	-----	30.91	-----	46.29
MW-6	04/08/2013	77.20	-----	31.30	-----	45.90
MW-6	10/07/2013	77.20	-----	32.14	-----	45.06
MW-6	04/14/2014	77.20	-----	32.98	-----	44.22
MW-6	10/27/2014	77.20	-----	33.33	-----	43.87
MW-6	04/20/2015	77.20	-----	33.79	-----	43.41
MW-6	10/19/2015	77.20	-----	34.47	-----	42.73
MW-6	04/11/2016	77.20	-----	35.25	-----	41.95
MW-6	10/3/2016	77.20	-----	35.13	-----	42.07
MW-7	05/28/1996	78.13	-----	32.10	-----	46.03
MW-7	11/20/1996	78.13	-----	32.65	-----	45.48
MW-7	07/01/1997	78.13	-----	34.04	-----	44.09
MW-7	12/31/1997	78.13	-----	32.78	-----	45.35
MW-7	05/01/1998	78.13	-----	30.17	-----	47.96
MW-7	05/03/1999	78.13	-----	30.64	-----	47.49
MW-7	08/09/1999	78.13	-----	30.56	-----	47.57
MW-7	11/15/1999	78.13	-----	30.40	-----	47.73
MW-7	05/15/2000	78.13	-----	30.30	-----	47.83
MW-7	11/13/2000	78.13	-----	31.69	-----	46.44
MW-7	05/07/2001	78.13	-----	29.43	-----	48.70
MW-7	11/05/2001	78.13	-----	29.34	-----	48.79
MW-7	04/08/2002	78.13	-----	30.05	-----	48.08
MW-7	10/21/2002	78.13	-----	30.42	-----	47.71
MW-7	04/07/2003	78.13	-----	31.46	-----	46.67
MW-7	10/06/2003	78.13	-----	30.50	-----	47.63
MW-7	01/11/2004	78.13	-----	32.16	-----	45.97
MW-7	04/19/2004	78.13	-----	32.30	-----	45.83
MW-7	05/02/2005	78.13	-----	27.06	-----	51.07
MW-7	10/31/2005	78.13	-----	27.11	-----	51.02
MW-7	05/01/2006	78.13	-----	27.51	-----	50.62
MW-7	12/04/2006	78.13	-----	28.34	-----	49.79
MW-7	04/30/2007	78.13	-----	28.37	-----	49.76
MW-7	11/12/2007	78.13	-----	28.73	-----	49.40
MW-7	04/14/2008	78.13	-----	29.75	-----	48.38
MW-7	10/13/2008	78.13	-----	29.63	-----	48.50

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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-7	04/20/2009	78.13	-----	29.76	-----	48.37
MW-7	10/19/2009	78.13	-----	30.70	-----	47.43
MW-7	05/24/2010	78.13	-----	30.70	-----	47.43
MW-7	05/28/2010	78.13	-----	30.68	-----	47.45
MW-7	10/04/2010	78.13	-----	28.16	-----	49.97
MW-7	04/11/2011	78.13	-----	29.64	-----	48.49
MW-7	10/10/2011	78.13	-----	30.02	-----	48.11
MW-7	04/16/2012	78.13	-----	31.04	-----	47.09
MW-7	10/15/2012	78.13	-----	31.81	-----	46.32
MW-7	04/08/2013	78.13	-----	32.54	-----	45.59
MW-7	10/07/2013	78.13	-----	33.04	-----	45.09
MW-7	04/14/2014	78.13	-----	34.00	-----	44.13
MW-7	10/27/2014	78.13	-----	34.19	-----	43.94
MW-7	04/20/2015	78.13	-----	34.70	-----	43.43
MW-7	10/19/2015	78.13	-----	32.69	-----	45.44
MW-7	04/11/2016	78.13	-----	36.75	-----	41.38
MW-7	10/3/2016	78.13	-----	37.90	-----	40.23
MW-8	05/28/1996	76.06	-----	26.96	-----	49.10
MW-8	11/20/1996	76.06	-----	28.06	-----	48.00
MW-8	05/03/1999	76.06	-----	25.82	-----	50.24
MW-8	08/09/1999	76.06	-----	26.30	-----	49.76
MW-8	11/15/1999	76.06	-----	26.93	-----	49.13
MW-8	05/15/2000	76.06	-----	26.64	-----	49.42
MW-8	11/13/2000	76.06	-----	27.69	-----	48.37
MW-8	02/05/2001	76.06	-----	27.15	-----	48.91
MW-8	05/07/2001	76.06	-----	25.43	-----	50.63
MW-8	09/18/2001	76.06	-----	25.87	-----	50.19
MW-8	01/29/2002	76.06	-----	26.33	-----	49.73
MW-8	04/08/2002	76.06	-----	26.70	-----	49.36
MW-8	10/21/2002	76.06	-----	27.87	-----	48.19
MW-8	01/27/2003	76.06	-----	27.39	-----	48.67
MW-8	04/07/2003	76.06	-----	26.75	-----	49.31
MW-8	07/31/2003	76.06	-----	26.56	-----	49.50
MW-8	10/06/2003	76.06	-----	26.82	-----	49.24
MW-8	01/11/2004	76.06	-----	28.25	-----	47.81
MW-8	01/27/2004	76.06	-----	27.52	-----	48.54
MW-8	04/19/2004	76.06	-----	29.21	-----	46.85
MW-8	07/19/2004	76.06	-----	27.68	-----	48.38
MW-8	02/01/2005	76.06	-----	26.49	-----	49.57
MW-8	05/02/2005	76.06	-----	22.01	-----	54.05
MW-8	08/01/2005	76.06	-----	23.19	-----	52.87

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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)
MW-8	10/31/2005	76.06	-----	25.72	-----	50.34
MW-8	02/27/2006	76.06	-----	24.41	-----	51.65
MW-8	05/01/2006	76.06	-----	24.37	-----	51.69
MW-8	09/18/2006	76.06	-----	25.21	-----	50.85
MW-8	12/04/2006	76.06	-----	25.46	-----	50.60
MW-8	03/12/2007	76.06	-----	25.98	-----	50.08
MW-8	04/30/2007	76.06	-----	25.18	-----	50.88
MW-8	08/28/2007	76.06	-----	26.90	-----	49.16
MW-8	11/12/2007	76.06	-----	26.40	-----	49.66
MW-8	02/19/2008	76.06	-----	26.79	-----	49.27
MW-8	04/14/2008	76.06	-----	26.29	-----	49.77
MW-8	10/13/2008	76.06	-----	27.27	-----	48.79
MW-8	04/20/2009	76.06	-----	27.19	-----	48.87
MW-8	10/19/2009	76.06	-----	28.71	-----	47.35
MW-8	05/24/2010	76.06	-----	27.91	-----	48.15
MW-8	05/28/2010	76.06	-----	27.90	-----	48.16
MW-8	10/04/2010	76.06	-----	28.16	-----	47.90
MW-8	01/10/2011	76.06	-----	28.53	-----	47.53
MW-8	04/11/2011	76.06	-----	26.84	-----	49.22
MW-8	10/10/2011	76.06	-----	27.65	-----	48.41
MW-8	01/09/2012	76.06	-----	28.31	-----	47.75
MW-8	04/16/2012	76.06	-----	28.77	-----	47.29
MW-8	07/09/2012	76.06	-----	29.63	-----	46.43
MW-8	10/15/2012	76.06	-----	29.48	-----	46.58
MW-8	01/14/2013	76.06	-----	30.82	-----	45.24
MW-8	04/08/2013	76.06	-----	30.56	-----	45.50
MW-8	10/07/2013	76.06	-----	31.15	-----	44.91
MW-8	04/14/2014	76.06	-----	31.10	-----	44.96
MW-8	10/27/2014	76.06	-----	31.51	-----	44.55
MW-8	04/20/2015	76.06	-----	31.86	-----	44.20
MW-8	10/19/2015	76.06	-----	32.69	-----	43.37
MW-8	04/11/2016	76.06	-----	33.57	-----	42.49
MW-8	10/3/2016	76.06	-----	34.20	-----	41.86
MW-9	11/20/1996	77.11	-----	29.76	-----	47.35
MW-9	07/01/1997	77.11	-----	29.41	-----	47.70
MW-9	12/31/1997	77.11	-----	29.72	-----	47.39
MW-9	05/01/1998	77.11	-----	26.20	-----	50.91
MW-9	08/09/1999	77.11	28.08	28.50	0.42	NC
MW-9	11/15/1999	77.11	-----	28.58	-----	48.53
MW-9	11/13/2000	77.11	28.92	28.94	0.02	NC
MW-9	05/07/2001	77.11	-----	24.26	-----	52.85

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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-9	05/10/2001	77.11	-----	27.13	-----	49.98
MW-9	09/18/2001	77.11	27.49	27.50	0.01	NC
MW-9	11/05/2001	77.11	-----	27.59	-----	49.52
MW-9	04/08/2002	77.11	28.21	28.30	0.09	NC
MW-9	10/21/2002	77.11	29.10	29.16	0.06	NC
MW-9	04/07/2003	77.11	28.41	28.42	0.01	NC
MW-9	10/06/2003	77.11	28.47	28.48	0.01	NC
MW-9	01/11/2004	77.11	-----	29.63	-----	47.48
MW-9	04/19/2004	77.11	27.50	27.53	0.03	NC
MW-9	05/02/2005	77.11	-----	23.61	-----	53.50
MW-9	10/31/2005	77.11	25.31	25.62	0.31	NC
MW-9	05/01/2006	77.11	25.71	25.75	0.04	NC
MW-9	12/04/2006	77.11	-----	26.67	-----	50.44
MW-9	04/30/2007	77.11	-----	27.29	-----	49.82
MW-9	08/28/2007	77.11	25.29	26.88	1.59	NC
MW-9	11/12/2007	77.11	27.65	27.69	0.04	NC
MW-9	04/14/2008	77.11	-----	27.87	-----	49.24
MW-9	10/13/2008	77.11	-----	28.43	-----	48.68
MW-9	04/20/2009	77.11	-----	28.14	-----	48.97
MW-9	10/19/2009	77.11	29.36	29.40	0.04	NC
MW-9	05/24/2010	77.11	-----	29.11	-----	48.00
MW-9	05/28/2010	77.11	-----	29.04	-----	48.07
MW-9	10/04/2010	77.11	-----	29.35	-----	47.76
MW-9	04/11/2011	77.11	-----	28.18	-----	48.93
MW-9	10/10/2011	77.11	-----	28.66	-----	48.45
MW-9	04/16/2012	77.11	-----	30.22	-----	46.89
MW-9	10/15/2012	77.11	-----	31.30	-----	45.81
MW-9	04/08/2013	77.11	-----	31.40	-----	45.71
MW-9	10/07/2013	77.11	-----	31.95	-----	45.16
MW-9	04/14/2014	77.11	-----	32.55	-----	44.56
MW-9	10/27/2014	77.11	-----	32.89	-----	44.22
MW-9	04/20/2015	77.11	-----	33.24	-----	43.87
MW-9	10/19/2015	77.11	-----	34.05	-----	43.06
MW-9	04/11/2016	77.11	-----	35.43	-----	41.68
MW-9	10/3/2016	77.11	-----	33.56	-----	43.55
MW-10	05/28/1996	79.12	-----	32.22	-----	46.90
MW-10	11/20/1996	79.12	-----	32.80	-----	46.32
MW-10	07/01/1997	79.12	-----	32.86	-----	46.26
MW-10	12/31/1997	79.12	-----	32.92	-----	46.20
MW-10	05/01/1998	79.12	-----	30.28	-----	48.84
MW-10	05/25/1999	79.12	-----	30.79	-----	48.33

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	05/15/2000	79.12	-----	32.32	-----	46.80
MW-10	11/13/2000	79.12	-----	30.90	-----	48.22
MW-10	05/07/2001	79.12	-----	31.21	-----	47.91
MW-10	04/08/2002	79.12	-----	31.91	-----	47.21
MW-10	10/21/2002	79.12	-----	31.53	-----	47.59
MW-10	04/07/2003	79.12	-----	31.15	-----	47.97
MW-10	10/06/2003	79.12	-----	31.11	-----	48.01
MW-10	04/19/2004	79.12	-----	32.12	-----	47.00
MW-10	11/01/2004	79.12	-----	31.96	-----	47.16
MW-10	05/02/2005	79.12	-----	27.68	-----	51.44
MW-10	03/06/2006	79.12	-----	28.44	-----	50.68
MW-10	05/01/2006	79.12	-----	28.87	-----	50.25
MW-10	08/26/2006	79.12	-----	29.17	-----	49.95
MW-10	12/01/2006	79.12	-----	29.52	-----	49.60
MW-10	03/21/2007	79.12	-----	29.71	-----	49.41
MW-10	04/27/2007	79.12	-----	29.90	-----	49.22
MW-10	08/28/2007	79.12	-----	30.22	-----	48.90
MW-10	11/12/2007	79.12	-----	30.50	-----	48.62
MW-10	02/05/2008	79.12	-----	30.90	-----	48.22
MW-10	04/11/2008	79.12	-----	30.31	-----	48.81
MW-10	07/24/2008	79.12	-----	30.48	-----	48.64
MW-10	10/13/2008	79.12	-----	31.39	-----	47.73
MW-10	02/09/2009	79.12	-----	30.05	-----	49.07
MW-10	07/16/2009	79.12	-----	31.42	-----	47.70
MW-10	04/07/2010	79.12	-----	32.00	-----	47.12
MW-10	10/01/2010	79.12	-----	32.09	-----	47.03
MW-10	01/06/2011	79.12	-----	32.22	-----	46.90
MW-10	04/08/2011	79.12	-----	31.24	-----	47.88
MW-10	07/07/2011	79.12	-----	31.37	-----	47.75
MW-10	10/06/2011	79.12	-----	31.71	-----	47.41
MW-10	04/12/2012	79.12	-----	32.63	-----	46.49
MW-10	01/10/2013	79.12	-----	33.78	-----	45.34
MW-10	04/02/2013	79.12	-----	33.70	-----	45.42
MW-10	04/07/2014	79.12	-----	35.23	-----	43.89
MW-10	04/14/2016	79.12	-----	37.01	-----	42.11
MW-11	05/28/1996	78.17	27.63	30.52	2.89	NC
MW-11	11/20/1996	78.17	31.31	33.60	2.29	NC
MW-11	07/01/1997	78.17	31.89	34.15	2.26	NC
MW-11	12/31/1997	78.17	31.42	33.49	2.07	NC
MW-11	05/01/1998	78.17	26.96	28.75	1.79	NC
MW-11	05/25/1999	78.17	29.93	29.95	0.02	NC

APPENDIX C

HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016

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	05/15/2000	78.17	-----	29.88	-----	48.29
MW-11	11/13/2000	78.17	-----	31.47	-----	46.70
MW-11	05/07/2001	78.17	-----	28.95	-----	49.22
MW-11	04/08/2002	78.17	-----	30.70	-----	47.47
MW-11	10/21/2002	78.17	-----	29.98	-----	48.19
MW-11	04/07/2003	78.17	-----	29.95	-----	48.22
MW-11	10/06/2003	78.17	-----	30.36	-----	47.81
MW-11	04/19/2004	78.17	-----	31.94	-----	46.23
MW-11	11/01/2004	78.17	-----	30.80	-----	47.37
MW-11	05/02/2005	78.17	-----	26.97	-----	51.20
MW-11	05/01/2006	78.17	-----	27.86	-----	50.31
MW-11	08/26/2006	78.17	-----	28.28	-----	49.89
MW-11	12/01/2006	78.17	-----	28.56	-----	49.61
MW-11	04/30/2007	78.17	-----	28.94	-----	49.23
MW-11	11/12/2007	78.17	-----	29.50	-----	48.67
MW-11	04/11/2008	78.17	-----	29.15	-----	49.02
MW-11	10/14/2008	78.17	-----	30.18	-----	47.99
MW-11	04/20/2009	78.17	-----	30.00	-----	48.17
MW-11	10/19/2009	78.17	-----	30.91	-----	47.26
MW-11	04/07/2010	78.17	-----	30.72	-----	47.45
MW-11	04/12/2010	78.17	-----	30.55	-----	47.62
MW-11	10/01/2010	78.17	-----	30.97	-----	47.20
MW-11	01/07/2011	78.17	-----	31.12	-----	47.05
MW-11	04/12/2012	78.17	-----	31.52	-----	46.65
MW-11	04/19/2012	78.17	-----	31.34	-----	46.83
MW-11	04/05/2013	78.17	-----	32.71	-----	45.46
MW-12	05/28/1996	75.76	-----	28.18	-----	47.58
MW-12	11/20/1996	75.76	-----	28.97	-----	46.79
MW-12	07/01/1997	75.76	-----	29.49	-----	46.27
MW-12	12/31/1997	75.76	-----	28.98	-----	46.78
MW-12	05/01/1998	75.76	-----	26.27	-----	49.49
MW-12	05/04/1999	75.76	-----	27.53	-----	48.23
MW-12	11/15/1999	75.76	-----	27.65	-----	48.11
MW-12	05/15/2000	75.76	-----	30.34	-----	45.42
MW-12	11/13/2000	75.76	-----	27.38	-----	48.38
MW-12	11/13/2000	75.76	-----	27.44	-----	48.32
MW-12	05/07/2001	75.76	-----	26.72	-----	49.04
MW-12	11/05/2001	75.76	-----	26.75	-----	49.01
MW-12	04/08/2002	75.76	-----	27.52	-----	48.24
MW-12	04/08/2002	75.76	-----	27.70	-----	48.06
MW-12	10/21/2002	75.76	-----	28.08	-----	47.68

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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	10/21/2002	75.76	-----	28.09	-----	47.67
MW-12	04/07/2003	75.76	-----	27.77	-----	47.99
MW-12	10/06/2003	75.76	-----	27.60	-----	48.16
MW-12	01/11/2004	75.76	-----	29.91	-----	45.85
MW-12	04/19/2004	75.76	-----	28.71	-----	47.05
MW-12	05/02/2005	75.76	-----	23.42	-----	52.34
MW-12	05/02/2005	75.76	-----	23.56	-----	52.20
MW-12	10/31/2005	75.76	-----	25.61	-----	50.15
MW-12	05/01/2006	75.76	-----	24.85	-----	50.91
MW-12	05/01/2006	75.76	-----	25.09	-----	50.67
MW-12	12/01/2006	75.76	-----	25.65	-----	50.11
MW-12	12/04/2006	75.76	-----	25.69	-----	50.07
MW-12	04/30/2007	75.76	-----	25.80	-----	49.96
MW-12	04/30/2007	75.76	-----	26.25	-----	49.51
MW-12	11/12/2007	75.76	-----	27.12	-----	48.64
MW-12	11/12/2007	75.76	-----	26.23	-----	49.53
MW-12	04/11/2008	75.76	-----	26.69	-----	49.07
MW-12	04/14/2008	75.76	-----	29.47	-----	46.29
MW-12	10/13/2008	75.76	-----	27.30	-----	48.46
MW-12	10/14/2008	75.76	-----	27.59	-----	48.17
MW-12	04/20/2009	75.76	-----	27.34	-----	48.42
MW-12	10/19/2009	75.76	-----	28.88	-----	46.88
MW-12	04/08/2010	75.76	-----	27.93	-----	47.83
MW-12	05/24/2010	75.76	-----	28.16	-----	47.60
MW-12	05/28/2010	75.76	-----	28.10	-----	47.66
MW-12	10/04/2010	75.76	-----	28.21	-----	47.55
MW-12	04/11/2011	75.76	-----	27.14	-----	48.62
MW-12	10/10/2011	75.76	-----	27.92	-----	47.84
MW-12	04/16/2012	75.76	-----	29.10	-----	46.66
MW-12	10/15/2012	75.76	-----	30.31	-----	45.45
MW-12	04/08/2013	75.76	-----	30.53	-----	45.23
MW-12	10/07/2013	75.76	-----	31.02	-----	44.74
MW-12	04/14/2014	75.76	-----	31.61	-----	44.15
MW-12	10/27/2014	75.76	-----	31.88	-----	43.88
MW-12	04/20/2015	75.76	-----	32.39	-----	43.37
MW-12	11/06/2015	75.76	-----	34.12	-----	41.64
MW-12	04/11/2016	75.76	-----	34.56	-----	41.20
MW-12	10/3/2016	75.76	-----	35.84	-----	39.92
MW-13	05/28/1996	78.25	-----	30.80	-----	47.45
MW-13	11/20/1996	78.25	-----	31.60	-----	46.65
MW-13	07/01/1997	78.25	-----	30.70	-----	47.55

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	12/31/1997	78.25	-----	31.24	-----	47.01
MW-13	05/01/1998	78.25	-----	28.22	-----	50.03
MW-13	05/25/1999	78.25	-----	29.19	-----	49.06
MW-13	05/15/2000	78.25	-----	29.95	-----	48.30
MW-13	11/13/2000	78.25	-----	27.21	-----	51.04
MW-13	02/05/2001	78.25	-----	29.42	-----	48.83
MW-13	05/07/2001	78.25	-----	28.95	-----	49.30
MW-13	04/08/2002	78.25	-----	30.33	-----	47.92
MW-13	09/19/2002	78.25	-----	30.73	-----	47.52
MW-13	10/21/2002	78.25	-----	30.88	-----	47.37
MW-13	04/07/2003	78.25	-----	30.05	-----	48.20
MW-13	10/06/2003	78.25	-----	29.76	-----	48.49
MW-13	04/19/2004	78.25	-----	30.50	-----	47.75
MW-13	11/01/2004	78.25	-----	30.85	-----	47.40
MW-13	02/28/2005	78.25	-----	27.54	-----	50.71
MW-13	05/02/2005	78.25	-----	25.62	-----	52.63
MW-13	03/06/2006	78.25	-----	27.70	-----	50.55
MW-13	05/01/2006	78.25	-----	27.70	-----	50.55
MW-13	08/26/2006	78.25	-----	28.04	-----	50.21
MW-13	12/01/2006	78.25	-----	28.49	-----	49.76
MW-13	03/21/2007	78.25	-----	28.58	-----	49.67
MW-13	04/27/2007	78.25	-----	29.00	-----	49.25
MW-13	08/28/2007	78.25	-----	29.10	-----	49.15
MW-13	11/12/2007	78.25	-----	29.46	-----	48.79
MW-13	02/05/2008	78.25	-----	30.00	-----	48.25
MW-13	04/11/2008	78.25	-----	29.23	-----	49.02
MW-13	07/24/2008	78.25	-----	29.71	-----	48.54
MW-13	10/13/2008	78.25	-----	30.50	-----	47.75
MW-13	02/09/2009	78.25	-----	29.88	-----	48.37
MW-13	04/20/2009	78.25	-----	30.00	-----	48.25
MW-13	07/16/2009	78.25	-----	30.51	-----	47.74
MW-13	10/19/2009	78.25	-----	30.85	-----	47.40
MW-13	04/07/2010	78.25	-----	30.83	-----	47.42
MW-13	04/12/2010	78.25	-----	30.82	-----	47.43
MW-13	01/06/2011	78.25	-----	31.27	-----	46.98
MW-13	04/07/2011	78.25	-----	29.93	-----	48.32
MW-13	07/07/2011	78.25	-----	30.19	-----	48.06
MW-13	10/06/2011	78.25	-----	30.78	-----	47.47
MW-13	04/12/2012	78.25	-----	31.76	-----	46.49
MW-13	04/17/2012	78.25	-----	31.46	-----	46.79
MW-13	01/10/2013	78.25	-----	32.78	-----	45.47

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	04/02/2013	78.25	-----	32.76	-----	45.49
MW-13	04/08/2013	78.25	-----	32.75	-----	45.50
MW-13	10/01/2013	78.25	-----	33.48	-----	44.77
MW-13	04/09/2014	78.25	-----	34.03	-----	44.22
MW-13	04/15/2014	78.25	-----	33.93	-----	44.32
MW-13	10/27/2014	78.25	-----	34.39	-----	43.86
MW-13	04/20/2015	78.25	-----	34.42	-----	43.83
MW-13	10/19/2015	78.25	-----	35.52	-----	42.73
MW-13	04/12/2016	78.25	-----	36.02	-----	42.23
MW-13	10/3/2016	78.25	-----	36.45	-----	41.80
MW-14	05/28/1996	78.60	-----	32.31	-----	46.29
MW-14	11/20/1996	78.60	-----	32.52	-----	46.08
MW-14	07/01/1997	78.60	-----	33.64	-----	44.96
MW-14	12/31/1997	78.60	-----	32.91	-----	45.69
MW-14	05/01/1998	78.60	-----	30.93	-----	47.67
MW-14	02/03/1999	78.60	-----	30.99	-----	47.61
MW-14	05/07/1999	78.60	-----	31.84	-----	46.76
MW-14	05/25/1999	78.60	-----	30.85	-----	47.75
MW-14	08/09/1999	78.60	-----	32.23	-----	46.37
MW-14	02/29/2000	78.60	-----	31.43	-----	47.17
MW-14	05/15/2000	78.60	-----	31.22	-----	47.38
MW-14	08/28/2000	78.60	-----	31.78	-----	46.82
MW-14	11/13/2000	78.60	-----	31.72	-----	46.88
MW-14	02/05/2001	78.60	-----	31.25	-----	47.35
MW-14	05/07/2001	78.60	-----	30.55	-----	48.05
MW-14	09/18/2001	78.60	-----	30.42	-----	48.18
MW-14	01/29/2002	78.60	-----	30.89	-----	47.71
MW-14	04/08/2002	78.60	-----	31.22	-----	47.38
MW-14	07/29/2002	78.60	-----	31.02	-----	47.58
MW-14	10/21/2002	78.60	-----	31.08	-----	47.52
MW-14	01/27/2003	78.60	-----	30.78	-----	47.82
MW-14	04/07/2003	78.60	-----	30.90	-----	47.70
MW-14	10/06/2003	78.60	-----	30.96	-----	47.64
MW-14	04/19/2004	78.60	-----	31.51	-----	47.09
MW-14	11/01/2004	78.60	-----	31.61	-----	46.99
MW-14	02/28/2005	78.60	-----	29.79	-----	48.81
MW-14	05/02/2005	78.60	-----	28.31	-----	50.29
MW-14	03/06/2006	78.60	-----	28.34	-----	50.26
MW-14	05/01/2006	78.60	-----	28.76	-----	49.84
MW-14	08/26/2006	78.60	-----	28.89	-----	49.71
MW-14	12/01/2006	78.60	-----	29.15	-----	49.45

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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	03/21/2007	78.60	-----	29.21	-----	49.39
MW-14	04/30/2007	78.60	-----	29.44	-----	49.16
MW-14	08/28/2007	78.60	-----	29.77	-----	48.83
MW-14	11/12/2007	78.60	-----	29.91	-----	48.69
MW-14	02/05/2008	78.60	-----	30.24	-----	48.36
MW-14	04/11/2008	78.60	-----	29.73	-----	48.87
MW-14	07/24/2008	78.60	-----	30.21	-----	48.39
MW-14	10/13/2008	78.60	-----	30.71	-----	47.89
MW-14	02/09/2009	78.60	-----	30.77	-----	47.83
MW-14	04/20/2009	78.60	-----	30.80	-----	47.80
MW-14	07/16/2009	78.60	-----	31.21	-----	47.39
MW-14	07/20/2009	78.60	-----	31.31	-----	47.29
MW-14	10/19/2009	78.60	-----	31.43	-----	47.17
MW-14	01/11/2010	78.60	-----	31.94	-----	46.66
MW-14	04/07/2010	78.60	-----	31.79	-----	46.81
MW-14	04/12/2010	78.60	-----	31.44	-----	47.16
MW-14	01/06/2011	78.60	-----	32.86	-----	45.74
MW-14	04/06/2011	78.60	-----	31.13	-----	47.47
MW-14	07/07/2011	78.60	-----	31.13	-----	47.47
MW-14	10/06/2011	78.60	-----	31.31	-----	47.29
MW-14	01/09/2012	78.60	-----	31.40	-----	47.20
MW-14	04/12/2012	78.60	-----	32.07	-----	46.53
MW-14	04/18/2012	78.60	-----	31.83	-----	46.77
MW-14	01/11/2013	78.60	-----	33.24	-----	45.36
MW-14	04/02/2013	78.60	-----	33.13	-----	45.47
MW-14	04/08/2013	78.60	-----	33.80	-----	44.80
MW-14	10/01/2013	78.60	-----	33.90	-----	44.70
MW-14	04/07/2014	78.60	-----	34.98	-----	43.62
MW-14	10/27/2014	78.60	-----	35.03	-----	43.57
MW-14	04/20/2015	78.60	-----	35.38	-----	43.22
MW-14	10/19/2015	78.60	-----	36.12	-----	42.48
MW-14	04/11/2016	78.60	-----	36.49	-----	42.11
MW-14	10/3/2016	78.60	-----	36.37	-----	42.23
MW-15	05/28/1996	76.99	-----	28.96	-----	48.03
MW-15	11/20/1996	76.99	-----	29.78	-----	47.21
MW-15	07/01/1997	76.99	-----	29.53	-----	47.46
MW-15	12/31/1997	76.99	-----	29.90	-----	47.09
MW-15	05/01/1998	76.99	-----	26.57	-----	50.42
MW-15	05/03/1999	76.99	-----	28.06	-----	48.93
MW-15	08/09/1999	76.99	-----	28.35	-----	48.64
MW-15	11/15/1999	76.99	-----	28.59	-----	48.40

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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)
MW-15	05/15/2000	76.99	-----	28.36	-----	48.63
MW-15	11/13/2000	76.99	-----	29.05	-----	47.94
MW-15	05/07/2001	76.99	-----	27.36	-----	49.63
MW-15	11/05/2001	76.99	-----	27.64	-----	49.35
MW-15	04/08/2002	76.99	-----	28.39	-----	48.60
MW-15	07/29/2002	76.99	-----	29.04	-----	47.95
MW-15	10/21/2002	76.99	29.14	29.15	0.01	NC
MW-15	04/07/2003	76.99	28.51	28.52	0.01	NC
MW-15	10/06/2003	76.99	28.38	28.39	0.01	NC
MW-15	01/11/2004	76.99	29.55	29.64	0.09	NC
MW-15	04/19/2004	76.99	27.60	27.61	0.01	NC
MW-15	05/02/2005	76.99	22.88	22.93	0.05	NC
MW-15	10/31/2005	76.99	27.60	27.81	0.21	NC
MW-15	05/01/2006	76.99	-----	25.92	-----	51.07
MW-15	12/04/2006	76.99	-----	26.76	-----	50.23
MW-15	04/30/2007	76.99	-----	28.17	-----	48.82
MW-15	11/12/2007	76.99	27.02	28.25	1.23	NC
MW-15	04/14/2008	76.99	27.40	28.37	0.97	NC
MW-15	04/14/2008	76.99	27.33	28.31	0.98	NC
MW-15	10/13/2008	76.99	-----	29.05	-----	47.94
MW-15	04/20/2009	76.99	28.24	28.98	0.74	NC
MW-15	10/19/2009	76.99	29.21	30.37	1.16	NC
MW-15	05/24/2010	76.99	28.60	29.49	0.89	NC
MW-15	05/28/2010	76.99	28.57	29.46	0.89	NC
MW-15	10/04/2010	76.99	29.14	30.19	1.05	NC
MW-15	04/11/2011	76.99	28.16	28.62	0.46	NC
MW-15	10/10/2011	76.99	28.59	29.30	0.71	47.69
MW-15	04/27/2012	76.99	-----	31.50	-----	45.49
MW-15	10/15/2012	76.99	31.36	32.38	1.02	NC
MW-15	04/08/2013	76.99	31.44	32.40	0.96	NC
MW-15	10/07/2013	76.99	31.87	32.18	0.31	NC
MW-15	04/14/2014	76.99	32.59	32.70	0.11	NC
MW-15	10/27/2014	76.99	-----	33.33	-----	43.66
MW-15	Well decommissioned in December 2014 prior to remedial excavation					
MW-16	05/28/1996	76.87	-----	28.85	-----	48.02
MW-16	11/20/1996	76.87	-----	29.84	-----	47.03
MW-16	07/01/1997	76.87	-----	28.17	-----	48.70
MW-16	12/31/1997	76.87	-----	28.47	-----	48.40
MW-16	05/01/1998	76.87	-----	23.99	-----	52.88
MW-16	05/25/1999	76.87	-----	27.49	-----	49.38
MW-16	05/15/2000	76.87	-----	28.17	-----	48.70

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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	11/13/2000	76.87	-----	28.83	-----	48.04
MW-16	05/07/2001	76.87	-----	27.05	-----	49.82
MW-16	02/01/2002	76.87	-----	27.46	-----	49.41
MW-16	04/08/2002	76.87	-----	28.36	-----	48.51
MW-16	10/21/2002	76.87	-----	28.97	-----	47.90
MW-16	01/27/2003	76.87	-----	28.62	-----	48.25
MW-16	04/07/2003	76.87	-----	28.22	-----	48.65
MW-16	07/30/2003	76.87	-----	27.87	-----	49.00
MW-16	10/06/2003	76.87	-----	28.00	-----	48.87
MW-16	01/27/2004	76.87	-----	28.56	-----	48.31
MW-16	04/19/2004	76.87	-----	28.79	-----	48.08
MW-16	07/19/2004	76.87	-----	28.79	-----	48.08
MW-16	11/01/2004	76.87	-----	29.50	-----	47.37
MW-16	02/01/2005	76.87	-----	27.16	-----	49.71
MW-16	05/02/2005	76.87	-----	23.28	-----	53.59
MW-16	08/01/2005	76.87	-----	24.36	-----	52.51
MW-16	03/06/2006	76.87	-----	25.92	-----	50.95
MW-16	05/01/2006	76.87	-----	25.85	-----	51.02
MW-16	08/26/2006	76.87	-----	26.32	-----	50.55
MW-16	09/18/2006	76.87	-----	26.32	-----	50.55
MW-16	12/01/2006	76.87	-----	26.83	-----	50.04
MW-16	03/21/2007	76.87	-----	27.15	-----	49.72
MW-16	04/30/2007	76.87	-----	27.27	-----	49.60
MW-16	08/28/2007	76.87	-----	27.85	-----	49.02
MW-16	11/12/2007	76.87	-----	27.84	-----	49.03
MW-16	02/05/2008	76.87	-----	28.88	-----	47.99
MW-16	04/14/2008	76.87	-----	27.34	-----	49.53
MW-16	07/24/2008	76.87	-----	28.01	-----	48.86
MW-16	10/14/2008	76.87	-----	28.58	-----	48.29
MW-16	02/10/2009	76.87	-----	28.54	-----	48.33
MW-16	04/20/2009	76.87	-----	28.22	-----	48.65
MW-16	07/16/2009	76.87	-----	29.12	-----	47.75
MW-16	10/19/2009	76.87	-----	29.30	-----	47.57
MW-16	04/08/2010	76.87	-----	28.71	-----	48.16
MW-16	04/12/2010	76.87	-----	28.83	-----	48.04
MW-16	01/08/2011	76.87	-----	29.63	-----	47.24
MW-16	04/07/2011	76.87	-----	27.99	-----	48.88
MW-16	07/08/2011	76.87	-----	28.34	-----	48.53
MW-16	10/06/2011	76.87	-----	28.95	-----	47.92
MW-16	04/12/2012	76.87	-----	30.16	-----	46.71
MW-16	04/17/2012	76.87	-----	29.84	-----	47.03

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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	01/10/2013	76.87	-----	31.47	-----	45.40
MW-16	04/03/2013	76.87	-----	31.53	-----	45.34
MW-16	04/08/2013	76.87	-----	31.51	-----	45.36
MW-16	10/02/2013	76.87	-----	32.14	-----	44.73
MW-16	04/09/2014	76.87	-----	32.68	-----	44.19
MW-16	04/09/2014	76.87	-----	32.68	-----	44.19
MW-16	10/27/2014	77.87	-----	32.84	-----	45.03
MW-16	04/20/2015	76.87	-----	33.24	-----	43.63
MW-16	10/19/2015	76.87	-----	34.06	-----	42.81
MW-16	04/12/2016	76.87	-----	34.91	-----	41.96
MW-16	10/3/2016	76.87	-----	35.42	-----	41.45
MW-17	05/28/1996	77.86	-----	29.91	-----	47.95
MW-17	11/20/1996	77.86	-----	30.83	-----	47.03
MW-17	07/01/1997	77.86	-----	29.40	-----	48.46
MW-17	12/31/1997	77.86	-----	30.31	-----	47.55
MW-17	05/01/1998	77.86	-----	26.49	-----	51.37
MW-17	05/25/1999	77.86	-----	28.44	-----	49.42
MW-17	05/15/2000	77.86	-----	29.09	-----	48.77
MW-17	11/13/2000	77.86	-----	30.74	-----	47.12
MW-17	05/07/2001	77.86	-----	27.81	-----	50.05
MW-17	04/08/2002	77.86	-----	29.16	-----	48.70
MW-17	10/21/2002	77.86	-----	30.20	-----	47.66
MW-17	04/07/2003	77.86	-----	29.05	-----	48.81
MW-17	10/06/2003	77.86	-----	28.90	-----	48.96
MW-17	04/19/2004	77.86	-----	29.72	-----	48.14
MW-17	11/01/2004	77.86	-----	30.33	-----	47.53
MW-17	05/02/2005	77.86	-----	24.30	-----	53.56
MW-17	03/06/2006	77.86	-----	26.85	-----	51.01
MW-17	05/01/2006	77.86	-----	26.90	-----	50.96
MW-17	08/26/2006	77.86	-----	27.41	-----	50.45
MW-17	12/01/2006	77.86	-----	27.90	-----	49.96
MW-17	03/21/2007	77.86	-----	27.99	-----	49.87
MW-17	04/27/2007	77.86	-----	28.45	-----	49.41
MW-17	08/28/2007	77.86	-----	28.45	-----	49.41
MW-17	11/12/2007	77.86	-----	28.91	-----	48.95
MW-17	02/05/2008	77.86	-----	29.46	-----	48.40
MW-17	04/11/2008	77.86	-----	28.51	-----	49.35
MW-17	07/24/2008	77.86	-----	29.11	-----	48.75
MW-17	10/13/2008	77.86	-----	30.00	-----	47.86
MW-17	02/09/2009	77.86	-----	29.36	-----	48.50
MW-17	04/20/2009	77.86	-----	29.31	-----	48.55

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	07/16/2009	77.86	-----	32.25	-----	45.61
MW-17	10/19/2009	77.86	-----	30.72	-----	47.14
MW-17	04/07/2010	77.86	-----	29.92	-----	47.94
MW-17	04/12/2010	77.86	-----	29.92	-----	47.94
MW-17	01/06/2011	77.86	-----	30.93	-----	46.93
MW-17	04/07/2011	77.86	-----	28.97	-----	48.89
MW-17	07/07/2011	77.86	-----	29.49	-----	48.37
MW-17	10/06/2011	77.86	-----	30.17	-----	47.69
MW-17	04/12/2012	77.86	-----	31.35	-----	46.51
MW-17	04/17/2012	77.86	-----	30.99	-----	46.87
MW-17	01/10/2013	77.86	-----	32.34	-----	45.52
MW-17	04/02/2013	77.86	-----	32.44	-----	45.42
MW-17	04/08/2013	77.86	-----	32.43	-----	45.43
MW-17	10/01/2013	77.86	-----	33.07	-----	44.79
MW-17	04/09/2014	77.86	-----	33.45	-----	44.41
MW-17	04/16/2014	77.86	-----	33.02	-----	44.84
MW-17	10/27/2014	77.86	-----	33.76	-----	44.10
MW-17	04/20/2015	77.86	-----	34.06	-----	43.80
MW-17	10/19/2015	77.86	-----	34.97	-----	42.89
MW-17	04/13/2016	77.86	-----	35.57	-----	42.29
MW-17	10/3/2016	77.86	-----	36.05	-----	41.81
MW-18 (MID)	05/28/1996	75.67	33.20	33.81	0.61	NC
MW-18 (MID)	11/20/1996	75.67	-----	32.82	-----	42.85
MW-18 (MID)	07/01/1997	75.67	-----	29.10	-----	46.57
MW-18 (MID)	12/31/1997	75.67	32.67	33.25	0.58	NC
MW-18 (MID)	05/01/1998	75.67	29.81	29.83	0.02	NC
MW-18 (MID)	08/09/1999	75.67	-----	31.33	-----	44.34
MW-18 (MID)	11/19/1999	75.67	-----	31.86	-----	43.81
MW-18 (MID)	05/15/2000	75.67	-----	24.58	-----	51.09
MW-18 (MID)	11/13/2000	75.67	-----	26.78	-----	48.89
MW-18 (MID)	05/07/2001	75.67	-----	30.38	-----	45.29
MW-18 (MID)	08/07/2001	75.67	-----	30.46	-----	45.21
MW-18 (MID)	11/05/2001	75.67	-----	30.66	-----	45.01
MW-18 (MID)	04/08/2002	75.67	-----	31.22	-----	44.45
MW-18 (MID)	10/21/2002	75.67	-----	32.24	-----	43.43
MW-18 (MID)	10/06/2003	75.67	-----	31.42	-----	44.25
MW-18 (MID)	04/19/2004	75.67	-----	32.34	-----	43.33
MW-18 (MID)	05/02/2005	75.67	-----	27.67	-----	48.00
MW-18 (MID)	10/31/2005	75.67	-----	25.96	-----	49.71
MW-18 (MID)	05/01/2006	75.67	-----	28.92	-----	46.75
MW-18 (MID)	12/04/2006	75.67	-----	29.74	-----	45.93

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)	04/30/2007	75.67	-----	29.77	-----	45.90
MW-18 (MID)	11/12/2007	75.67	-----	30.23	-----	45.44
MW-18 (MID)	04/14/2008	75.67	-----	30.45	-----	45.22
MW-18 (MID)	10/13/2008	75.67	-----	31.15	-----	44.52
MW-18 (MID)	04/20/2009	75.67	-----	31.49	-----	44.18
MW-18 (MID)	10/19/2009	75.67	-----	32.62	-----	43.05
MW-18 (MID)	05/24/2010	75.67	-----	32.26	-----	43.41
MW-18 (MID)	05/28/2010	75.67	-----	32.17	-----	43.50
MW-18 (MID)	04/11/2011	75.67	-----	31.28	-----	44.39
MW-18 (MID)	10/10/2011	75.67	-----	31.51	-----	44.16
MW-18 (MID)	04/16/2012	75.67	-----	31.75	-----	43.92
MW-18 (MID)	10/15/2012	75.67	-----	33.41	-----	42.26
MW-18 (MID)	04/08/2013	75.67	-----	30.68	-----	44.99
MW-18 (MID)	10/07/2013	75.67	-----	35.33	-----	40.34
MW-18 (MID)	04/14/2014	75.67	-----	35.40	-----	40.27
MW-18 (MID)	10/27/2014	75.67	-----	35.81	-----	39.86
MW-18 (MID)	04/20/2015	75.67	-----	36.29	-----	39.38
MW-18 (MID)	10/19/2015	75.67	-----	36.99	-----	38.68
MW-18 (MID)	04/11/2016	75.67	-----	38.89	-----	36.78
MW-18 (MID)	10/3/2016	75.67	-----	40.93	-----	34.74
MW-19 (MID)	05/28/1996	78.14	-----	31.52	-----	46.62
MW-19 (MID)	11/20/1996	78.14	-----	32.04	-----	46.10
MW-19 (MID)	07/01/1997	78.14	-----	33.51	-----	44.63
MW-19 (MID)	12/31/1997	78.14	-----	33.72	-----	44.42
MW-19 (MID)	05/01/1998	78.14	-----	29.48	-----	48.66
MW-19 (MID)	02/03/1999	78.14	-----	29.05	-----	49.09
MW-19 (MID)	05/03/1999	78.14	-----	30.91	-----	47.23
MW-19 (MID)	08/09/1999	78.14	-----	30.90	-----	47.24
MW-19 (MID)	11/15/1999	78.14	-----	30.63	-----	47.51
MW-19 (MID)	02/29/2000	78.14	-----	29.59	-----	48.55
MW-19 (MID)	05/15/2000	78.14	-----	25.27	-----	52.87
MW-19 (MID)	08/28/2000	78.14	-----	32.23	-----	45.91
MW-19 (MID)	11/13/2000	78.14	-----	31.90	-----	46.24
MW-19 (MID)	02/05/2001	78.14	-----	30.55	-----	47.59
MW-19 (MID)	05/07/2001	78.14	-----	29.82	-----	48.32
MW-19 (MID)	09/18/2001	78.14	-----	29.81	-----	48.33
MW-19 (MID)	11/05/2001	78.14	-----	29.71	-----	48.43
MW-19 (MID)	01/29/2002	78.14	-----	30.00	-----	48.14
MW-19 (MID)	04/08/2002	78.14	-----	30.12	-----	48.02
MW-19 (MID)	10/21/2002	78.14	-----	41.44	-----	36.70
MW-19 (MID)	04/07/2003	78.14	-----	31.94	-----	46.20

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)	10/06/2003	78.14	-----	31.10	-----	47.04
MW-19 (MID)	01/11/2004	78.14	-----	32.97	-----	45.17
MW-19 (MID)	04/19/2004	78.14	-----	33.87	-----	44.27
MW-19 (MID)	05/02/2005	78.14	-----	28.00	-----	50.14
MW-19 (MID)	10/31/2005	78.14	-----	28.35	-----	49.79
MW-19 (MID)	05/01/2006	78.14	-----	28.70	-----	49.44
MW-19 (MID)	12/04/2006	78.14	-----	29.65	-----	48.49
MW-19 (MID)	04/30/2007	78.14	-----	29.68	-----	48.46
MW-19 (MID)	11/12/2007	78.14	-----	30.44	-----	47.70
MW-19 (MID)	04/14/2008	78.14	-----	30.70	-----	47.44
MW-19 (MID)	10/13/2008	78.14	-----	32.63	-----	45.51
MW-19 (MID)	04/20/2009	78.14	-----	31.75	-----	46.39
MW-19 (MID)	10/19/2009	78.14	-----	32.88	-----	45.26
MW-19 (MID)	05/24/2010	78.14	-----	33.16	-----	44.98
MW-19 (MID)	05/28/2010	78.14	-----	33.11	-----	45.03
MW-19 (MID)	04/11/2011	78.14	-----	32.64	-----	45.50
MW-19 (MID)	10/10/2011	78.14	-----	32.64	-----	45.50
MW-19 (MID)	04/16/2012	78.14	-----	33.42	-----	44.72
MW-19 (MID)	10/15/2012	78.14	-----	34.29	-----	43.85
MW-19 (MID)	04/08/2013	78.14	-----	34.81	-----	43.33
MW-19 (MID)	10/07/2013	78.14	-----	36.14	-----	42.00
MW-19 (MID)	04/14/2014	78.14	-----	36.37	-----	41.77
MW-19 (MID)	10/27/2014	78.14	-----	37.09	-----	41.05
MW-19 (MID)	04/20/2015	78.14	-----	37.61	-----	40.53
MW-19 (MID)	10/19/2015	78.14	-----	38.26	-----	39.88
MW-19 (MID)	04/11/2016	78.14	-----	32.97	-----	45.17
MW-19 (MID)	10/3/2016	78.14	-----	40.60	-----	37.54
MW-20 (MID)	05/28/1996	77.19	-----	31.42	-----	45.77
MW-20 (MID)	11/20/1996	77.19	-----	31.98	-----	45.21
MW-20 (MID)	07/01/1997	77.19	-----	33.31	-----	43.88
MW-20 (MID)	12/31/1997	77.19	-----	32.89	-----	44.30
MW-20 (MID)	05/01/1998	77.19	-----	29.81	-----	47.38
MW-20 (MID)	05/03/1999	77.19	-----	30.63	-----	46.56
MW-20 (MID)	08/09/1999	77.19	-----	31.07	-----	46.12
MW-20 (MID)	11/15/1999	77.19	-----	31.00	-----	46.19
MW-20 (MID)	05/15/2000	77.19	-----	30.65	-----	46.54
MW-20 (MID)	11/13/2000	77.19	-----	32.10	-----	45.09
MW-20 (MID)	05/07/2001	77.19	-----	30.14	-----	47.05
MW-20 (MID)	09/18/2001	77.19	-----	30.15	-----	47.04
MW-20 (MID)	11/05/2001	77.19	-----	30.09	-----	47.10
MW-20 (MID)	04/08/2002	77.19	-----	36.14	-----	41.05

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)	04/08/2002	77.19	-----	30.82	-----	46.37
MW-20 (MID)	10/21/2002	77.19	-----	31.12	-----	46.07
MW-20 (MID)	04/07/2003	77.19	-----	31.25	-----	45.94
MW-20 (MID)	10/06/2003	77.19	-----	31.35	-----	45.84
MW-20 (MID)	01/11/2004	77.19	-----	32.33	-----	44.86
MW-20 (MID)	04/19/2004	77.19	-----	32.04	-----	45.15
MW-20 (MID)	05/02/2005	77.19	-----	28.73	-----	48.46
MW-20 (MID)	10/31/2005	77.19	-----	28.61	-----	48.58
MW-20 (MID)	05/01/2006	77.19	-----	28.65	-----	48.54
MW-20 (MID)	12/04/2006	77.19	-----	29.37	-----	47.82
MW-20 (MID)	04/30/2007	77.19	-----	29.35	-----	47.84
MW-20 (MID)	11/12/2007	77.19	-----	29.98	-----	47.21
MW-20 (MID)	04/14/2008	77.19	-----	30.21	-----	46.98
MW-20 (MID)	10/13/2008	77.19	-----	30.93	-----	46.26
MW-20 (MID)	04/20/2009	77.19	-----	31.09	-----	46.10
MW-20 (MID)	10/19/2009	77.19	-----	32.11	-----	45.08
MW-20 (MID)	05/24/2010	77.19	-----	32.33	-----	44.86
MW-20 (MID)	05/28/2010	77.19	-----	32.29	-----	44.90
MW-20 (MID)	04/11/2011	77.19	-----	31.39	-----	45.80
MW-20 (MID)	10/10/2011	77.19	-----	31.55	-----	45.64
MW-20 (MID)	04/16/2012	77.19	-----	32.20	-----	44.99
MW-20 (MID)	10/15/2012	77.19	-----	33.05	-----	44.14
MW-20 (MID)	04/08/2013	77.19	-----	33.35	-----	43.84
MW-20 (MID)	10/07/2013	77.19	-----	34.37	-----	42.82
MW-20 (MID)	04/14/2014	77.19	-----	34.95	-----	42.24
MW-20 (MID)	10/27/2014	77.19	-----	35.65	-----	41.54
MW-20 (MID)	04/20/2015	77.19	-----	35.94	-----	41.25
MW-20 (MID)	10/19/2015	77.19	-----	37.73	-----	39.46
MW-20 (MID)	04/11/2016	77.19	-----	37.55	-----	39.64
MW-20 (MID)	10/3/2016	77.19	-----	38.22	-----	38.97
MW-21 (MID)	05/04/1999	77.55	-----	28.99	-----	48.56
MW-21 (MID)	08/09/1999	77.55	-----	29.67	-----	47.88
MW-21 (MID)	11/15/1999	77.55	-----	30.50	-----	47.05
MW-21 (MID)	05/15/2000	77.55	-----	27.30	-----	50.25
MW-21 (MID)	11/13/2000	77.55	-----	30.41	-----	47.14
MW-21 (MID)	05/07/2001	77.55	-----	28.68	-----	48.87
MW-21 (MID)	11/05/2001	77.55	-----	28.67	-----	48.88
MW-21 (MID)	04/08/2002	77.55	-----	49.51	-----	28.04
MW-21 (MID)	10/21/2002	77.55	-----	29.92	-----	47.63
MW-21 (MID)	04/07/2003	77.55	-----	29.90	-----	47.65
MW-21 (MID)	10/06/2003	77.55	-----	29.51	-----	48.04

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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)	01/11/2004	77.55	-----	30.91	-----	46.64
MW-21 (MID)	04/19/2004	77.55	-----	30.66	-----	46.89
MW-21 (MID)	05/02/2005	77.55	-----	25.61	-----	51.94
MW-21 (MID)	10/31/2005	77.55	-----	26.31	-----	51.24
MW-21 (MID)	05/01/2006	77.55	-----	26.66	-----	50.89
MW-21 (MID)	12/04/2006	77.55	-----	27.55	-----	50.00
MW-21 (MID)	04/30/2007	77.55	-----	27.68	-----	49.87
MW-21 (MID)	11/12/2007	77.55	-----	28.08	-----	49.47
MW-21 (MID)	04/14/2008	77.55	-----	28.32	-----	49.23
MW-21 (MID)	10/13/2008	77.55	-----	28.96	-----	48.59
MW-21 (MID)	04/20/2009	77.55	-----	29.19	-----	48.36
MW-21 (MID)	10/19/2009	77.55	-----	30.30	-----	47.25
MW-21 (MID)	05/24/2010	77.55	-----	30.00	-----	47.55
MW-21 (MID)	05/28/2010	77.55	-----	29.97	-----	47.58
MW-21 (MID)	04/11/2011	77.55	-----	29.00	-----	48.55
MW-21 (MID)	10/10/2011	77.55	-----	29.44	-----	48.11
MW-21 (MID)	04/16/2012	77.55	-----	30.54	-----	47.01
MW-21 (MID)	10/15/2012	77.55	-----	31.23	-----	46.32
MW-21 (MID)	04/08/2013	77.55	-----	32.29	-----	45.26
MW-21 (MID)	10/07/2013	77.55	-----	32.62	-----	44.93
MW-21 (MID)	04/14/2014	77.55	-----	33.38	-----	44.17
MW-21 (MID)	10/27/2014	77.55	-----	33.62	-----	43.93
MW-21 (MID)	04/20/2015	77.55	-----	34.08	-----	43.47
MW-21 (MID)	10/19/2015	77.55	-----	34.77	-----	42.78
MW-21 (MID)	04/11/2016	77.55	-----	36.42	-----	41.13
MW-21 (MID)	10/3/2016	77.55	-----	37.83	-----	39.72
MW-22 (MID)	05/28/1996	79.57	-----	33.53	-----	46.04
MW-22 (MID)	11/20/1996	79.57	-----	34.39	-----	45.18
MW-22 (MID)	07/01/1997	79.57	-----	35.42	-----	44.15
MW-22 (MID)	12/31/1997	79.57	-----	34.06	-----	45.51
MW-22 (MID)	05/01/1998	79.57	-----	32.12	-----	47.45
MW-22 (MID)	02/02/1999	79.57	-----	31.76	-----	47.81
MW-22 (MID)	05/04/1999	79.57	-----	32.60	-----	46.97
MW-22 (MID)	05/25/1999	79.57	-----	32.02	-----	47.55
MW-22 (MID)	08/09/1999	79.57	-----	33.24	-----	46.33
MW-22 (MID)	02/29/2000	79.57	-----	32.76	-----	46.81
MW-22 (MID)	05/15/2000	79.57	-----	32.72	-----	46.85
MW-22 (MID)	08/28/2000	79.57	-----	33.80	-----	45.77
MW-22 (MID)	11/13/2000	79.57	-----	32.61	-----	46.96
MW-22 (MID)	11/13/2000	79.57	-----	33.47	-----	46.10
MW-22 (MID)	02/05/2001	79.57	-----	32.62	-----	46.95

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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)	05/07/2001	79.57	-----	32.01	-----	47.56
MW-22 (MID)	05/07/2001	79.57	-----	32.05	-----	47.52
MW-22 (MID)	09/18/2001	79.57	-----	32.07	-----	47.50
MW-22 (MID)	01/29/2002	79.57	-----	32.32	-----	47.25
MW-22 (MID)	04/08/2002	79.57	-----	32.61	-----	46.96
MW-22 (MID)	07/29/2002	79.57	-----	32.76	-----	46.81
MW-22 (MID)	10/21/2002	79.57	-----	32.66	-----	46.91
MW-22 (MID)	01/27/2003	79.57	-----	32.44	-----	47.13
MW-22 (MID)	04/07/2003	79.57	-----	32.50	-----	47.07
MW-22 (MID)	10/06/2003	79.57	-----	32.98	-----	46.59
MW-22 (MID)	04/19/2004	79.57	-----	33.32	-----	46.25
MW-22 (MID)	11/01/2004	79.57	-----	33.44	-----	46.13
MW-22 (MID)	02/28/2005	79.57	-----	31.66	-----	47.91
MW-22 (MID)	05/02/2005	79.57	-----	29.93	-----	49.64
MW-22 (MID)	03/06/2006	79.57	-----	30.12	-----	49.45
MW-22 (MID)	05/01/2006	79.57	-----	30.54	-----	49.03
MW-22 (MID)	08/26/2006	79.57	-----	31.04	-----	48.53
MW-22 (MID)	12/01/2006	79.57	-----	31.18	-----	48.39
MW-22 (MID)	03/21/2007	79.57	-----	31.49	-----	48.08
MW-22 (MID)	04/30/2007	79.57	-----	31.33	-----	48.24
MW-22 (MID)	08/28/2007	79.57	-----	31.96	-----	47.61
MW-22 (MID)	11/12/2007	79.57	-----	32.19	-----	47.38
MW-22 (MID)	02/05/2008	79.57	-----	32.51	-----	47.06
MW-22 (MID)	04/11/2008	79.57	-----	31.83	-----	47.74
MW-22 (MID)	10/13/2008	79.57	-----	33.01	-----	46.56
MW-22 (MID)	02/09/2009	79.57	-----	32.96	-----	46.61
MW-22 (MID)	04/20/2009	79.57	-----	32.65	-----	46.92
MW-22 (MID)	07/16/2009	79.57	-----	33.51	-----	46.06
MW-22 (MID)	07/20/2009	79.57	-----	33.96	-----	45.61
MW-22 (MID)	10/19/2009	79.57	-----	33.87	-----	45.70
MW-22 (MID)	01/11/2010	79.57	-----	34.14	-----	45.43
MW-22 (MID)	04/07/2010	79.57	-----	34.02	-----	45.55
MW-22 (MID)	04/12/2010	79.57	-----	33.62	-----	45.95
MW-22 (MID)	01/07/2011	79.57	-----	34.50	-----	45.07
MW-22 (MID)	04/06/2011	79.57	-----	33.39	-----	46.18
MW-22 (MID)	07/08/2011	79.57	-----	33.34	-----	46.23
MW-22 (MID)	10/06/2011	79.57	-----	33.57	-----	46.00
MW-22 (MID)	01/09/2012	79.57	-----	33.72	-----	45.85
MW-22 (MID)	04/12/2012	79.57	-----	34.22	-----	45.35
MW-22 (MID)	04/18/2012	79.57	-----	33.98	-----	45.59
MW-22 (MID)	01/11/2013	79.57	-----	35.48	-----	44.09

APPENDIX C

HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016

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)	04/03/2013	79.57	-----	35.32	-----	44.25
MW-22 (MID)	04/08/2013	79.57	-----	35.30	-----	44.27
MW-22 (MID)	10/02/2013	79.57	-----	36.18	-----	43.39
MW-22 (MID)	04/09/2014	79.57	-----	37.08	-----	42.49
MW-22 (MID)	04/15/2014	79.57	-----	36.84	-----	42.73
MW-22 (MID)	10/27/2014	79.57	-----	37.57	-----	42.00
MW-22 (MID)	04/20/2015	79.57	-----	37.94	-----	41.63
MW-22 (MID)	10/19/2015	79.57	-----	38.72	-----	40.85
MW-22 (MID)	04/11/2016	79.57	-----	39.20	-----	40.37
MW-22 (MID)	10/3/2016	79.57	-----	39.79	-----	39.78
MW-23 (MID)	05/28/1996	79.59	-----	32.44	-----	47.15
MW-23 (MID)	11/20/1996	79.59	-----	33.20	-----	46.39
MW-23 (MID)	07/01/1997	79.59	-----	32.94	-----	46.65
MW-23 (MID)	12/31/1997	79.59	-----	33.14	-----	46.45
MW-23 (MID)	05/01/1998	79.59	-----	30.25	-----	49.34
MW-23 (MID)	05/25/1999	79.59	-----	31.03	-----	48.56
MW-23 (MID)	05/15/2000	79.59	-----	31.97	-----	47.62
MW-23 (MID)	11/13/2000	79.59	-----	31.21	-----	48.38
MW-23 (MID)	05/07/2001	79.59	-----	28.30	-----	51.29
MW-23 (MID)	04/08/2002	79.59	-----	32.27	-----	47.32
MW-23 (MID)	10/21/2002	79.59	-----	31.44	-----	48.15
MW-23 (MID)	04/07/2003	79.59	-----	30.22	-----	49.37
MW-23 (MID)	10/06/2003	79.59	-----	31.50	-----	48.09
MW-23 (MID)	04/19/2004	79.59	-----	32.65	-----	46.94
MW-23 (MID)	11/01/2004	79.59	-----	32.33	-----	47.26
MW-23 (MID)	05/02/2005	79.59	-----	27.72	-----	51.87
MW-23 (MID)	03/06/2006	79.59	-----	28.81	-----	50.78
MW-23 (MID)	05/01/2006	79.59	-----	29.21	-----	50.38
MW-23 (MID)	08/26/2006	79.59	-----	29.56	-----	50.03
MW-23 (MID)	12/01/2006	79.59	-----	29.91	-----	49.68
MW-23 (MID)	03/21/2007	79.59	-----	30.14	-----	49.45
MW-23 (MID)	04/27/2007	79.59	-----	30.33	-----	49.26
MW-23 (MID)	08/28/2007	79.59	-----	31.05	-----	48.54
MW-23 (MID)	11/12/2007	79.59	-----	30.95	-----	48.64
MW-23 (MID)	02/05/2008	79.59	-----	31.91	-----	47.68
MW-23 (MID)	04/11/2008	79.59	-----	30.72	-----	48.87
MW-23 (MID)	07/24/2008	79.59	-----	31.02	-----	48.57
MW-23 (MID)	10/13/2008	79.59	-----	31.82	-----	47.77
MW-23 (MID)	02/09/2009	79.59	-----	32.78	-----	46.81
MW-23 (MID)	04/20/2009	79.59	-----	32.46	-----	47.13
MW-23 (MID)	07/16/2009	79.59	-----	31.79	-----	47.80

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)	10/19/2009	79.59	-----	32.44	-----	47.15
MW-23 (MID)	04/07/2010	79.59	-----	32.29	-----	47.30
MW-23 (MID)	04/12/2010	79.59	-----	31.83	-----	47.76
MW-23 (MID)	01/06/2011	79.59	-----	32.53	-----	47.06
MW-23 (MID)	04/06/2011	79.59	-----	31.34	-----	48.25
MW-23 (MID)	07/07/2011	79.59	-----	31.62	-----	47.97
MW-23 (MID)	10/06/2011	79.59	-----	32.03	-----	47.56
MW-23 (MID)	04/12/2012	79.59	-----	33.10	-----	46.49
MW-23 (MID)	04/19/2012	79.59	-----	32.87	-----	46.72
MW-23 (MID)	01/10/2013	79.59	-----	34.27	-----	45.32
MW-23 (MID)	04/02/2013	79.59	-----	34.25	-----	45.34
MW-23 (MID)	04/08/2013	79.59	-----	34.19	-----	45.40
MW-24	05/28/1996	78.51	-----	32.08	-----	46.43
MW-24	11/20/1996	78.51	-----	32.33	-----	46.18
MW-24	07/01/1997	78.51	-----	33.97	-----	44.54
MW-24	12/31/1997	78.51	-----	32.72	-----	45.79
MW-24	05/01/1998	78.51	-----	30.42	-----	48.09
MW-24	05/25/1999	78.51	-----	30.59	-----	47.92
MW-24	05/15/2000	78.51	-----	31.33	-----	47.18
MW-24	11/13/2000	78.51	-----	31.60	-----	46.91
MW-24	05/07/2001	78.51	-----	30.44	-----	48.07
MW-24	04/08/2002	78.51	-----	31.12	-----	47.39
MW-24	10/21/2002	78.51	-----	31.09	-----	47.42
MW-24	04/07/2003	78.51	-----	30.80	-----	47.71
MW-24	10/06/2003	78.51	-----	30.77	-----	47.74
MW-24	04/19/2004	78.51	-----	31.49	-----	47.02
MW-24	11/01/2004	78.51	-----	31.45	-----	47.06
MW-24	05/02/2005	78.51	-----	27.71	-----	50.80
MW-24	05/01/2006	78.51	-----	28.50	-----	50.01
MW-24	12/01/2006	78.51	-----	29.06	-----	49.45
MW-24	04/30/2007	78.51	-----	29.44	-----	49.07
MW-24	11/12/2007	78.51	-----	29.91	-----	48.60
MW-24	04/11/2008	78.51	-----	29.74	-----	48.77
MW-24	07/24/2008	78.51	-----	29.96	-----	48.55
MW-24	10/13/2008	78.51	-----	30.79	-----	47.72
MW-24	02/09/2009	78.51	-----	29.67	-----	48.84
MW-24	04/20/2009	78.51	-----	30.66	-----	47.85
MW-24	10/19/2009	78.51	-----	31.61	-----	46.90
MW-24	04/07/2010	78.51	-----	31.62	-----	46.89
MW-24	04/12/2010	78.51	-----	31.26	-----	47.25
MW-24	01/06/2011	78.51	-----	31.96	-----	46.55

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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	04/06/2011	78.51	-----	30.98	-----	47.53
MW-24	07/07/2011	78.51	-----	31.03	-----	47.48
MW-24	10/06/2011	78.51	-----	31.26	-----	47.25
MW-24	04/12/2012	78.51	-----	32.04	-----	46.47
MW-24	04/18/2012	78.51	-----	31.82	-----	46.69
MW-24	01/10/2013	78.51	-----	33.24	-----	45.27
MW-24	04/02/2013	78.51	-----	33.09	-----	45.42
MW-24	04/08/2013	78.51	-----	33.01	-----	45.50
MW-24	10/01/2013	78.51	-----	33.87	-----	44.64
MW-24	04/07/2014	78.51	-----	34.75	-----	43.76
MW-24	04/15/2014	78.51	-----	34.52	-----	43.99
MW-24	10/27/2014	78.51	-----	34.96	-----	43.55
MW-24	04/20/2015	78.51	-----	35.34	-----	43.17
MW-24	10/19/2015	78.51	-----	36.02	-----	42.49
MW-24	04/11/2016	78.51	-----	36.42	-----	42.09
MW-25	05/28/1996	79.15	-----	32.77	-----	46.38
MW-25	11/20/1996	79.15	-----	33.90	-----	45.25
MW-25	07/01/1997	79.15	-----	34.59	-----	44.56
MW-25	12/31/1997	79.15	-----	33.41	-----	45.74
MW-25	05/01/1998	79.15	-----	31.26	-----	47.89
MW-25	05/04/1999	79.15	-----	32.01	-----	47.14
MW-25	05/25/1999	79.15	-----	31.45	-----	47.70
MW-25	08/09/1999	79.15	-----	32.56	-----	46.59
MW-25	05/15/2000	79.15	-----	31.86	-----	47.29
MW-25	11/13/2000	79.15	-----	33.56	-----	45.59
MW-25	11/13/2000	79.15	-----	32.50	-----	46.65
MW-25	05/07/2001	79.15	-----	31.12	-----	48.03
MW-25	05/07/2001	79.15	-----	31.15	-----	48.00
MW-25	04/08/2002	79.15	-----	31.81	-----	47.34
MW-25	10/21/2002	79.15	-----	31.59	-----	47.56
MW-25	04/07/2003	79.15	-----	31.40	-----	47.75
MW-25	10/06/2003	79.15	-----	31.73	-----	47.42
MW-25	04/19/2004	79.15	-----	32.19	-----	46.96
MW-25	11/01/2004	79.15	-----	32.25	-----	46.90
MW-25	05/02/2005	79.15	-----	28.89	-----	50.26
MW-25	05/01/2006	79.15	-----	29.44	-----	49.71
MW-25	12/01/2006	79.15	-----	29.84	-----	49.31
MW-25	04/30/2007	79.15	-----	29.99	-----	49.16
MW-25	11/12/2007	79.15	-----	30.50	-----	48.65
MW-25	04/11/2008	79.15	-----	30.27	-----	48.88
MW-25	07/24/2008	79.15	-----	30.90	-----	48.25

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	10/13/2008	79.15	-----	31.44	-----	47.71
MW-25	02/09/2009	79.15	-----	30.70	-----	48.45
MW-25	04/20/2009	79.15	-----	31.32	-----	47.83
MW-25	10/19/2009	79.15	-----	32.00	-----	47.15
MW-25	04/07/2010	79.15	-----	32.39	-----	46.76
MW-25	04/12/2010	79.15	-----	31.86	-----	47.29
MW-25	01/07/2011	79.15	-----	32.76	-----	46.39
MW-25	04/06/2011	79.15	-----	31.64	-----	47.51
MW-25	07/08/2011	79.15	-----	31.55	-----	47.60
MW-25	10/06/2011	79.15	-----	31.78	-----	47.37
MW-25	04/12/2012	79.15	-----	32.58	-----	46.57
MW-25	04/17/2012	79.15	-----	32.35	-----	46.80
MW-25	01/11/2013	79.15	-----	33.86	-----	45.29
MW-25	04/03/2013	79.15	-----	33.65	-----	45.50
MW-25	04/08/2013	79.15	-----	33.44	-----	45.71
MW-26	05/28/1996	77.40	-----	30.70	-----	46.70
MW-26	11/20/1996	77.40	-----	31.25	-----	46.15
MW-26	07/01/1997	77.40	-----	32.24	-----	45.16
MW-26	12/31/1997	77.40	-----	31.44	-----	45.96
MW-26	05/01/1998	77.40	-----	28.96	-----	48.44
MW-26	05/25/1999	77.40	-----	29.54	-----	47.86
MW-26	05/15/2000	77.40	-----	29.97	-----	47.43
MW-26	11/13/2000	77.40	-----	30.73	-----	46.67
MW-26	05/07/2001	77.40	-----	29.05	-----	48.35
MW-26	04/08/2002	77.40	-----	29.94	-----	47.46
MW-26	10/21/2002	77.40	-----	29.73	-----	47.67
MW-26	04/07/2003	77.40	-----	29.50	-----	47.90
MW-26	10/06/2003	77.40	-----	29.78	-----	47.62
MW-26	04/19/2004	77.40	-----	30.54	-----	46.86
MW-26	11/01/2004	77.40	-----	30.43	-----	46.97
MW-26	05/02/2005	77.40	-----	26.06	-----	51.34
MW-26	05/01/2006	77.40	-----	27.46	-----	49.94
MW-26	12/01/2006	77.40	-----	28.00	-----	49.40
MW-26	04/30/2007	77.40	-----	28.18	-----	49.22
MW-26	11/12/2007	77.40	-----	28.75	-----	48.65
MW-26	04/11/2008	77.40	-----	28.46	-----	48.94
MW-26	07/24/2008	77.40	-----	29.00	-----	48.40
MW-26	10/13/2008	77.40	-----	29.42	-----	47.98
MW-26	02/09/2009	77.40	-----	29.11	-----	48.29
MW-26	04/20/2009	77.40	-----	29.42	-----	47.98
MW-26	10/19/2009	77.40	-----	30.00	-----	47.40

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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	04/07/2010	77.40	-----	30.24	-----	47.16
MW-26	04/12/2010	77.40	-----	29.82	-----	47.58
MW-26	01/07/2011	77.40	-----	30.77	-----	46.63
MW-26	04/06/2011	77.40	-----	29.52	-----	47.88
MW-26	07/08/2011	77.40	-----	29.48	-----	47.92
MW-26	10/06/2011	77.40	-----	29.88	-----	47.52
MW-26	04/12/2012	77.40	-----	30.77	-----	46.63
MW-26	04/17/2012	77.40	-----	30.58	-----	46.82
MW-26	01/11/2013	77.40	-----	32.17	-----	45.23
MW-26	04/03/2013	77.40	-----	31.94	-----	45.46
MW-26	04/08/2013	77.40	-----	31.86	-----	45.54
MW-26	10/02/2013	77.40	-----	32.72	-----	44.68
MW-26	04/09/2014	77.40	-----	33.63	-----	43.77
MW-26	04/15/2014	77.40	-----	33.38	-----	44.02
MW-26	10/27/2014	77.40	-----	33.81	-----	43.59
MW-26	04/20/2015	77.40	-----	34.22	-----	43.18
MW-26	10/19/2015	77.40	-----	34.94	-----	42.46
MW-26	04/11/2016	77.40	-----	35.48	-----	41.92
MW-26	10/3/2016	77.40	-----	35.90	-----	41.50
MW-27	05/28/1996	78.46	-----	31.43	-----	47.03
MW-27	11/20/1996	78.46	-----	32.13	-----	46.33
MW-27	07/01/1997	78.46	-----	32.99	-----	45.47
MW-27	12/31/1997	78.46	-----	32.21	-----	46.25
MW-27	05/01/1998	78.46	-----	29.05	-----	49.41
MW-27	05/25/1999	78.46	-----	30.27	-----	48.19
MW-27	05/15/2000	78.46	-----	30.81	-----	47.65
MW-27	11/13/2000	78.46	-----	31.79	-----	46.67
MW-27	05/07/2001	78.46	-----	29.61	-----	48.85
MW-27	04/08/2002	78.46	-----	30.69	-----	47.77
MW-27	10/21/2002	78.46	-----	30.62	-----	47.84
MW-27	04/07/2003	78.46	-----	30.40	-----	48.06
MW-27	10/06/2003	78.46	-----	30.79	-----	47.67
MW-27	04/19/2004	78.46	-----	31.87	-----	46.59
MW-27	11/01/2004	78.46	-----	31.66	-----	46.80
MW-27	05/02/2005	78.46	-----	26.48	-----	51.98
MW-27	05/01/2006	78.46	-----	28.17	-----	50.29
MW-27	12/01/2006	78.46	-----	28.99	-----	49.47
MW-27	04/30/2007	78.46	-----	29.17	-----	49.29
MW-27	11/12/2007	78.46	-----	29.75	-----	48.71
MW-27	04/11/2008	78.46	-----	29.25	-----	49.21
MW-27	07/24/2008	78.46	-----	29.96	-----	48.50

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	10/13/2008	78.46	-----	30.34	-----	48.12
MW-27	02/09/2009	78.46	-----	30.44	-----	48.02
MW-27	04/20/2009	78.46	-----	30.27	-----	48.19
MW-27	10/19/2009	78.46	-----	31.23	-----	47.23
MW-27	04/07/2010	78.46	-----	30.95	-----	47.51
MW-27	04/12/2010	78.46	-----	30.79	-----	47.67
MW-27	01/07/2011	78.46	-----	31.53	-----	46.93
MW-27	04/06/2011	78.46	-----	29.82	-----	48.64
MW-27	07/08/2011	78.46	-----	30.03	-----	48.43
MW-27	10/06/2011	78.46	-----	30.06	-----	48.40
MW-27	04/12/2012	78.46	-----	31.72	-----	46.74
MW-27	04/17/2012	78.46	-----	31.49	-----	46.97
MW-27	01/11/2013	78.46	-----	33.24	-----	45.22
MW-27	04/03/2013	78.46	-----	33.02	-----	45.44
MW-27	04/08/2013	78.46	-----	32.98	-----	45.48
MW-27	10/02/2013	78.46	-----	33.78	-----	44.68
MW-27	10/27/2014	78.46	-----	34.63	-----	43.83
MW-27	04/20/2015	78.46	-----	35.03	-----	43.43
MW-27	10/19/2015	78.46	-----	35.79	-----	42.67
MW-27	04/11/2016	78.46	-----	36.66	-----	41.80
MW-27	10/3/2016	78.46	-----	37.16	-----	41.30
MW-28	05/28/1996	78.53	-----	31.13	-----	47.40
MW-28	11/20/1996	78.53	-----	31.79	-----	46.74
MW-28	07/01/1997	78.53	-----	31.98	-----	46.55
MW-28	12/31/1997	78.53	-----	31.51	-----	47.02
MW-28	05/01/1998	78.53	-----	29.09	-----	49.44
MW-28	05/25/1999	78.53	-----	29.83	-----	48.70
MW-28	05/15/2000	78.53	-----	30.45	-----	48.08
MW-28	11/13/2000	78.53	-----	30.65	-----	47.88
MW-28	05/07/2001	78.53	-----	29.18	-----	49.35
MW-28	04/08/2002	78.53	-----	30.25	-----	48.28
MW-28	10/21/2002	78.53	-----	30.77	-----	47.76
MW-28	04/07/2003	78.53	-----	29.85	-----	48.68
MW-28	10/06/2003	78.53	-----	30.10	-----	48.43
MW-28	04/19/2004	78.53	-----	31.45	-----	47.08
MW-28	11/01/2004	78.53	-----	31.25	-----	47.28
MW-28	05/02/2005	78.53	-----	25.17	-----	53.36
MW-28	05/01/2006	78.53	-----	27.55	-----	50.98
MW-28	12/01/2006	78.53	-----	28.66	-----	49.87
MW-28	04/30/2007	78.53	-----	29.05	-----	49.48
MW-28	11/12/2007	78.53	-----	29.64	-----	48.89

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-28	04/11/2008	78.53	-----	29.28	-----	49.25
MW-28	10/14/2008	78.53	-----	30.38	-----	48.15
MW-28	04/08/2010	78.53	-----	30.58	-----	47.95
MW-28	10/01/2010	78.53	-----	31.07	-----	47.46
MW-28	01/07/2011	78.53	-----	31.13	-----	47.40
MW-28	04/12/2012	78.53	-----	31.76	-----	46.77
MW-28	10/02/2013	78.53	-----	33.89	-----	44.64
MW-28	04/07/2014	78.53	-----	34.91	-----	43.62
MW-28	10/27/2014	78.53	-----	34.79	-----	43.74
MW-28	04/20/2015	78.53	-----	35.10	-----	43.43
MW-29	05/28/1996	79.13	31.36	31.49	0.13	NC
MW-29	11/20/1996	79.13	32.41	32.66	0.25	NC
MW-29	07/01/1997	79.13	31.60	31.65	0.05	NC
MW-29	12/31/1997	79.13	-----	31.99	-----	47.14
MW-29	05/01/1998	79.13	-----	29.06	-----	50.07
MW-29	05/25/1999	79.13	-----	30.03	-----	49.10
MW-29	05/15/2000	79.13	-----	30.81	-----	48.32
MW-29	11/13/2000	79.13	-----	31.30	-----	47.83
MW-29	05/07/2001	79.13	-----	29.30	-----	49.83
MW-29	02/01/2002	79.13	-----	29.71	-----	49.42
MW-29	04/08/2002	79.13	-----	31.12	-----	48.01
MW-29	10/21/2002	79.13	-----	31.48	-----	47.65
MW-29	04/07/2003	79.13	-----	30.42	-----	48.71
MW-29	10/06/2003	79.13	-----	30.40	-----	48.73
MW-29	04/19/2004	79.13	-----	31.39	-----	47.74
MW-29	11/01/2004	79.13	-----	31.72	-----	47.41
MW-29	03/06/2006	79.13	-----	27.38	-----	51.75
MW-29	05/01/2006	79.13	-----	27.52	-----	51.61
MW-29	08/26/2006	79.13	-----	28.23	-----	50.90
MW-29	12/01/2006	79.13	-----	28.92	-----	50.21
MW-29	03/21/2007	79.13	-----	28.72	-----	50.41
MW-29	04/30/2007	79.13	-----	29.66	-----	49.47
MW-29	08/28/2007	79.13	-----	29.01	-----	50.12
MW-29	11/12/2007	79.13	-----	30.25	-----	48.88
MW-29	02/05/2008	79.13	-----	29.91	-----	49.22
MW-29	07/24/2008	79.13	-----	30.03	-----	49.10
MW-29	10/14/2008	79.13	-----	30.94	-----	48.19
MW-29	02/10/2009	79.13	-----	30.26	-----	48.87
MW-29	07/16/2009	79.13	-----	31.15	-----	47.98
MW-29	04/08/2010	79.13	-----	31.04	-----	48.09
MW-29	10/01/2010	79.13	-----	31.64	-----	47.49

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	01/08/2011	79.13	-----	31.90	-----	47.23
MW-29	04/06/2011	79.13	-----	30.19	-----	48.94
MW-29	07/08/2011	79.13	-----	30.65	-----	48.48
MW-29	10/06/2011	79.13	-----	31.30	-----	47.83
MW-29	04/12/2012	79.13	-----	32.52	-----	46.61
MW-29	01/10/2013	79.13	-----	33.79	-----	45.34
MW-29	04/03/2013	79.13	-----	33.78	-----	45.35
MW-29	04/08/2013	79.13	-----	33.58	-----	45.55
MW-29	10/02/2013	79.13	-----	34.50	-----	44.63
MW-29	04/09/2014	79.13	-----	35.19	-----	43.94
MW-29	04/17/2014	79.13	-----	34.78	-----	44.35
MW-29	10/27/2014	79.13	-----	35.26	-----	43.87
MW-29	04/20/2015	79.13	-----	35.65	-----	43.48
MW-29	10/19/2015	79.13	-----	36.46	-----	42.67
MW-29	4.11.16	79.13	-----	37.27	-----	41.86
MW-29	10/3/2016	79.13	-----	37.74	-----	41.39
MW-O-1	04/08/2002	75.48	-----	24.31	-----	51.17
MW-O-1	10/06/2003	75.48	-----	25.54	-----	49.94
MW-O-1	01/11/2004	75.48	26.52	26.60	0.08	NC
MW-O-1	05/02/2005	75.48	22.85	22.89	0.04	NC
MW-O-1	10/31/2005	75.48	27.43	27.51	0.08	NC
MW-O-1	05/01/2006	75.48	22.62	24.09	1.47	NC
MW-O-1	12/04/2006	75.48	23.62	24.86	1.24	NC
MW-O-1	04/30/2007	75.48	23.98	24.10	0.12	NC
MW-O-1	08/14/2007	75.48	23.78	25.31	1.53	NC
MW-O-1	08/28/2007	75.48	23.06	23.07	0.01	NC
MW-O-1	11/12/2007	75.48	24.25	24.27	0.02	NC
MW-O-1	10/17/2008	75.48	-----	25.30	-----	50.18
MW-O-1	04/21/2009	75.48	-----	25.41	-----	50.07
MW-O-1	10/19/2009	75.48	-----	26.30	-----	49.18
MW-O-1	10/04/2010	75.48	-----	26.90	-----	48.58
MW-O-1	04/11/2011	75.48	-----	25.59	-----	49.89
MW-O-1	10/10/2011	75.48	-----	26.52	-----	48.96
MW-O-1	04/16/2012	75.48	-----	27.25	-----	48.23
MW-O-1	10/15/2012	75.48	-----	28.94	-----	46.54
MW-O-1	04/08/2013	75.48	-----	28.81	-----	46.67
MW-O-1	10/07/2013	75.48	-----	29.21	-----	46.27
MW-O-1	04/14/2014	75.48	-----	29.82	-----	45.66
MW-O-1	04/20/2015	75.48	-----	30.39	-----	45.09
MW-O-1	10/27/2015	75.48	-----	27.67	-----	47.81
MW-O-1	04/11/2016	75.48	-----	DRY	-----	-----

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-O-1	10/3/2016	75.48	-----	DRY (to 32.71)	-----	-----
MW-O-2	05/28/1996	74.38	25.39	27.40	2.01	NC
MW-O-2	11/20/1996	74.38	25.55	29.58	4.03	NC
MW-O-2	07/01/1997	74.31	26.15	26.49	0.34	NC
MW-O-2	12/31/1997	74.31	26.78	29.00	2.22	NC
MW-O-2	05/15/2000	74.31	25.37	29.63	4.26	NC
MW-O-2	11/13/2000	74.31	25.61	26.32	0.71	NC
MW-O-2	11/05/2001	74.31	-----	24.62	-----	49.69
MW-O-2	04/08/2002	74.31	-----	25.71	-----	48.60
MW-O-2	10/06/2003	74.31	23.00	24.19	1.19	NC
MW-O-2	05/02/2005	74.31	-----	27.02	-----	47.29
MW-O-2	10/31/2005	74.31	27.58	27.82	0.24	NC
MW-O-2	05/22/2006	74.31	21.31	21.32	0.01	NC
MW-O-2	12/04/2006	74.31	-----	23.10	-----	51.21
MW-O-2	04/30/2007	74.31	-----	22.53	-----	51.78
MW-O-2	11/12/2007	71.90	-----	23.10	-----	48.80
MW-O-2	10/17/2008	71.90	-----	24.85	-----	47.05
MW-O-2	10/04/2010	71.90	-----	26.05	-----	45.85
MW-O-2	04/13/2011	71.90	-----	23.31	-----	48.59
MW-O-2	10/10/2011	71.90	-----	27.53	-----	44.37
MW-O-2	01/09/2012	71.90	-----	28.13	-----	43.77
MW-O-2	07/09/2012	71.90	-----	26.53	-----	45.37
MW-O-2	10/15/2012	71.90	-----	26.89	-----	45.01
MW-O-2	01/14/2013	71.90	-----	26.93	-----	44.97
MW-O-2	06/06/2013	71.90	-----	28.99	-----	42.91
MW-O-2	10/07/2013	71.90	-----	29.06	-----	42.84
MW-O-2	04/14/2014	71.90	-----	29.36	-----	42.54
MW-O-2	10/27/2014	71.90	29.65	29.81	0.16	NC
MW-O-2	04/20/2015	71.90	29.34	30.94	1.60	NC
MW-O-2	05/21/2015	71.90	27.31	32.50	5.19	NC
MW-O-2	10/19/2015	71.90	30.53	32.39	1.86	NC
MW-O-2	04/11/2016	71.90	32.54	33.03	0.49	NC
MW-O-2	10/3/2016	71.90	34.22	34.30	0.08	NC
MW-O-4	05/04/1999	75.00	24.14	24.19	0.05	NC
MW-O-4	04/08/2002	75.00	-----	22.71	-----	52.29
MW-SF-1	08/07/2001	76.31	29.07	29.18	0.11	NC
MW-SF-1	04/08/2002	78.93	-----	29.81	-----	49.12
MW-SF-1	11/04/2002	78.93	31.02	31.03	0.01	NC
MW-SF-1	07/30/2003	78.93	-----	29.97	-----	48.96
MW-SF-1	10/06/2003	78.93	-----	30.01	-----	48.92
MW-SF-1	01/11/2004	78.93	-----	31.12	-----	47.81

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-SF-1	04/19/2004	78.93	-----	30.71	-----	48.22
MW-SF-1	05/02/2005	78.93	-----	26.21	-----	52.72
MW-SF-1	10/31/2005	78.93	-----	27.09	-----	51.84
MW-SF-1	05/01/2006	78.93	-----	27.51	-----	51.42
MW-SF-1	12/04/2006	78.93	-----	28.28	-----	50.65
MW-SF-1	03/12/2007	78.93	-----	28.71	-----	50.22
MW-SF-1	04/30/2007	78.93	-----	28.44	-----	50.49
MW-SF-1	08/28/2007	78.93	-----	27.94	-----	50.99
MW-SF-1	11/12/2007	78.93	-----	28.76	-----	50.17
MW-SF-1	02/19/2008	78.93	-----	29.50	-----	49.43
MW-SF-1	04/14/2008	78.93	-----	29.16	-----	49.77
MW-SF-1	08/11/2008	78.93	-----	29.75	-----	49.18
MW-SF-1	10/13/2008	78.93	-----	29.86	-----	49.07
MW-SF-1	04/20/2009	78.93	-----	29.97	-----	48.96
MW-SF-1	07/20/2009	78.93	-----	30.98	-----	47.95
MW-SF-1	10/19/2009	78.93	-----	31.11	-----	47.82
MW-SF-1	03/15/2010	78.93	-----	31.74	-----	47.19
MW-SF-1	05/24/2010	78.93	-----	30.79	-----	48.14
MW-SF-1	05/28/2010	78.93	-----	30.57	-----	48.36
MW-SF-1	10/04/2010	78.93	-----	30.88	-----	48.05
MW-SF-1	01/10/2011	78.93	-----	32.51	-----	46.42
MW-SF-1	04/11/2011	78.93	-----	29.87	-----	49.06
MW-SF-1	07/11/2011	78.93	-----	29.84	-----	49.09
MW-SF-1	10/10/2011	78.93	-----	29.60	-----	49.33
MW-SF-1	01/09/2012	78.93	-----	31.25	-----	47.68
MW-SF-1	04/16/2012	78.93	-----	32.59	-----	46.34
MW-SF-1	07/09/2012	78.93	-----	31.24	-----	47.69
MW-SF-1	10/15/2012	78.93	-----	32.23	-----	46.70
MW-SF-1	01/14/2013	78.93	-----	33.88	-----	45.05
MW-SF-1	04/08/2013	78.93	-----	33.38	-----	45.55
MW-SF-1	10/07/2013	78.93	31.72	37.14	5.42	NC
MW-SF-1	04/14/2014	78.93	32.69	37.40	4.71	NC
MW-SF-1	10/27/2014	78.93	34.43	34.80	0.37	NC
MW-SF-1	04/20/2015	78.93	34.48	34.89	0.41	NC
MW-SF-1	10/19/2015	78.93	35.53	36.35	0.82	NC
MW-SF-1	04/11/2016	78.93	-----	37.96	-----	40.97
MW-SF-1	10/3/2016	78.93	-----	39.20	-----	39.73
MW-SF-2	11/20/1996	78.45	30.31	36.68	6.37	NC
MW-SF-2	07/01/1997	78.45	28.43	45.25	16.82	NC
MW-SF-2	12/31/1997	78.45	30.86	33.92	3.06	NC
MW-SF-2	05/01/1998	78.45	20.73	27.55	6.82	NC

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MW-SF-2	05/15/2000	78.45	27.56	30.01	2.45	NC
MW-SF-2	11/13/2000	78.45	29.27	30.32	1.05	NC
MW-SF-2	05/07/2001	78.45	28.00	29.75	1.75	NC
MW-SF-2	08/07/2001	78.45	28.79	30.25	1.46	NC
MW-SF-2	11/05/2001	78.45	29.50	30.49	0.99	NC
MW-SF-2	10/21/2002	78.45	29.74	30.74	1.00	NC
MW-SF-2	10/06/2003	78.93	29.87	29.88	0.01	NC
MW-SF-2	04/19/2004	78.45	30.90	30.91	0.01	NC
MW-SF-2	05/02/2005	78.45	26.25	26.52	0.27	NC
MW-SF-2	10/31/2005	78.45	26.30	29.71	3.41	NC
MW-SF-2	05/01/2006	78.45	27.22	27.96	0.74	NC
MW-SF-2	12/04/2006	78.45	27.98	28.82	0.84	NC
MW-SF-2	04/30/2007	78.45	28.34	28.35	0.01	NC
MW-SF-2	11/12/2007	78.45	28.71	29.18	0.47	NC
MW-SF-2	08/12/2008	78.45	-----	31.11	-----	47.34
MW-SF-2	10/17/2008	78.45	31.00	31.55	0.55	NC
MW-SF-2	04/21/2009	78.53	-----	29.98	-----	48.55
MW-SF-2	10/04/2010	78.53	30.75	30.96	0.21	NC
MW-SF-2	04/11/2011	78.53	-----	29.83	-----	48.70
MW-SF-2	10/10/2011	78.53	-----	29.82	-----	48.71
MW-SF-2	01/09/2012	78.53	-----	30.52	-----	48.01
MW-SF-2	04/16/2012	78.53	-----	31.28	-----	47.25
MW-SF-2	07/09/2012	78.53	-----	33.18	-----	45.35
MW-SF-2	10/15/2012	78.53	-----	32.11	-----	46.42
MW-SF-2	01/14/2013	78.53	-----	33.59	-----	44.94
MW-SF-2	04/08/2013	78.53	-----	33.32	-----	45.21
MW-SF-2	10/07/2013	78.53	33.08	34.58	1.50	NC
MW-SF-2	04/14/2014	78.53	33.27	37.50	4.23	NC
MW-SF-2	10/27/2014	78.53	33.54	37.04	3.50	NC
MW-SF-2	04/20/2015	78.53	34.73	36.15	1.42	NC
MW-SF-2	10/21/2015	78.53	36.13	36.32	0.19	NC
MW-SF-2	04/11/2016	78.53	-----	37.47	-----	41.06
MW-SF-2	10/3/2016	78.53	-----	39.60	-----	38.93
MW-SF-3	08/07/2001	76.03	27.67	29.20	1.53	NC
MW-SF-3	04/08/2002	77.62	-----	27.17	-----	50.45
MW-SF-3	11/04/2002	77.62	29.72	29.93	0.21	NC
MW-SF-3	10/06/2003	78.93	28.92	29.09	0.17	NC
MW-SF-3	04/19/2004	77.62	29.92	30.81	0.89	NC
MW-SF-3	05/02/2005	77.62	25.09	26.70	1.61	NC
MW-SF-3	10/31/2005	77.62	-----	27.91	-----	49.71
MW-SF-3	05/01/2006	77.62	26.37	26.81	0.44	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)
MW-SF-3	12/04/2006	77.62	27.18	27.77	0.59	NC
MW-SF-3	04/30/2007	77.62	27.45	27.72	0.27	NC
MW-SF-3	11/12/2007	77.62	28.28	29.34	1.06	NC
MW-SF-3	08/12/2008	77.62	29.05	30.30	1.25	NC
MW-SF-3	10/17/2008	77.62	-----	29.45	-----	48.17
MW-SF-3	04/21/2009	78.12	29.50	29.51	0.01	NC
MW-SF-3	10/04/2010	78.12	30.30	30.88	0.58	NC
MW-SF-3	04/12/2011	78.12	-----	29.44	-----	48.68
MW-SF-3	10/10/2011	78.12	-----	30.75	-----	47.37
MW-SF-3	10/15/2012	78.12	-----	32.47	-----	45.65
MW-SF-3	05/24/2013	78.12	32.51	33.35	0.84	NC
MW-SF-3	11/14/2013	78.12	-----	33.26	-----	44.86
MW-SF-3	04/18/2014	78.12	33.62	33.72	0.10	NC
MW-SF-3	10/27/2014	78.12	33.85	34.49	0.64	NC
MW-SF-3	04/20/2015	78.12	----	34.52	----	43.60
MW-SF-3	10/21/2015	78.12	----	35.18	----	42.94
MW-SF-3	04/11/2016	78.12	----	37.17	----	40.95
MW-SF-3	10/3/2016	78.12	-----	39.40	-----	38.72
MW-SF-4	11/20/1996	79.38	32.17	35.90	3.73	NC
MW-SF-4	07/01/1997	79.38	31.85	36.92	5.07	NC
MW-SF-4	12/31/1997	79.38	32.10	33.89	1.79	NC
MW-SF-4	05/01/1998	79.38	28.27	29.99	1.72	NC
MW-SF-4	11/19/1999	79.38	28.80	36.87	8.07	NC
MW-SF-4	05/07/2001	79.38	-----	24.62	-----	54.76
MW-SF-4	05/10/2001	79.38	-----	24.61	-----	54.77
MW-SF-4	11/05/2001	79.38	-----	30.05	-----	49.33
MW-SF-4	04/08/2002	79.38	-----	28.46	-----	50.92
MW-SF-4	10/21/2002	79.38	-----	31.50	-----	47.88
MW-SF-4	07/30/2003	79.38	31.89	31.92	0.03	NC
MW-SF-4	10/06/2003	79.38	-----	30.82	-----	48.56
MW-SF-4	01/27/2004	79.38	31.30	31.94	0.64	NC
MW-SF-4	04/19/2004	79.38	31.65	32.70	1.05	NC
MW-SF-4	07/19/2004	79.38	31.42	31.81	0.39	NC
MW-SF-4	02/01/2005	79.38	30.34	30.71	0.37	NC
MW-SF-4	05/02/2005	79.38	26.85	27.00	0.15	NC
MW-SF-4	08/01/2005	79.38	27.43	27.81	0.38	NC
MW-SF-4	10/31/2005	79.38	-----	27.11	-----	52.27
MW-SF-4	02/27/2006	79.38	28.20	28.39	0.19	NC
MW-SF-4	05/01/2006	79.38	28.34	28.56	0.22	NC
MW-SF-4	09/18/2006	79.38	29.56	29.94	0.38	NC
MW-SF-4	12/04/2006	79.38	-----	26.98	-----	52.40

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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	03/12/2007	79.38	29.41	30.01	0.60	NC
MW-SF-4	04/30/2007	79.38	29.11	29.96	0.85	NC
MW-SF-4	08/28/2007	79.38	28.30	29.95	1.65	NC
MW-SF-4	11/12/2007	79.38	29.69	29.70	0.01	NC
MW-SF-4	02/19/2008	79.38	-----	30.22	-----	49.16
MW-SF-4	04/14/2008	79.38	-----	29.95	-----	49.43
MW-SF-4	08/08/2008	79.38	-----	30.51	-----	48.87
MW-SF-4	08/11/2008	79.38	-----	30.57	-----	48.81
MW-SF-4	10/16/2008	79.38	-----	30.77	-----	48.61
MW-SF-4	04/20/2009	79.38	29.94	30.02	0.08	NC
MW-SF-4	07/20/2009	79.38	31.61	31.65	0.04	NC
MW-SF-4	10/19/2009	79.38	31.90	31.93	0.03	NC
MW-SF-4	03/15/2010	79.38	31.91	31.95	0.04	NC
MW-SF-4	05/24/2010	79.38	-----	31.60	-----	47.78
MW-SF-4	05/28/2010	79.38	-----	26.40	-----	52.98
MW-SF-4	10/04/2010	79.38	-----	31.81	-----	47.57
MW-SF-4	01/10/2011	79.38	-----	32.99	-----	46.39
MW-SF-4	04/11/2011	79.38	-----	30.85	-----	48.53
MW-SF-4	07/11/2011	79.38	-----	30.35	-----	49.03
MW-SF-4	01/09/2012	79.38	-----	32.07	-----	47.31
MW-SF-4	04/16/2012	79.38	-----	33.35	-----	46.03
MW-SF-4	07/09/2012	79.38	-----	32.11	-----	47.27
MW-SF-4	10/15/2012	79.38	-----	34.04	-----	45.34
MW-SF-4	01/14/2013	79.38	-----	34.52	-----	44.86
MW-SF-4	04/25/2014	79.38	34.23	40.03	5.80	NC
MW-SF-4	10/27/2014	79.38	35.25	35.54	0.29	NC
MW-SF-4	04/20/2015	79.38	35.29	37.78	2.49	NC
MW-SF-4	10/19/2015	79.38	36.25	38.12	1.87	NC
MW-SF-4	04/11/2016	79.38	-----	37.76	-----	41.62
MW-SF-4	10/3/2016	79.38	-----	41.05	-----	38.33
MW-SF-5	08/07/2001	75.63	-----	30.33	-----	45.30
MW-SF-5	04/08/2002	79.74	-----	26.42	-----	53.32
MW-SF-5	11/04/2002	79.74	31.77	31.79	0.02	NC
MW-SF-5	10/06/2003	79.74	31.14	31.15	0.01	NC
MW-SF-5	04/19/2004	79.74	-----	32.22	-----	47.52
MW-SF-5	05/02/2005	79.74	-----	27.50	-----	52.24
MW-SF-5	10/31/2005	79.74	-----	27.99	-----	51.75
MW-SF-5	05/01/2006	79.74	-----	28.42	-----	51.32
MW-SF-5	12/04/2006	79.74	-----	28.23	-----	51.51
MW-SF-5	04/30/2007	79.74	-----	29.54	-----	50.20
MW-SF-5	08/28/2007	79.74	-----	28.84	-----	50.90

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-5	11/12/2007	79.74	-----	29.93	-----	49.81
MW-SF-5	04/14/2008	79.74	-----	30.20	-----	49.54
MW-SF-5	08/11/2008	79.74	-----	30.85	-----	48.89
MW-SF-5	10/13/2008	79.74	-----	30.93	-----	48.81
MW-SF-5	04/20/2009	79.74	-----	30.99	-----	48.75
MW-SF-5	05/24/2010	79.74	-----	31.55	-----	48.19
MW-SF-5	05/28/2010	79.74	-----	31.44	-----	48.30
MW-SF-5	10/04/2010	79.74	-----	31.39	-----	48.35
MW-SF-5	01/10/2011	79.74	-----	33.80	-----	45.94
MW-SF-5	04/11/2011	79.74	-----	31.03	-----	48.71
MW-SF-5	10/10/2011	79.74	-----	31.28	-----	48.46
MW-SF-5	01/09/2012	79.74	-----	32.12	-----	47.62
MW-SF-5	04/16/2012	79.74	-----	33.30	-----	46.44
MW-SF-5	07/09/2012	79.74	-----	34.45	-----	45.29
MW-SF-5	10/15/2012	79.74	-----	33.28	-----	46.46
MW-SF-5	01/14/2013	79.74	-----	33.37	-----	46.37
MW-SF-5	04/08/2013	79.74	-----	34.28	-----	45.46
MW-SF-5	10/07/2013	79.74	-----	34.58	-----	45.16
MW-SF-5	04/14/2014	79.74	-----	35.33	-----	44.41
MW-SF-5	10/27/2014	79.74	-----	35.48	-----	44.26
MW-SF-5	04/20/2015	79.74	-----	36.05	-----	43.69
MW-SF-5	10/19/2015	79.74	-----	36.82	-----	42.92
MW-SF-5	04/11/2016	79.74	-----	DRY	-----	-----
MW-SF-5	10/3/2016	79.74	-----	DRY (to 37.80)	-----	-----
MW-SF-6	11/20/1996	80.59	31.88	39.82	7.94	NC
MW-SF-6	07/01/1997	80.59	33.20	39.18	5.98	NC
MW-SF-6	12/31/1997	80.59	34.38	39.94	5.56	NC
MW-SF-6	05/01/1998	80.59	24.82	30.01	5.19	NC
MW-SF-6	05/15/2000	80.59	29.67	31.19	1.52	NC
MW-SF-6	05/01/2006	79.96	-----	25.43	-----	54.53
MW-SF-6	04/30/2007	79.96	27.20	27.44	0.24	NC
MW-SF-6	11/12/2007	79.96	-----	27.14	-----	52.82
MW-SF-6	08/12/2008	79.96	-----	29.82	-----	50.14
MW-SF-6	10/17/2008	79.96	-----	29.75	-----	50.21
MW-SF-6	04/21/2009	76.80	-----	28.45	-----	48.35
MW-SF-6	10/04/2010	76.80	-----	29.09	-----	47.71
MW-SF-6	01/10/2011	76.80	-----	30.87	-----	45.93
MW-SF-6	04/11/2011	76.80	-----	28.16	-----	48.64
MW-SF-6	10/10/2011	76.80	-----	28.21	-----	48.59
MW-SF-6	01/09/2012	76.80	-----	29.03	-----	47.77
MW-SF-6	04/16/2012	76.80	-----	29.66	-----	47.14

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-6	07/09/2012	76.80	-----	31.46	-----	45.34
MW-SF-6	10/15/2012	76.80	-----	31.44	-----	45.36
MW-SF-6	01/14/2013	76.80	-----	31.53	-----	45.27
MW-SF-6	04/08/2013	76.80	28.81	30.21	1.40	NC
MW-SF-6	11/14/2013	76.80	-----	31.90	-----	44.90
MW-SF-6	04/18/2014	76.80	32.15	33.30	1.15	NC
MW-SF-6	10/27/2014	76.80	32.58	32.92	0.34	NC
MW-SF-6	04/20/2015	76.80	33.11	33.23	0.12	NC
MW-SF-6	10/21/2015	76.80	----	34.28	----	42.52
MW-SF-6	04/11/2016	76.80	----	35.83	----	40.97
MW-SF-6	10/3/2016	76.80	-----	38.45	-----	38.35
MW-SF-9	11/19/1999	74.10	-----	25.57	-----	48.53
MW-SF-9	11/05/2001	74.10	-----	32.11	-----	41.99
MW-SF-9	04/08/2002	74.10	-----	31.62	-----	42.48
MW-SF-9	07/30/2003	74.10	-----	25.12	-----	48.98
MW-SF-9	10/06/2003	74.10	-----	25.23	-----	48.87
MW-SF-9	01/11/2004	74.10	26.00	26.02	0.02	NC
MW-SF-9	04/19/2004	74.10	26.20	26.23	0.03	NC
MW-SF-9	05/02/2005	74.10	-----	20.41	-----	53.69
MW-SF-9	10/31/2005	74.10	-----	27.09	-----	47.01
MW-SF-9	05/01/2006	74.10	-----	22.57	-----	51.53
MW-SF-9	12/04/2006	74.10	-----	23.30	-----	50.80
MW-SF-9	04/30/2007	74.10	-----	22.66	-----	51.44
MW-SF-9	08/28/2007	74.10	-----	20.55	-----	53.55
MW-SF-9	11/12/2007	74.10	-----	22.96	-----	51.14
MW-SF-9	04/14/2008	74.10	-----	24.23	-----	49.87
MW-SF-9	10/13/2008	74.10	-----	24.83	-----	49.27
MW-SF-9	04/20/2009	74.10	-----	25.27	-----	48.83
MW-SF-9	10/19/2009	74.10	-----	26.45	-----	47.65
MW-SF-9	05/24/2010	74.10	-----	25.80	-----	48.30
MW-SF-9	05/28/2010	74.10	-----	25.66	-----	48.44
MW-SF-9	10/04/2010	74.10	-----	26.10	-----	48.00
MW-SF-9	01/10/2011	74.10	-----	27.41	-----	46.69
MW-SF-9	04/11/2011	74.10	-----	24.16	-----	49.94
MW-SF-9	10/10/2011	74.10	-----	25.02	-----	49.08
MW-SF-9	01/09/2012	74.10	-----	25.98	-----	48.12
MW-SF-9	04/16/2012	74.10	-----	25.92	-----	48.18
MW-SF-9	07/09/2012	74.10	-----	26.44	-----	47.66
MW-SF-9	06/06/2013	74.10	-----	28.53	-----	45.57
MW-SF-9	10/07/2013	74.10	-----	28.95	-----	45.15
MW-SF-9	04/25/2014	74.10	27.95	34.75	6.80	NC

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-9	10/27/2014	74.10	29.89	30.29	0.40	NC
MW-SF-9	04/20/2015	74.10	27.67	36.69	9.02	NC
MW-SF-9	10/19/2015	74.10	31.04	31.44	0.40	NC
MW-SF-9	04/11/2016	74.10	-----	32.89	-----	41.21
MW-SF-10	10/17/2008	76.53	-----	27.49	-----	49.04
MW-SF-10	10/19/2009	76.53	-----	28.61	-----	47.92
MW-SF-10	10/04/2010	76.53	28.36	28.50	0.14	NC
MW-SF-10	04/11/2011	76.53	27.37	27.41	0.04	NC
MW-SF-10	10/10/2011	76.53	-----	27.60	-----	48.93
MW-SF-10	04/16/2012	76.53	-----	28.81	-----	47.72
MW-SF-10	10/15/2012	76.53	-----	29.27	-----	47.26
MW-SF-10	10/19/2015	76.53	-----	DRY (to 30.27)	-----	----
MW-SF-10	04/11/2016	76.53	-----	DRY	-----	----
MW-SF-10	10/3/2016	76.53	-----	DRY (to 30.40)	-----	-----
MW-SF-11	08/28/2007	78.56	-----	28.22	-----	50.34
MW-SF-11	11/12/2007	78.56	-----	29.03	-----	49.53
MW-SF-11	08/15/2008	78.56	-----	30.13	-----	48.43
MW-SF-11	10/17/2008	78.56	-----	30.50	-----	48.06
MW-SF-11	04/21/2009	78.56	-----	30.03	-----	48.53
MW-SF-11	10/04/2010	78.56	-----	30.94	-----	47.62
MW-SF-11	04/12/2011	78.56	-----	30.82	-----	47.74
MW-SF-11	10/10/2011	78.56	-----	30.10	-----	48.46
MW-SF-11	10/15/2012	78.56	-----	33.28	-----	45.28
MW-SF-11	04/08/2013	78.56	-----	33.11	-----	45.45
MW-SF-11	10/07/2013	78.56	-----	33.91	-----	44.65
MW-SF-11	04/14/2014	78.56	34.95	35.20	0.25	NC
MW-SF-11	10/27/2014	78.56	33.99	36.20	2.21	NC
MW-SF-11	04/20/2015	78.56	34.86	38.89	4.03	NC
MW-SF-11	10/20/2015	78.56	35.38	37.42	2.04	NC
MW-SF-11	04/11/2016	78.56	-----	37.62	-----	40.94
MW-SF-11	10/3/2016	78.56	-----	40.05	-----	38.51
MW-SF-12	08/28/2007	78.07	-----	27.58	-----	50.49
MW-SF-12	11/12/2007	78.07	-----	28.33	-----	49.74
MW-SF-12	08/12/2008	78.07	-----	30.02	-----	48.05
MW-SF-12	10/17/2008	78.08	-----	30.42	-----	47.66
MW-SF-12	04/21/2009	78.07	-----	29.52	-----	48.55
MW-SF-12	10/04/2010	78.07	-----	30.70	-----	47.37
MW-SF-12	04/11/2011	78.07	-----	29.47	-----	48.60
MW-SF-12	10/10/2011	78.07	-----	26.60	-----	51.47
MW-SF-12	04/16/2012	78.07	-----	31.40	-----	46.67
MW-SF-12	10/15/2012	78.07	-----	32.12	-----	45.95

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	04/14/2014	78.07	32.67	38.04	5.37	NC
MW-SF-12	09/05/2014	78.07	32.93	38.52	5.59	NC
MW-SF-12	10/27/2014	78.07	33.08	37.40	4.32	NC
MW-SF-12	04/20/2015	78.07	34.05	36.42	2.37	NC
MW-SF-12	10/20/2015	78.07	34.84	36.78	1.94	NC
MW-SF-12	04/11/2016	78.07	-----	37.13	-----	40.94
MW-SF-12	10/3/2016	78.07	-----	39.45	-----	38.62
MW-SF-13	08/28/2007	73.40	-----	22.85	-----	50.55
MW-SF-13	11/12/2007	73.40	-----	23.70	-----	49.70
MW-SF-13	08/15/2008	73.40	24.11	27.38	3.27	NC
MW-SF-13	10/17/2008	73.40	24.33	27.28	2.95	NC
MW-SF-13	10/21/2008	73.40	24.26	27.14	2.88	NC
MW-SF-13	04/21/2009	73.40	24.78	24.86	0.08	NC
MW-SF-13	10/04/2010	73.40	25.92	26.95	1.03	NC
MW-SF-13	04/12/2011	73.40	24.78	24.79	0.01	NC
MW-SF-13	10/10/2011	73.40	-----	26.00	-----	47.40
MW-SF-13	04/16/2012	73.40	-----	27.19	-----	46.21
MW-SF-13	10/15/2012	73.40	-----	27.01	-----	46.39
MW-SF-13	04/08/2013	73.40	-----	27.90	-----	45.50
MW-SF-13	11/14/2013	73.40	28.25	29.95	1.70	NC
MW-SF-13	04/14/2014	73.40	28.47	31.36	2.89	NC
MW-SF-13	10/27/2014	73.40	29.06	30.21	1.15	NC
MW-SF-13	04/20/2015	73.40	29.04	32.44	3.40	NC
MW-SF-13	10/19/2015	73.40	29.31	35.16	5.85	NC
MW-SF-13	04/11/2016	73.40	-----	32.28	-----	41.12
MW-SF-13	10/3/2016	73.40	-----	34.20	-----	39.20
MW-SF-14	08/28/2007	78.16	-----	27.53	-----	50.63
MW-SF-14	08/15/2008	78.16	29.24	29.77	0.53	NC
MW-SF-14	10/17/2008	78.16	29.50	29.52	0.02	NC
MW-SF-14	04/21/2009	78.16	-----	29.61	-----	48.55
MW-SF-14	10/04/2010	78.16	-----	30.54	-----	47.62
MW-SF-14	04/12/2011	78.16	-----	29.55	-----	48.61
MW-SF-14	10/10/2011	78.16	-----	29.84	-----	48.32
MW-SF-14	10/15/2012	78.16	-----	30.02	-----	48.14
MW-SF-14	05/24/2013	78.16	-----	32.75	-----	45.41
MW-SF-14	11/14/2013	78.16	33.19	33.57	0.38	NC
MW-SF-14	04/14/2014	78.16	33.56	34.81	1.25	NC
MW-SF-14	10/27/2014	78.16	33.97	34.40	0.43	NC
MW-SF-14	04/20/2015	78.16	----	34.48	----	43.68
MW-SF-14	10/21/2015	78.16	----	35.25	----	42.91
MW-SF-14	04/11/2016	78.16	----	37.14	----	41.02

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-SF-14	10/3/2016	78.16	-----	DRY (to 40.15)	-----	-----
MW-SF-15	08/28/2007	78.27	27.61	27.65	0.04	NC
MW-SF-15	11/12/2007	78.27	-----	28.75	-----	49.52
MW-SF-15	08/15/2008	78.27	29.35	30.12	0.77	NC
MW-SF-15	10/17/2008	78.27	29.44	30.80	1.36	NC
MW-SF-15	04/21/2009	78.27	29.60	29.96	0.36	NC
MW-SF-15	10/04/2010	78.27	30.65	30.66	0.01	NC
MW-SF-15	04/12/2011	78.27	29.40	30.50	1.10	NC
MW-SF-15	10/10/2011	78.27	-----	29.60	-----	48.67
MW-SF-15	04/16/2012	78.27	32.39	32.48	0.09	NC
MW-SF-15	10/15/2012	78.16	-----	33.04	-----	45.12
MW-SF-15	05/24/2013	78.27	-----	33.90	-----	44.37
MW-SF-15	11/14/2013	78.27	33.38	33.41	0.03	NC
MW-SF-15	04/18/2014	78.27	-----	33.85	-----	44.42
MW-SF-15	10/27/2014	78.27	-----	35.82	-----	42.45
MW-SF-15	04/20/2015	78.27	34.12	36.63	2.51	NC
MW-SF-15	10/19/2015	78.27	34.87	37.90	3.03	NC
MW-SF-15	04/11/2016	78.27	-----	37.24	-----	41.03
MW-SF-15	10/3/2016	78.27	-----	39.56	-----	38.71
MW-SF-16	08/28/2007	78.21	-----	27.51	-----	50.70
MW-SF-16	11/12/2007	78.21	-----	28.40	-----	49.81
MW-SF-16	08/15/2008	78.21	-----	29.36	-----	48.85
MW-SF-16	10/17/2008	78.21	-----	29.51	-----	48.70
MW-SF-16	04/21/2009	78.21	-----	29.60	-----	48.61
MW-SF-16	10/04/2010	78.21	-----	30.49	-----	47.72
MW-SF-16	04/12/2011	78.21	-----	29.52	-----	48.69
MW-SF-16	10/10/2011	78.21	-----	29.85	-----	48.36
MW-SF-16	10/15/2012	78.21	-----	32.47	-----	45.74
MW-SF-16	05/24/2013	78.21	32.73	32.97	0.24	NC
MW-SF-16	11/14/2013	78.21	33.21	33.80	0.59	NC
MW-SF-16	04/18/2014	78.21	33.65	34.20	0.55	NC
MW-SF-16	10/27/2014	78.21	-----	34.25	-----	43.96
MW-SF-16	04/20/2015	78.21	-----	34.52	-----	43.69
MW-SF-16	10/21/2015	78.21	-----	34.56	-----	43.65
MW-SF-16	04/11/2016	78.21	-----	37.15	-----	41.06
MW-SF-16	10/3/2016	78.21	-----	39.35	-----	38.86
OLD_TF-24	11/20/1996	76.36	-----	31.18	-----	45.18
OLD_TF-24	04/27/2007	76.36	-----	27.39	-----	48.97
PW-1	05/28/1996	75.52	-----	29.74	-----	45.78
PW-1	11/20/1996	75.52	-----	29.04	-----	46.48
PW-1	07/01/1997	75.52	-----	30.17	-----	45.35

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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)
PW-1	12/31/1997	75.52	-----	28.95	-----	46.57
PW-1	05/01/1998	75.52	-----	27.37	-----	48.15
PW-1	05/06/1999	75.52	-----	27.44	-----	48.08
PW-1	08/09/1999	75.52	-----	27.87	-----	47.65
PW-1	11/15/1999	75.52	-----	27.78	-----	47.74
PW-1	05/15/2000	75.52	-----	27.63	-----	47.89
PW-1	11/13/2000	75.52	-----	28.84	-----	46.68
PW-1	05/07/2001	75.52	-----	27.01	-----	48.51
PW-1	11/05/2001	75.52	-----	26.72	-----	48.80
PW-1	04/08/2002	75.52	-----	27.45	-----	48.07
PW-1	10/21/2002	75.52	-----	27.63	-----	47.89
PW-1	04/07/2003	75.52	-----	27.60	-----	47.92
PW-1	10/06/2003	75.52	-----	27.68	-----	47.84
PW-1	01/11/2004	75.52	-----	28.61	-----	46.91
PW-1	04/19/2004	75.52	-----	28.85	-----	46.67
PW-1	05/02/2005	75.52	-----	25.43	-----	50.09
PW-1	05/01/2006	75.52	-----	25.03	-----	50.49
PW-1	12/04/2006	75.52	-----	25.83	-----	49.69
PW-1	04/30/2007	75.52	-----	25.80	-----	49.72
PW-1	11/12/2007	75.52	-----	26.03	-----	49.49
PW-1	04/14/2008	75.52	-----	26.41	-----	49.11
PW-1	10/13/2008	75.52	-----	26.85	-----	48.67
PW-1	11/21/2008	75.52	-----	26.80	-----	48.72
PW-1	04/20/2009	75.52	-----	27.27	-----	48.25
PW-1	10/19/2009	75.52	-----	27.74	-----	47.78
PW-1	05/24/2010	75.52	-----	28.00	-----	47.52
PW-1	05/28/2010	75.52	-----	27.98	-----	47.54
PW-1	10/04/2010	75.52	-----	28.10	-----	47.42
PW-1	04/11/2011	75.52	-----	27.03	-----	48.49
PW-1	10/10/2011	75.52	-----	26.77	-----	48.75
PW-1	10/15/2012	75.52	-----	27.76	-----	47.76
PW-1	10/19/2015	75.52	-----	DRY (to 27.85)	-----	----
PW-1	04/11/2016	75.52	-----	DRY	-----	----
PW-1	10/3/2016	75.52	-----	DRY (to 28.40)	-----	-----
PW-2	05/28/1996	74.65	-----	27.83	-----	46.82
PW-2	11/20/1996	74.65	-----	28.82	-----	45.83
PW-2	07/01/1997	74.65	-----	31.20	-----	43.45
PW-2	12/31/1997	74.65	-----	28.52	-----	46.13
PW-2	05/01/1998	74.65	-----	26.34	-----	48.31
PW-2	02/02/1999	74.65	-----	25.39	-----	49.26
PW-2	05/06/1999	74.65	-----	26.42	-----	48.23

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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-2	08/09/1999	74.65	-----	26.92	-----	47.73
PW-2	11/15/1999	74.65	-----	28.05	-----	46.60
PW-2	02/29/2000	74.65	-----	26.82	-----	47.83
PW-2	05/15/2000	74.65	-----	27.12	-----	47.53
PW-2	08/28/2000	74.65	-----	28.10	-----	46.55
PW-2	11/13/2000	74.65	-----	28.36	-----	46.29
PW-2	02/05/2001	74.65	-----	26.84	-----	47.81
PW-2	05/07/2001	74.65	-----	26.22	-----	48.43
PW-2	09/18/2001	74.65	-----	25.85	-----	48.80
PW-2	11/05/2001	74.65	-----	26.00	-----	48.65
PW-2	01/29/2002	74.65	-----	26.09	-----	48.56
PW-2	04/08/2002	74.65	-----	26.69	-----	47.96
PW-2	10/21/2002	74.65	-----	26.95	-----	47.70
PW-2	01/14/2003	74.65	-----	26.86	-----	47.79
PW-2	04/07/2003	74.65	-----	28.96	-----	45.69
PW-2	07/07/2003	74.71	-----	27.51	-----	47.20
PW-2	10/06/2003	74.65	-----	27.00	-----	47.65
PW-2	01/11/2004	74.71	-----	28.02	-----	46.69
PW-2	01/20/2004	74.71	-----	29.28	-----	45.43
PW-2	04/19/2004	74.71	-----	26.21	-----	48.50
PW-2	04/27/2004	74.71	-----	27.69	-----	47.02
PW-2	06/07/2004	74.71	-----	28.13	-----	46.58
PW-2	07/08/2004	74.71	-----	29.35	-----	45.36
PW-2	05/02/2005	74.71	-----	24.56	-----	50.15
PW-2	10/31/2005	74.71	-----	23.80	-----	50.91
PW-2	05/01/2006	74.71	-----	24.28	-----	50.43
PW-2	12/04/2006	74.71	-----	25.05	-----	49.66
PW-2	04/30/2007	74.71	-----	25.02	-----	49.69
PW-2	11/12/2007	74.71	-----	25.41	-----	49.30
PW-2	04/14/2008	74.71	-----	25.75	-----	48.96
PW-2	10/13/2008	74.71	-----	25.15	-----	49.56
PW-2	10/19/2015	74.71	-----	DRY (to 25.98)	-----	----
PW-2	04/11/2016	74.71	-----	DRY	-----	----
PW-2	10/3/2016	74.71	-----	DRY (to 25.90)	-----	-----
PW-3	05/28/1996	73.64	-----	26.73	-----	46.91
PW-3	11/20/1996	73.64	-----	27.11	-----	46.53
PW-3	07/01/1997	73.64	-----	28.84	-----	44.80
PW-3	12/31/1997	73.64	-----	27.29	-----	46.35
PW-3	05/01/1998	73.64	-----	25.10	-----	48.54
PW-3	02/03/1999	73.64	-----	24.23	-----	49.41
PW-3	05/04/1999	73.64	-----	25.05	-----	48.59

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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)
PW-3	08/10/1999	73.64	-----	25.35	-----	48.29
PW-3	11/13/2000	73.64	-----	26.46	-----	47.18
PW-3	02/05/2001	73.64	-----	25.60	-----	48.04
PW-3	05/07/2001	73.64	-----	24.96	-----	48.68
PW-3	09/18/2001	73.64	-----	24.72	-----	48.92
PW-3	11/05/2001	73.64	-----	24.80	-----	48.84
PW-3	01/29/2002	73.64	-----	24.91	-----	48.73
PW-3	04/08/2002	73.64	-----	25.30	-----	48.34
PW-3	10/21/2002	73.64	-----	25.76	-----	47.88
PW-3	01/14/2003	73.64	-----	25.72	-----	47.92
PW-3	04/07/2003	73.64	-----	26.17	-----	47.47
PW-3	07/07/2003	73.71	-----	25.81	-----	47.90
PW-3	10/06/2003	73.64	-----	25.63	-----	48.01
PW-3	01/11/2004	73.71	-----	26.03	-----	47.68
PW-3	01/20/2004	73.71	-----	26.36	-----	47.35
PW-3	04/19/2004	73.71	-----	26.63	-----	47.08
PW-3	04/27/2004	73.71	-----	26.34	-----	47.37
PW-3	06/07/2004	73.71	-----	26.63	-----	47.08
PW-3	07/08/2004	73.71	-----	26.81	-----	46.90
PW-3	05/02/2005	73.71	-----	23.48	-----	50.23
PW-3	10/31/2005	73.71	-----	23.61	-----	50.10
PW-3	05/01/2006	73.71	-----	23.22	-----	50.49
PW-3	12/04/2006	73.71	-----	23.95	-----	49.76
PW-3	04/30/2007	73.71	-----	23.99	-----	49.72
PW-3	11/12/2007	73.71	-----	24.33	-----	49.38
PW-3	04/14/2008	73.71	-----	24.75	-----	48.96
PW-3	10/13/2008	73.71	-----	26.20	-----	47.51
PW-3	04/20/2009	73.71	-----	25.40	-----	48.31
PW-3	10/19/2009	73.71	-----	26.03	-----	47.68
PW-3	05/24/2010	73.71	-----	26.45	-----	47.26
PW-3	05/28/2010	73.71	-----	26.41	-----	47.30
PW-3	10/04/2010	73.71	-----	26.61	-----	47.10
PW-3	04/11/2011	73.71	-----	25.60	-----	48.11
PW-3	10/10/2011	73.71	-----	25.57	-----	48.14
PW-3	04/16/2012	73.71	-----	26.55	-----	47.16
PW-3	04/08/2013	73.71	-----	27.79	-----	45.92
PW-3	10/07/2013	73.71	-----	28.57	-----	45.14
PW-3	04/14/2014	73.71	-----	29.20	-----	44.51
PW-3	10/27/2014	73.71	-----	29.73	-----	43.98
PW-3	04/20/2015	73.71	-----	30.62	-----	43.09
PW-3	10/19/2015	73.71	-----	31.08	-----	42.63

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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-3	04/11/2016	73.71	-----	32.37	-----	41.34
PW-3	10/3/2016	73.71	-----	33.23	-----	40.48
PZ-1	11/20/1996	73.74	-----	26.91	-----	46.83
PZ-1	07/01/1997	73.74	-----	27.61	-----	46.13
PZ-1	12/31/1997	73.74	-----	27.03	-----	46.71
PZ-1	05/01/1998	73.74	-----	24.13	-----	49.61
PZ-1	05/04/1999	73.74	-----	25.74	-----	48.00
PZ-1	08/09/1999	73.74	-----	25.77	-----	47.97
PZ-1	11/15/1999	73.74	-----	26.46	-----	47.28
PZ-1	05/15/2000	73.74	-----	26.09	-----	47.65
PZ-1	11/13/2000	73.74	-----	26.51	-----	47.23
PZ-1	05/07/2001	73.74	-----	24.78	-----	48.96
PZ-1	11/05/2001	73.74	-----	24.81	-----	48.93
PZ-1	04/08/2002	73.74	-----	25.50	-----	48.24
PZ-2	05/28/1996	73.96	-----	28.26	-----	45.70
PZ-2	11/20/1996	73.96	-----	27.49	-----	46.47
PZ-2	07/01/1997	73.96	27.56	28.92	1.36	NC
PZ-2	12/31/1997	73.96	28.87	29.45	0.58	NC
PZ-2	05/01/1998	73.96	23.83	25.40	1.57	NC
PZ-2	05/04/1999	73.96	25.38	27.20	1.82	NC
PZ-2	08/09/1999	73.96	25.71	27.58	1.87	NC
PZ-2	11/15/1999	73.96	-----	26.83	-----	47.13
PZ-2	05/15/2000	73.96	-----	26.17	-----	47.79
PZ-2	11/13/2000	73.96	26.58	26.88	0.30	NC
PZ-2	05/07/2001	73.96	24.99	25.21	0.22	NC
PZ-2	11/05/2001	73.96	24.87	25.09	0.22	NC
PZ-2	04/08/2002	73.96	24.96	24.96	0.00	NC
PZ-2	10/21/2002	73.96	26.31	26.44	0.13	NC
PZ-2	04/07/2003	73.96	26.12	26.22	0.10	NC
PZ-2	10/06/2003	73.96	25.51	25.53	0.02	NC
PZ-2	04/19/2004	73.96	26.81	26.89	0.08	NC
PZ-2	11/02/2004	73.96	27.19	27.24	0.05	NC
PZ-2	05/02/2005	73.96	-----	22.18	-----	51.78
PZ-2	10/31/2005	73.96	-----	24.11	-----	49.85
PZ-2	05/22/2006	73.96	-----	23.16	-----	50.80
PZ-2	12/04/2006	73.96	-----	23.85	-----	50.11
PZ-2	04/30/2007	73.96	-----	23.97	-----	49.99
PZ-2	11/12/2007	73.96	-----	24.30	-----	49.66
PZ-2	04/14/2008	73.96	-----	24.69	-----	49.27
PZ-2	10/13/2008	73.96	-----	25.35	-----	48.61
PZ-2	05/22/2009	73.96	-----	25.55	-----	48.41

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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-2	05/24/2010	73.96	-----	26.30	-----	47.66
PZ-2	05/28/2010	73.96	-----	26.30	-----	47.66
PZ-2	10/04/2010	73.96	-----	26.36	-----	47.60
PZ-2	01/10/2011	73.96	-----	27.57	-----	46.39
PZ-2	04/11/2011	73.96	-----	25.32	-----	48.64
PZ-2	10/10/2011	73.96	-----	25.67	-----	48.29
PZ-2	01/09/2012	73.96	-----	27.21	-----	46.75
PZ-2	04/27/2012	73.96	-----	27.83	-----	46.13
PZ-2	07/09/2012	73.96	-----	28.16	-----	45.80
PZ-2	10/15/2012	73.96	-----	27.76	-----	46.20
PZ-2	04/08/2013	73.96	-----	28.68	-----	45.28
PZ-2	10/07/2013	73.96	-----	29.28	-----	44.68
PZ-2	04/14/2014	73.96	-----	29.74	-----	44.22
PZ-2	04/20/2015	73.96	-----	30.48	-----	43.48
PZ-2	10/19/2015	73.96	-----	31.18	-----	42.78
PZ-2	04/11/2016	73.96	-----	32.97	-----	40.99
PZ-2	10/3/2016	73.96	-----	34.67	-----	39.29
PZ-3	05/28/1996	76.17	27.83	32.71	4.88	NC
PZ-3	11/20/1996	76.17	28.79	32.80	4.01	NC
PZ-3	07/01/1997	76.17	28.75	30.69	1.94	NC
PZ-3	12/31/1997	76.17	28.60	32.86	4.26	NC
PZ-3	05/01/1998	76.17	18.34	25.21	6.87	NC
PZ-3	05/25/1999	76.17	-----	31.70	-----	44.47
PZ-3	05/19/2000	76.17	27.48	31.54	4.06	NC
PZ-3	11/13/2000	76.17	27.01	30.05	3.04	NC
PZ-3	05/07/2001	76.17	25.99	30.30	4.31	NC
PZ-3	04/08/2002	76.17	-----	31.00	-----	45.17
PZ-3	09/19/2002	76.17	28.84	29.94	1.10	NC
PZ-3	10/21/2002	76.17	28.10	29.66	1.56	NC
PZ-3	04/07/2003	76.17	27.81	28.80	0.99	NC
PZ-3	10/06/2003	76.17	27.65	28.90	1.25	NC
PZ-3	04/19/2004	76.17	29.08	29.68	0.60	NC
PZ-3	11/01/2004	76.17	28.32	29.63	1.31	NC
PZ-3	02/28/2005	76.17	24.32	26.89	2.57	NC
PZ-3	03/06/2006	76.17	24.97	25.12	0.15	NC
PZ-3	05/01/2006	76.17	25.39	25.96	0.57	NC
PZ-3	08/26/2006	76.17	25.76	26.26	0.50	NC
PZ-3	12/01/2006	76.17	26.11	26.77	0.66	NC
PZ-3	03/21/2007	76.17	26.05	26.16	0.11	NC
PZ-3	04/30/2007	76.17	26.66	26.68	0.02	NC
PZ-3	02/05/2008	76.17	-----	27.84	-----	48.33

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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-3	07/24/2008	76.17	-----	27.33	-----	48.84
PZ-3	10/14/2008	76.17	-----	28.07	-----	48.10
PZ-3	02/10/2009	76.17	-----	27.31	-----	48.86
PZ-3	04/20/2009	76.17	-----	27.94	-----	48.23
PZ-3	07/16/2009	76.17	-----	28.97	-----	47.20
PZ-3	04/08/2010	76.17	-----	28.40	-----	47.77
PZ-3	04/12/2010	76.17	-----	28.14	-----	48.03
PZ-3	01/08/2011	76.17	-----	28.85	-----	47.32
PZ-3	04/08/2011	76.17	-----	27.63	-----	48.54
PZ-3	07/08/2011	76.17	-----	27.85	-----	48.32
PZ-3	10/07/2011	76.17	-----	28.46	-----	47.71
PZ-3	04/12/2012	76.17	-----	29.48	-----	46.69
PZ-3	04/19/2012	76.17	-----	29.30	-----	46.87
PZ-3	01/11/2013	76.17	30.20	33.08	2.88	NC
PZ-3	04/03/2013	76.17	30.63	30.86	0.23	NC
PZ-3	04/08/2013	76.17	30.56	30.99	0.43	NC
PZ-3	10/02/2013	76.17	-----	31.45	-----	44.72
PZ-3	04/07/2014	76.17	-----	32.27	-----	43.90
PZ-3	04/18/2014	76.17	-----	31.92	-----	44.25
PZ-3	10/27/2014	76.17	-----	32.41	-----	43.76
PZ-3	04/20/2015	76.17	-----	32.80	-----	43.37
PZ-3	10/20/2015	76.17	33.38	34.09	0.71	NC
PZ-3	04/11/2016	76.17	-----	34.07	-----	42.10
PZ-3	10/3/2016	76.17	34.37	35.14	0.77	NC
PZ-4	05/28/1996	76.13	-----	28.79	-----	47.34
PZ-4	11/20/1996	76.13	-----	29.80	-----	46.33
PZ-4	07/01/1997	76.13	-----	29.66	-----	46.47
PZ-4	12/31/1997	76.13	-----	29.63	-----	46.50
PZ-4	05/01/1998	76.13	-----	26.82	-----	49.31
PZ-4	05/25/1999	76.13	-----	27.57	-----	48.56
PZ-4	05/15/2000	76.13	-----	28.28	-----	47.85
PZ-4	11/13/2000	76.13	-----	27.89	-----	48.24
PZ-4	05/07/2001	76.13	-----	25.08	-----	51.05
PZ-4	05/07/2001	76.13	-----	26.97	-----	49.16
PZ-4	04/08/2002	76.13	-----	28.16	-----	47.97
PZ-4	09/19/2002	76.13	-----	29.20	-----	46.93
PZ-4	04/07/2003	76.13	-----	28.08	-----	48.05
PZ-4	10/06/2003	76.13	-----	28.03	-----	48.10
PZ-4	04/19/2004	76.13	-----	29.50	-----	46.63
PZ-4	11/01/2004	76.13	-----	28.80	-----	47.33
PZ-4	02/28/2005	76.13	-----	25.13	-----	51.00

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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	05/02/2005	76.13	-----	24.50	-----	51.63
PZ-4	03/06/2006	76.13	-----	25.25	-----	50.88
PZ-4	05/01/2006	76.13	-----	25.63	-----	50.50
PZ-4	08/26/2006	76.13	-----	26.05	-----	50.08
PZ-4	12/01/2006	76.13	-----	26.38	-----	49.75
PZ-4	03/21/2007	76.13	-----	26.12	-----	50.01
PZ-4	04/30/2007	76.13	-----	26.93	-----	49.20
PZ-4	08/28/2007	76.13	-----	26.54	-----	49.59
PZ-4	11/12/2007	76.13	-----	27.50	-----	48.63
PZ-4	02/05/2008	76.13	-----	27.42	-----	48.71
PZ-4	04/11/2008	76.13	-----	24.85	-----	51.28
PZ-4	10/14/2008	76.13	-----	28.31	-----	47.82
PZ-4	02/10/2009	76.13	-----	27.05	-----	49.08
PZ-4	04/20/2009	76.13	-----	28.44	-----	47.69
PZ-4	07/16/2009	76.13	-----	29.05	-----	47.08
PZ-4	04/08/2010	76.13	-----	28.41	-----	47.72
PZ-4	10/01/2010	76.13	-----	28.93	-----	47.20
PZ-4	01/08/2011	76.13	-----	28.98	-----	47.15
PZ-4	04/12/2012	76.13	-----	29.61	-----	46.52
PZ-5	05/07/2001	73.97	-----	23.13	-----	50.84
PZ-5	10/06/2003	73.97	-----	24.58	-----	49.39
PZ-5	05/02/2005	73.97	-----	19.12	-----	54.85
PZ-5	10/31/2005	73.97	-----	21.13	-----	52.84
PZ-5	02/27/2006	73.97	-----	22.06	-----	51.91
PZ-5	05/01/2006	73.97	-----	22.20	-----	51.77
PZ-5	09/18/2006	73.97	-----	22.91	-----	51.06
PZ-5	12/04/2006	73.97	-----	23.26	-----	50.71
PZ-5	03/12/2007	73.97	-----	23.71	-----	50.26
PZ-5	04/30/2007	73.97	-----	23.85	-----	50.12
PZ-5	08/28/2007	73.97	-----	23.85	-----	50.12
PZ-5	11/12/2007	73.97	-----	24.26	-----	49.71
PZ-5	02/19/2008	73.97	-----	24.68	-----	49.29
PZ-5	04/14/2008	73.97	-----	24.10	-----	49.87
PZ-5	08/11/2008	73.97	-----	24.53	-----	49.44
PZ-5	10/13/2008	73.97	-----	25.12	-----	48.85
PZ-5	04/20/2009	73.97	-----	24.81	-----	49.16
PZ-5	07/20/2009	73.97	-----	25.20	-----	48.77
PZ-5	10/19/2009	73.97	-----	26.41	-----	47.56
PZ-5	03/15/2010	73.97	-----	25.99	-----	47.98
PZ-5	04/16/2010	73.97	-----	25.12	-----	48.85
PZ-5	05/24/2010	73.97	-----	25.71	-----	48.26

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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-5	05/28/2010	73.97	-----	25.68	-----	48.29
PZ-5	06/22/2010	73.97	-----	25.54	-----	48.43
PZ-5	07/12/2010	73.97	-----	26.09	-----	47.88
PZ-5	08/12/2010	73.97	-----	26.16	-----	47.81
PZ-5	09/20/2010	73.97	-----	26.52	-----	47.45
PZ-5	10/04/2010	73.97	-----	25.98	-----	47.99
PZ-5	11/16/2010	73.97	-----	26.46	-----	47.51
PZ-5	12/22/2010	73.97	-----	25.12	-----	48.85
PZ-5	01/10/2011	73.97	-----	26.54	-----	47.43
PZ-5	02/24/2011	73.97	-----	25.55	-----	48.42
PZ-5	03/23/2011	73.97	-----	25.28	-----	48.69
PZ-5	04/11/2011	73.97	-----	24.70	-----	49.27
PZ-5	05/13/2011	73.97	-----	25.21	-----	48.76
PZ-5	06/22/2011	73.97	-----	25.37	-----	48.60
PZ-5	07/11/2011	73.97	-----	25.47	-----	48.50
PZ-5	08/19/2011	73.97	-----	25.35	-----	48.62
PZ-5	09/22/2011	73.97	-----	25.96	-----	48.01
PZ-5	10/10/2011	73.97	-----	25.55	-----	48.42
PZ-5	11/28/2011	73.97	-----	26.16	-----	47.81
PZ-5	12/21/2011	73.97	-----	26.48	-----	47.49
PZ-5	01/09/2012	73.97	-----	26.47	-----	47.50
PZ-5	02/23/2012	73.97	-----	27.27	-----	46.70
PZ-5	03/28/2012	73.97	-----	27.10	-----	46.87
PZ-5	04/16/2012	73.97	-----	26.59	-----	47.38
PZ-5	05/25/2012	73.97	-----	26.94	-----	47.03
PZ-5	06/15/2012	73.97	-----	27.44	-----	46.53
PZ-5	07/09/2012	73.97	-----	27.26	-----	46.71
PZ-5	08/29/2012	73.97	-----	27.72	-----	46.25
PZ-5	09/26/2012	73.97	-----	28.03	-----	45.94
PZ-5	10/15/2012	73.97	-----	28.25	-----	45.72
PZ-5	11/29/2012	73.97	-----	28.34	-----	45.63
PZ-5	12/26/2012	73.97	-----	28.30	-----	45.67
PZ-5	01/14/2013	73.97	-----	28.42	-----	45.55
PZ-5	02/20/2013	73.97	-----	28.40	-----	45.57
PZ-5	04/08/2013	73.97	-----	28.41	-----	45.56
PZ-5	10/07/2013	73.97	-----	29.31	-----	44.66
PZ-5	04/14/2014	73.97	-----	28.91	-----	45.06
PZ-5	10/27/2014	73.97	-----	29.41	-----	44.56
PZ-5	04/20/2015	73.97	-----	29.66	-----	44.31
PZ-5	10/19/2015	73.97	-----	30.50	-----	43.47
PZ-5	04/11/2016	73.97	-----	31.36	-----	42.61

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-5	10/3/2016	73.97	-----	31.00	-----	42.97
PZ-6	07/07/2003	73.91	-----	25.65	-----	48.26
PZ-6	01/20/2004	73.91	-----	25.94	-----	47.97
PZ-6	04/27/2004	73.91	-----	26.49	-----	47.42
PZ-6	06/07/2004	73.91	-----	26.56	-----	47.35
PZ-6	07/08/2004	73.91	-----	26.57	-----	47.34
PZ-7A	08/01/2005	73.87	-----	20.22	-----	53.65
PZ-7A	05/24/2010	73.87	-----	25.30	-----	48.57
PZ-7A	05/28/2010	73.87	-----	25.29	-----	48.58
PZ-7A	10/04/2010	73.87	-----	25.70	-----	48.17
PZ-7A	04/11/2011	73.87	-----	24.48	-----	49.39
PZ-7A	10/10/2011	73.87	-----	25.15	-----	48.72
PZ-7A	04/20/2015	73.87	-----	29.52	-----	44.35
PZ-7B	08/01/2005	73.79	-----	20.80	-----	52.99
PZ-7B	05/24/2010	73.79	-----	25.32	-----	48.47
PZ-7B	05/28/2010	73.79	-----	25.30	-----	48.49
PZ-7B	10/04/2010	73.79	-----	25.88	-----	47.91
PZ-7B	04/11/2011	73.79	-----	24.57	-----	49.22
PZ-7B	10/10/2011	73.79	-----	25.30	-----	48.49
PZ-7B	04/20/2015	73.79	-----	29.60	-----	44.19
PZ-8A	08/01/2005	75.81	-----	22.39	-----	53.42
PZ-8A	12/04/2006	75.81	-----	25.14	-----	50.67
PZ-8A	05/24/2010	75.81	-----	27.60	-----	48.21
PZ-8A	05/28/2010	75.81	-----	27.38	-----	48.43
PZ-8A	10/04/2010	75.81	-----	27.79	-----	48.02
PZ-8A	04/11/2011	75.81	-----	26.50	-----	49.31
PZ-8A	10/10/2011	75.81	-----	27.28	-----	48.53
PZ-8A	04/20/2015	75.81	-----	31.29	-----	44.52
PZ-8B	08/01/2005	75.69	-----	23.61	-----	52.08
PZ-8B	12/04/2006	75.69	-----	25.16	-----	50.53
PZ-8B	05/24/2010	75.69	-----	27.37	-----	48.32
PZ-8B	05/28/2010	75.69	-----	27.66	-----	48.03
PZ-8B	10/04/2010	75.69	-----	27.90	-----	47.79
PZ-8B	04/11/2011	75.69	-----	26.52	-----	49.17
PZ-8B	10/10/2011	75.69	-----	27.32	-----	48.37
PZ-8B	04/20/2015	75.69	-----	31.69	-----	44.00
PZ-9A	08/01/2005	76.14	-----	22.93	-----	53.21
PZ-9A	10/04/2010	76.14	-----	28.20	-----	47.94
PZ-9A	04/11/2011	76.14	-----	26.94	-----	49.20
PZ-9A	10/10/2011	76.14	-----	27.75	-----	48.39
PZ-9A	04/16/2012	76.14	-----	28.95	-----	47.19

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)
PZ-9A	10/15/2012	76.14	-----	30.18	-----	45.96
PZ-9A	04/08/2013	76.14	-----	30.67	-----	45.47
PZ-9A	04/20/2015	76.14	-----	32.21	-----	43.93
PZ-9B	08/01/2005	76.26	-----	23.71	-----	52.55
PZ-9B	10/04/2010	76.26	-----	28.51	-----	47.75
PZ-9B	04/11/2011	76.26	-----	27.20	-----	49.06
PZ-9B	10/10/2011	76.26	-----	28.00	-----	48.26
PZ-9B	04/16/2012	76.26	-----	29.10	-----	47.16
PZ-9B	10/15/2012	76.26	-----	30.54	-----	45.72
PZ-9B	04/08/2013	76.26	-----	30.89	-----	45.37
PZ-9B	04/20/2015	76.26	-----	32.24	-----	44.02
PZ-10	07/30/2003	74.19	-----	25.74	-----	48.45
PZ-10	10/06/2003	74.19	-----	25.79	-----	48.40
PZ-10	01/27/2004	74.19	-----	26.13	-----	48.06
PZ-10	04/19/2004	74.34	-----	26.76	-----	47.58
PZ-10	07/19/2004	74.34	-----	26.40	-----	47.94
PZ-10	11/01/2004	74.34	-----	27.11	-----	47.23
PZ-10	02/01/2005	74.34	-----	23.33	-----	51.01
PZ-10	05/02/2005	74.34	-----	21.80	-----	52.54
PZ-10	08/01/2005	74.34	-----	22.21	-----	52.13
PZ-10	10/31/2005	74.34	-----	27.13	-----	47.21
PZ-10	02/27/2006	74.34	-----	23.18	-----	51.16
PZ-10	05/01/2006	74.34	-----	23.18	-----	51.16
PZ-10	09/18/2006	74.34	-----	24.37	-----	49.97
PZ-10	12/04/2006	74.34	-----	24.10	-----	50.24
PZ-10	03/12/2007	74.34	-----	24.44	-----	49.90
PZ-10	04/30/2007	73.92	-----	23.38	-----	50.54
PZ-10	08/28/2007	74.34	-----	22.67	-----	51.67
PZ-10	11/12/2007	74.34	-----	23.61	-----	50.73
PZ-10	02/19/2008	74.34	-----	25.16	-----	49.18
PZ-10	04/14/2008	74.34	-----	24.75	-----	49.59
PZ-10	10/13/2008	74.34	-----	25.61	-----	48.73
PZ-10	04/20/2009	74.34	-----	25.71	-----	48.63
PZ-10	07/20/2009	74.34	-----	26.60	-----	47.74
PZ-10	10/19/2009	74.34	-----	26.96	-----	47.38
PZ-10	05/24/2010	74.34	-----	26.51	-----	47.83
PZ-10	05/28/2010	74.34	-----	26.46	-----	47.88
PZ-10	10/04/2010	74.34	-----	26.66	-----	47.68
PZ-10	04/11/2011	74.34	-----	25.57	-----	48.77
PZ-10	04/16/2012	74.34	-----	28.00	-----	46.34
PZ-10	10/15/2012	74.34	-----	29.81	-----	44.53

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	04/08/2013	74.34	-----	28.94	-----	45.40
PZ-10	04/20/2015	74.34	-----	30.72	-----	43.62
PZ-10	10/19/2015	74.34	-----	31.42	-----	42.92
PZ-10	04/11/2016	74.34	-----	33.37	-----	40.97
PZ-10	10/3/2016	74.34	-----	DRY (to 34.81)	-----	-----
TF-8	11/20/1996	75.60	-----	29.39	-----	46.21
TF-8	07/01/1997	75.60	-----	29.70	-----	45.90
TF-8	12/31/1997	75.60	-----	29.33	-----	46.27
TF-8	05/01/1998	75.60	-----	26.64	-----	48.96
TF-8	05/25/1999	75.60	-----	27.60	-----	48.00
TF-8	05/15/2000	75.60	-----	27.32	-----	48.28
TF-8	05/07/2001	75.60	-----	28.91	-----	46.69
TF-8	04/08/2002	74.86	-----	26.79	-----	48.07
TF-8	09/19/2002	75.60	-----	28.77	-----	46.83
TF-8	10/21/2002	75.60	-----	26.32	-----	49.28
TF-8	04/22/2003	74.86	-----	27.50	-----	47.36
TF-8	10/06/2003	74.86	-----	27.32	-----	47.54
TF-8	04/19/2004	74.86	-----	28.62	-----	46.24
TF-8	11/01/2004	74.86	-----	28.54	-----	46.32
TF-8	02/28/2005	74.86	-----	24.95	-----	49.91
TF-8	05/02/2005	74.86	-----	24.26	-----	50.60
TF-8	03/06/2006	74.86	-----	24.21	-----	50.65
TF-8	05/01/2006	74.86	-----	24.51	-----	50.35
TF-8	08/26/2006	74.86	-----	25.84	-----	49.02
TF-8	12/01/2006	74.86	-----	26.17	-----	48.69
TF-8	03/21/2007	74.86	-----	25.52	-----	49.34
TF-8	04/30/2007	74.86	-----	25.54	-----	49.32
TF-8	08/28/2007	75.60	-----	25.92	-----	49.68
TF-8	11/12/2007	74.86	-----	26.12	-----	48.74
TF-8	02/05/2008	75.60	-----	26.69	-----	48.91
TF-8	04/11/2008	74.86	-----	25.78	-----	49.08
TF-8	07/16/2008	75.60	-----	28.42	-----	47.18
TF-8	07/24/2008	75.60	-----	27.05	-----	48.55
TF-8	10/14/2008	75.60	-----	27.84	-----	47.76
TF-8	02/10/2009	75.60	-----	27.69	-----	47.91
TF-8	04/08/2010	75.60	-----	28.30	-----	47.30
TF-8	10/01/2010	74.86	-----	27.81	-----	47.05
TF-8	01/07/2011	74.86	-----	27.90	-----	46.96
TF-8	04/08/2011	74.86	-----	26.52	-----	48.34
TF-8	07/08/2011	74.86	-----	26.66	-----	48.20
TF-8	10/07/2011	74.86	-----	27.18	-----	47.68

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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	04/12/2012	74.86	-----	28.14	-----	46.72
TF-8	01/11/2013	74.86	-----	29.56	-----	45.30
TF-8	04/03/2013	74.86	-----	29.35	-----	45.51
TF-8	10/02/2013	74.86	-----	30.14	-----	44.72
TF-8	04/09/2014	74.86	-----	30.91	-----	43.95
TF-8	04/17/2014	74.86	-----	30.79	-----	44.07
TF-8	10/27/2014	74.86	-----	31.22	-----	43.64
TF-8	04/20/2015	74.86	-----	31.51	-----	43.35
TF-8	10/20/2015	74.86	-----	32.18	-----	42.68
TF-8	04/11/2016	74.86	-----	32.88	-----	41.98
TF-8	10/3/2016	74.86	-----	33.41	-----	41.45
TF-9	11/20/1996	75.27	-----	31.31	-----	43.96
TF-9	07/01/1997	75.27	-----	30.55	-----	44.72
TF-9	12/31/1997	75.27	-----	29.12	-----	46.15
TF-9	05/01/1998	75.27	26.32	26.35	0.03	NC
TF-9	05/25/1999	75.27	27.00	27.04	0.04	NC
TF-9	05/15/2000	75.27	-----	26.85	-----	48.42
TF-9	05/07/2001	75.27	-----	29.62	-----	45.65
TF-9	04/08/2002	74.47	-----	27.83	-----	46.64
TF-9	09/19/2002	75.27	-----	28.60	-----	46.67
TF-9	10/21/2002	75.27	-----	27.72	-----	47.55
TF-9	04/22/2003	75.27	-----	27.13	-----	48.14
TF-9	10/06/2003	74.47	-----	26.73	-----	47.74
TF-9	04/19/2004	74.47	-----	28.18	-----	46.29
TF-9	11/01/2004	75.27	-----	28.61	-----	46.66
TF-9	02/28/2005	75.27	-----	25.54	-----	49.73
TF-9	05/02/2005	75.27	24.06	24.09	0.03	NC
TF-9	03/06/2006	75.27	-----	23.97	-----	51.30
TF-9	05/01/2006	74.47	-----	24.22	-----	50.25
TF-9	08/26/2006	75.27	25.38	25.40	0.02	NC
TF-9	12/01/2006	75.27	-----	25.74	-----	49.53
TF-9	03/21/2007	75.27	-----	25.18	-----	50.09
TF-9	04/30/2007	74.47	-----	25.00	-----	49.47
TF-9	08/28/2007	75.27	-----	26.02	-----	49.25
TF-9	11/12/2007	74.47	-----	25.90	-----	48.57
TF-9	02/05/2008	75.27	-----	26.88	-----	48.39
TF-9	04/11/2008	74.47	-----	25.50	-----	48.97
TF-9	07/24/2008	74.47	-----	27.16	-----	47.31
TF-9	02/10/2009	75.27	-----	27.82	-----	47.45
TF-9	07/16/2009	75.27	-----	28.28	-----	46.99
TF-9	04/07/2010	75.27	-----	27.79	-----	47.48

APPENDIX C

HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016

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-9	10/01/2010	74.47	-----	27.05	-----	47.42
TF-9	01/07/2011	74.47	-----	27.38	-----	47.09
TF-9	04/08/2011	74.47	-----	25.92	-----	48.55
TF-9	07/08/2011	74.47	-----	26.03	-----	48.44
TF-9	04/12/2012	74.47	-----	27.62	-----	46.85
TF-9	01/11/2013	74.47	-----	29.14	-----	45.33
TF-9	04/03/2013	74.47	-----	28.93	-----	45.54
TF-9	10/02/2013	74.47	-----	29.83	-----	44.64
TF-9	04/09/2014	74.47	-----	30.43	-----	44.04
TF-9	04/17/2014	74.47	-----	30.32	-----	44.15
TF-9	10/27/2014	74.47	-----	30.67	-----	43.80
TF-9	Well decommissioned in December 2014 prior to remedial excavation					
TF-10	11/20/1996	74.19	-----	28.03	-----	46.16
TF-10	07/01/1997	74.19	-----	30.60	-----	43.59
TF-10	12/31/1997	74.19	-----	27.97	-----	46.22
TF-10	05/01/1998	74.19	-----	25.40	-----	48.79
TF-10	05/25/1999	74.19	-----	26.79	-----	47.40
TF-10	05/15/2000	74.19	-----	26.05	-----	48.14
TF-10	04/08/2002	73.61	-----	26.16	-----	47.45
TF-10	09/19/2002	74.19	-----	27.28	-----	46.91
TF-10	10/21/2002	73.61	-----	26.50	-----	47.11
TF-10	04/22/2003	73.61	-----	25.95	-----	47.66
TF-10	10/06/2003	73.61	-----	25.60	-----	48.01
TF-10	04/19/2004	73.61	-----	26.82	-----	46.79
TF-10	11/01/2004	73.61	-----	27.32	-----	46.29
TF-10	02/28/2005	73.61	-----	23.82	-----	49.79
TF-10	05/02/2005	73.61	-----	22.32	-----	51.29
TF-10	03/06/2006	73.61	-----	22.89	-----	50.72
TF-10	05/01/2006	73.61	-----	23.00	-----	50.61
TF-10	08/26/2006	73.61	-----	24.20	-----	49.41
TF-10	12/01/2006	73.61	-----	24.52	-----	49.09
TF-10	03/21/2007	73.61	-----	24.00	-----	49.61
TF-10	04/30/2007	73.61	-----	24.15	-----	49.46
TF-10	08/28/2007	74.19	-----	24.21	-----	49.98
TF-10	11/12/2007	73.61	-----	25.66	-----	47.95
TF-10	02/05/2008	74.19	-----	25.11	-----	49.08
TF-10	04/11/2008	73.61	-----	25.24	-----	48.37
TF-10	07/24/2008	73.61	-----	24.91	-----	48.70
TF-10	10/14/2008	73.61	-----	25.48	-----	48.13
TF-10	02/10/2009	74.19	-----	25.94	-----	48.25
TF-10	07/16/2009	73.61	-----	27.02	-----	46.59

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-10	04/08/2010	73.61	-----	25.75	-----	47.86
TF-10	10/01/2010	73.61	-----	26.93	-----	46.68
TF-10	01/07/2011	73.61	-----	26.64	-----	46.97
TF-10	04/08/2011	73.61	-----	24.92	-----	48.69
TF-10	07/08/2011	73.61	-----	25.15	-----	48.46
TF-10	10/06/2011	73.61	-----	25.54	-----	48.07
TF-10	04/12/2012	73.61	-----	26.72	-----	46.89
TF-10	01/11/2013	73.61	-----	28.42	-----	45.19
TF-10	04/03/2013	73.61	-----	28.19	-----	45.42
TF-11	11/20/1996	74.95	-----	32.55	-----	42.40
TF-11	07/01/1997	74.95	32.60	32.75	0.15	NC
TF-11	12/31/1997	74.95	-----	28.52	-----	46.43
TF-11	05/01/1998	74.95	-----	25.99	-----	48.96
TF-11	05/25/1999	74.95	26.60	26.62	0.02	NC
TF-11	05/15/2000	74.95	-----	26.63	-----	48.32
TF-11	05/07/2001	74.95	-----	28.50	-----	46.45
TF-11	04/08/2002	74.40	-----	25.64	-----	48.76
TF-11	09/19/2002	74.95	28.15	28.33	0.18	NC
TF-11	10/21/2002	74.95	-----	27.02	-----	47.93
TF-11	04/22/2003	74.40	-----	31.15	-----	43.25
TF-11	10/06/2003	74.40	-----	27.12	-----	47.28
TF-11	04/19/2004	74.95	-----	28.56	-----	46.39
TF-11	11/01/2004	74.95	-----	27.86	-----	47.09
TF-11	02/28/2005	74.95	-----	23.82	-----	51.13
TF-11	05/02/2005	74.95	-----	22.90	-----	52.05
TF-11	03/06/2006	74.95	-----	24.31	-----	50.64
TF-11	05/01/2006	74.95	-----	24.35	-----	50.60
TF-11	08/26/2006	74.95	-----	24.79	-----	50.16
TF-11	12/01/2006	74.95	-----	25.17	-----	49.78
TF-11	03/21/2007	74.95	-----	25.26	-----	49.69
TF-11	04/30/2007	74.40	-----	25.62	-----	48.78
TF-11	08/28/2007	74.95	-----	26.06	-----	48.89
TF-11	11/12/2007	74.95	-----	26.26	-----	48.69
TF-11	02/05/2008	74.95	-----	27.15	-----	47.80
TF-11	04/11/2008	74.40	-----	25.87	-----	48.53
TF-11	07/24/2008	74.40	-----	26.05	-----	48.35
TF-11	10/14/2008	74.40	-----	26.85	-----	47.55
TF-11	02/10/2009	74.95	-----	26.90	-----	48.05
TF-11	07/16/2009	74.95	-----	27.70	-----	47.25
TF-11	04/08/2010	74.95	-----	27.11	-----	47.84
TF-11	10/01/2010	74.40	-----	27.62	-----	46.78

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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-11	01/08/2011	74.40	-----	27.17	-----	47.23
TF-11	04/08/2011	74.40	-----	24.98	-----	49.42
TF-11	07/08/2011	74.40	-----	25.40	-----	49.00
TF-11	10/06/2011	74.40	-----	26.07	-----	48.33
TF-11	04/12/2012	74.40	-----	27.51	-----	46.89
TF-11	01/11/2013	74.40	-----	29.45	-----	44.95
TF-11	04/03/2013	74.40	-----	29.35	-----	45.05
TF-13	11/20/1996	75.90	-----	30.90	-----	45.00
TF-13	07/01/1997	75.90	30.90	30.95	0.05	NC
TF-13	12/31/1997	75.90	28.05	30.97	2.92	NC
TF-13	05/01/1998	75.90	30.65	31.10	0.45	NC
TF-13	05/25/1999	75.90	27.12	27.40	0.28	NC
TF-13	05/15/2000	75.90	31.25	31.65	0.40	NC
TF-13	05/07/2001	75.90	-----	31.20	-----	44.70
TF-13	04/08/2002	75.47	-----	28.10	-----	47.37
TF-13	09/19/2002	75.90	-----	28.76	-----	47.14
TF-13	10/21/2002	75.90	-----	31.10	-----	44.80
TF-13	04/22/2003	75.47	-----	31.05	-----	44.42
TF-13	10/06/2003	75.47	-----	27.65	-----	47.82
TF-13	04/19/2004	75.90	-----	29.03	-----	46.87
TF-13	11/01/2004	75.90	-----	28.05	-----	47.85
TF-13	02/28/2005	75.90	-----	24.22	-----	51.68
TF-13	05/02/2005	75.90	-----	22.24	-----	53.66
TF-13	03/06/2006	75.90	-----	25.37	-----	50.53
TF-13	05/01/2006	75.90	-----	25.22	-----	50.68
TF-13	08/26/2006	75.90	-----	25.63	-----	50.27
TF-13	12/01/2006	75.90	-----	25.96	-----	49.94
TF-13	03/21/2007	75.90	-----	26.52	-----	49.38
TF-13	04/30/2007	75.90	-----	26.52	-----	49.38
TF-13	08/28/2007	75.90	-----	26.69	-----	49.21
TF-13	11/12/2007	75.47	-----	27.11	-----	48.36
TF-13	02/05/2008	75.90	-----	27.32	-----	48.58
TF-13	04/14/2008	75.90	-----	26.73	-----	49.17
TF-13	07/24/2008	75.47	-----	27.02	-----	48.45
TF-13	10/14/2008	75.90	-----	27.81	-----	48.09
TF-13	02/10/2009	75.90	-----	26.14	-----	49.76
TF-13	07/17/2009	75.90	-----	27.81	-----	48.09
TF-13	04/08/2010	75.90	-----	28.14	-----	47.76
TF-13	10/01/2010	75.47	-----	28.63	-----	46.84
TF-13	01/08/2011	75.47	-----	28.21	-----	47.26
TF-13	04/07/2011	75.47	-----	26.85	-----	48.62

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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-13	07/08/2011	75.47	-----	27.13	-----	48.34
TF-13	10/07/2011	75.47	-----	27.63	-----	47.84
TF-13	01/10/2013	75.47	-----	30.15	-----	45.32
TF-13	04/03/2013	75.47	-----	30.00	-----	45.47
TF-14	11/20/1996	74.78	30.45	31.11	0.66	NC
TF-14	07/01/1997	74.78	30.60	31.10	0.50	NC
TF-14	12/31/1997	74.78	27.03	31.85	4.82	NC
TF-14	05/01/1998	74.78	29.95	30.75	0.80	NC
TF-14	05/25/1999	74.78	25.60	28.86	3.26	NC
TF-14	05/15/2000	74.78	26.65	27.95	1.30	NC
TF-14	05/07/2001	74.78	-----	26.30	-----	48.48
TF-14	04/08/2002	74.35	28.40	28.48	0.08	NC
TF-14	09/19/2002	74.78	-----	27.68	-----	47.10
TF-14	10/21/2002	74.78	-----	28.42	-----	46.36
TF-14	04/22/2003	74.35	-----	26.61	-----	47.74
TF-14	10/06/2003	74.35	-----	26.52	-----	47.83
TF-14	04/19/2004	74.35	-----	27.94	-----	46.41
TF-14	11/01/2004	74.35	-----	27.24	-----	47.11
TF-14	02/28/2005	74.35	-----	23.62	-----	50.73
TF-14	05/02/2005	74.35	-----	22.51	-----	51.84
TF-14	03/06/2006	74.78	-----	24.06	-----	50.72
TF-14	05/01/2006	74.78	-----	24.13	-----	50.65
TF-14	08/26/2006	74.78	-----	24.54	-----	50.24
TF-14	12/01/2006	74.78	-----	24.82	-----	49.96
TF-14	03/21/2007	74.78	-----	25.24	-----	49.54
TF-14	04/30/2007	74.78	-----	25.37	-----	49.41
TF-14	08/28/2007	74.78	-----	25.89	-----	48.89
TF-14	11/12/2007	74.35	-----	25.91	-----	48.44
TF-14	02/05/2008	74.78	-----	26.95	-----	47.83
TF-14	04/14/2008	74.78	-----	26.55	-----	48.23
TF-14	07/24/2008	74.35	-----	26.05	-----	48.30
TF-14	10/14/2008	74.78	-----	26.63	-----	48.15
TF-14	02/10/2009	74.78	-----	26.91	-----	47.87
TF-14	07/17/2009	74.78	-----	26.91	-----	47.87
TF-14	04/08/2010	74.78	-----	26.92	-----	47.86
TF-14	10/01/2010	74.35	-----	27.42	-----	46.93
TF-14	04/08/2011	74.35	-----	25.65	-----	48.70
TF-14	07/08/2011	74.35	-----	25.93	-----	48.42
TF-14	10/06/2011	74.35	-----	26.41	-----	47.94
TF-14	04/12/2012	74.35	-----	27.49	-----	46.86
TF-14	01/10/2013	74.35	-----	29.25	-----	45.10

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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	04/03/2013	74.35	-----	28.76	-----	45.59
TF-15	11/20/1996	75.40	31.09	31.42	0.33	NC
TF-15	07/01/1997	75.40	31.40	31.65	0.25	NC
TF-15	12/31/1997	75.40	27.79	31.56	3.77	NC
TF-15	05/01/1998	75.40	28.35	30.05	1.70	NC
TF-15	05/25/1999	75.40	26.41	26.94	0.53	NC
TF-15	05/15/2000	75.40	28.90	29.54	0.64	NC
TF-15	05/07/2001	75.40	28.90	29.30	0.40	NC
TF-15	04/08/2002	74.78	-----	27.56	-----	47.22
TF-15	09/19/2002	75.40	-----	28.21	-----	47.19
TF-15	10/21/2002	75.40	29.00	29.24	0.24	NC
TF-15	04/22/2003	74.78	-----	27.45	-----	47.33
TF-15	10/06/2003	74.78	-----	27.03	-----	47.75
TF-15	04/19/2004	74.78	-----	28.17	-----	46.61
TF-15	11/01/2004	74.78	27.77	27.79	0.02	NC
TF-15	02/28/2005	74.78	-----	23.05	-----	51.73
TF-15	05/02/2005	74.78	-----	21.67	-----	53.11
TF-15	03/06/2006	75.40	-----	23.91	-----	51.49
TF-15	05/01/2006	75.40	-----	23.90	-----	51.50
TF-15	08/26/2006	75.40	-----	24.49	-----	50.91
TF-15	12/01/2006	75.40	-----	25.31	-----	50.09
TF-15	03/21/2007	75.40	-----	25.18	-----	50.22
TF-15	04/30/2007	75.40	-----	25.88	-----	49.52
TF-15	08/28/2007	75.40	-----	25.62	-----	49.78
TF-15	11/12/2007	74.78	-----	26.39	-----	48.39
TF-15	02/05/2008	75.40	-----	26.42	-----	48.98
TF-15	04/14/2008	75.40	-----	25.72	-----	49.68
TF-15	07/24/2008	74.78	-----	26.72	-----	48.06
TF-15	10/14/2008	75.40	-----	27.29	-----	48.11
TF-15	02/10/2009	75.40	-----	27.78	-----	47.62
TF-15	07/17/2009	75.40	-----	26.82	-----	48.58
TF-15	04/08/2010	75.40	-----	27.43	-----	47.97
TF-15	10/01/2010	74.78	-----	28.03	-----	46.75
TF-15	01/08/2011	74.78	-----	27.55	-----	47.23
TF-15	04/08/2011	74.78	-----	25.96	-----	48.82
TF-15	07/08/2011	74.78	-----	26.33	-----	48.45
TF-15	10/06/2011	74.78	-----	26.81	-----	47.97
TF-15	04/12/2012	74.78	-----	27.94	-----	46.84
TF-15	01/11/2013	74.78	29.50	29.63	0.13	NC
TF-15	04/03/2013	74.78	-----	29.22	-----	45.56
TF-15	10/02/2013	74.78	29.97	30.04	0.07	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-15	04/09/2014	74.78	30.22	32.25	2.03	NC
TF-15	04/16/2014	74.78	30.18	32.06	1.88	NC
TF-15	10/27/2014	74.78	30.31	30.86	0.55	NC
TF-15	04/20/2015	74.78	30.68	33.50	2.82	NC
TF-16	11/20/1996	76.48	32.52	32.75	0.23	NC
TF-16	07/01/1997	76.48	32.50	33.10	0.60	NC
TF-16	12/31/1997	76.48	28.69	32.79	4.10	NC
TF-16	05/01/1998	76.48	32.07	32.61	0.54	NC
TF-16	05/25/1999	76.48	27.82	27.90	0.08	NC
TF-16	05/15/2000	76.48	32.03	32.48	0.45	NC
TF-16	05/07/2001	76.48	31.96	32.20	0.24	NC
TF-16	04/08/2002	75.89	31.40	31.49	0.09	NC
TF-16	09/19/2002	76.48	-----	29.36	-----	47.12
TF-16	10/21/2002	76.48	-----	32.21	-----	44.27
TF-16	04/22/2003	75.89	-----	28.22	-----	47.67
TF-16	10/06/2003	75.89	-----	28.10	-----	47.79
TF-16	04/19/2004	76.48	-----	29.16	-----	47.32
TF-16	11/01/2004	76.48	-----	28.95	-----	47.53
TF-16	02/28/2005	76.48	-----	25.20	-----	51.28
TF-16	05/02/2005	76.48	-----	23.70	-----	52.78
TF-16	03/06/2006	76.48	-----	25.54	-----	50.94
TF-16	05/01/2006	76.48	-----	25.66	-----	50.82
TF-16	08/26/2006	76.48	-----	26.06	-----	50.42
TF-16	12/01/2006	76.48	-----	26.45	-----	50.03
TF-16	03/21/2007	76.48	-----	26.52	-----	49.96
TF-16	04/30/2007	76.48	-----	27.04	-----	49.44
TF-16	08/28/2007	76.48	-----	27.11	-----	49.37
TF-16	11/12/2007	75.89	-----	27.60	-----	48.29
TF-16	02/05/2008	76.48	-----	27.94	-----	48.54
TF-16	04/14/2008	76.48	-----	27.17	-----	49.31
TF-16	07/24/2008	75.89	-----	27.50	-----	48.39
TF-16	10/14/2008	76.48	-----	28.37	-----	48.11
TF-16	02/10/2009	76.48	-----	27.73	-----	48.75
TF-16	04/20/2009	75.89	-----	27.63	-----	48.26
TF-16	07/17/2009	76.48	-----	28.35	-----	48.13
TF-16	10/19/2009	75.89	-----	29.66	-----	46.23
TF-16	04/08/2010	76.48	-----	27.06	-----	49.42
TF-16	04/12/2010	75.89	-----	27.36	-----	48.53
TF-16	10/01/2010	75.89	-----	28.59	-----	47.30
TF-16	01/08/2011	75.89	-----	28.72	-----	47.17
TF-16	04/07/2011	75.89	-----	27.18	-----	48.71

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-16	07/08/2011	75.89	-----	27.51	-----	48.38
TF-16	10/07/2011	75.89	-----	28.10	-----	47.79
TF-16	04/12/2012	75.89	-----	29.05	-----	46.84
TF-16	04/19/2012	75.89	-----	29.08	-----	46.81
TF-16	01/11/2013	75.89	-----	30.63	-----	45.26
TF-16	04/03/2013	75.89	-----	30.47	-----	45.42
TF-16	04/08/2013	75.89	-----	30.25	-----	45.64
TF-16	10/02/2013	75.89	-----	31.16	-----	44.73
TF-16	04/09/2014	75.89	-----	31.68	-----	44.21
TF-16	04/16/2014	75.89	-----	32.42	-----	43.47
TF-16	10/27/2014	75.89	31.58	32.92	1.34	NC
TF-16	04/20/2015	75.89	31.87	34.70	2.83	NC
TF-16	04/11/2016	75.89	33.41	36.15	2.74	NC
TF-16	10/3/2016	75.89	33.73	37.12	3.39	NC
TF-17	11/20/1996	75.26	30.00	30.53	0.53	NC
TF-17	07/01/1997	75.26	30.10	30.20	0.10	NC
TF-17	12/31/1997	75.26	-----	27.50	-----	47.76
TF-17	05/01/1998	75.26	24.86	25.18	0.32	NC
TF-17	05/25/1999	75.26	25.40	28.24	2.84	NC
TF-17	05/15/2000	75.26	28.84	29.32	0.48	NC
TF-17	05/07/2001	75.26	-----	26.20	-----	49.06
TF-17	04/08/2002	74.88	27.01	27.04	0.03	NC
TF-17	09/19/2002	75.26	-----	28.68	-----	46.58
TF-17	10/21/2002	75.26	-----	27.40	-----	47.86
TF-17	04/22/2003	74.88	27.85	27.99	0.14	NC
TF-17	10/06/2003	74.88	-----	26.63	-----	48.25
TF-17	04/19/2004	75.26	27.32	28.83	1.51	NC
TF-17	11/01/2004	75.26	27.80	28.30	0.50	NC
TF-17	02/28/2005	75.26	22.62	23.33	0.71	NC
TF-17	05/02/2005	75.26	21.57	22.25	0.68	NC
TF-17	03/06/2006	75.26	23.42	23.98	0.56	NC
TF-17	05/01/2006	75.26	23.39	26.35	2.96	NC
TF-17	08/26/2006	75.26	24.08	26.52	2.44	NC
TF-17	12/01/2006	74.88	24.77	26.62	1.85	NC
TF-17	03/21/2007	75.26	24.67	25.02	0.35	NC
TF-17	04/30/2007	75.26	25.00	26.16	1.16	NC
TF-17	11/09/2007	74.88	25.35	26.01	0.66	NC
TF-17	02/05/2008	75.26	25.98	28.18	2.20	NC
TF-17	07/24/2008	75.26	26.15	27.29	1.14	NC
TF-17	10/13/2008	75.26	26.67	27.95	1.28	NC
TF-17	02/10/2009	75.26	26.05	27.66	1.61	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	07/17/2009	74.88	26.90	27.64	0.74	NC
TF-17	04/08/2010	74.88	26.76	26.78	0.02	NC
TF-17	10/01/2010	74.88	27.72	28.14	0.42	NC
TF-17	04/08/2011	74.88	-----	25.74	-----	49.14
TF-17	07/08/2011	74.88	-----	26.40	-----	48.48
TF-17	10/06/2011	74.88	-----	27.07	-----	47.81
TF-17	04/12/2012	74.88	-----	27.96	-----	46.92
TF-17	01/11/2013	74.88	-----	29.55	-----	45.33
TF-17	04/03/2013	74.88	-----	29.71	-----	45.17
TF-17	10/02/2013	74.88	-----	30.42	-----	44.46
TF-17	04/09/2014	74.88	-----	30.97	-----	43.91
TF-17	04/16/2014	74.88	-----	30.59	-----	44.29
TF-17	10/27/2014	74.88	-----	31.16	-----	43.72
TF-17	Well decommissioned in December 2014 prior to remedial excavation					
TF-18	05/25/1999	73.94	24.22	25.83	1.61	NC
TF-18	05/15/2000	73.94	25.13	26.22	1.09	NC
TF-18	05/07/2001	73.94	-----	25.30	-----	48.64
TF-18	04/08/2002	73.94	27.10	27.42	0.32	NC
TF-18	09/19/2002	73.94	25.80	26.89	1.09	NC
TF-18	10/21/2002	73.94	27.92	27.94	0.02	NC
TF-18	04/22/2003	73.94	-----	28.11	-----	45.83
TF-18	10/06/2003	73.94	25.09	25.28	0.19	NC
TF-18	04/19/2004	73.94	-----	26.00	-----	47.94
TF-18	11/01/2004	73.94	26.25	27.76	1.51	NC
TF-18	02/28/2005	73.94	-----	22.27	-----	51.67
TF-18	05/02/2005	73.94	20.45	20.67	0.22	NC
TF-18	03/06/2006	73.94	22.62	22.67	0.05	NC
TF-18	05/01/2006	73.94	22.57	22.59	0.02	NC
TF-18	08/26/2006	73.94	23.14	23.29	0.15	NC
TF-18	12/01/2006	73.94	-----	23.97	-----	49.97
TF-18	03/21/2007	73.94	23.91	24.02	0.11	NC
TF-18	04/30/2007	73.94	24.30	24.35	0.05	NC
TF-18	11/09/2007	73.94	-----	24.85	-----	49.09
TF-18	02/05/2008	73.94	-----	25.49	-----	48.45
TF-18	07/24/2008	73.94	-----	24.97	-----	48.97
TF-18	10/14/2008	73.94	-----	25.62	-----	48.32
TF-18	02/10/2009	73.94	-----	25.88	-----	48.06
TF-18	07/16/2009	73.94	-----	26.42	-----	47.52
TF-18	04/08/2010	73.94	25.70	25.73	0.03	NC
TF-18	10/01/2010	73.94	-----	26.35	-----	47.59
TF-18	01/08/2011	73.94	26.65	26.86	0.21	NC

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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-18	04/07/2011	73.94	24.95	25.11	0.16	NC
TF-18	07/08/2011	73.94	25.30	25.40	0.10	NC
TF-18	10/06/2011	73.94	25.95	25.97	0.02	NC
TF-18	04/12/2012	73.94	-----	27.30	-----	46.64
TF-18	01/10/2013	73.94	27.85	30.25	2.40	NC
TF-18	04/03/2013	73.94	28.04	28.80	0.76	NC
TF-18	10/02/2013	73.94	28.68	29.47	0.79	NC
TF-18	04/09/2014	73.94	29.37	30.90	1.53	NC
TF-18	04/16/2014	73.94	29.38	31.15	1.77	NC
TF-18	10/27/2014	73.94	29.48	30.91	1.43	NC
TF-18	04/20/2015	73.94	29.36	30.11	0.75	NC
TF-18	10/20/2015	73.94	30.41	33.06	2.65	NC
TF-18	04/11/2016	73.94	31.12	34.08	2.96	NC
TF-18	10/3/2016	73.94	31.61	34.35	2.74	NC
TF-19	11/20/1996	75.61	-----	29.06	-----	46.55
TF-19	07/01/1997	75.61	29.20	29.30	0.10	NC
TF-19	12/31/1997	75.61	-----	28.27	-----	47.34
TF-19	05/01/1998	75.61	-----	25.70	-----	49.91
TF-19	05/25/1999	75.61	-----	26.42	-----	49.19
TF-19	05/15/2000	75.61	32.33	32.90	0.57	NC
TF-19	05/07/2001	75.61	-----	28.61	-----	47.00
TF-19	04/08/2002	75.07	-----	26.40	-----	48.67
TF-19	09/19/2002	75.61	-----	27.90	-----	47.71
TF-19	10/21/2002	75.61	-----	27.08	-----	48.53
TF-19	04/22/2003	75.07	-----	27.09	-----	47.98
TF-19	10/06/2003	75.07	-----	26.87	-----	48.20
TF-19	04/19/2004	75.07	-----	26.90	-----	48.17
TF-19	11/01/2004	75.61	-----	28.20	-----	47.41
TF-19	02/28/2005	75.61	-----	23.79	-----	51.82
TF-19	05/02/2005	75.61	-----	22.25	-----	53.36
TF-19	03/06/2006	75.61	-----	24.62	-----	50.99
TF-19	05/01/2006	75.61	-----	24.60	-----	51.01
TF-19	08/26/2006	75.61	-----	25.11	-----	50.50
TF-19	12/01/2006	75.61	-----	25.60	-----	50.01
TF-19	03/21/2007	75.61	-----	25.96	-----	49.65
TF-19	04/30/2007	75.61	-----	26.07	-----	49.54
TF-19	08/28/2007	75.61	-----	26.21	-----	49.40
TF-19	11/12/2007	75.61	-----	26.66	-----	48.95
TF-19	02/05/2008	75.61	-----	27.15	-----	48.46
TF-19	04/14/2008	75.61	-----	26.12	-----	49.49
TF-19	07/24/2008	75.61	-----	26.95	-----	48.66

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HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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	10/14/2008	75.61	-----	27.40	-----	48.21
TF-19	02/10/2009	75.61	-----	27.70	-----	47.91
TF-19	07/16/2009	75.61	-----	27.69	-----	47.92
TF-19	04/08/2010	75.61	-----	27.48	-----	48.13
TF-19	10/01/2010	75.07	-----	28.11	-----	46.96
TF-19	01/08/2011	75.07	-----	27.66	-----	47.41
TF-19	04/07/2011	75.07	-----	25.96	-----	49.11
TF-19	07/08/2011	75.07	-----	26.37	-----	48.70
TF-19	10/06/2011	75.07	-----	27.00	-----	48.07
TF-19	04/12/2012	75.07	-----	28.08	-----	46.99
TF-19	01/10/2013	75.07	-----	29.38	-----	45.69
TF-19	04/03/2013	75.07	-----	29.45	-----	45.62
TF-19	10/02/2013	75.07	-----	30.14	-----	44.93
TF-19	04/09/2014	75.07	-----	30.68	-----	44.39
TF-19	04/16/2014	75.07	30.75	30.76	0.01	NC
TF-19	10/27/2014	75.07	30.72	31.46	0.74	NC
TF-19	04/20/2015	75.07	30.77	33.03	2.26	NC
TF-19	10/20/2015	75.07	32.45	32.46	0.01	NC
TF-19	04/11/2016	75.07	-----	33.03	-----	42.04
TF-19	10/3/2016	75.07	-----	32.92	-----	42.15
TF-20	11/20/1996	75.59	-----	29.02	-----	46.57
TF-20	07/01/1997	75.59	-----	29.40	-----	46.19
TF-20	12/31/1997	75.59	-----	28.49	-----	47.10
TF-20	05/01/1998	75.59	-----	25.93	-----	49.66
TF-20	05/25/1999	75.59	-----	26.74	-----	48.85
TF-20	05/15/2000	75.59	-----	31.44	-----	44.15
TF-20	05/07/2001	75.59	-----	27.96	-----	47.63
TF-20	04/08/2002	75.08	-----	31.40	-----	43.68
TF-20	09/19/2002	75.59	-----	28.52	-----	47.07
TF-20	10/21/2002	75.59	-----	31.29	-----	44.30
TF-20	04/22/2003	75.08	-----	31.28	-----	43.80
TF-20	10/06/2003	75.08	-----	27.60	-----	47.48
TF-20	04/19/2004	75.08	-----	27.78	-----	47.30
TF-20	11/01/2004	75.59	-----	28.88	-----	46.71
TF-20	02/28/2005	75.59	-----	24.92	-----	50.67
TF-20	05/02/2005	75.59	-----	22.54	-----	53.05
TF-20	03/06/2006	75.59	24.34	24.48	0.14	NC
TF-20	05/01/2006	75.59	24.67	27.70	3.03	NC
TF-20	08/26/2006	75.59	25.05	28.68	3.63	NC
TF-20	12/01/2006	75.59	25.48	29.67	4.19	NC
TF-20	03/21/2007	75.59	25.42	25.49	0.07	NC

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HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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-20	04/30/2007	75.59	-----	25.84	-----	49.75
TF-20	11/09/2007	75.59	26.45	29.02	2.57	NC
TF-20	02/05/2008	75.08	27.47	28.65	1.18	NC
TF-20	07/24/2008	75.08	-----	27.51	-----	47.57
TF-20	10/13/2008	75.08	-----	28.28	-----	46.80
TF-20	02/10/2009	75.08	27.24	27.85	0.61	NC
TF-20	07/17/2009	75.08	-----	28.02	-----	47.06
TF-20	04/08/2010	75.08	-----	27.59	-----	47.49
TF-20	10/01/2010	75.08	-----	28.47	-----	46.61
TF-20	01/08/2011	75.08	-----	28.73	-----	46.35
TF-20	04/08/2011	75.08	-----	26.90	-----	48.18
TF-20	07/08/2011	75.08	-----	27.45	-----	47.63
TF-20	10/06/2011	75.08	-----	28.05	-----	47.03
TF-20	04/12/2012	75.08	-----	28.88	-----	46.20
TF-20	01/11/2013	75.08	30.38	30.43	0.05	NC
TF-20	04/03/2013	75.08	30.30	30.32	0.02	NC
TF-20	10/02/2013	75.08	30.93	30.95	0.02	NC
TF-20	04/09/2014	75.08	-----	31.47	-----	43.61
TF-20	04/16/2014	75.08	31.32	31.35	0.03	NC
TF-20	10/27/2014	75.08	31.76	31.79	0.03	NC
TF-20	Well decommissioned in December 2014 prior to remedial excavation					
TF-21	11/20/1996	75.60	29.83	29.91	0.08	NC
TF-21	07/01/1997	75.60	30.80	31.10	0.30	NC
TF-21	12/31/1997	75.60	-----	28.35	-----	47.25
TF-21	05/01/1998	75.60	-----	25.56	-----	50.04
TF-21	05/25/1999	75.60	26.49	26.58	0.09	NC
TF-21	05/15/2000	75.60	28.68	29.04	0.36	NC
TF-21	05/07/2001	75.60	-----	29.81	-----	45.79
TF-21	04/08/2002	74.96	-----	28.50	-----	46.46
TF-21	09/19/2002	75.60	-----	28.63	-----	46.97
TF-21	10/21/2002	75.60	-----	30.16	-----	45.44
TF-21	04/22/2003	74.96	-----	27.62	-----	47.34
TF-21	10/06/2003	74.96	-----	26.55	-----	48.41
TF-21	04/19/2004	74.96	-----	27.28	-----	47.68
TF-21	11/01/2004	75.60	-----	27.88	-----	47.72
TF-21	02/28/2005	75.60	-----	23.76	-----	51.84
TF-21	05/02/2005	75.60	-----	22.00	-----	53.60
TF-21	03/06/2006	75.60	-----	24.06	-----	51.54
TF-21	05/01/2006	75.60	-----	24.09	-----	51.51
TF-21	08/26/2006	75.60	-----	24.76	-----	50.84
TF-21	12/01/2006	75.60	-----	25.22	-----	50.38

APPENDIX C

HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016

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-21	03/21/2007	75.60	-----	25.51	-----	50.09
TF-21	04/30/2007	75.60	-----	25.72	-----	49.88
TF-21	08/28/2007	75.60	-----	26.17	-----	49.43
TF-21	11/12/2007	74.76	-----	26.35	-----	48.41
TF-21	02/05/2008	75.60	-----	27.25	-----	48.35
TF-21	04/14/2008	75.60	-----	25.93	-----	49.67
TF-21	07/24/2008	74.96	-----	26.51	-----	48.45
TF-21	10/13/2008	74.96	-----	27.10	-----	47.86
TF-21	02/10/2009	75.60	-----	26.72	-----	48.88
TF-21	04/20/2009	74.96	-----	21.85	-----	53.11
TF-21	07/17/2009	75.60	-----	27.31	-----	48.29
TF-21	10/19/2009	74.96	-----	29.84	-----	45.12
TF-21	04/08/2010	75.60	-----	27.30	-----	48.30
TF-21	04/12/2010	74.96	-----	27.00	-----	47.96
TF-21	01/08/2011	74.96	-----	27.89	-----	47.07
TF-21	04/08/2011	74.96	-----	26.09	-----	48.87
TF-21	07/08/2011	74.96	-----	26.59	-----	48.37
TF-21	10/06/2011	74.96	-----	27.23	-----	47.73
TF-21	04/12/2012	74.96	-----	28.16	-----	46.80
TF-21	04/20/2012	74.96	-----	28.14	-----	46.82
TF-21	01/11/2013	74.96	-----	29.63	-----	45.33
TF-21	04/03/2013	74.96	-----	29.43	-----	45.53
TF-21	04/08/2013	74.96	-----	29.90	-----	45.06
TF-21	10/02/2013	74.96	-----	30.15	-----	44.81
TF-21	04/09/2014	74.96	-----	30.68	-----	44.28
TF-21	04/16/2014	74.96	-----	30.66	-----	44.30
TF-21	10/27/2014	74.96	-----	30.92	-----	44.04
TF-21	04/20/2015	74.96	-----	31.26	-----	43.70
TF-21	10/3/2016	ns	-----	36.31	-----	-----
TF-22	11/20/1996	74.95	30.56	31.98	1.42	NC
TF-22	07/01/1997	74.95	30.70	31.00	0.30	NC
TF-22	12/31/1997	74.95	28.01	28.90	0.89	NC
TF-22	05/01/1998	74.95	23.57	25.24	1.67	NC
TF-22	05/25/1999	74.95	26.02	26.44	0.42	NC
TF-22	05/15/2000	74.95	32.65	32.96	0.31	NC
TF-22	05/07/2001	74.95	32.70	33.01	0.31	NC
TF-22	04/08/2002	74.76	32.80	32.98	0.18	NC
TF-22	09/19/2002	74.95	-----	27.63	-----	47.32
TF-22	10/21/2002	74.95	31.42	32.60	1.18	NC
TF-22	04/22/2003	74.76	-----	27.60	-----	47.16
TF-22	10/06/2003	74.76	-----	26.37	-----	48.39

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	04/19/2004	74.95	27.30	27.32	0.02	NC
TF-22	11/01/2004	74.95	-----	27.52	-----	47.43
TF-22	02/28/2005	74.95	-----	23.49	-----	51.46
TF-22	05/02/2005	74.95	-----	21.88	-----	53.07
TF-22	03/06/2006	74.95	-----	23.98	-----	50.97
TF-22	05/01/2006	74.95	-----	23.99	-----	50.96
TF-22	08/26/2006	74.95	-----	24.42	-----	50.53
TF-22	12/01/2006	74.95	-----	24.97	-----	49.98
TF-22	03/21/2007	74.95	-----	25.24	-----	49.71
TF-22	04/30/2007	74.95	25.50	25.51	0.01	NC
TF-22	08/28/2007	74.95	-----	26.07	-----	48.88
TF-22	11/12/2007	74.95	-----	26.03	-----	48.92
TF-22	02/05/2008	74.95	-----	26.87	-----	48.08
TF-22	04/14/2008	74.95	-----	25.59	-----	49.36
TF-22	07/24/2008	74.95	-----	26.40	-----	48.55
TF-22	10/13/2008	74.95	-----	27.06	-----	47.89
TF-22	02/10/2009	74.95	-----	26.32	-----	48.63
TF-22	07/17/2009	74.95	-----	27.61	-----	47.34
TF-22	04/08/2010	74.95	-----	28.24	-----	46.71
TF-22	10/01/2010	74.76	-----	27.58	-----	47.18
TF-22	04/08/2011	74.76	-----	25.92	-----	48.84
TF-22	07/08/2011	74.76	-----	26.30	-----	48.46
TF-22	10/06/2011	74.76	-----	26.95	-----	47.81
TF-22	04/12/2012	74.76	-----	27.90	-----	46.86
TF-22	01/11/2013	74.76	-----	29.35	-----	45.41
TF-22	04/03/2013	74.76	-----	29.15	-----	45.61
TF-23	05/25/1999	75.31	-----	26.12	-----	49.19
TF-23	05/15/2000	75.31	27.35	27.38	0.03	NC
TF-23	05/07/2001	75.31	-----	27.30	-----	48.01
TF-23	04/08/2002	75.31	-----	28.74	-----	46.57
TF-23	09/19/2002	75.31	-----	27.55	-----	47.76
TF-23	10/21/2002	75.31	31.24	31.44	0.20	NC
TF-23	10/06/2003	75.31	-----	26.52	-----	48.79
TF-23	04/19/2004	75.31	-----	27.51	-----	47.80
TF-23	11/01/2004	75.31	-----	27.60	-----	47.71
TF-23	02/28/2005	75.31	-----	23.89	-----	51.42
TF-23	05/02/2005	75.31	-----	22.32	-----	52.99
TF-23	03/06/2006	75.31	-----	24.21	-----	51.10
TF-23	05/01/2006	75.31	-----	24.31	-----	51.00
TF-23	03/21/2007	75.31	-----	25.51	-----	49.80
TF-23	04/30/2007	75.31	-----	25.67	-----	49.64

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-23	11/12/2007	75.31	-----	26.20	-----	49.11
TF-23	02/05/2008	75.31	-----	26.75	-----	48.56
TF-23	04/14/2008	75.31	-----	25.81	-----	49.50
TF-23	07/24/2008	75.31	-----	26.45	-----	48.86
TF-23	10/13/2008	75.31	-----	27.15	-----	48.16
TF-23	02/10/2009	75.31	-----	26.46	-----	48.85
TF-23	07/17/2009	75.31	-----	26.93	-----	48.38
TF-23	04/08/2010	75.31	-----	27.20	-----	48.11
TF-23	10/01/2010	75.31	-----	27.67	-----	47.64
TF-23	01/08/2011	75.31	-----	27.88	-----	47.43
TF-23	04/08/2011	75.31	-----	26.43	-----	48.88
TF-23	07/08/2011	75.31	-----	26.76	-----	48.55
TF-23	10/06/2011	75.31	-----	27.34	-----	47.97
TF-23	04/12/2012	75.31	28.38	28.41	0.03	NC
TF-23	01/11/2013	75.31	-----	29.67	-----	45.64
TF-23	04/03/2013	75.31	29.60	29.70	0.10	NC
TF-23	10/02/2013	75.31	30.34	30.56	0.22	NC
TF-23	04/09/2014	75.31	30.92	31.16	0.24	NC
TF-23	04/16/2014	75.31	30.90	31.08	0.18	NC
TF-23	10/27/2014	75.31	31.15	31.16	0.01	NC
TF-23	04/20/2015	75.31	31.51	31.54	0.03	NC
TF-23	04/11/2016	75.31	32.84	33.11	0.27	NC
TF-23	10/3/2016	75.31	33.25	33.64	0.39	NC
TF-24	12/31/1997	76.36	-----	30.05	-----	46.31
TF-24	05/01/1998	76.36	-----	27.19	-----	49.17
TF-24	05/25/1999	72.43	27.10	29.04	1.94	NC
TF-24	05/15/2000	76.36	27.82	29.42	1.60	NC
TF-24	04/08/2002	76.43	-----	29.19	-----	47.24
TF-24	10/21/2002	76.35	-----	28.12	-----	48.23
TF-24	04/22/2003	76.35	27.95	28.65	0.70	NC
TF-24	11/01/2004	76.43	-----	29.40	-----	47.03
TF-24	02/28/2005	76.43	-----	24.77	-----	51.66
TF-24	05/02/2005	76.43	-----	24.78	-----	51.65
TF-24	03/06/2006	76.43	24.92	25.86	0.94	NC
TF-24	05/01/2006	76.43	-----	26.21	-----	50.22
TF-24	08/26/2006	76.43	-----	26.59	-----	49.84
TF-24	03/21/2007	76.43	25.88	26.52	0.64	NC
TF-24	11/12/2007	76.43	-----	28.03	-----	48.40
TF-24	04/11/2008	76.43	-----	27.80	-----	48.63
TF-24	07/24/2008	76.43	-----	28.10	-----	48.33
TF-24	10/13/2008	76.43	-----	28.90	-----	47.53

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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-24	02/09/2009	76.43	-----	29.90	-----	46.53
TF-24	07/16/2009	76.43	-----	29.11	-----	47.32
TF-24	04/07/2010	76.43	-----	29.20	-----	47.23
TF-24	10/01/2010	76.43	-----	29.45	-----	46.98
TF-24	01/08/2011	76.43	-----	29.45	-----	46.98
TF-24	04/08/2011	76.43	-----	28.23	-----	48.20
TF-24	07/07/2011	76.43	-----	28.47	-----	47.96
TF-24	10/07/2011	76.43	-----	28.98	-----	47.45
TF-24	04/12/2012	76.43	-----	29.98	-----	46.45
TF-24	01/10/2013	76.43	-----	31.13	-----	45.30
TF-24	04/02/2013	76.43	-----	31.11	-----	45.32
TF-24	10/01/2013	76.43	-----	31.84	-----	44.59
TF-24	04/07/2014	76.43	-----	32.62	-----	43.81
TF-24	04/17/2014	76.43	-----	32.35	-----	44.08
TF-24	10/27/2014	76.43	-----	32.90	-----	43.53
TF-24	04/20/2015	76.43	-----	33.21	-----	43.22
TF-24	10/3/2016	76.43	-----	34.85	-----	41.58
TF-25	05/07/2001	74.85	-----	26.56	-----	48.29
TF-25	04/08/2002	74.85	-----	28.55	-----	46.30
TF-25	09/19/2002	74.85	-----	28.70	-----	46.15
TF-25	10/21/2002	74.85	-----	27.82	-----	47.03
TF-25	04/22/2003	74.85	-----	29.61	-----	45.24
TF-25	10/06/2003	74.85	-----	27.54	-----	47.31
TF-25	04/19/2004	74.85	-----	28.96	-----	45.89
TF-25	11/01/2004	74.85	-----	28.15	-----	46.70
TF-25	02/28/2005	74.85	-----	24.44	-----	50.41
TF-25	05/02/2005	74.85	-----	23.72	-----	51.13
TF-25	03/06/2006	74.85	-----	24.81	-----	50.04
TF-25	05/01/2006	74.85	-----	25.10	-----	49.75
TF-25	08/26/2006	74.85	-----	25.48	-----	49.37
TF-25	12/01/2006	74.85	-----	25.79	-----	49.06
TF-25	03/21/2007	74.85	-----	26.00	-----	48.85
TF-25	04/30/2007	74.85	-----	26.34	-----	48.51
TF-25	08/28/2007	74.85	-----	26.89	-----	47.96
TF-25	11/12/2007	74.85	-----	26.13	-----	48.72
TF-25	02/05/2008	74.85	-----	27.71	-----	47.14
TF-25	04/11/2008	74.85	-----	26.61	-----	48.24
TF-25	07/24/2008	74.85	-----	26.95	-----	47.90
TF-25	10/14/2008	74.85	-----	27.62	-----	47.23
TF-25	02/10/2009	74.85	-----	27.62	-----	47.23
TF-25	07/16/2009	74.85	-----	28.88	-----	45.97

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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-25	04/08/2010	74.85	-----	27.95	-----	46.90
TF-25	10/01/2010	74.85	-----	27.63	-----	47.22
TF-25	01/08/2011	74.85	-----	27.63	-----	47.22
TF-25	04/08/2011	74.85	-----	26.40	-----	48.45
TF-25	07/08/2011	74.85	-----	26.63	-----	48.22
TF-25	10/07/2011	74.85	-----	27.27	-----	47.58
TF-25	04/12/2012	74.85	-----	28.29	-----	46.56
TF-25	01/11/2013	74.85	-----	29.65	-----	45.20
TF-25	04/03/2013	74.85	-----	29.49	-----	45.36
TF-25	04/09/2014	74.85	-----	30.98	-----	43.87
TF-26	05/07/2001	75.85	-----	27.83	-----	48.02
TF-26	04/08/2002	75.85	-----	29.12	-----	46.73
TF-26	09/19/2002	75.85	-----	29.52	-----	46.33
TF-26	10/21/2002	75.85	-----	28.82	-----	47.03
TF-26	04/22/2003	75.85	-----	28.60	-----	47.25
TF-26	10/06/2003	75.85	-----	28.42	-----	47.43
TF-26	04/19/2004	75.85	-----	29.71	-----	46.14
TF-26	11/01/2004	75.85	-----	29.18	-----	46.67
TF-26	02/28/2005	75.85	-----	25.38	-----	50.47
TF-26	05/02/2005	75.85	-----	24.62	-----	51.23
TF-26	03/06/2006	75.85	-----	25.62	-----	50.23
TF-26	05/01/2006	75.85	-----	26.04	-----	49.81
TF-26	08/26/2006	75.85	-----	26.40	-----	49.45
TF-26	12/01/2006	75.85	-----	26.78	-----	49.07
TF-26	03/21/2007	75.85	-----	26.84	-----	49.01
TF-26	04/27/2007	75.85	-----	27.18	-----	48.67
TF-26	08/28/2007	75.85	-----	27.06	-----	48.79
TF-26	11/12/2007	75.85	-----	27.80	-----	48.05
TF-26	02/05/2008	75.85	-----	28.11	-----	47.74
TF-26	04/11/2008	75.85	-----	27.59	-----	48.26
TF-26	07/24/2008	75.85	-----	28.01	-----	47.84
TF-26	10/13/2008	75.85	-----	28.59	-----	47.26
TF-26	02/09/2009	75.85	-----	27.91	-----	47.94
TF-26	07/17/2009	75.85	-----	28.87	-----	46.98
TF-26	04/07/2010	75.85	-----	28.11	-----	47.74
TF-26	10/01/2010	75.85	-----	28.41	-----	47.44
TF-26	04/08/2011	75.85	-----	27.20	-----	48.65
TF-26	07/07/2011	75.85	-----	27.50	-----	48.35
TF-26	10/06/2011	75.85	-----	22.97	-----	52.88
TF-26	04/12/2012	75.85	-----	29.04	-----	46.81
TF-26	01/10/2013	75.85	-----	30.21	-----	45.64

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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	04/02/2013	75.85	30.55	31.39	0.84	NC
TF-26	04/09/2014	75.85	31.48	32.58	1.10	NC
VEW-1	10/19/2015	NS	-----	DRY (to 29.02)	-----	----
VEW-1	04/11/2016	NS	-----	DRY	-----	----
VEW-1	10/3/2016	NS	-----	DRY (to 12.35)	-----	-----
VEW-2	10/19/2015	NS	-----	DRY (to 29.71)	-----	----
VEW-2	04/11/2016	NS	-----	DRY	-----	----
VEW-2	10/3/2016	NS	-----	DRY (to 29.70)	-----	-----
VE-1	04/07/2003	77.70	-----	29.55	-----	48.15
VE-1	10/06/2003	77.70	-----	29.39	-----	48.31
VE-1	04/19/2004	77.70	-----	30.17	-----	47.53
VE-1	11/01/2004	77.70	-----	30.05	-----	47.65
VE-1	05/01/2006	77.70	-----	26.58	-----	51.12
VE-1	04/11/2008	77.70	-----	28.68	-----	49.02
VE-1	10/13/2008	77.70	-----	29.78	-----	47.92
VE-1	04/08/2010	77.70	-----	30.02	-----	47.68
VE-2	04/07/2003	77.26	-----	28.95	-----	48.31
VE-2	10/06/2003	77.26	-----	28.89	-----	48.37
VE-2	04/19/2004	77.26	-----	30.02	-----	47.24
VE-2	11/01/2004	77.26	-----	29.69	-----	47.57
VE-2	05/01/2006	77.26	-----	25.93	-----	51.33
VE-2	04/11/2008	77.26	-----	28.25	-----	49.01
VE-2	10/13/2008	77.26	-----	29.33	-----	47.93
VE-2	04/07/2010	77.26	-----	30.36	-----	46.90
VS-01	10/06/2003	-----	-----	26.30	-----	-----
VS-01	04/19/2004	-----	-----	26.88	-----	-----
VS-01	05/01/2006	-----	-----	24.01	-----	-----
VS-01	05/01/2006	-----	-----	23.95	-----	-----
VS-01	12/01/2006	-----	-----	24.92	-----	-----
VS-01	12/01/2006	-----	-----	24.81	-----	-----
VS-01	11/12/2007	-----	-----	24.92	-----	-----
VS-01	11/12/2007	-----	-----	24.81	-----	-----
VS-01	04/14/2008	-----	-----	25.48	-----	-----
VS-01	04/14/2008	-----	-----	25.18	-----	-----
VS-01	10/14/2008	-----	-----	26.87	-----	-----
VS-01	10/14/2008	-----	-----	26.69	-----	-----
VS-02	10/06/2003	-----	-----	25.63	-----	-----
VS-02	04/19/2004	-----	-----	25.08	-----	-----
VS-02	04/27/2007	-----	-----	25.50	-----	-----
VS-03	10/06/2003	-----	-----	27.04	-----	-----
VS-03	04/19/2004	-----	-----	28.25	-----	-----

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)
VS-03	05/01/2006	-----	-----	24.36	-----	-----
VS-03	05/01/2006	-----	-----	24.21	-----	-----
VS-03	12/01/2006	-----	-----	25.21	-----	-----
VS-03	12/01/2006	-----	-----	25.18	-----	-----
VS-03	04/27/2007	-----	-----	25.51	-----	-----
VS-03	04/30/2007	-----	-----	25.51	-----	-----
VS-03	11/12/2007	-----	-----	26.33	-----	-----
VS-03	11/12/2007	-----	-----	26.01	-----	-----
VS-03	04/11/2008	-----	-----	25.90	-----	-----
VS-03	04/11/2008	-----	-----	25.56	-----	-----
VS-03	10/14/2008	-----	-----	26.85	-----	-----
VS-03	10/14/2008	-----	-----	26.60	-----	-----
VS-03	04/08/2010	-----	-----	27.10	-----	-----
VS-03	04/08/2010	-----	-----	26.48	-----	-----
WCW-1	05/28/1996	72.86	-----	25.95	-----	46.91
WCW-1	11/20/1996	72.86	-----	26.13	-----	46.73
WCW-1	07/01/1997	72.86	-----	26.77	-----	46.09
WCW-1	12/31/1997	72.86	-----	26.09	-----	46.77
WCW-1	05/01/1998	72.86	-----	24.21	-----	48.65
WCW-1	02/02/1999	72.86	-----	23.24	-----	49.62
WCW-1	05/04/1999	72.86	-----	23.78	-----	49.08
WCW-1	08/09/1999	72.86	-----	24.15	-----	48.71
WCW-1	11/15/1999	72.86	-----	24.27	-----	48.59
WCW-1	02/28/2000	72.86	-----	24.31	-----	48.55
WCW-1	05/15/2000	72.86	-----	27.79	-----	45.07
WCW-1	08/28/2000	72.86	-----	24.68	-----	48.18
WCW-1	11/13/2000	72.86	-----	24.66	-----	48.20
WCW-1	02/05/2001	72.86	-----	24.60	-----	48.26
WCW-1	05/07/2001	72.86	-----	23.99	-----	48.87
WCW-1	09/18/2001	72.86	-----	23.68	-----	49.18
WCW-1	01/29/2002	72.86	-----	23.85	-----	49.01
WCW-1	04/08/2002	72.86	-----	24.13	-----	48.73
WCW-1	10/21/2002	72.86	-----	24.65	-----	48.21
WCW-1	04/07/2003	72.86	-----	24.65	-----	48.21
WCW-1	10/06/2003	72.86	-----	24.49	-----	48.37
WCW-1	04/19/2004	72.86	-----	24.98	-----	47.88
WCW-1	05/10/2004	72.86	-----	24.93	-----	47.93
WCW-1	11/01/2004	72.86	-----	25.26	-----	47.60
WCW-1	05/02/2005	72.86	-----	22.57	-----	50.29
WCW-1	05/01/2006	72.86	-----	22.13	-----	50.73
WCW-1	12/01/2006	72.86	-----	22.91	-----	49.95

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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-1	04/30/2007	72.86	-----	22.20	-----	50.66
WCW-1	11/12/2007	72.86	-----	23.52	-----	49.34
WCW-1	04/14/2008	72.86	-----	23.57	-----	49.29
WCW-1	10/14/2008	72.86	-----	24.19	-----	48.67
WCW-1	04/20/2009	72.86	-----	24.26	-----	48.60
WCW-1	01/12/2010	72.86	-----	25.91	-----	46.95
WCW-1	05/24/2010	72.86	-----	25.10	-----	47.76
WCW-1	05/28/2010	72.86	-----	25.05	-----	47.81
WCW-1	10/01/2010	72.86	-----	25.29	-----	47.57
WCW-1	04/08/2011	72.86	-----	24.82	-----	48.04
WCW-1	04/11/2011	72.86	-----	24.73	-----	48.13
WCW-1	07/07/2011	72.86	-----	24.40	-----	48.46
WCW-1	10/06/2011	72.86	-----	24.57	-----	48.29
WCW-1	04/16/2012	72.86	-----	25.23	-----	47.63
WCW-1	04/08/2013	72.86	-----	26.83	-----	46.03
WCW-1	10/07/2013	72.86	-----	27.63	-----	45.23
WCW-1	04/14/2014	72.86	-----	27.73	-----	45.13
WCW-1	10/27/2014	72.86	-----	28.53	-----	44.33
WCW-1	04/20/2015	72.86	-----	29.08	-----	43.78
WCW-1	10/19/2015	72.86	-----	29.90	-----	42.96
WCW-1	04/11/2016	72.86	-----	30.70	-----	42.16
WCW-1	10/3/2016	72.86	-----	31.50	-----	41.36
WCW-2	05/28/1996	75.34	-----	35.28	-----	40.06
WCW-2	11/20/1996	75.34	-----	29.34	-----	46.00
WCW-2	07/01/1997	75.34	-----	29.82	-----	45.52
WCW-2	12/31/1997	75.34	-----	29.45	-----	45.89
WCW-2	05/01/1998	75.34	-----	26.80	-----	48.54
WCW-2	02/02/1999	75.34	-----	26.40	-----	48.94
WCW-2	05/03/1999	75.34	-----	26.94	-----	48.40
WCW-2	08/09/1999	75.34	-----	27.21	-----	48.13
WCW-2	11/15/1999	75.34	-----	27.47	-----	47.87
WCW-2	02/28/2000	75.34	-----	27.44	-----	47.90
WCW-2	05/15/2000	75.34	-----	27.42	-----	47.92
WCW-2	08/28/2000	75.34	-----	27.63	-----	47.71
WCW-2	11/13/2000	75.34	-----	28.87	-----	46.47
WCW-2	02/05/2001	75.34	-----	27.62	-----	47.72
WCW-2	05/07/2001	75.34	-----	27.06	-----	48.28
WCW-2	09/18/2001	75.34	-----	26.64	-----	48.70
WCW-2	01/29/2002	75.34	-----	26.76	-----	48.58
WCW-2	04/08/2002	75.34	-----	27.10	-----	48.24
WCW-2	10/21/2002	75.34	-----	27.47	-----	47.87

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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)
WCW-2	04/07/2003	75.34	-----	27.47	-----	47.87
WCW-2	10/06/2003	75.34	-----	27.40	-----	47.94
WCW-2	04/19/2004	75.34	-----	25.80	-----	49.54
WCW-2	05/10/2004	75.34	-----	27.80	-----	47.54
WCW-2	11/01/2004	75.34	-----	28.04	-----	47.30
WCW-2	05/02/2005	75.34	-----	25.69	-----	49.65
WCW-2	05/01/2006	75.34	-----	24.90	-----	50.44
WCW-2	12/01/2006	75.34	-----	25.52	-----	49.82
WCW-2	04/30/2007	75.34	-----	25.49	-----	49.85
WCW-2	11/12/2007	75.34	-----	26.15	-----	49.19
WCW-2	04/14/2008	75.34	-----	26.15	-----	49.19
WCW-2	10/14/2008	75.34	-----	26.88	-----	48.46
WCW-2	04/20/2009	75.34	-----	27.31	-----	48.03
WCW-2	10/19/2009	75.34	-----	27.90	-----	47.44
WCW-2	01/12/2010	75.34	-----	28.11	-----	47.23
WCW-2	05/24/2010	75.34	-----	28.00	-----	47.34
WCW-2	05/28/2010	75.34	-----	27.95	-----	47.39
WCW-2	01/08/2011	75.34	-----	28.36	-----	46.98
WCW-2	04/11/2011	75.34	-----	27.67	-----	47.67
WCW-2	04/12/2011	75.34	-----	27.74	-----	47.60
WCW-2	07/07/2011	75.34	-----	27.40	-----	47.94
WCW-2	10/06/2011	75.34	-----	27.54	-----	47.80
WCW-2	04/16/2012	75.34	-----	28.13	-----	47.21
WCW-2	04/08/2013	75.34	-----	29.11	-----	46.23
WCW-2	10/07/2013	75.34	-----	30.25	-----	45.09
WCW-2	04/14/2014	75.34	-----	31.71	-----	43.63
WCW-2	10/27/2014	75.34	-----	31.42	-----	43.92
WCW-2	04/20/2015	75.34	-----	32.84	-----	42.50
WCW-2	10/19/2015	75.34	-----	32.52	-----	42.82
WCW-2	04/11/2016	75.34	-----	33.05	-----	42.29
WCW-2	10/3/2016	75.34	-----	33.60	-----	41.74
WCW-3	05/28/1996	76.16	-----	30.40	-----	45.76
WCW-3	11/20/1996	76.16	-----	30.48	-----	45.68
WCW-3	07/01/1997	76.16	-----	31.00	-----	45.16
WCW-3	12/31/1997	76.16	-----	30.61	-----	45.55
WCW-3	05/01/1998	76.16	-----	29.00	-----	47.16
WCW-3	02/02/1999	76.16	-----	27.82	-----	48.34
WCW-3	05/03/1999	76.16	-----	28.33	-----	47.83
WCW-3	08/09/1999	76.16	-----	28.56	-----	47.60
WCW-3	11/15/1999	76.16	-----	28.83	-----	47.33
WCW-3	02/28/2000	76.16	-----	28.58	-----	47.58

The Source Group, Inc.

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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-3	05/15/2000	76.16	-----	28.56	-----	47.60
WCW-3	08/28/2000	76.16	-----	28.72	-----	47.44
WCW-3	11/13/2000	76.16	-----	28.16	-----	48.00
WCW-3	02/05/2001	76.16	-----	28.70	-----	47.46
WCW-3	05/07/2001	76.16	-----	28.15	-----	48.01
WCW-3	09/18/2001	76.16	-----	27.78	-----	48.38
WCW-3	01/29/2002	76.16	-----	27.99	-----	48.17
WCW-3	04/08/2002	76.16	-----	28.25	-----	47.91
WCW-3	07/29/2002	76.16	-----	28.41	-----	47.75
WCW-3	10/21/2002	76.16	-----	28.50	-----	47.66
WCW-3	01/27/2003	76.16	-----	28.47	-----	47.69
WCW-3	04/07/2003	76.16	-----	28.49	-----	47.67
WCW-3	07/30/2003	76.16	-----	28.29	-----	47.87
WCW-3	10/06/2003	76.16	-----	28.44	-----	47.72
WCW-3	01/27/2004	76.16	-----	28.58	-----	47.58
WCW-3	05/10/2004	76.16	-----	28.34	-----	47.82
WCW-3	07/19/2004	76.16	-----	28.18	-----	47.98
WCW-3	11/01/2004	76.16	-----	29.04	-----	47.12
WCW-3	02/01/2005	76.16	-----	28.54	-----	47.62
WCW-3	05/02/2005	76.16	-----	26.58	-----	49.58
WCW-3	02/27/2006	76.16	-----	25.75	-----	50.41
WCW-3	05/01/2006	76.16	-----	25.95	-----	50.21
WCW-3	09/18/2006	76.16	-----	26.11	-----	50.05
WCW-3	12/01/2006	76.16	-----	26.56	-----	49.60
WCW-3	03/12/2007	76.16	-----	26.52	-----	49.64
WCW-3	04/30/2007	76.16	-----	26.45	-----	49.71
WCW-3	08/28/2007	76.16	-----	27.43	-----	48.73
WCW-3	11/12/2007	76.16	-----	27.21	-----	48.95
WCW-3	02/19/2008	76.16	-----	27.21	-----	48.95
WCW-3	04/14/2008	76.16	-----	27.14	-----	49.02
WCW-3	08/11/2008	76.16	-----	27.59	-----	48.57
WCW-3	10/14/2008	76.16	-----	27.99	-----	48.17
WCW-3	04/20/2009	76.16	-----	28.19	-----	47.97
WCW-3	07/20/2009	76.16	-----	28.48	-----	47.68
WCW-3	10/19/2009	76.16	-----	28.84	-----	47.32
WCW-3	01/12/2010	76.16	-----	30.40	-----	45.76
WCW-3	03/15/2010	76.16	-----	29.44	-----	46.72
WCW-3	05/24/2010	76.16	-----	29.30	-----	46.86
WCW-3	05/28/2010	76.16	-----	29.21	-----	46.95
WCW-3	10/04/2010	76.16	-----	29.26	-----	46.90
WCW-3	01/08/2011	76.16	-----	29.58	-----	46.58

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	01/10/2011	76.16	-----	29.50	-----	46.66
WCW-3	04/11/2011	76.16	-----	28.84	-----	47.32
WCW-3	04/12/2011	76.16	-----	28.95	-----	47.21
WCW-3	07/07/2011	76.16	-----	28.75	-----	47.41
WCW-3	07/11/2011	76.16	-----	28.57	-----	47.59
WCW-3	10/10/2011	76.16	-----	28.64	-----	47.52
WCW-3	01/09/2012	76.16	-----	29.00	-----	47.16
WCW-3	04/16/2012	76.16	-----	29.35	-----	46.81
WCW-3	07/09/2012	76.16	-----	29.64	-----	46.52
WCW-3	10/15/2012	76.16	-----	29.98	-----	46.18
WCW-3	01/14/2013	76.16	-----	30.32	-----	45.84
WCW-3	04/08/2013	76.16	-----	30.24	-----	45.92
WCW-3	10/07/2013	76.16	-----	31.00	-----	45.16
WCW-3	04/14/2014	76.16	-----	31.81	-----	44.35
WCW-3	10/27/2014	76.16	-----	32.39	-----	43.77
WCW-3	04/20/2015	76.16	-----	32.40	-----	43.76
WCW-3	10/19/2015	76.16	-----	33.38	-----	42.78
WCW-3	04/11/2016	76.16	-----	33.83	-----	42.33
WCW-3	10/3/2016	76.16	-----	34.35	-----	41.81
WCW-4	05/28/1996	78.05	-----	32.63	-----	45.42
WCW-4	11/20/1996	78.05	-----	32.61	-----	45.44
WCW-4	07/01/1997	78.05	-----	32.95	-----	45.10
WCW-4	12/31/1997	78.05	-----	32.63	-----	45.42
WCW-4	05/01/1998	78.05	-----	31.10	-----	46.95
WCW-4	05/03/1999	78.05	-----	30.25	-----	47.80
WCW-4	08/09/1999	78.05	-----	30.45	-----	47.60
WCW-4	11/15/1999	78.05	-----	30.85	-----	47.20
WCW-4	05/15/2000	78.05	-----	34.00	-----	44.05
WCW-4	11/13/2000	78.05	-----	30.69	-----	47.36
WCW-4	05/07/2001	78.05	-----	31.16	-----	46.89
WCW-4	04/08/2002	78.05	-----	30.25	-----	47.80
WCW-4	10/21/2002	78.05	-----	30.46	-----	47.59
WCW-4	04/07/2003	78.05	-----	30.38	-----	47.67
WCW-4	10/06/2003	78.05	-----	30.31	-----	47.74
WCW-4	05/10/2004	78.05	-----	30.61	-----	47.44
WCW-4	11/01/2004	78.05	-----	30.98	-----	47.07
WCW-4	05/02/2005	78.05	-----	28.52	-----	49.53
WCW-4	08/01/2005	78.05	-----	27.84	-----	50.21
WCW-4	05/01/2006	78.05	-----	27.90	-----	50.15
WCW-4	12/01/2006	78.05	-----	28.54	-----	49.51
WCW-4	04/30/2007	78.05	-----	28.50	-----	49.55

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	11/12/2007	78.05	-----	29.23	-----	48.82
WCW-4	04/14/2008	78.05	-----	29.12	-----	48.93
WCW-4	10/14/2008	78.05	-----	29.96	-----	48.09
WCW-4	04/20/2009	78.05	-----	30.20	-----	47.85
WCW-4	10/19/2009	78.05	-----	30.83	-----	47.22
WCW-4	01/12/2010	78.05	-----	31.40	-----	46.65
WCW-4	05/24/2010	78.05	-----	31.26	-----	46.79
WCW-4	05/28/2010	78.05	-----	31.23	-----	46.82
WCW-4	01/08/2011	78.05	-----	31.57	-----	46.48
WCW-4	04/08/2011	78.05	-----	29.98	-----	48.07
WCW-4	04/11/2011	78.05	-----	30.88	-----	47.17
WCW-4	07/07/2011	78.05	-----	30.86	-----	47.19
WCW-4	10/06/2011	78.05	-----	30.96	-----	47.09
WCW-4	04/16/2012	78.05	-----	31.17	-----	46.88
WCW-4	04/08/2013	78.05	-----	32.12	-----	45.93
WCW-4	10/07/2013	78.05	-----	32.78	-----	45.27
WCW-4	04/14/2014	78.05	-----	33.54	-----	44.51
WCW-4	10/27/2014	78.05	-----	34.21	-----	43.84
WCW-4	04/20/2015	78.05	-----	34.52	-----	43.53
WCW-4	10/19/2015	78.05	-----	35.10	-----	42.95
WCW-4	04/11/2016	78.05	-----	35.60	-----	42.45
WCW-4	10/3/2016	78.05	-----	36.10	-----	41.95
WCW-5	05/28/1996	73.49	-----	26.63	-----	46.86
WCW-5	11/20/1996	73.49	-----	26.94	-----	46.55
WCW-5	07/01/1997	73.49	-----	27.65	-----	45.84
WCW-5	12/31/1997	73.49	-----	27.10	-----	46.39
WCW-5	05/01/1998	73.49	-----	25.28	-----	48.21
WCW-5	05/04/1999	73.49	-----	24.80	-----	48.69
WCW-5	08/09/1999	73.49	-----	25.11	-----	48.38
WCW-5	11/15/1999	73.49	-----	25.46	-----	48.03
WCW-5	05/15/2000	73.49	-----	25.14	-----	48.35
WCW-5	11/13/2000	73.49	-----	25.95	-----	47.54
WCW-5	05/07/2001	73.49	-----	24.82	-----	48.67
WCW-5	04/08/2002	73.49	-----	24.85	-----	48.64
WCW-5	10/21/2002	73.49	-----	29.34	-----	44.15
WCW-5	04/07/2003	73.49	-----	25.38	-----	48.11
WCW-5	10/06/2003	73.49	-----	25.27	-----	48.22
WCW-5	05/10/2004	73.49	-----	25.90	-----	47.59
WCW-5	11/01/2004	73.49	-----	26.09	-----	47.40
WCW-5	05/02/2005	73.49	-----	23.44	-----	50.05
WCW-5	05/01/2006	73.49	-----	22.85	-----	50.64

APPENDIX C

HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016

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	12/01/2006	73.49	-----	23.80	-----	49.69
WCW-5	04/30/2007	73.49	-----	23.56	-----	49.93
WCW-5	11/12/2007	73.49	-----	24.15	-----	49.34
WCW-5	04/14/2008	73.49	-----	24.20	-----	49.29
WCW-5	10/14/2008	73.49	-----	24.82	-----	48.67
WCW-5	04/20/2009	73.49	-----	24.97	-----	48.52
WCW-5	10/19/2009	73.49	-----	25.71	-----	47.78
WCW-5	01/12/2010	73.49	-----	26.53	-----	46.96
WCW-5	05/24/2010	73.49	-----	25.70	-----	47.79
WCW-5	05/28/2010	73.49	-----	25.65	-----	47.84
WCW-5	01/08/2011	73.49	-----	26.15	-----	47.34
WCW-5	04/08/2011	73.49	-----	25.32	-----	48.17
WCW-5	04/11/2011	73.49	-----	25.23	-----	48.26
WCW-5	07/07/2011	73.49	-----	24.85	-----	48.64
WCW-5	10/06/2011	73.49	-----	25.18	-----	48.31
WCW-5	04/16/2012	73.49	-----	25.92	-----	47.57
WCW-5	04/08/2013	73.49	-----	27.17	-----	46.32
WCW-5	10/07/2013	73.49	-----	28.62	-----	44.87
WCW-5	04/14/2014	73.49	-----	28.76	-----	44.73
WCW-5	10/27/2014	73.49	-----	29.51	-----	43.98
WCW-5	04/20/2015	73.49	-----	29.93	-----	43.56
WCW-5	10/19/2015	73.49	-----	30.77	-----	42.72
WCW-5	04/11/2016	73.49	-----	31.48	-----	42.01
WCW-5	10/3/2016	73.49	-----	32.20	-----	41.29
WCW-6	05/28/1996	75.52	-----	28.91	-----	46.61
WCW-6	11/20/1996	75.52	-----	29.55	-----	45.97
WCW-6	07/01/1997	75.52	-----	30.17	-----	45.35
WCW-6	12/31/1997	75.52	-----	29.46	-----	46.06
WCW-6	05/01/1998	75.52	-----	27.67	-----	47.85
WCW-6	05/04/1999	75.52	-----	27.38	-----	48.14
WCW-6	08/09/1999	75.52	-----	27.82	-----	47.70
WCW-6	11/15/1999	75.52	-----	27.90	-----	47.62
WCW-6	05/15/2000	75.52	-----	27.68	-----	47.84
WCW-6	11/13/2000	75.52	-----	28.67	-----	46.85
WCW-6	05/07/2001	75.52	-----	27.21	-----	48.31
WCW-6	04/08/2002	75.52	-----	27.52	-----	48.00
WCW-6	10/21/2002	75.52	-----	27.72	-----	47.80
WCW-6	04/07/2003	75.52	-----	27.63	-----	47.89
WCW-6	10/06/2003	75.52	-----	27.75	-----	47.77
WCW-6	05/10/2004	75.52	-----	28.35	-----	47.17
WCW-6	11/01/2004	75.52	-----	28.51	-----	47.01

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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	05/02/2005	75.52	-----	25.64	-----	49.88
WCW-6	05/01/2006	75.52	-----	25.10	-----	50.42
WCW-6	12/01/2006	75.52	-----	26.06	-----	49.46
WCW-6	04/30/2007	75.52	-----	25.79	-----	49.73
WCW-6	11/12/2007	75.52	-----	26.44	-----	49.08
WCW-6	04/14/2008	75.52	-----	26.41	-----	49.11
WCW-6	10/14/2008	75.52	-----	27.13	-----	48.39
WCW-6	04/20/2009	75.52	-----	27.40	-----	48.12
WCW-6	10/19/2009	75.52	-----	27.87	-----	47.65
WCW-6	01/12/2010	75.52	-----	28.24	-----	47.28
WCW-6	05/24/2010	75.52	-----	28.10	-----	47.42
WCW-6	05/28/2010	75.52	-----	28.02	-----	47.50
WCW-6	01/08/2011	75.52	-----	28.58	-----	46.94
WCW-6	04/08/2011	75.52	-----	27.55	-----	47.97
WCW-6	04/11/2011	75.52	-----	27.41	-----	48.11
WCW-6	07/07/2011	75.52	-----	27.19	-----	48.33
WCW-6	10/06/2011	75.52	-----	27.62	-----	47.90
WCW-6	10/10/2011	75.52	-----	27.33	-----	48.19
WCW-6	04/16/2012	75.52	-----	28.33	-----	47.19
WCW-6	04/08/2013	75.52	-----	29.59	-----	45.93
WCW-6	10/07/2013	75.52	-----	30.56	-----	44.96
WCW-6	04/14/2014	75.52	-----	31.12	-----	44.40
WCW-6	10/27/2014	75.52	-----	31.69	-----	43.83
WCW-6	04/20/2015	75.52	-----	32.08	-----	43.44
WCW-6	10/19/2015	75.52	-----	32.82	-----	42.70
WCW-6	04/11/2016	75.52	-----	33.53	-----	41.99
WCW-6	10/3/2016	75.52	-----	34.00	-----	41.52
WCW-7	05/28/1996	76.44	-----	28.91	-----	47.53
WCW-7	11/20/1996	76.44	-----	30.55	-----	45.89
WCW-7	07/01/1997	76.44	-----	31.50	-----	44.94
WCW-7	12/31/1997	76.44	-----	30.79	-----	45.65
WCW-7	05/01/1998	76.44	-----	28.81	-----	47.63
WCW-7	05/04/1999	76.44	-----	29.26	-----	47.18
WCW-7	08/09/1999	76.44	-----	29.75	-----	46.69
WCW-7	11/15/1999	76.44	-----	29.86	-----	46.58
WCW-7	05/15/2000	76.44	-----	29.02	-----	47.42
WCW-7	11/13/2000	76.44	-----	29.69	-----	46.75
WCW-7	02/05/2001	76.44	-----	29.10	-----	47.34
WCW-7	05/07/2001	76.44	-----	28.48	-----	47.96
WCW-7	09/18/2001	76.44	-----	28.18	-----	48.26
WCW-7	01/29/2002	76.44	-----	28.64	-----	47.80

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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	04/08/2002	76.44	-----	29.03	-----	47.41
WCW-7	07/29/2002	76.44	-----	28.94	-----	47.50
WCW-7	10/21/2002	76.44	-----	28.93	-----	47.51
WCW-7	01/27/2003	76.44	-----	28.70	-----	47.74
WCW-7	04/07/2003	76.44	-----	28.72	-----	47.72
WCW-7	07/31/2003	76.44	-----	28.67	-----	47.77
WCW-7	10/06/2003	76.44	-----	29.03	-----	47.41
WCW-7	01/27/2004	76.44	-----	28.98	-----	47.46
WCW-7	05/10/2004	76.44	-----	29.46	-----	46.98
WCW-7	07/19/2004	76.44	-----	30.18	-----	46.26
WCW-7	11/01/2004	76.44	-----	29.56	-----	46.88
WCW-7	02/01/2005	76.44	-----	28.76	-----	47.68
WCW-7	05/02/2005	76.44	-----	26.51	-----	49.93
WCW-7	08/01/2005	76.44	-----	25.72	-----	50.72
WCW-7	02/27/2006	76.44	-----	25.09	-----	51.35
WCW-7	05/01/2006	76.44	-----	26.41	-----	50.03
WCW-7	09/18/2006	76.44	-----	26.72	-----	49.72
WCW-7	12/01/2006	76.44	-----	27.13	-----	49.31
WCW-7	03/12/2007	76.44	-----	27.28	-----	49.16
WCW-7	04/30/2007	76.44	-----	26.96	-----	49.48
WCW-7	08/28/2007	76.44	-----	26.70	-----	49.74
WCW-7	11/12/2007	76.44	-----	27.67	-----	48.77
WCW-7	02/19/2008	76.44	-----	27.69	-----	48.75
WCW-7	04/14/2008	76.44	-----	27.56	-----	48.88
WCW-7	08/11/2008	76.44	-----	28.00	-----	48.44
WCW-7	10/16/2008	76.44	-----	28.53	-----	47.91
WCW-7	04/20/2009	76.44	-----	28.72	-----	47.72
WCW-7	07/20/2009	76.44	-----	28.94	-----	47.50
WCW-7	10/19/2009	76.44	-----	29.29	-----	47.15
WCW-7	01/12/2010	76.44	-----	29.94	-----	46.50
WCW-7	03/15/2010	76.44	-----	30.00	-----	46.44
WCW-7	05/24/2010	76.44	-----	29.75	-----	46.69
WCW-7	05/28/2010	76.44	-----	29.65	-----	46.79
WCW-7	10/04/2010	76.44	-----	29.53	-----	46.91
WCW-7	01/08/2011	76.44	-----	30.23	-----	46.21
WCW-7	01/10/2011	76.44	-----	29.87	-----	46.57
WCW-7	04/08/2011	76.44	-----	29.04	-----	47.40
WCW-7	04/11/2011	76.44	-----	28.90	-----	47.54
WCW-7	07/07/2011	76.44	-----	28.96	-----	47.48
WCW-7	07/11/2011	76.44	-----	28.74	-----	47.70
WCW-7	10/10/2011	76.44	-----	28.93	-----	47.51

APPENDIX C

HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016

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	01/09/2012	76.44	-----	29.35	-----	47.09
WCW-7	04/16/2012	76.44	-----	29.17	-----	47.27
WCW-7	07/09/2012	76.44	-----	28.34	-----	48.10
WCW-7	10/15/2012	76.44	-----	30.41	-----	46.03
WCW-7	01/14/2013	76.44	-----	30.88	-----	45.56
WCW-7	04/08/2013	76.44	-----	30.91	-----	45.53
WCW-7	10/07/2013	76.44	-----	32.25	-----	44.19
WCW-7	04/14/2014	76.44	-----	32.46	-----	43.98
WCW-7	10/27/2014	76.44	-----	32.88	-----	43.56
WCW-7	04/20/2015	76.44	-----	33.22	-----	43.22
WCW-7	10/19/2015	76.44	-----	34.05	-----	42.39
WCW-7	04/11/2016	76.44	-----	34.46	-----	41.98
WCW-7	10/3/2016	76.44	-----	34.22	-----	42.22
WCW-8	05/28/1996	77.34	-----	31.45	-----	45.89
WCW-8	11/20/1996	77.34	-----	31.59	-----	45.75
WCW-8	07/01/1997	77.34	-----	32.38	-----	44.96
WCW-8	12/31/1997	77.34	-----	31.81	-----	45.53
WCW-8	05/01/1998	77.34	-----	30.04	-----	47.30
WCW-8	05/04/1999	77.34	-----	30.21	-----	47.13
WCW-8	08/09/1999	77.34	-----	30.49	-----	46.85
WCW-8	11/15/1999	77.34	-----	30.81	-----	46.53
WCW-8	05/15/2000	77.34	-----	29.88	-----	47.46
WCW-8	08/28/2000	77.34	-----	30.23	-----	47.11
WCW-8	11/13/2000	77.34	-----	30.26	-----	47.08
WCW-8	02/05/2001	77.34	-----	30.01	-----	47.33
WCW-8	05/07/2001	77.34	-----	29.42	-----	47.92
WCW-8	09/18/2001	77.34	-----	29.11	-----	48.23
WCW-8	01/29/2002	77.34	-----	29.45	-----	47.89
WCW-8	04/08/2002	77.34	-----	29.77	-----	47.57
WCW-8	10/21/2002	77.34	-----	29.84	-----	47.50
WCW-8	04/07/2003	77.34	-----	29.71	-----	47.63
WCW-8	10/06/2003	77.34	-----	29.75	-----	47.59
WCW-8	05/10/2004	77.34	-----	29.99	-----	47.35
WCW-8	11/01/2004	77.34	-----	30.36	-----	46.98
WCW-8	05/02/2005	77.34	-----	27.42	-----	49.92
WCW-8	05/01/2006	77.34	-----	27.18	-----	50.16
WCW-8	12/01/2006	77.34	-----	27.91	-----	49.43
WCW-8	04/30/2007	77.34	-----	27.82	-----	49.52
WCW-8	11/12/2007	77.34	-----	28.62	-----	48.72
WCW-8	04/14/2008	77.34	-----	28.53	-----	48.81
WCW-8	10/16/2008	77.34	-----	29.52	-----	47.82

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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	04/20/2009	77.34	-----	29.40	-----	47.94
WCW-8	10/19/2009	77.34	-----	30.10	-----	47.24
WCW-8	01/12/2010	77.34	-----	31.30	-----	46.04
WCW-8	05/24/2010	77.34	-----	30.75	-----	46.59
WCW-8	05/28/2010	77.34	-----	30.74	-----	46.60
WCW-8	01/08/2011	77.34	-----	31.27	-----	46.07
WCW-8	04/08/2011	77.34	-----	30.15	-----	47.19
WCW-8	04/11/2011	77.34	-----	30.03	-----	47.31
WCW-8	07/07/2011	77.34	-----	30.07	-----	47.27
WCW-8	10/06/2011	77.34	-----	30.27	-----	47.07
WCW-8	04/16/2012	77.34	-----	30.76	-----	46.58
WCW-8	04/08/2013	77.34	-----	31.62	-----	45.72
WCW-8	10/07/2013	77.34	-----	32.42	-----	44.92
WCW-8	04/14/2014	77.34	-----	33.53	-----	43.81
WCW-8	10/27/2014	77.34	-----	33.75	-----	43.59
WCW-8	04/20/2015	77.34	-----	34.05	-----	43.29
WCW-8	10/19/2015	77.34	-----	34.78	-----	42.56
WCW-8	04/11/2016	77.34	-----	35.17	-----	42.17
WCW-8	10/3/2016	77.34	-----	35.70	-----	41.64
WCW-9	05/28/1996	77.74	-----	31.98	-----	45.76
WCW-9	11/20/1996	77.74	-----	32.13	-----	45.61
WCW-9	07/01/1997	77.74	-----	32.47	-----	45.27
WCW-9	12/31/1997	77.74	-----	32.22	-----	45.52
WCW-9	05/01/1998	77.74	-----	30.75	-----	46.99
WCW-9	05/04/1999	77.74	-----	30.16	-----	47.58
WCW-9	08/09/1999	77.74	-----	30.44	-----	47.30
WCW-9	11/15/1999	77.74	-----	30.79	-----	46.95
WCW-9	05/15/2000	77.74	-----	30.32	-----	47.42
WCW-9	11/13/2000	77.74	-----	30.59	-----	47.15
WCW-9	05/07/2001	77.74	-----	29.92	-----	47.82
WCW-9	04/08/2002	77.74	-----	30.07	-----	47.67
WCW-9	10/21/2002	77.74	-----	30.36	-----	47.38
WCW-9	04/07/2003	77.74	-----	30.23	-----	47.51
WCW-9	10/06/2003	77.74	-----	30.20	-----	47.54
WCW-9	05/10/2004	77.74	-----	30.35	-----	47.39
WCW-9	11/01/2004	77.74	-----	30.77	-----	46.97
WCW-9	05/02/2005	77.74	-----	27.80	-----	49.94
WCW-9	05/01/2006	77.74	-----	27.61	-----	50.13
WCW-9	12/01/2006	77.74	-----	28.54	-----	49.20
WCW-9	04/30/2007	77.74	-----	28.36	-----	49.38
WCW-9	11/12/2007	77.74	-----	29.24	-----	48.50

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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	04/14/2008	77.74	-----	29.11	-----	48.63
WCW-9	10/16/2008	77.74	-----	29.98	-----	47.76
WCW-9	04/20/2009	77.74	-----	29.96	-----	47.78
WCW-9	05/24/2010	77.74	-----	31.02	-----	46.72
WCW-9	05/28/2010	77.74	-----	31.00	-----	46.74
WCW-9	10/01/2010	77.74	-----	31.00	-----	46.74
WCW-9	01/08/2011	77.74	-----	31.37	-----	46.37
WCW-9	04/11/2011	77.74	-----	30.68	-----	47.06
WCW-9	04/12/2011	77.74	-----	30.78	-----	46.96
WCW-9	07/07/2011	77.74	-----	30.66	-----	47.08
WCW-9	10/06/2011	77.74	-----	30.82	-----	46.92
WCW-9	04/16/2012	77.74	-----	31.15	-----	46.59
WCW-9	04/08/2013	77.74	-----	31.73	-----	46.01
WCW-9	10/07/2013	77.74	-----	33.04	-----	44.70
WCW-9	04/14/2014	77.74	-----	33.24	-----	44.50
WCW-9	10/27/2014	77.74	-----	34.10	-----	43.64
WCW-9	04/20/2015	77.74	-----	33.92	-----	43.82
WCW-9	10/19/2015	77.74	-----	34.91	-----	42.83
WCW-9	04/11/2016	77.74	-----	35.52	-----	42.22
WCW-9	10/3/2016	77.74	-----	35.29	-----	42.45
WCW-10	05/28/1996	74.06	-----	27.71	-----	46.35
WCW-10	11/20/1996	74.06	-----	27.61	-----	46.45
WCW-10	07/01/1997	74.06	-----	27.23	-----	46.83
WCW-10	12/31/1997	74.06	-----	27.21	-----	46.85
WCW-10	05/01/1998	74.06	-----	23.22	-----	50.84
WCW-10	05/04/1999	74.06	-----	24.52	-----	49.54
WCW-10	08/09/1999	74.06	-----	24.63	-----	49.43
WCW-10	11/15/1999	74.06	-----	24.89	-----	49.17
WCW-10	05/15/2000	74.06	-----	25.50	-----	48.56
WCW-10	11/13/2000	74.06	-----	25.18	-----	48.88
WCW-10	05/07/2001	74.06	-----	24.66	-----	49.40
WCW-10	04/08/2002	74.06	-----	24.71	-----	49.35
WCW-10	10/21/2002	74.06	-----	25.20	-----	48.86
WCW-10	04/07/2003	74.06	-----	25.23	-----	48.83
WCW-10	05/10/2004	74.06	-----	25.41	-----	48.65
WCW-10	11/01/2004	74.06	-----	25.66	-----	48.40
WCW-10	05/02/2005	74.06	-----	23.47	-----	50.59
WCW-10	05/01/2006	74.06	-----	23.17	-----	50.89
WCW-10	04/30/2007	74.06	-----	23.74	-----	50.32
WCW-10	11/12/2007	74.06	-----	24.41	-----	49.65
WCW-10	10/14/2008	74.06	-----	24.95	-----	49.11

APPENDIX C

HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016

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	04/20/2009	74.06	-----	24.90	-----	49.16
WCW-10	01/12/2010	74.06	-----	26.40	-----	47.66
WCW-10	05/24/2010	74.06	-----	25.70	-----	48.36
WCW-10	05/28/2010	74.06	-----	25.67	-----	48.39
WCW-10	10/01/2010	74.06	-----	25.86	-----	48.20
WCW-10	01/08/2011	74.06	-----	25.92	-----	48.14
WCW-10	04/08/2011	74.06	-----	25.62	-----	48.44
WCW-10	04/11/2011	74.06	-----	25.55	-----	48.51
WCW-10	07/07/2011	74.06	-----	25.40	-----	48.66
WCW-10	10/06/2011	74.06	-----	25.41	-----	48.65
WCW-10	04/16/2012	74.06	-----	25.80	-----	48.26
WCW-10	04/08/2013	74.06	-----	26.73	-----	47.33
WCW-10	10/07/2013	74.06	-----	28.01	-----	46.05
WCW-10	04/14/2014	74.06	-----	28.00	-----	46.06
WCW-10	10/27/2014	74.06	-----	28.45	-----	45.61
WCW-10	04/20/2015	74.06	-----	29.17	-----	44.89
WCW-10	10/19/2015	74.06	-----	30.00	-----	44.06
WCW-10	04/11/2016	74.06	-----	30.79	-----	43.27
WCW-10	10/3/2016	74.06	-----	31.81	-----	42.25
WCW-11	05/28/1996	75.29	-----	29.30	-----	45.99
WCW-11	11/20/1996	75.29	-----	29.24	-----	46.05
WCW-11	07/01/1997	75.29	-----	28.91	-----	46.38
WCW-11	12/31/1997	75.29	-----	29.14	-----	46.15
WCW-11	05/01/1998	75.29	-----	26.04	-----	49.25
WCW-11	05/04/1999	75.29	-----	26.63	-----	48.66
WCW-11	08/09/1999	75.29	-----	26.30	-----	48.99
WCW-11	11/15/1999	75.29	-----	26.55	-----	48.74
WCW-11	05/15/2000	75.29	-----	26.91	-----	48.38
WCW-11	11/13/2000	75.29	-----	26.77	-----	48.52
WCW-11	05/07/2001	75.29	-----	26.65	-----	48.64
WCW-11	04/08/2002	75.29	-----	26.45	-----	48.84
WCW-11	10/21/2002	75.29	-----	26.72	-----	48.57
WCW-11	04/07/2003	75.29	-----	26.78	-----	48.51
WCW-11	05/10/2004	75.29	-----	26.89	-----	48.40
WCW-11	11/01/2004	75.29	-----	27.22	-----	48.07
WCW-11	05/02/2005	75.29	-----	25.23	-----	50.06
WCW-11	05/01/2006	75.29	-----	24.45	-----	50.84
WCW-11	04/30/2007	75.29	-----	25.18	-----	50.11
WCW-11	11/12/2007	75.29	-----	25.97	-----	49.32
WCW-11	10/16/2008	75.29	-----	26.61	-----	48.68
WCW-11	04/20/2009	75.29	-----	26.62	-----	48.67

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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-11	01/12/2010	75.29	-----	27.83	-----	47.46
WCW-11	05/24/2010	75.29	-----	27.77	-----	47.52
WCW-11	05/28/2010	75.29	-----	27.46	-----	47.83
WCW-11	10/01/2010	75.29	-----	27.65	-----	47.64
WCW-11	01/08/2011	75.29	-----	27.67	-----	47.62
WCW-11	04/08/2011	75.29	-----	27.39	-----	47.90
WCW-11	04/11/2011	75.29	-----	27.43	-----	47.86
WCW-11	07/07/2011	75.29	27.18	27.19	0.01	NC
WCW-11	10/06/2011	75.29	-----	27.11	-----	48.18
WCW-11	04/16/2012	75.29	-----	27.56	-----	47.73
WCW-11	04/08/2013	75.29	-----	26.91	-----	48.38
WCW-11	10/07/2013	75.29	-----	29.54	-----	45.75
WCW-11	04/14/2014	75.29	-----	29.79	-----	45.50
WCW-11	10/27/2014	75.29	-----	30.61	-----	44.68
WCW-11	04/20/2015	75.29	-----	31.19	-----	44.10
WCW-11	10/19/2015	75.29	-----	32.02	-----	43.27
WCW-11	04/11/2016	75.29	-----	32.67	-----	42.62
WCW-11	10/3/2016	75.29	-----	33.31	-----	41.98
WCW-12	05/28/1996	76.27	-----	30.94	-----	45.33
WCW-12	11/20/1996	76.27	-----	30.89	-----	45.38
WCW-12	07/01/1997	76.27	-----	30.34	-----	45.93
WCW-12	12/31/1997	76.27	-----	30.59	-----	45.68
WCW-12	05/01/1998	76.27	-----	29.31	-----	46.96
WCW-12	05/04/1999	76.27	-----	27.63	-----	48.64
WCW-12	08/09/1999	76.27	-----	27.81	-----	48.46
WCW-12	11/15/1999	76.27	-----	28.20	-----	48.07
WCW-12	05/15/2000	76.27	-----	28.17	-----	48.10
WCW-12	11/13/2000	76.27	-----	28.21	-----	48.06
WCW-12	05/07/2001	76.27	-----	27.79	-----	48.48
WCW-12	04/08/2002	76.27	-----	27.70	-----	48.57
WCW-12	10/21/2002	76.27	-----	28.24	-----	48.03
WCW-12	04/07/2003	76.27	-----	28.23	-----	48.04
WCW-12	05/10/2004	76.27	-----	28.34	-----	47.93
WCW-12	11/01/2004	76.27	-----	28.74	-----	47.53
WCW-12	05/02/2005	76.27	-----	26.61	-----	49.66
WCW-12	05/01/2006	76.27	-----	25.95	-----	50.32
WCW-12	12/01/2006	76.27	-----	26.39	-----	49.88
WCW-12	04/30/2007	76.27	-----	26.39	-----	49.88
WCW-12	11/12/2007	76.27	-----	27.15	-----	49.12
WCW-12	04/14/2008	76.27	-----	27.14	-----	49.13
WCW-12	10/16/2008	76.27	-----	27.93	-----	48.34

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	04/20/2009	76.27	-----	27.82	-----	48.45
WCW-12	10/19/2009	76.27	-----	28.52	-----	47.75
WCW-12	01/12/2010	76.27	-----	29.04	-----	47.23
WCW-12	05/24/2010	76.27	-----	28.90	-----	47.37
WCW-12	05/28/2010	76.27	-----	28.90	-----	47.37
WCW-12	01/08/2011	76.27	-----	29.16	-----	47.11
WCW-12	04/08/2011	76.27	-----	28.79	-----	47.48
WCW-12	04/11/2011	76.27	-----	28.70	-----	47.57
WCW-12	07/07/2011	76.27	-----	28.60	-----	47.67
WCW-12	10/06/2011	76.27	-----	28.55	-----	47.72
WCW-12	04/16/2012	76.27	-----	29.05	-----	47.22
WCW-12	04/08/2013	76.27	-----	29.98	-----	46.29
WCW-12	10/07/2013	76.27	-----	31.13	-----	45.14
WCW-12	04/14/2014	76.27	-----	31.30	-----	44.97
WCW-12	04/14/2014	76.27	-----	31.30	-----	44.97
WCW-12	04/20/2015	76.27	-----	32.62	-----	43.65
WCW-12	10/19/2015	76.27	-----	33.32	-----	42.95
WCW-12	04/11/2016	76.27	-----	34.06	-----	42.21
WCW-12	10/3/2016	76.27	-----	34.60	-----	41.67
WCW-13	05/28/1996	77.70	-----	32.61	-----	45.09
WCW-13	11/20/1996	77.70	-----	32.51	-----	45.19
WCW-13	07/01/1997	77.70	-----	32.44	-----	45.26
WCW-13	12/31/1997	77.70	-----	32.24	-----	45.46
WCW-13	05/01/1998	77.70	-----	30.90	-----	46.80
WCW-13	05/04/1999	77.70	-----	29.39	-----	48.31
WCW-13	08/09/1999	77.70	-----	30.82	-----	46.88
WCW-13	11/15/1999	77.70	-----	29.96	-----	47.74
WCW-13	05/15/2000	77.70	-----	29.83	-----	47.87
WCW-13	08/28/2000	77.70	-----	29.92	-----	47.78
WCW-13	11/13/2000	77.70	-----	29.96	-----	47.74
WCW-13	02/05/2001	77.70	-----	30.15	-----	47.55
WCW-13	05/07/2001	77.70	-----	29.80	-----	47.90
WCW-13	09/18/2001	77.70	-----	29.25	-----	48.45
WCW-13	01/29/2002	77.70	-----	29.40	-----	48.30
WCW-13	04/08/2002	77.70	-----	29.51	-----	48.19
WCW-13	07/29/2002	77.70	-----	29.71	-----	47.99
WCW-13	10/21/2002	77.70	-----	29.94	-----	47.76
WCW-13	01/27/2003	77.70	-----	30.00	-----	47.70
WCW-13	04/07/2003	77.70	-----	30.02	-----	47.68
WCW-13	07/31/2003	77.70	-----	29.80	-----	47.90
WCW-13	01/27/2004	77.70	-----	30.01	-----	47.69

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016
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	05/10/2004	77.70	-----	30.10	-----	47.60
WCW-13	07/19/2004	77.70	-----	29.22	-----	48.48
WCW-13	11/01/2004	77.70	-----	30.44	-----	47.26
WCW-13	02/01/2005	77.70	-----	30.15	-----	47.55
WCW-13	05/02/2005	77.70	-----	28.35	-----	49.35
WCW-13	08/01/2005	77.70	-----	27.66	-----	50.04
WCW-13	02/27/2006	77.70	-----	27.46	-----	50.24
WCW-13	05/01/2006	77.70	-----	27.57	-----	50.13
WCW-13	09/18/2006	77.70	-----	27.66	-----	50.04
WCW-13	12/01/2006	77.70	-----	28.10	-----	49.60
WCW-13	03/12/2007	77.70	-----	28.00	-----	49.70
WCW-13	04/30/2007	77.70	-----	28.06	-----	49.64
WCW-13	08/28/2007	77.70	-----	28.31	-----	49.39
WCW-13	11/12/2007	77.70	-----	28.79	-----	48.91
WCW-13	02/19/2008	77.70	-----	28.80	-----	48.90
WCW-13	04/14/2008	77.70	-----	28.78	-----	48.92
WCW-13	08/11/2008	77.70	-----	29.12	-----	48.58
WCW-13	10/16/2008	77.70	-----	29.62	-----	48.08
WCW-13	04/20/2009	77.70	-----	29.61	-----	48.09
WCW-13	07/20/2009	77.70	-----	30.20	-----	47.50
WCW-13	10/19/2009	77.70	-----	30.26	-----	47.44
WCW-13	01/12/2010	77.70	-----	31.56	-----	46.14
WCW-13	03/15/2010	77.70	-----	31.34	-----	46.36
WCW-13	05/24/2010	77.70	-----	30.65	-----	47.05
WCW-13	05/28/2010	77.70	-----	30.68	-----	47.02
WCW-13	10/04/2010	77.70	-----	30.61	-----	47.09
WCW-13	01/08/2011	77.70	-----	31.00	-----	46.70
WCW-13	01/10/2011	77.70	-----	30.96	-----	46.74
WCW-13	04/08/2011	77.70	-----	29.59	-----	48.11
WCW-13	04/11/2011	77.70	-----	30.52	-----	47.18
WCW-13	07/07/2011	77.70	-----	30.42	-----	47.28
WCW-13	07/11/2011	77.70	-----	30.24	-----	47.46
WCW-13	10/10/2011	77.70	-----	30.30	-----	47.40
WCW-13	01/09/2012	77.70	-----	30.24	-----	47.46
WCW-13	04/16/2012	77.70	-----	30.81	-----	46.89
WCW-13	07/09/2012	77.70	-----	31.05	-----	46.65
WCW-13	10/15/2012	77.70	-----	31.38	-----	46.32
WCW-13	01/14/2013	77.70	-----	31.54	-----	46.16
WCW-13	04/08/2013	77.70	-----	31.67	-----	46.03
WCW-13	10/07/2013	77.70	-----	32.66	-----	45.04
WCW-13	04/14/2014	77.70	-----	32.94	-----	44.76

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016

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	10/27/2014	77.70	-----	33.67	-----	44.03
WCW-13	04/20/2015	77.70	-----	34.10	-----	43.60
WCW-13	10/19/2015	77.70	-----	34.75	-----	42.95
WCW-13	04/11/2016	77.70	-----	35.32	-----	42.38
WCW-13	10/3/2016	77.70	-----	36.03	-----	41.67
WCW-14	05/03/1999	78.81	-----	30.67	-----	48.14
WCW-14	08/09/1999	78.81	-----	30.83	-----	47.98
WCW-14	11/15/1999	78.81	-----	31.19	-----	47.62
WCW-14	05/15/2000	78.81	-----	31.02	-----	47.79
WCW-14	11/13/2000	78.81	-----	31.26	-----	47.55
WCW-14	05/07/2001	78.81	-----	30.85	-----	47.96
WCW-14	04/08/2002	78.81	-----	30.71	-----	48.10
WCW-14	10/21/2002	78.81	-----	31.07	-----	47.74
WCW-14	04/07/2003	78.81	-----	31.11	-----	47.70
WCW-14	05/10/2004	78.81	-----	31.29	-----	47.52
WCW-14	11/01/2004	78.81	-----	31.59	-----	47.22
WCW-14	05/02/2005	78.81	-----	29.38	-----	49.43
WCW-14	05/01/2006	78.81	-----	28.59	-----	50.22
WCW-14	12/01/2006	78.81	-----	29.22	-----	49.59
WCW-14	04/30/2007	78.81	-----	29.16	-----	49.65
WCW-14	11/12/2007	78.81	-----	29.90	-----	48.91
WCW-14	04/14/2008	78.81	-----	29.85	-----	48.96
WCW-14	10/16/2008	78.81	-----	30.74	-----	48.07
WCW-14	04/20/2009	78.81	-----	30.83	-----	47.98
WCW-14	10/19/2009	78.81	-----	31.32	-----	47.49
WCW-14	01/12/2010	78.81	-----	32.24	-----	46.57
WCW-14	05/24/2010	78.81	-----	31.87	-----	46.94
WCW-14	05/28/2010	78.81	-----	31.84	-----	46.97
WCW-14	01/08/2011	78.81	-----	32.13	-----	46.68
WCW-14	04/08/2011	78.81	-----	31.57	-----	47.24
WCW-14	04/11/2011	78.81	-----	31.66	-----	47.15
WCW-14	07/07/2011	78.81	-----	31.60	-----	47.21
WCW-14	10/06/2011	78.81	-----	31.57	-----	47.24
WCW-14	04/16/2012	78.81	-----	31.97	-----	46.84
WCW-14	04/08/2013	78.81	-----	32.71	-----	46.10
WCW-14	10/07/2013	78.81	-----	33.41	-----	45.40
WCW-14	04/14/2014	78.81	-----	34.01	-----	44.80
WCW-14	10/27/2014	78.81	-----	34.67	-----	44.14
WCW-14	04/20/2015	78.81	-----	35.09	-----	43.72
WCW-14	10/19/2015	78.81	-----	35.71	-----	43.10
WCW-14	04/11/2016	78.81	-----	36.22	-----	42.59

APPENDIX C

HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2016

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	10/3/2016	78.81	-----	36.70	-----	42.11

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
NC = not calculated due to presence of product in well

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, AND TAME IN GROUNDWATER – NOVEMBER 1996 THROUGH OCTOBER 2016

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016
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 2016

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 2016
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-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	-----	-----	-----	-----
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	-----	-----	-----	-----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016
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	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	-----	-----	-----	-----
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	<2
EXP-2	05/25/10	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 2016

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	07/12/10	Blaine Tech	<50	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	10/04/10	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	-----	-----	-----
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	<1
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	<2
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	<2.0
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	<1.0
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	<1.0
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
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-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	<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	-----	-----	-----	-----

The Source Group, Inc.

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016

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	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	-----	-----	-----	-----
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

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016
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	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	<2
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
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

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016

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	04/12/16	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-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	**1.7**	<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	-----	-----	-----	-----
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-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**	-----	-----	-----	-----

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016

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	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	-----	-----	-----	-----
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

The Source Group, Inc.

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016

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	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
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
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	<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**	-----	-----	-----	-----
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**	-----	-----	-----	-----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016
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	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**	**1.2**	**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	-----	-----	-----	-----
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	-----	-----	-----	-----

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-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	**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	-----	-----	-----	-----
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

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016
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	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**	**22**	<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-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	-----	-----	-----	-----
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**	-----	-----	-----	-----

The Source Group, Inc.

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016

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	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-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-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	-----	-----	-----	-----
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

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016

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	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-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-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
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

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016

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	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
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-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

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016
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	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
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-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-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	-----	-----	-----	-----	-----	-----

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016

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	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-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	-----	-----	-----	-----	-----	-----
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	-----	-----	-----	-----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016
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	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-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
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	**29**	<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-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**	-----	-----	-----	-----

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016

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-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-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**	-----	-----	-----	-----
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	<1.5	<0.50	**17**	<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 2016
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-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	<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-21	11/03/14	SGI	**1,500**	**2,500**	**11**	**1.6**	**31**	**165**	<0.50	**3.8**	24	<2.0	<2.0	<2.0
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	<2.0
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
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-22	10/04/10	Blaine Tech	**4,100**	-----	**1,900**	<10	**55**	**38**	<20	**47**	**1,300**	**50**	<20	<20
GMW-22	10/14/11	CH2M Hill	**28,000**	-----	**13,000**	<100	**470**	**200**	<200	**130**	<2,000	<200	<200	<200
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**	<30	<15	**360**	**46**	<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-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	<200
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-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

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016
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	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-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
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

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	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-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-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	<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
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	<1.0	<0.50	<2.0	<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	-----	-----	-----	-----	-----	-----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016
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	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
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	**0.80**	-----	-----	-----	-----
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**	-----	-----	-----	-----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016
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-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-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**	-----	-----	-----	-----
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

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016
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	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	04/16/16	BT for CH2MHill	**16,000**	**13,000**	**660**	<10	**170**	**1,700**	<20	**540**	**1,400**	<20	<20	<20
GMW-37	11/25/96	Terra Services	-----	-----	<0.50	<0.50	<0.50	<1.5	<0.50	<5	-----	-----	-----	-----
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	-----	-----	-----	-----

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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-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-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	-----	-----	-----	-----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016
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	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
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-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	-----	-----	-----	-----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016
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	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**	-----	-----	-----	-----
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-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	-----	-----	-----	-----

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	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**	-----	-----	-----	-----
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	<1.0	<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

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	10/06/10	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
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	<1.0	<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	<1.0	<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-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	<1.0	<0.50	<2.0	<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	<1	<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	-----	-----	-----	-----
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

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016

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	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	<1.0	<0.50	<2.0	<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
GMW-44	10/21/09	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
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	<1.0	<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-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**	**930**	-----	-----	-----	-----	-----	-----
GMW-45	01/06/98	GTI	**3,200**	**3,400**	**286**	**1.3**	**188**	**543**	-----	-----	-----	-----	-----	-----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016
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	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
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-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

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016

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	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
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-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	<1.2	**44**	<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-50	01/10/12	Parsons	-----	-----	**48**	<0.50	**0.24 J**	**2.5**	<0.50	**0.47 J**	**9.6 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 2016
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-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
GWM-54	04/22/15	SGI	<100	**1,800**	<0.50	<0.50	<0.50	<1.0	<0.50	**2.3**	<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	-----	-----	-----	-----
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-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

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016

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	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
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	**0.99**	<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-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
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

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016
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	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-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
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

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	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**	**11**	<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**	**0.24 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**	**0.30**	<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	<5.0	<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-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
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

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016
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	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-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
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	<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

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016
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	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-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	<20
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-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
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-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

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	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-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-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-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-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

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016

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-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-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	-----	-----	-----	-----
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

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016

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	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-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	-----	-----	-----	-----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016
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	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
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-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	-----	-----	-----	-----

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016

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	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	-----	-----	-----	-----
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

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016

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	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-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	-----	-----	-----	-----
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 (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	-----	-----	-----	-----	-----

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)	05/17/00	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	-----	-----	-----	-----
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	-----	-----	-----	-----

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016

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	11/04/04	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	-----	-----	-----	-----
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-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	-----	-----	-----	-----
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	-----	-----	-----	-----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016
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	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
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

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016

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	10/10/13	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-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
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

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-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-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**	-----	-----	-----	-----
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	-----	-----	-----

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016

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	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-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	1.9
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
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

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016
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-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-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**	-----	-----	-----	-----
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

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016
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	11/16/10	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
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-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	-----	-----	-----	-----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016
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	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
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

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016
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	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
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-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	<0.50	**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

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	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
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-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-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
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

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016

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-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-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-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**	-----	-----	-----	-----
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	-----	-----	-----	-----

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016

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	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-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**	-----	-----	-----	-----
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

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016
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	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-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
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**	**15.2**	**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**	**14.8**	**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-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	<1.0	**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-3	04/11/03	GTI	-----	-----	<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

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016
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	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
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-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

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016

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	10/27/14	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	<1.0	<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-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	<1.0	<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	<1.0	<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-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	<1.0	<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-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-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
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
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

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016

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-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-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**	**25.8**	<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
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**	-----	-----	-----	-----
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-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**	-----	-----	-----	-----

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016

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	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**	-----	-----	-----	-----
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-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

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016
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	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-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**	-----	-----	-----	-----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016
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	04/17/08	Secor	<50	-----	<0.50	<0.50	<0.50	<0.50	**2.2**	**2.7**	-----	-----	-----	-----
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	**0.99**	**1.9**	**5.7**	<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-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	<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
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

The Source Group, Inc.

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	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-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	-----	-----	-----	-----
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

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016
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	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-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	<50	<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
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-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	-----	-----	-----	-----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016
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-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	-----	-----	-----	-----
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

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016

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	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-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**	-----	-----	-----	-----
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-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	<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**	-----	-----	-----	-----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016
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	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**	-----	-----	-----	-----
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

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016

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	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-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	-----	-----	-----	-----
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	<5.0	<2.5	<50	<5.0	<5.0	<5.0
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	-----	-----	-----	-----

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016

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	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	-----	-----	-----	-----
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-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	<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
MW-17	04/16/10	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 2016
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	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-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	**11**	<20	**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-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**	-----	-----	-----	-----
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	**6.5**	**490**	-----	-----	-----	-----
MW-19 (MID)	09/19/01	Secor	<300	-----	<2.5	<2.5	<2.5	<2.5	**8.2**	**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	-----	-----	-----	-----

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016

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)	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-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	-----	-----	-----	-----
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

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016

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)	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-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
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-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**	-----	-----	-----	-----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016
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)	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
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	<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-23 (MID)	11/21/96	GSI	1,400	<500	62	<0.50	18	3.5	0.60	-----	-----	-----	-----	-----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016
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)	07/09/97	GTI	-----	-----	**160**	<1	**21**	**26**	-----	-----	-----	-----	-----	-----
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	-----	-----	-----	-----	-----	-----
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

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016
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	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
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-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
MW-25	04/22/09	BT for Parsons	-----	-----	<0.50	<0.50	<0.50	<0.50	**8.3**	**2.9**	<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 2016
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	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-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
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	-----	-----	-----	-----

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	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-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	<1.0	<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 2016
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-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-O-1	10/08/10	Blaine Tech	32,000	-----	3,700	1,700	1,100	1,800	<50	60	<500	<50	<50	<50
MW-O-1	04/13/11	Blaine Tech	14,000	-----	1,900	370	400	2,400	<20	13	<200	<20	<20	<20
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
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-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

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016
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-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-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
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	430	<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-5	10/08/10	Blaine Tech	540	-----	110	1.1	<1	<1	<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-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	-----	-----	-----	-----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016
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	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
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-14	10/08/10	Blaine Tech	**30,000**	-----	**10,000**	**300**	**900**	**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	<1	<1
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-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	-----	-----	-----	-----
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**	-----	-----	-----	-----

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016

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	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-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	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
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	**8.8**	<0.50	-----	-----	-----	-----
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	-----	-----	-----	-----

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016

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	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
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

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016

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	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
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-3	04/22/04	BT for Parsons	-----	-----	**6,300**	<1500	**4,100**	**24,000**	-----	<25000	-----	-----	-----	-----
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	-----	-----	-----
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-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**	-----	-----	-----	-----

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016

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	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
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

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016

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-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-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**	-----	-----	-----	-----
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**	-----	-----	-----	-----

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016

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-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
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-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	<2	<2
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	<2	<2
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-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
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

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016
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-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-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	-----	-----	-----	-----
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-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
TF-24	04/29/15	SGI	<100	**1,900**	<0.50	<0.50	<0.50	<1.0	<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
WCW-1	11/25/96	GSI	<50	<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	-----	-----	-----	-----

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016

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-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	-----	-----	-----	-----
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

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016

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	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-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	-----	-----	-----	-----
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	-----	-----	-----	-----

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	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
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-4	11/22/96	GSI	<50	<500	<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

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016

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	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
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-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

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016

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	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-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	Blaine Tech for	<100	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-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
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	Blaine Tech for	<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-7	11/22/96	GSI	<50	<500	<0.50	<0.50	<0.50	<1.5	**31**	<5	-----	-----	-----	-----
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	-----	-----	-----	-----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016
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	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	Blaine Tech for AMEC	<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
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

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016

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	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-8	11/22/96	GSI	**84**	<500	<0.50	<0.50	<0.50	<1.5	**0.50**	<5	-----	-----	-----	-----
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	Blaine Tech for AMEC	<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
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

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016

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	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-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	**1.1**	<0.50	<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	-----	-----	-----	-----
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	-----	-----	-----	-----

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016

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	11/03/04	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-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	-----	-----	-----	-----
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

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016

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	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
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-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	-----	-----	-----	-----

APPENDIX D
HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2016
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	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

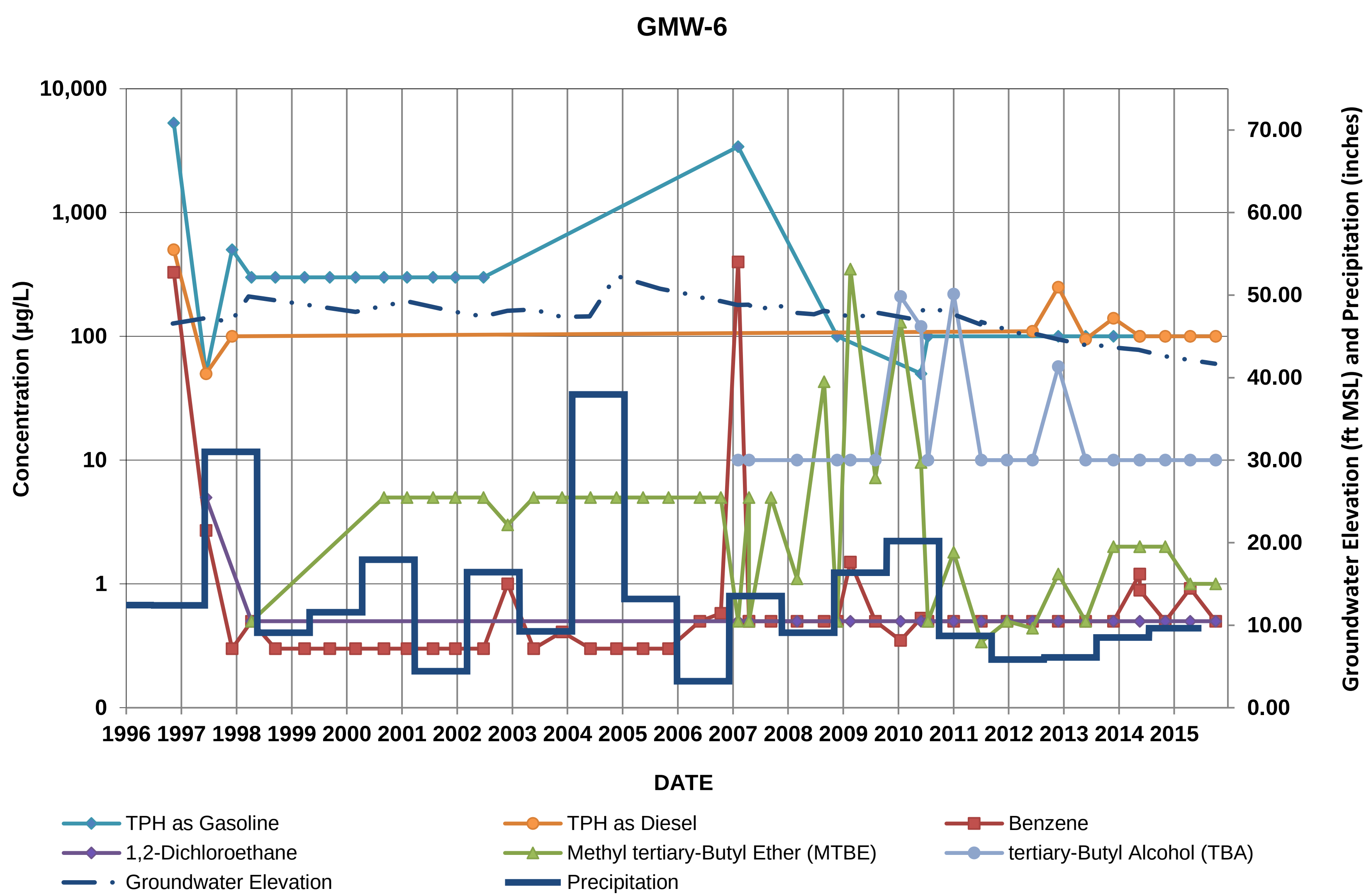
Notes:
Detected concentrations are shown in **bold**.
TPH = total petroleum hydrocarbons
BTEX Compounds = benzene, toluene, ethylbenzene, and total xylenes
1,2-DCA = 1,2-dichloroethane
TPH-g = total petroleum hydrocarbons as gasoline
TPH-fp = total petroleum hydrocarbons quantified using a site fuel 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

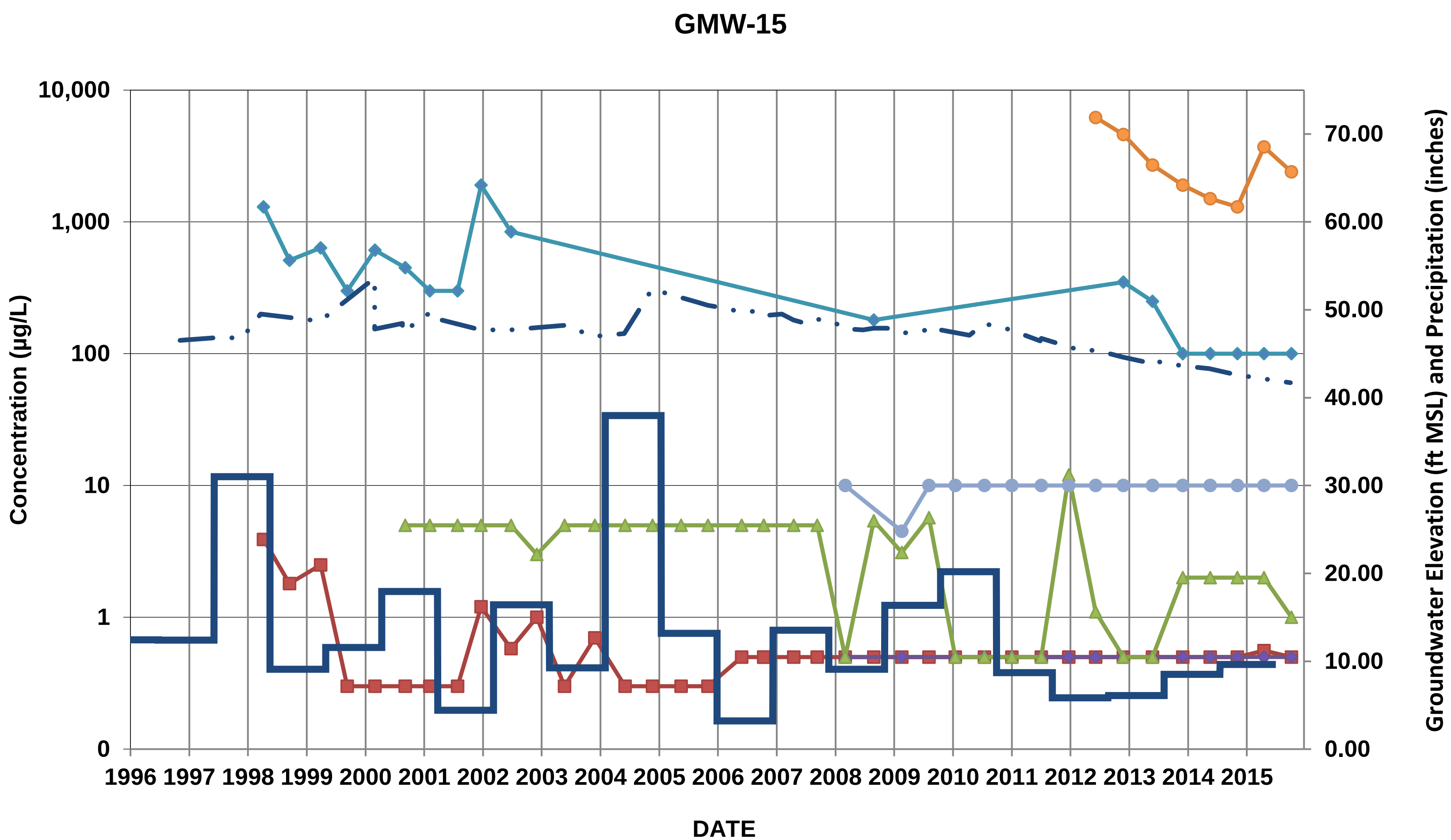
FORMER TANK FARM AREA

GMW-6, GMW-15, GMW-32, GMW-45, GMW-47, MW-23(MID), AND MW-26



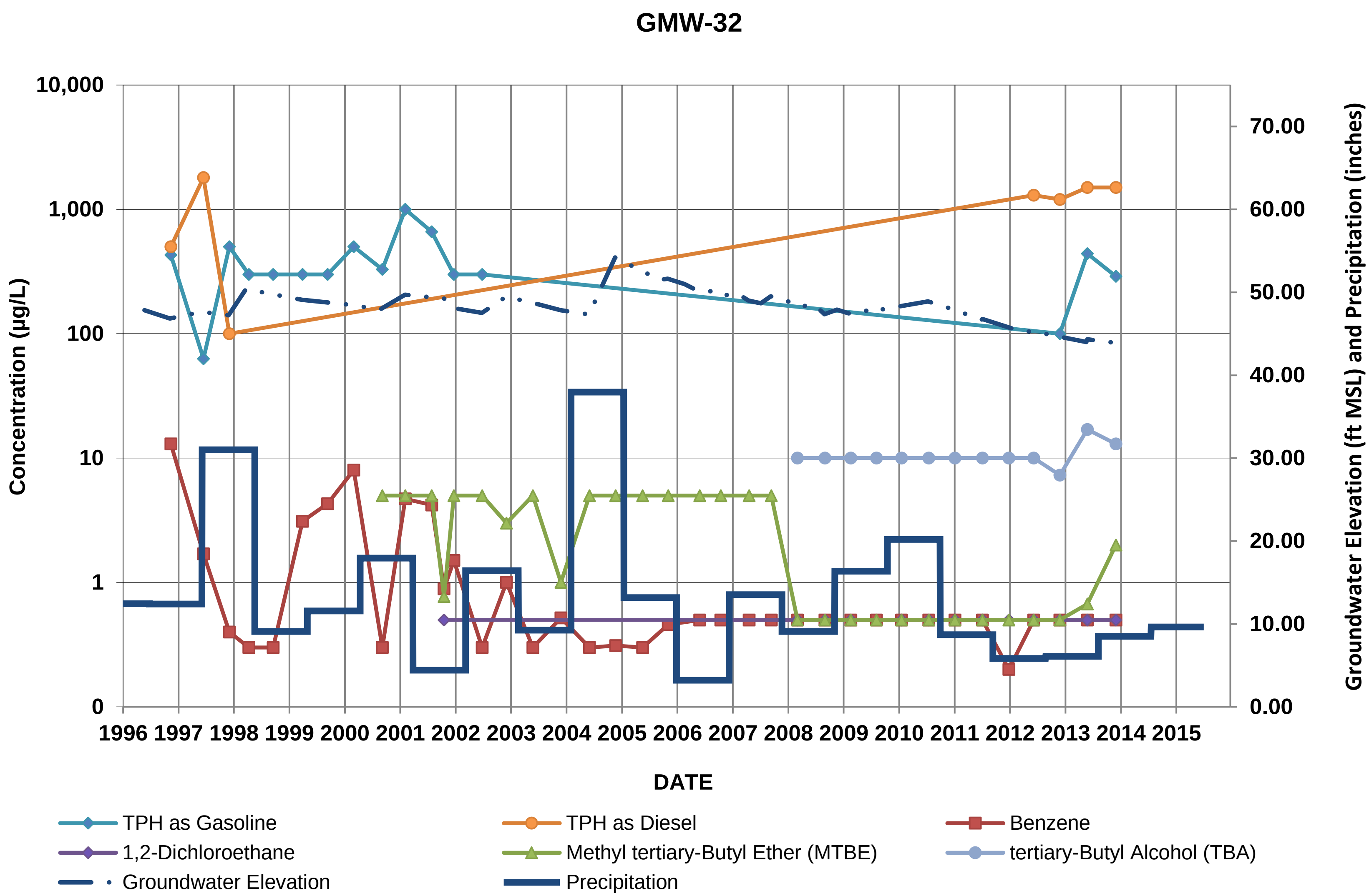
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

The Source Group, Inc.



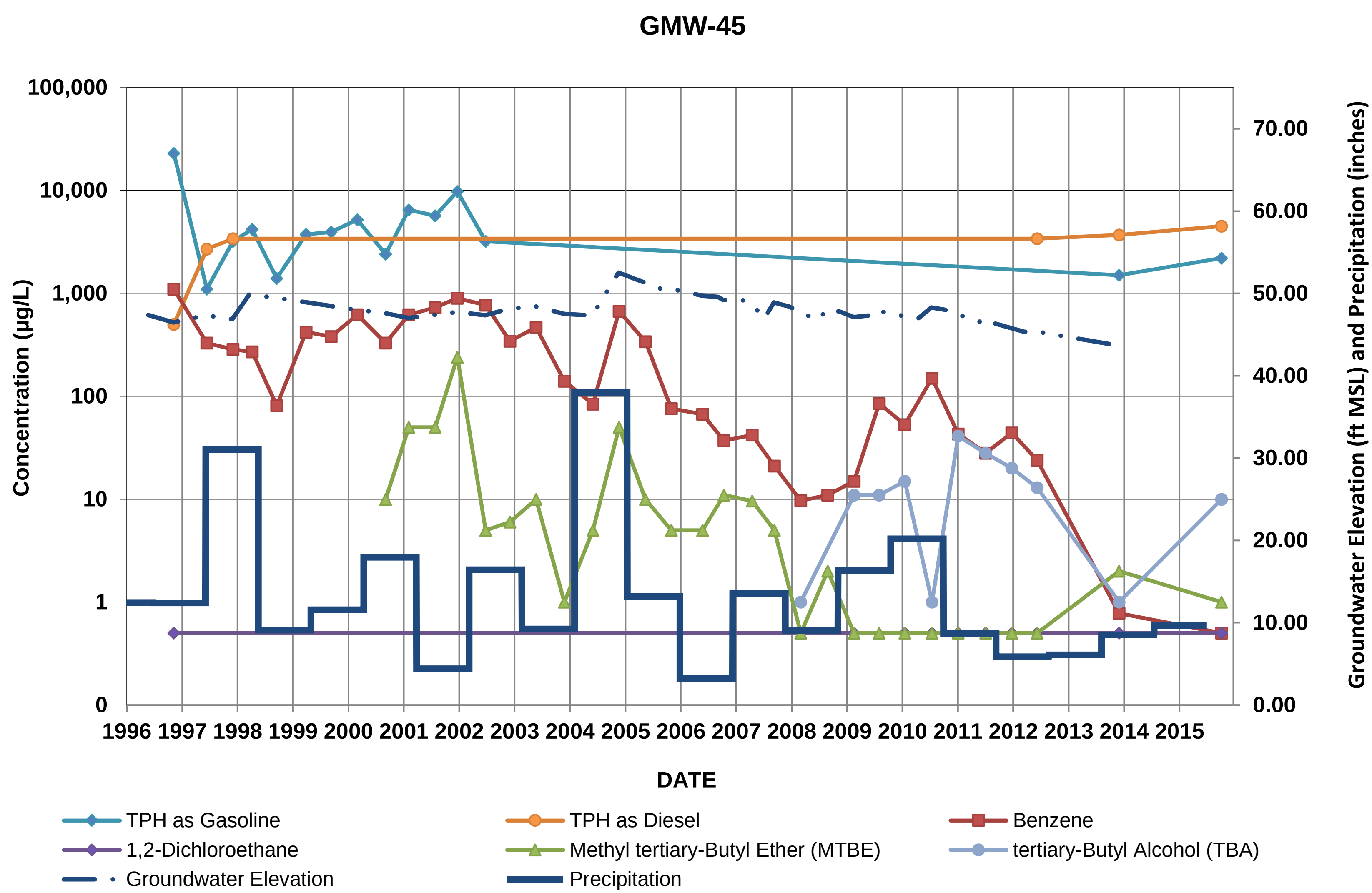
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

The Source Group, Inc.



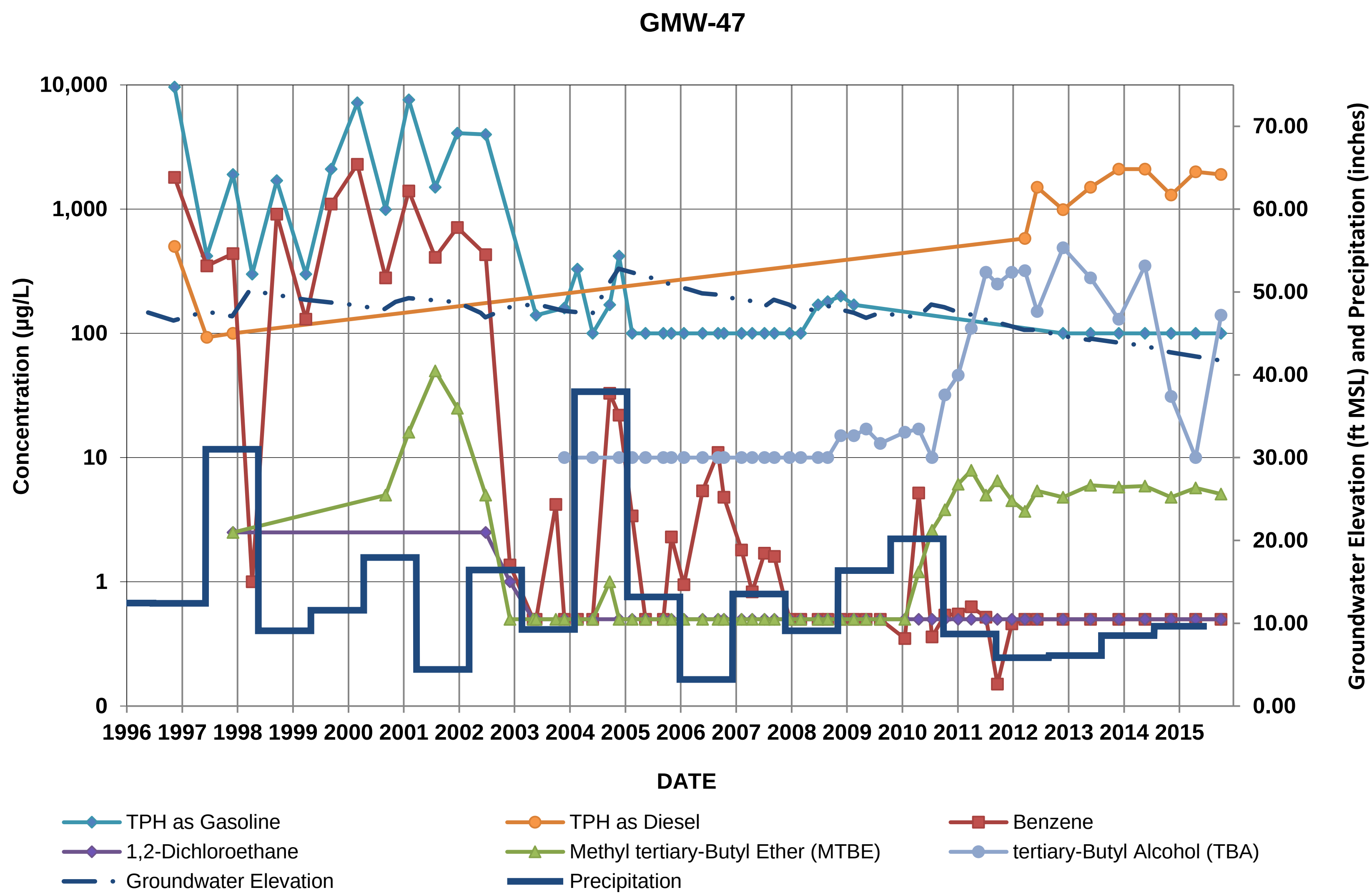
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

The Source Group, Inc.



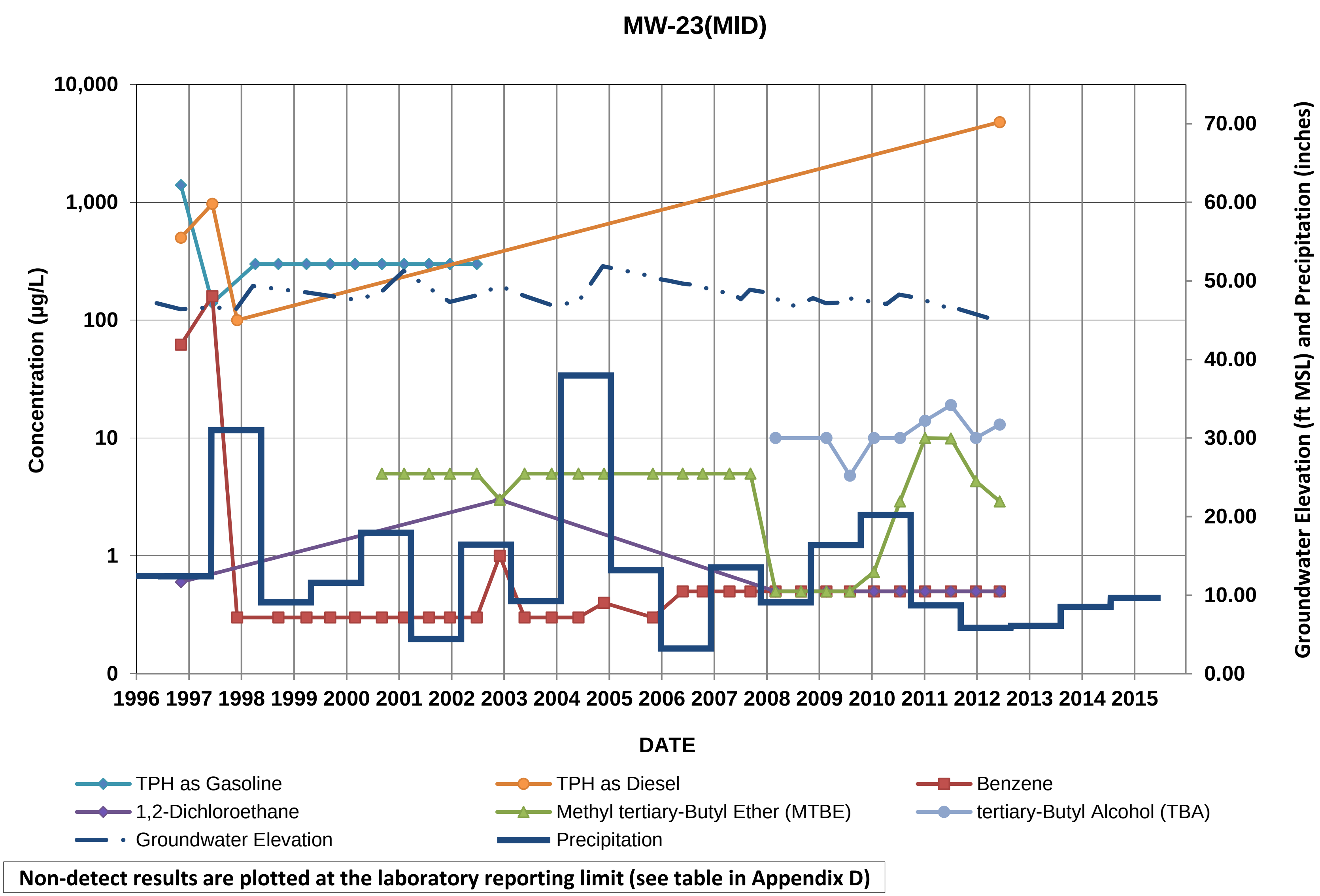
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

The Source Group, Inc.

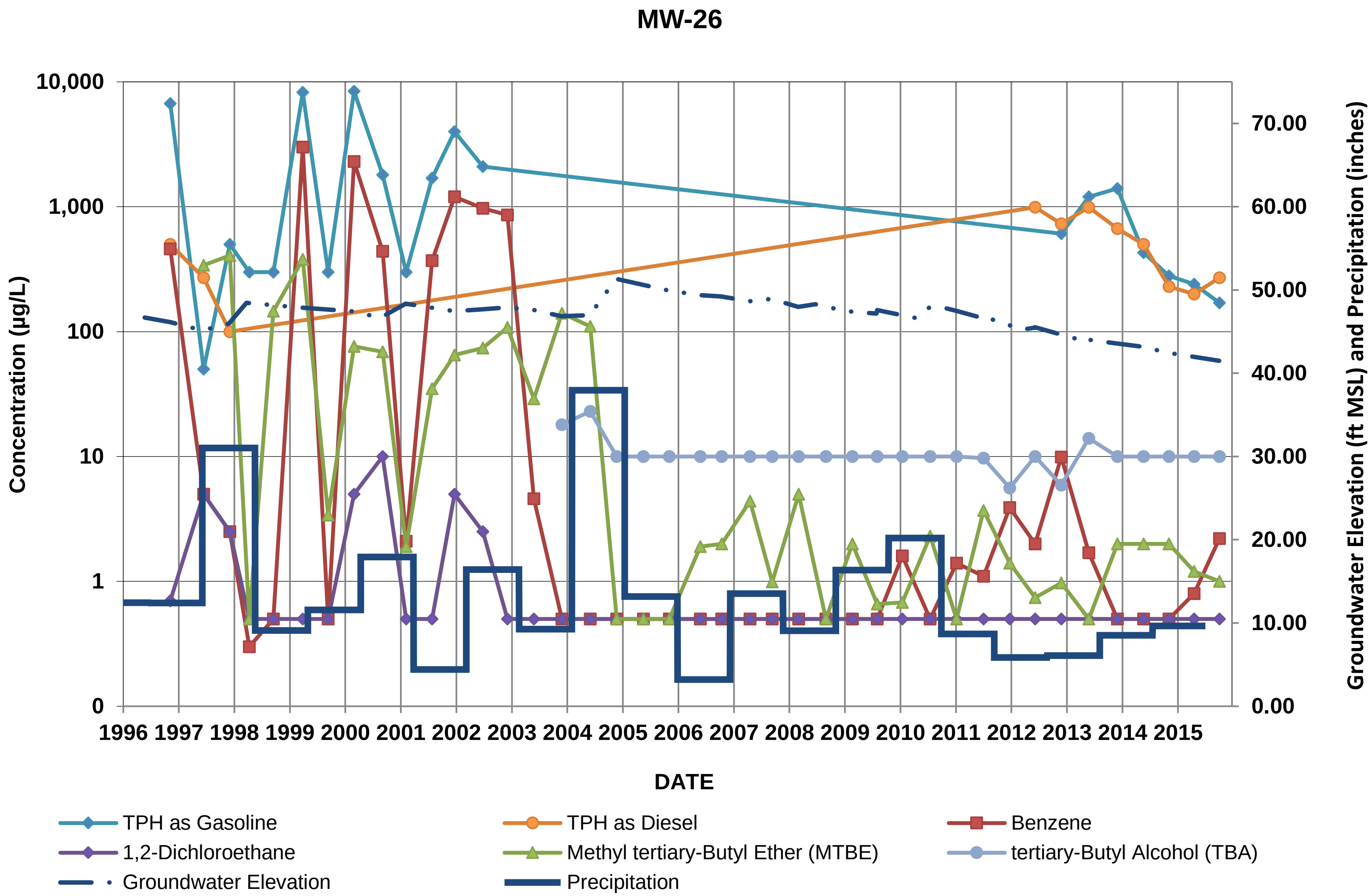


Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

The Source Group, Inc.



The Source Group, Inc.

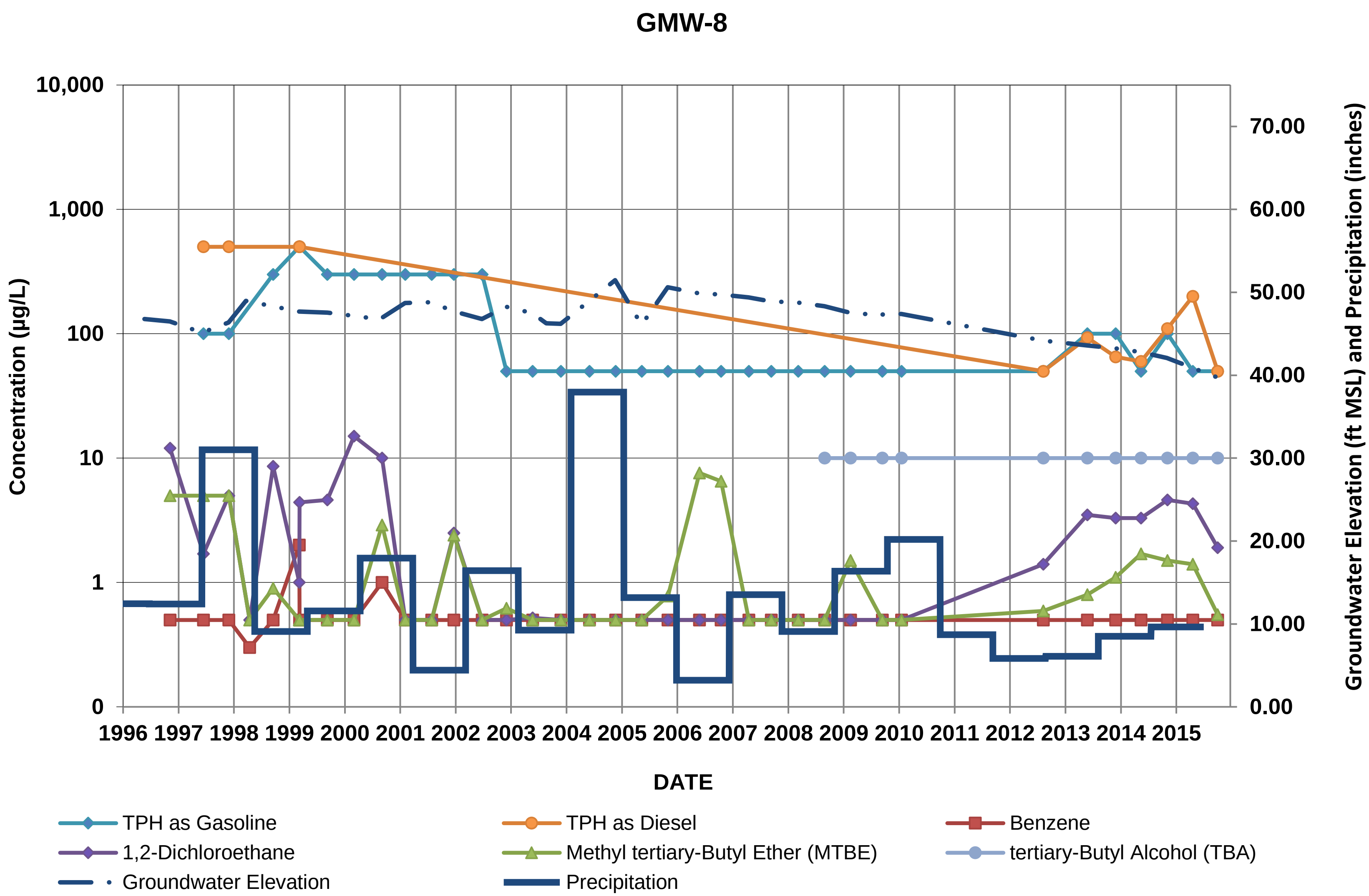


Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

The Source Group, Inc.

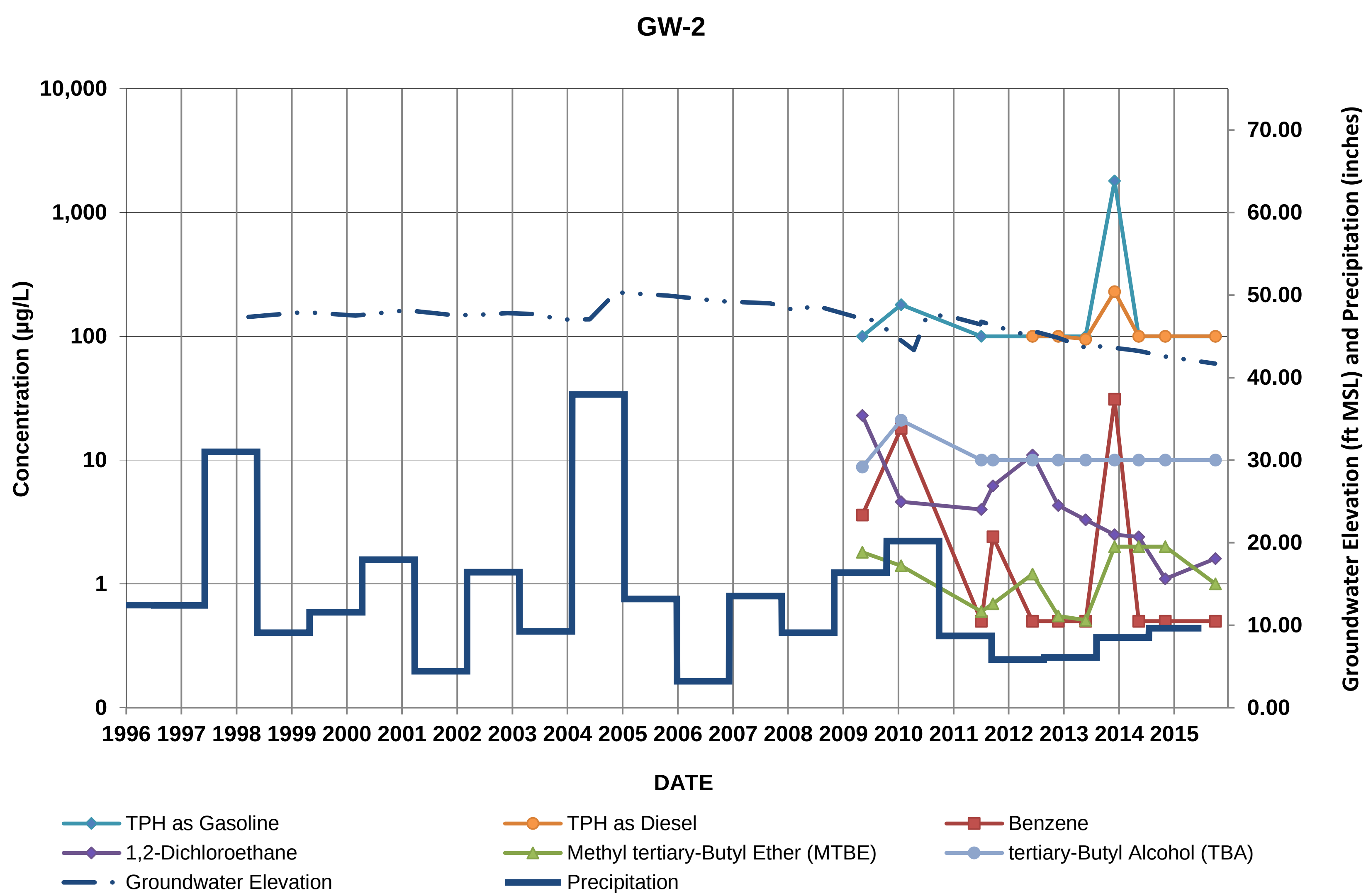
WESTERN AREA

GMW-8, GW-2, GW-6, GW-13, MW-6, MW-7, MW-22(MID), MW-26, WCW-3, AND WCW-7



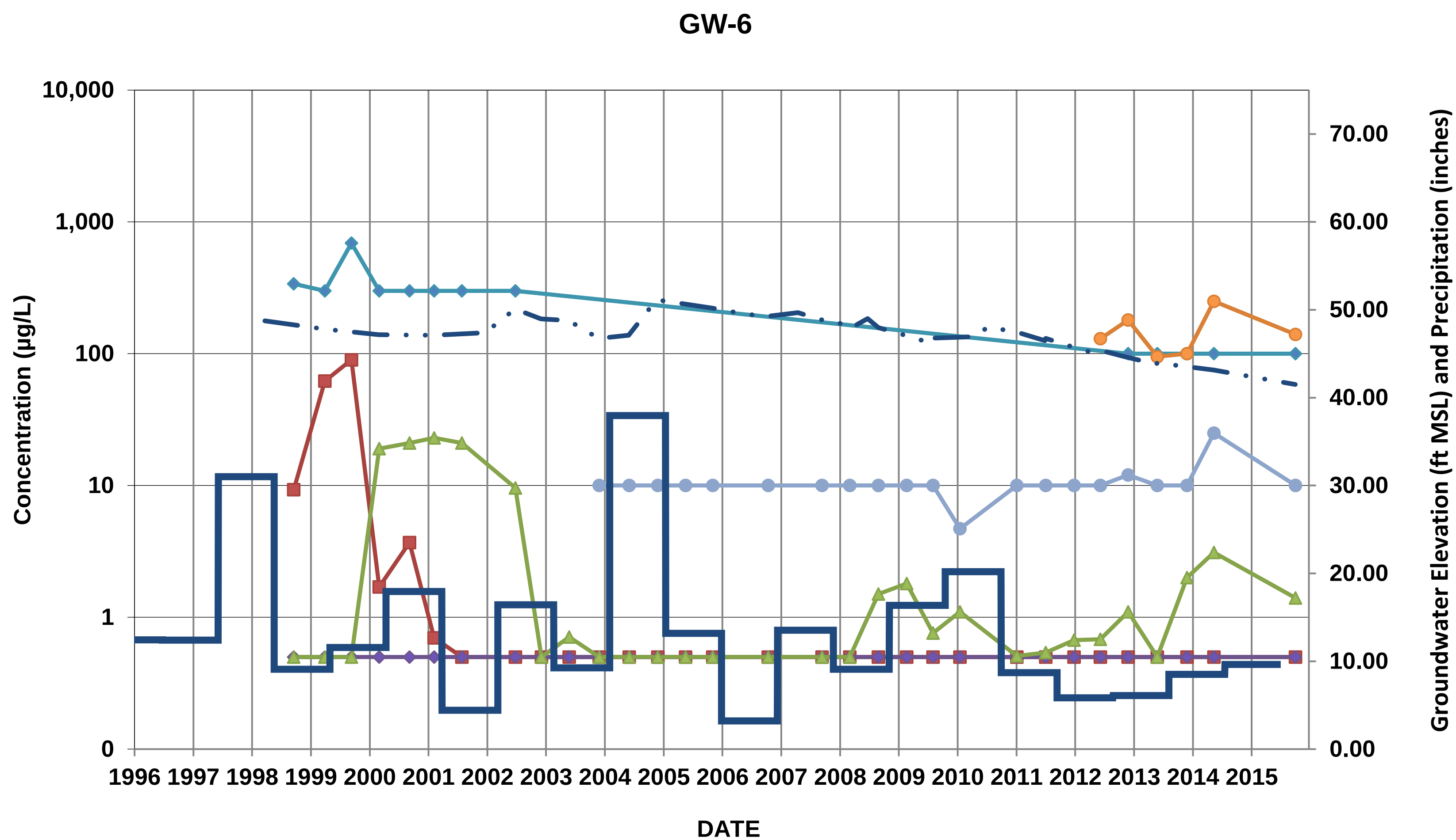
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

The Source Group, Inc.



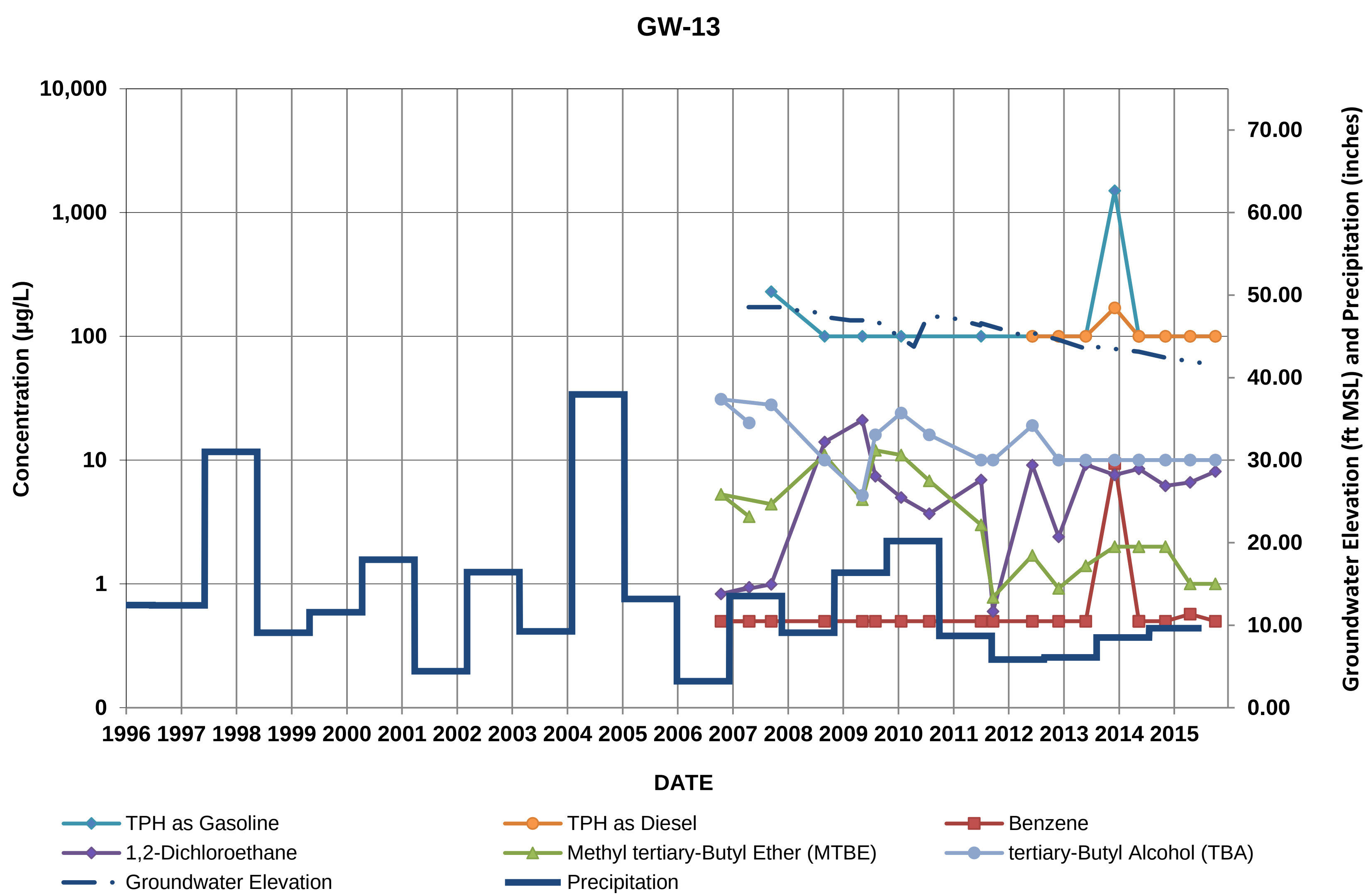
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

The Source Group, Inc.



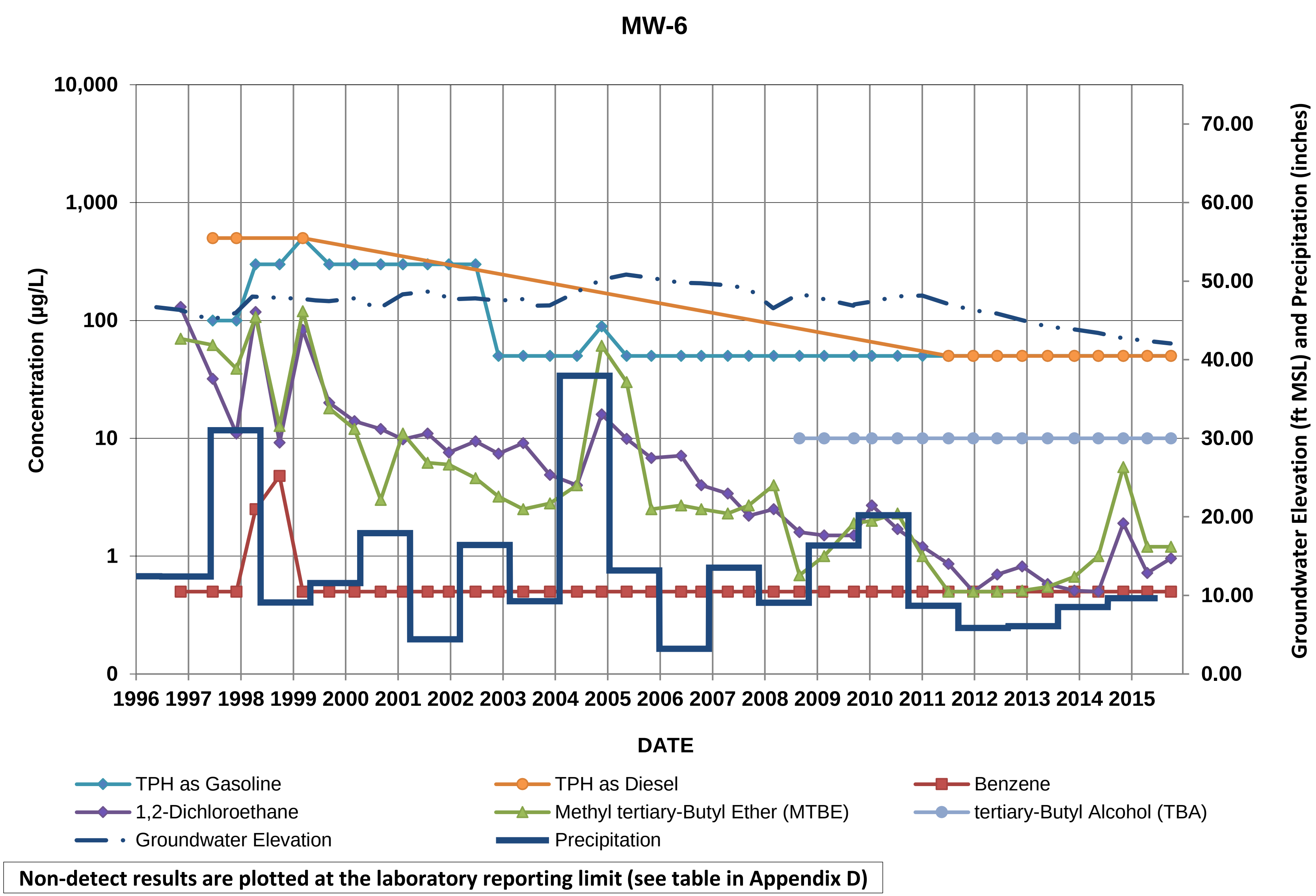
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

The Source Group, Inc.

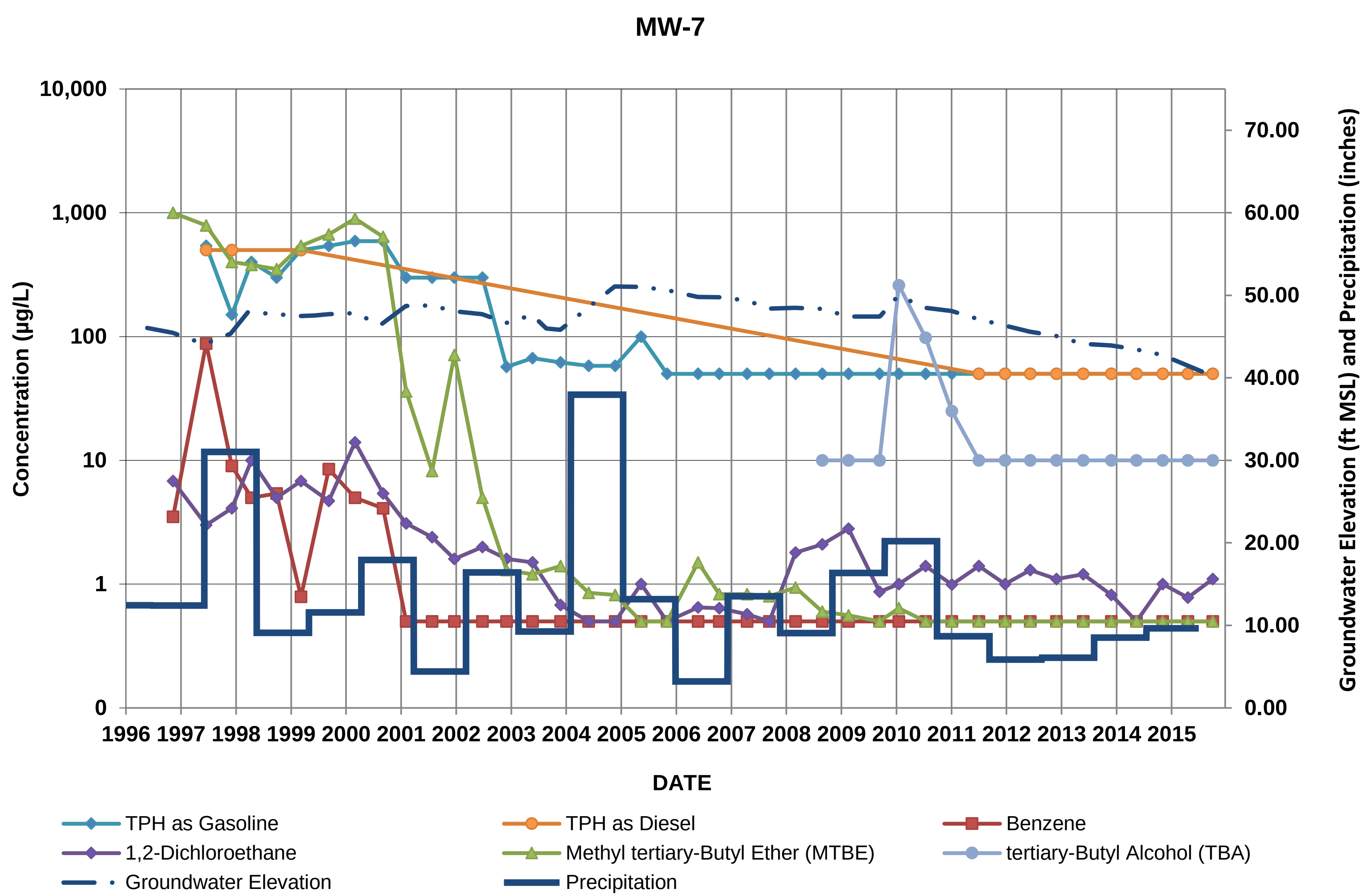


Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

The Source Group, Inc.

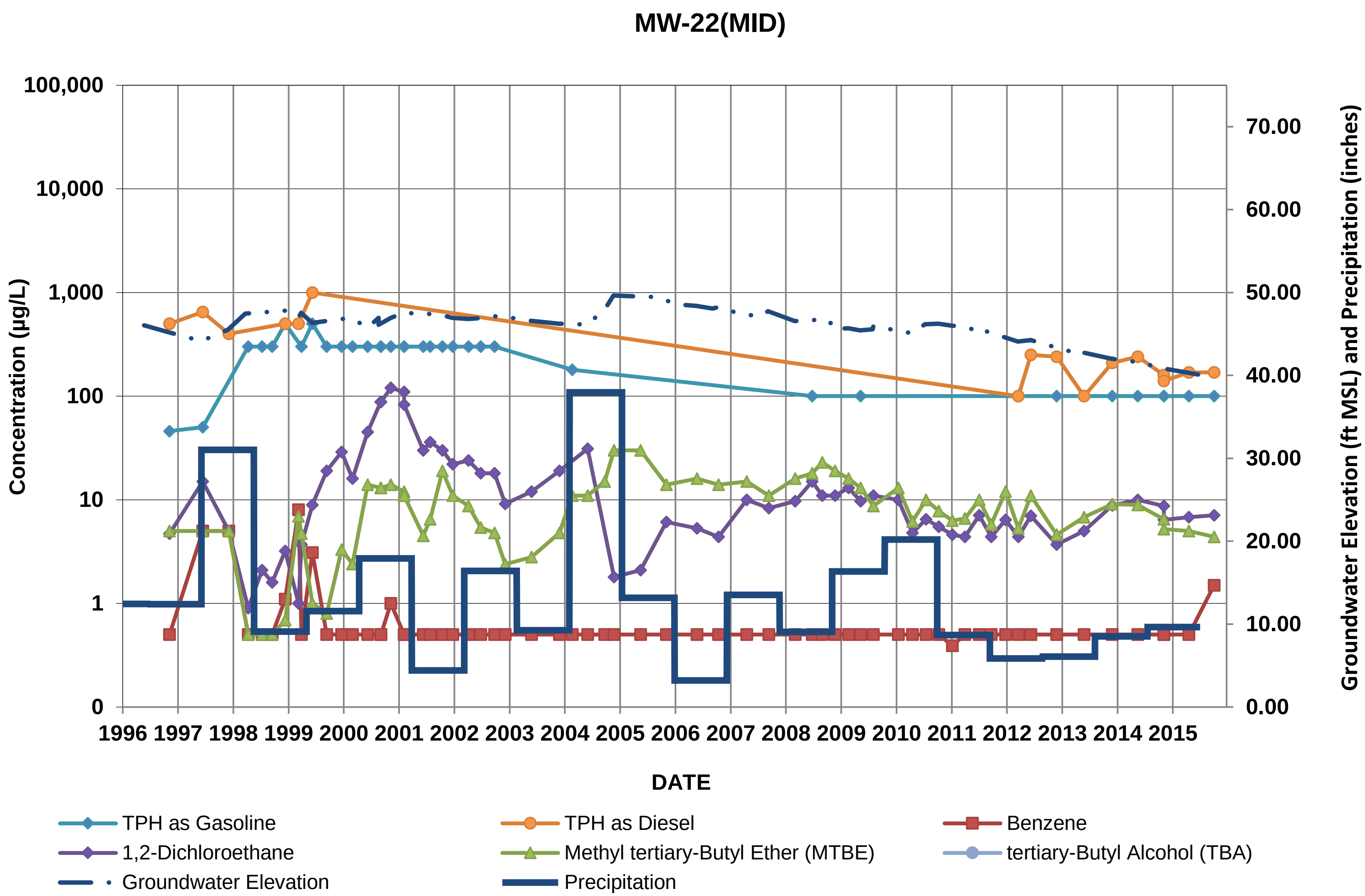


The Source Group, Inc.



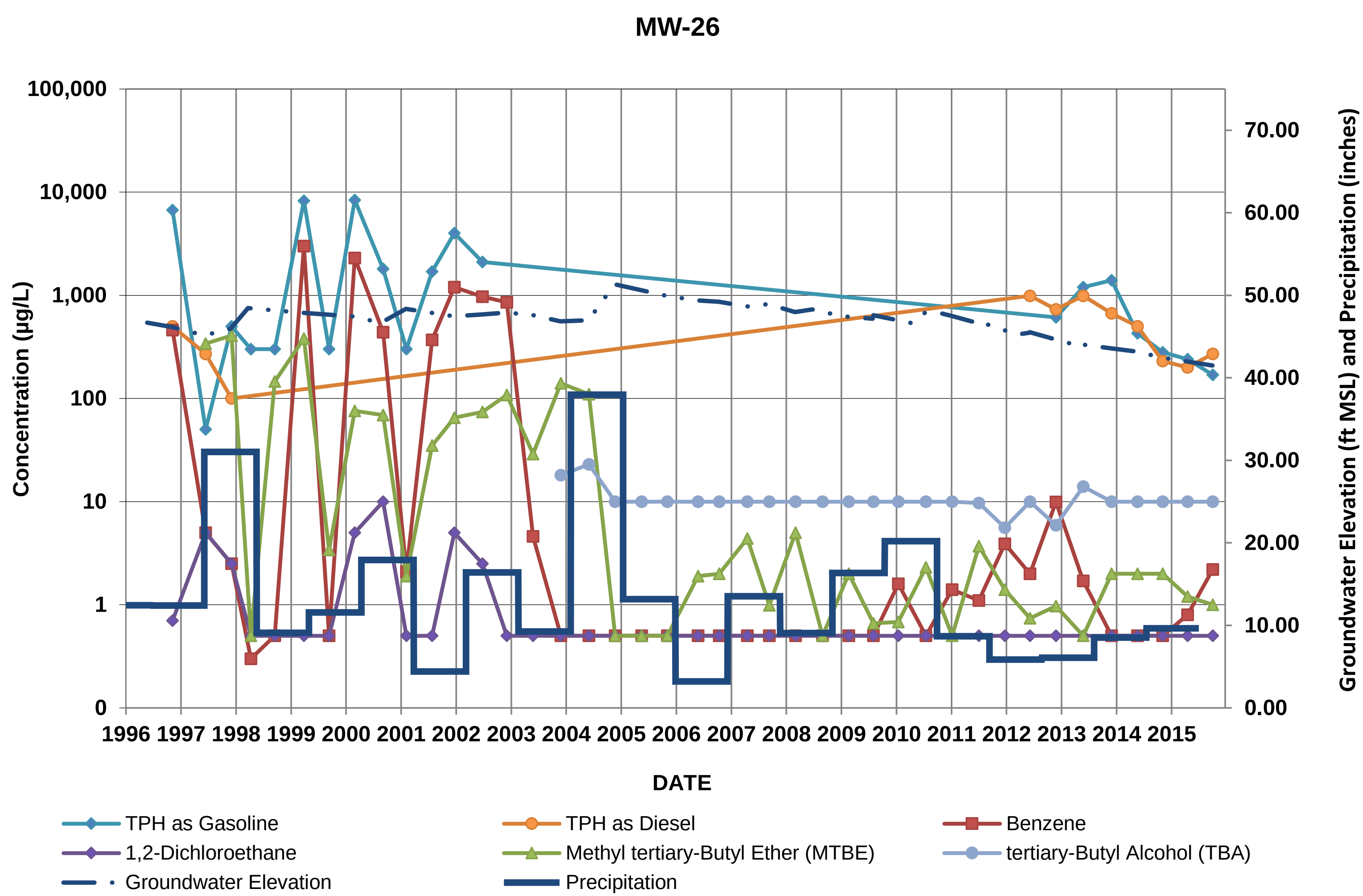
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

The Source Group, Inc.



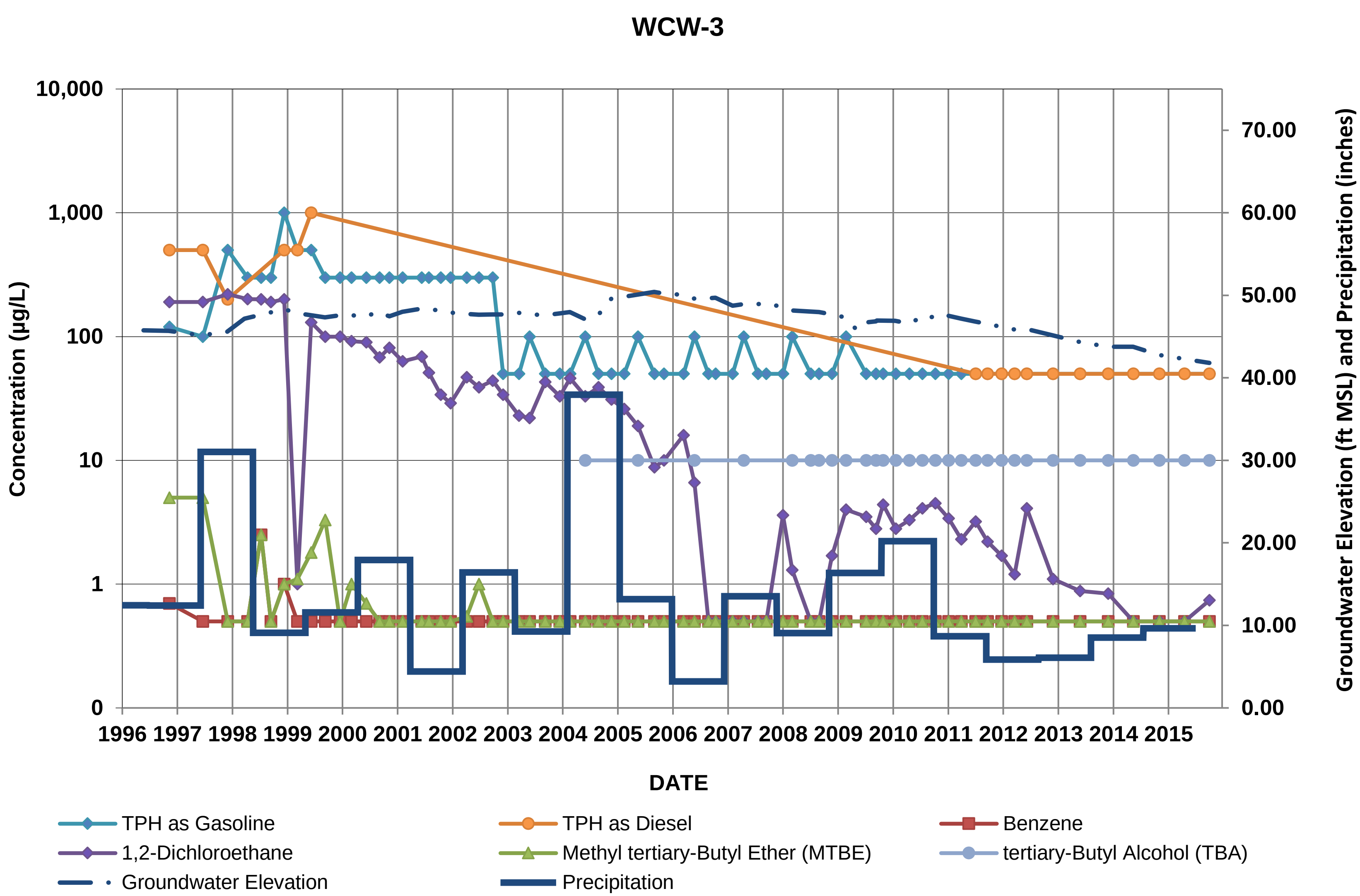
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

The Source Group, Inc.



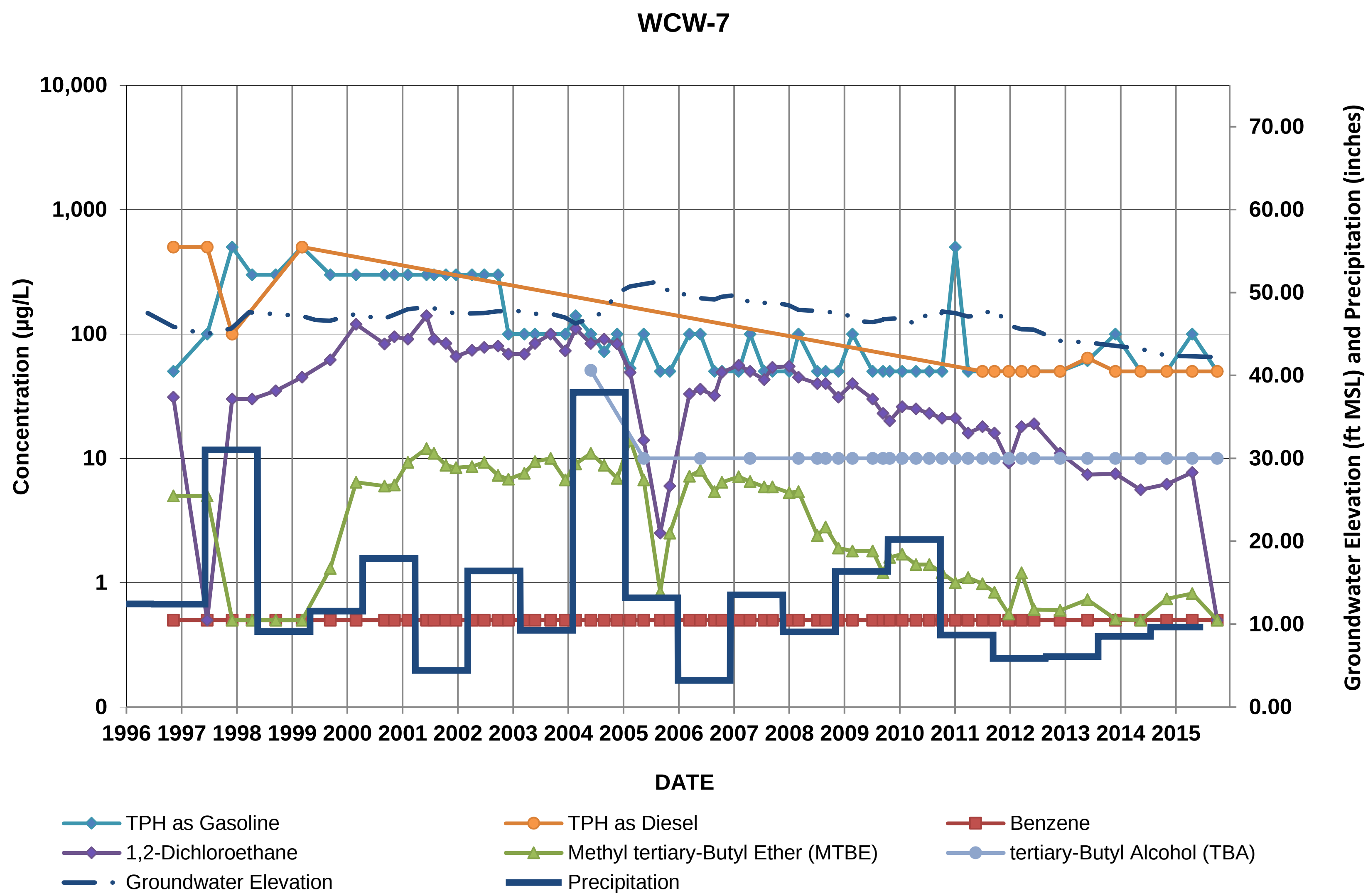
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

The Source Group, Inc.



Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

The Source Group, Inc.

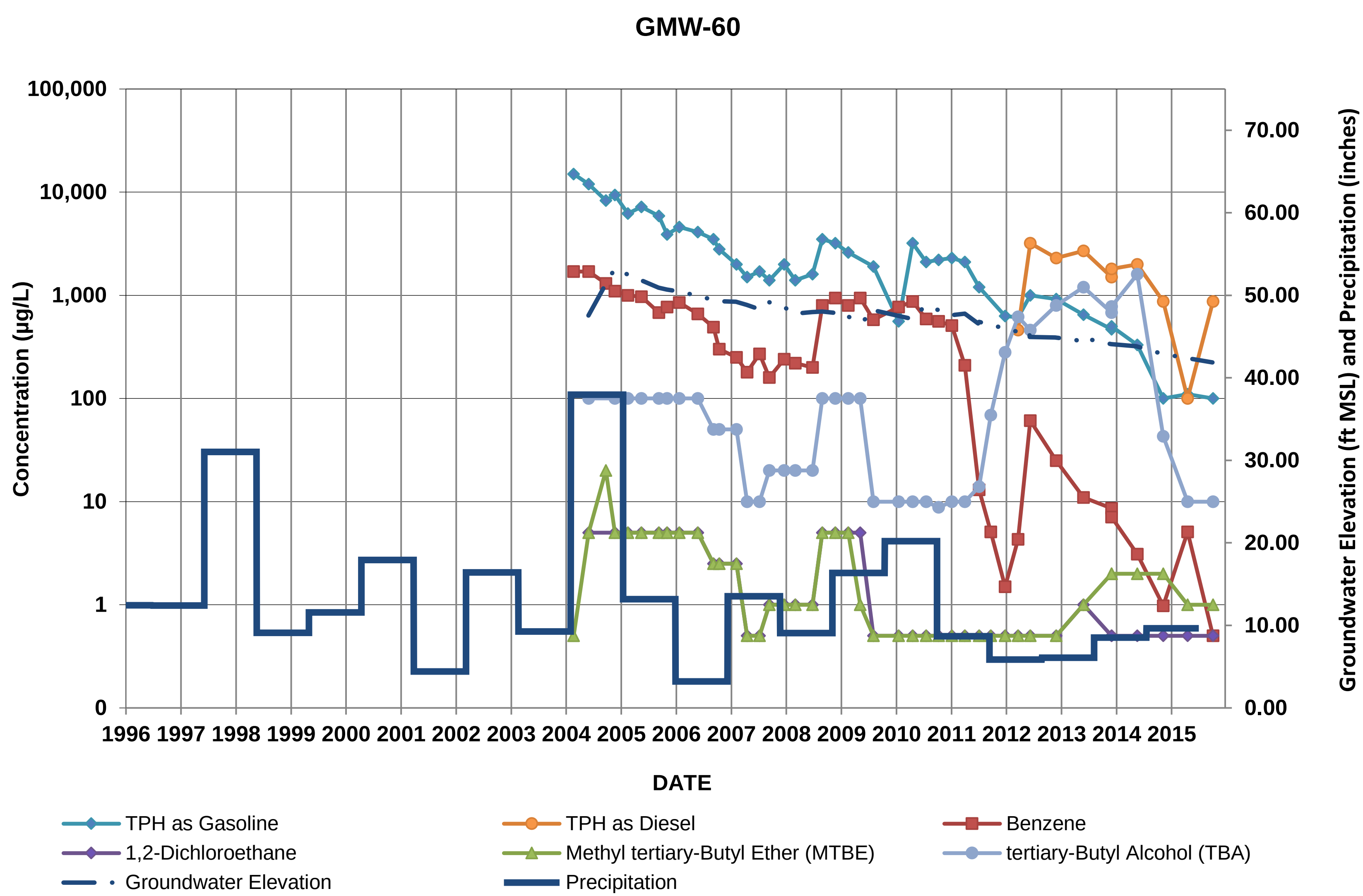


Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

The Source Group, Inc.

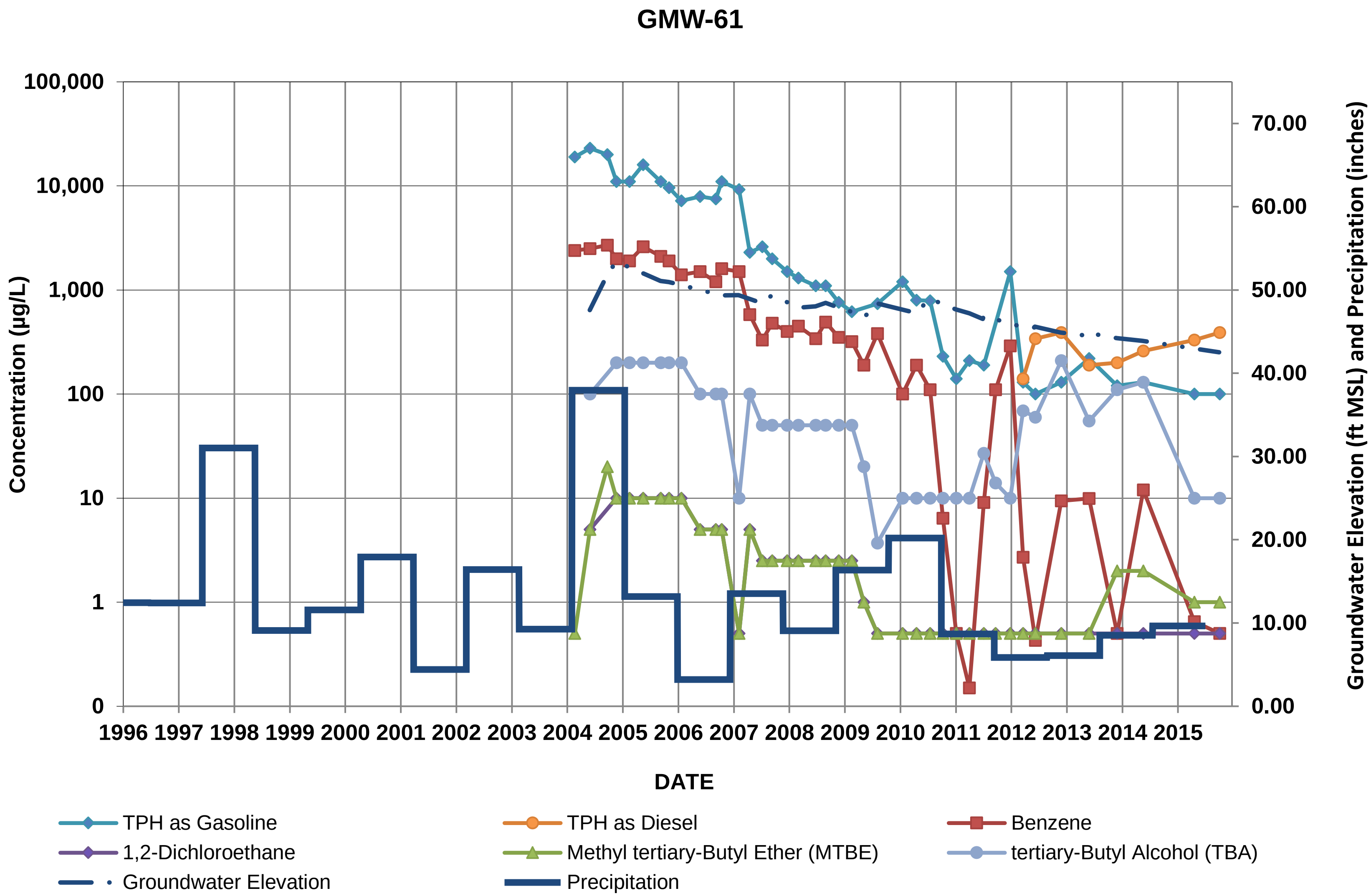
NORTHEAST ON-SITE/HOLIFIELD PARK AREAS

GMW-60, GMW-61, GMW-62, GMW-67, GMW-68, AND GMW-69



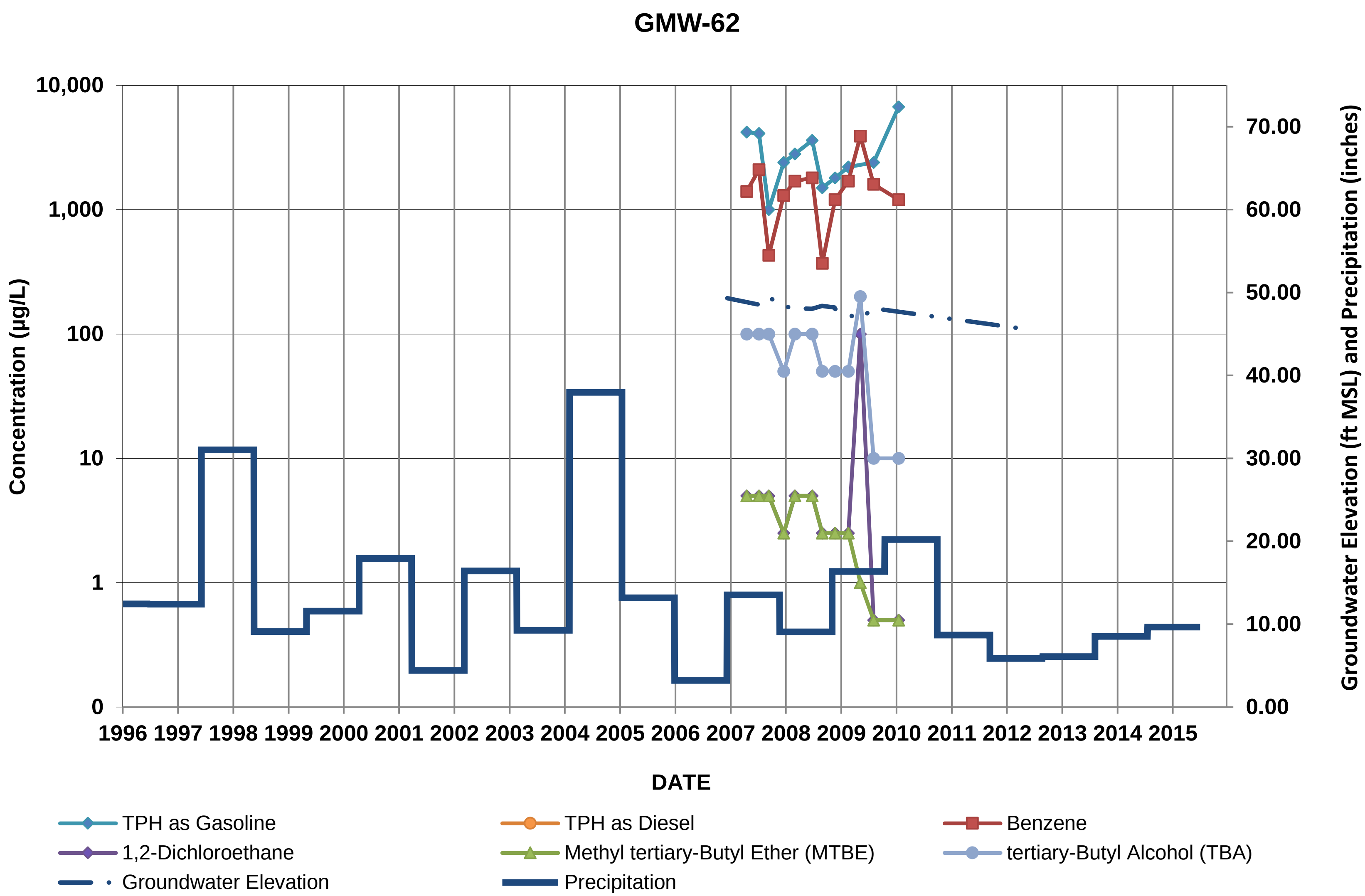
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

The Source Group, Inc.



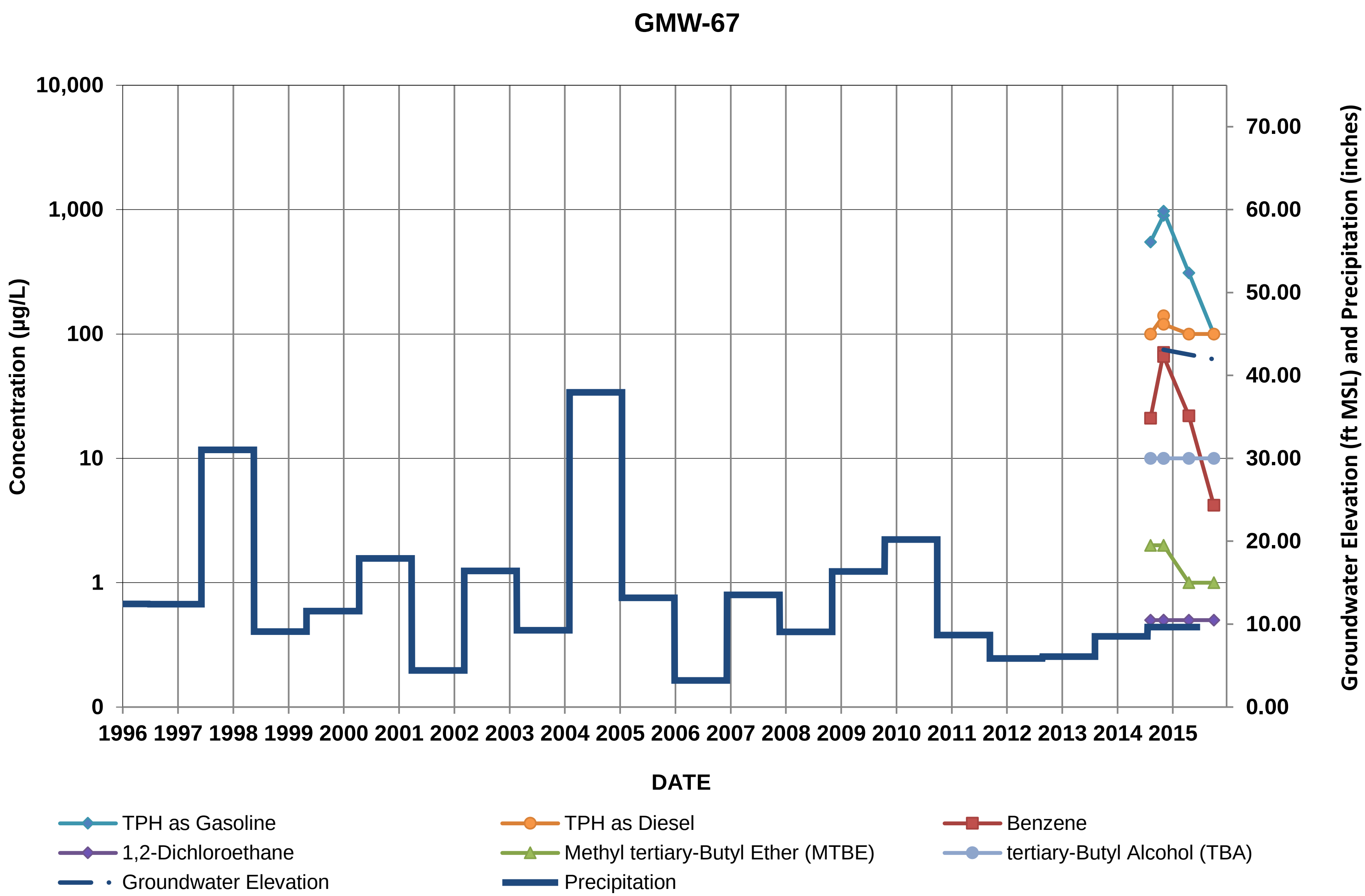
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

The Source Group, Inc.



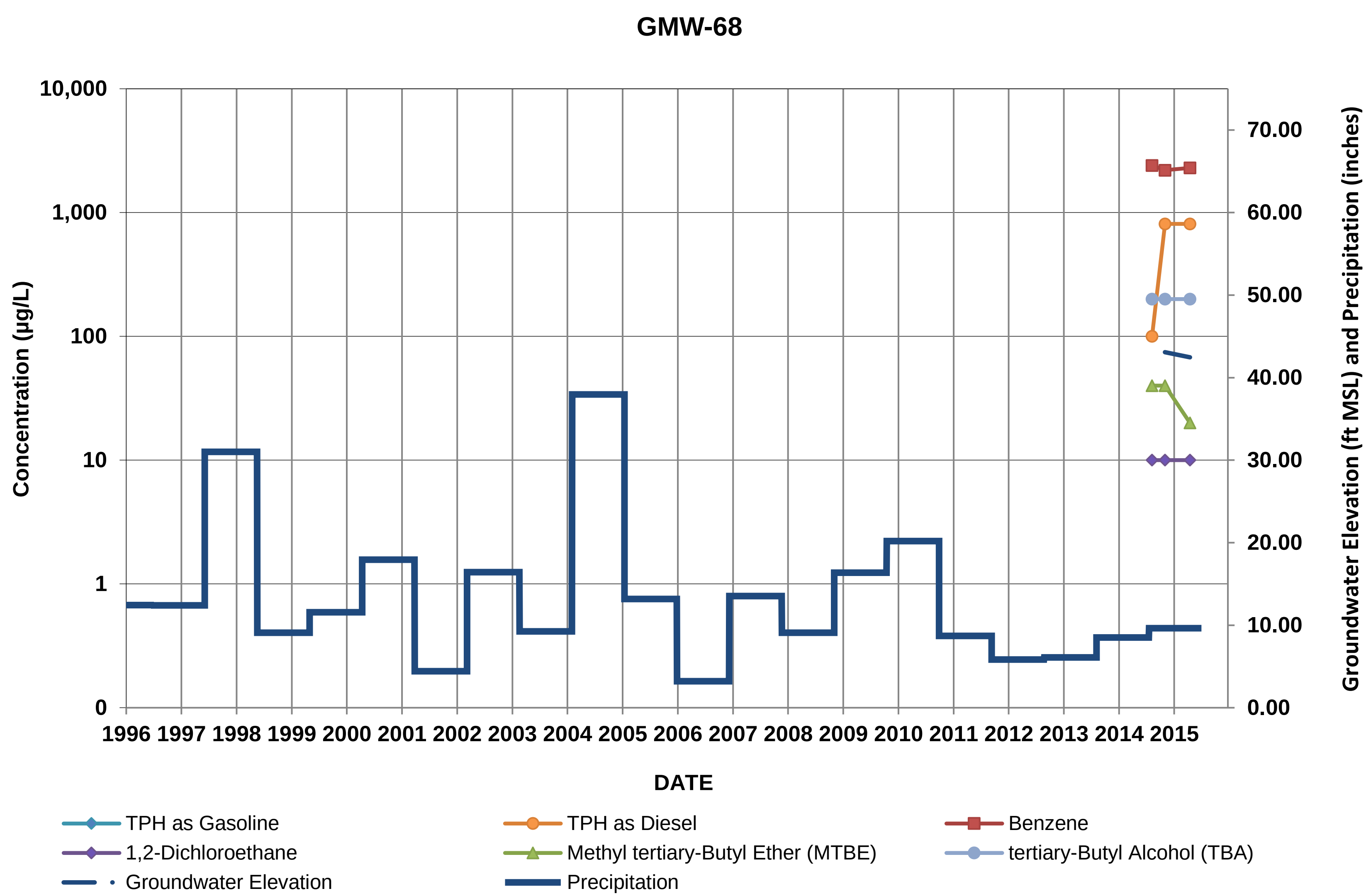
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

The Source Group, Inc.



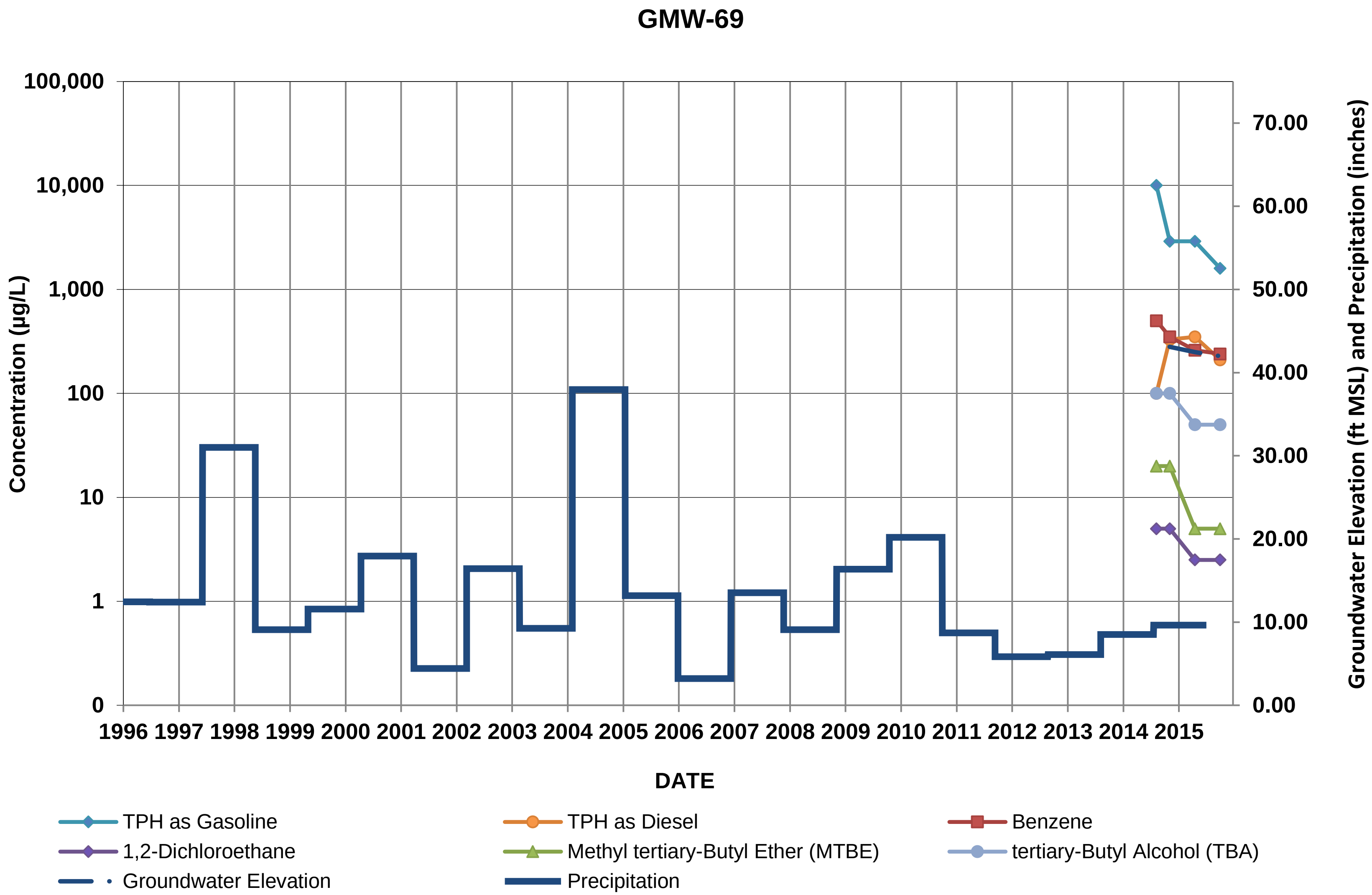
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

The Source Group, Inc.



Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

The Source Group, Inc.

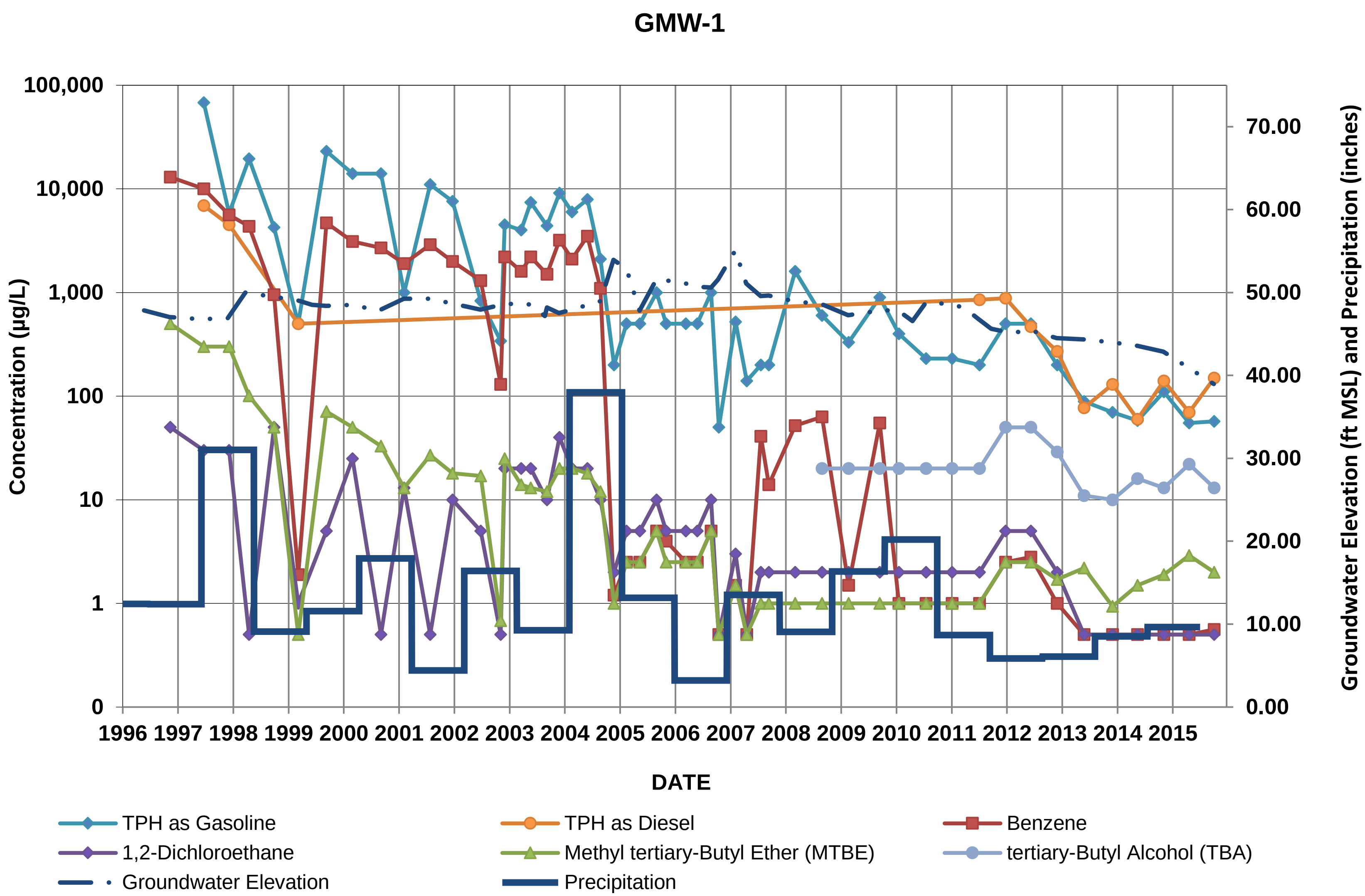


Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

The Source Group, Inc.

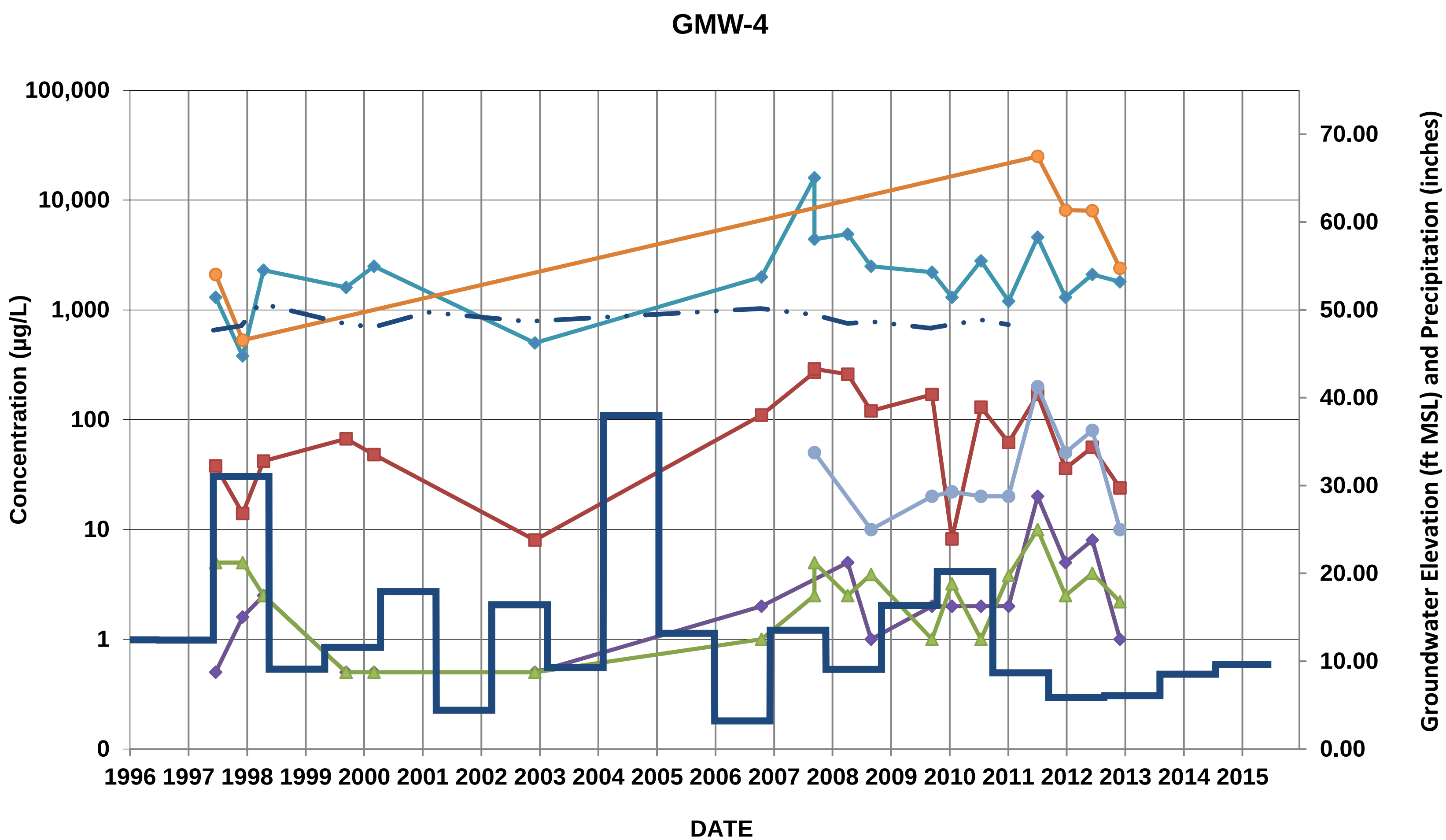
FORMER TRUCK-FUELING AREA

GMW-1, GMW-4, GMW-10, AND MW-15



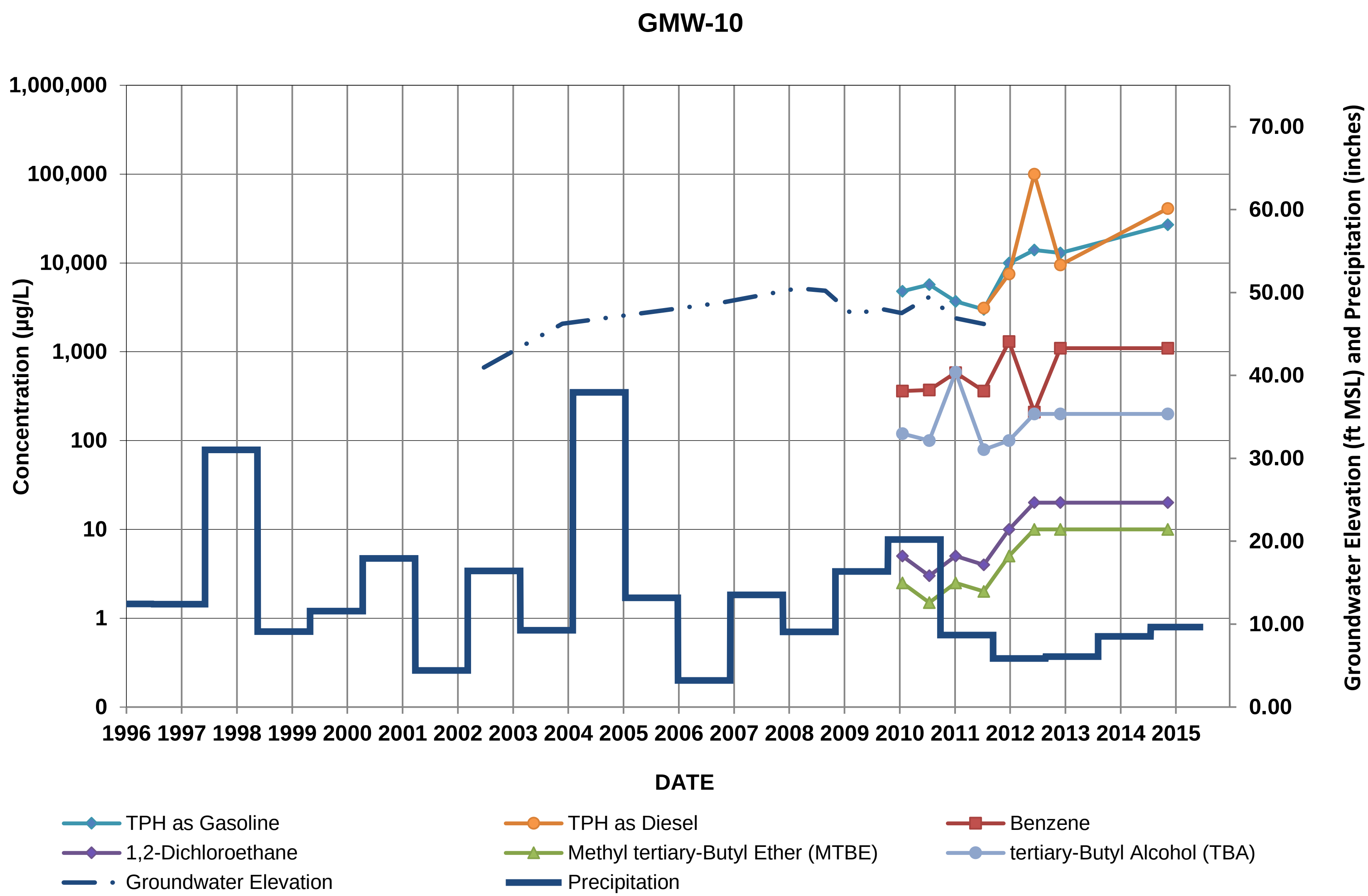
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

The Source Group, Inc.



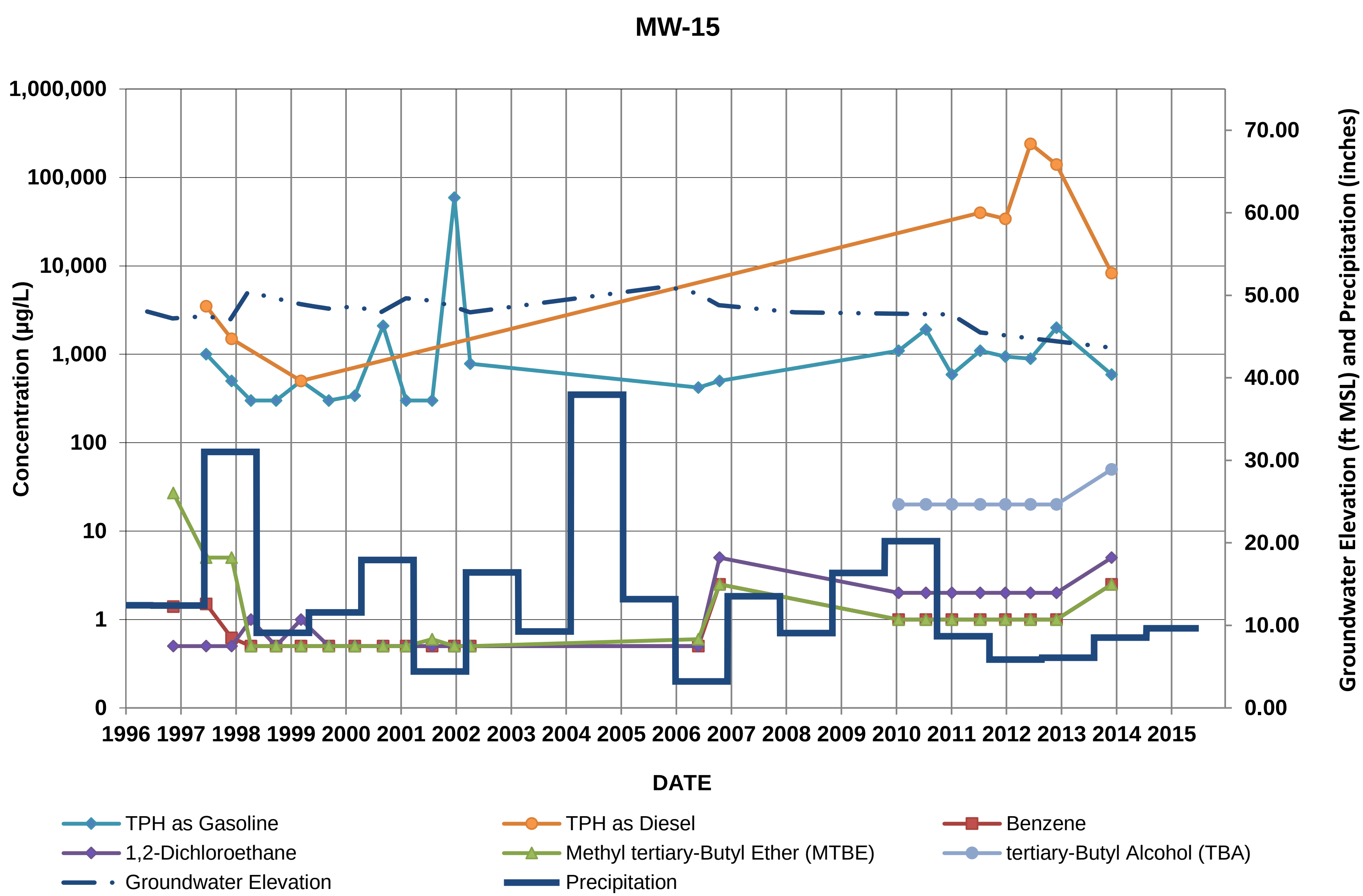
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

The Source Group, Inc.



Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

The Source Group, Inc.

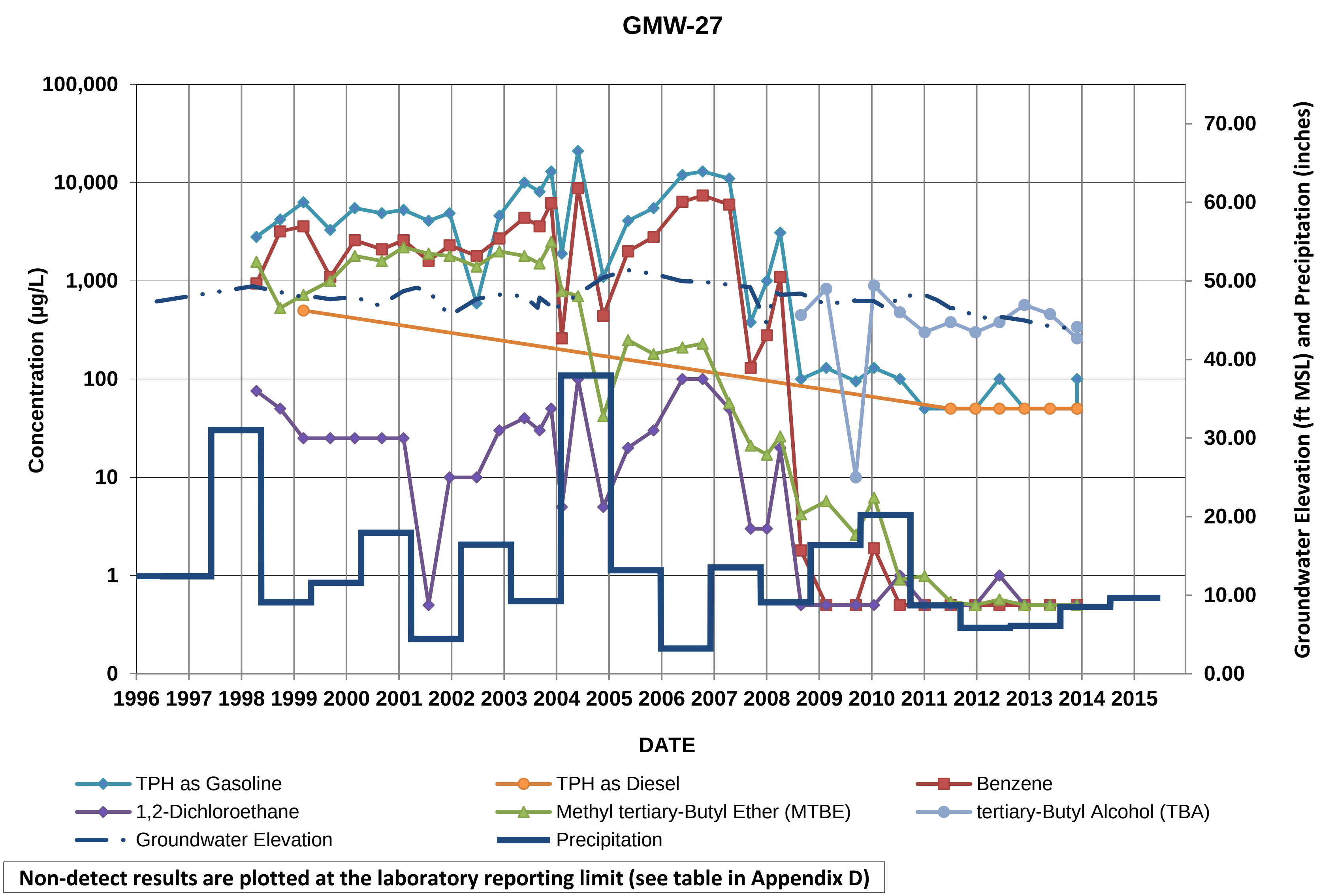


Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

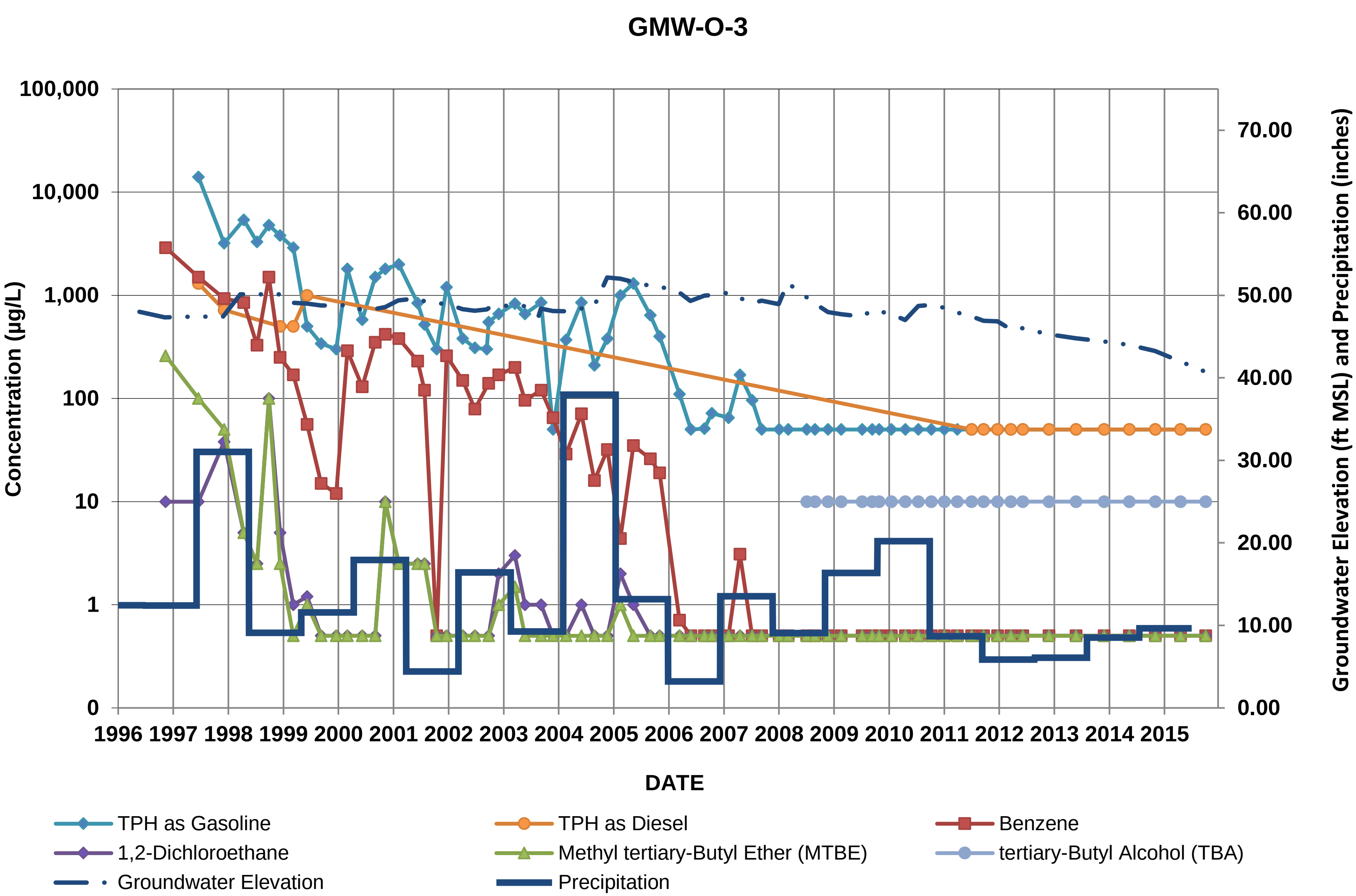
The Source Group, Inc.

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

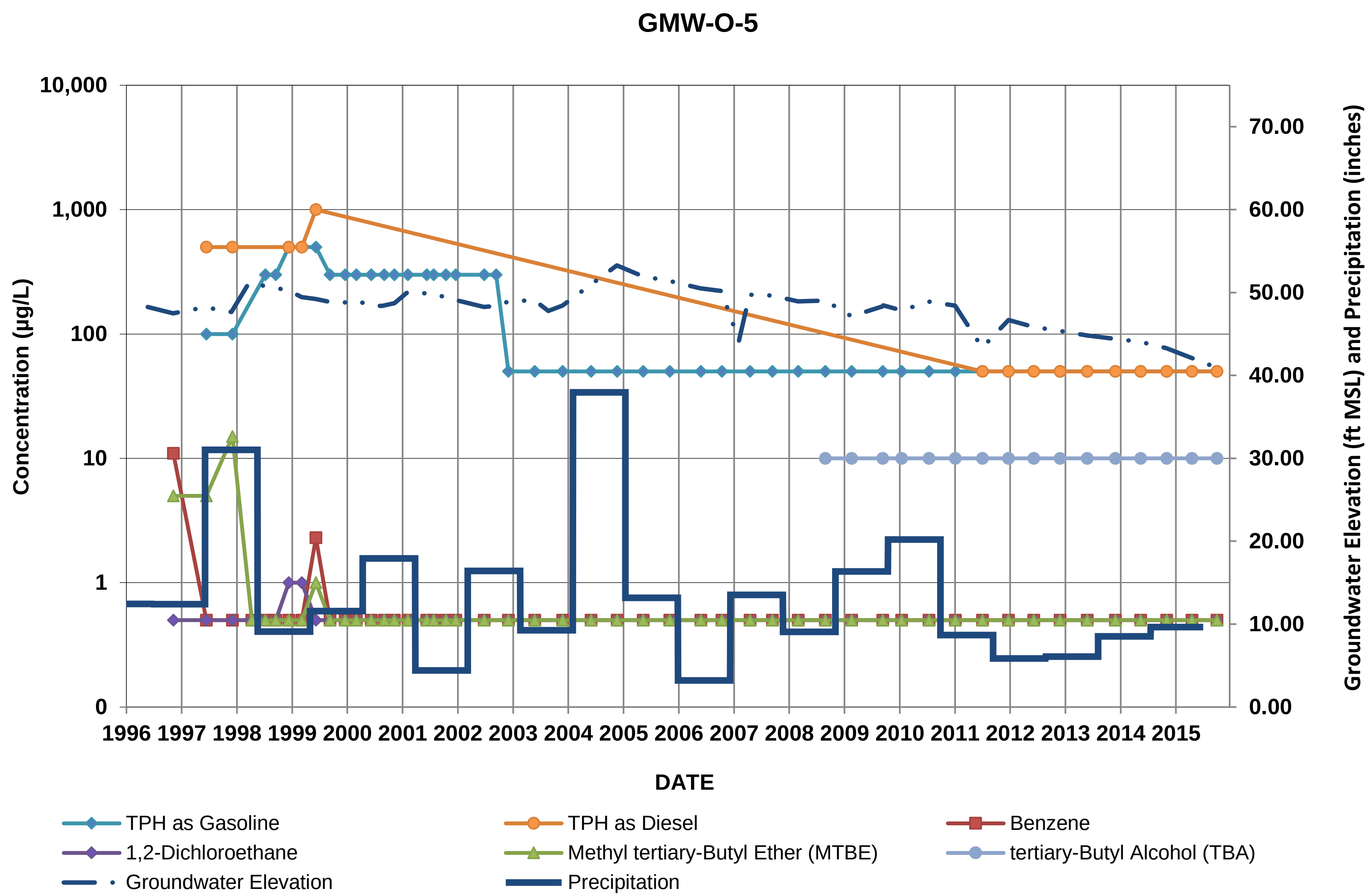


The Source Group, Inc.



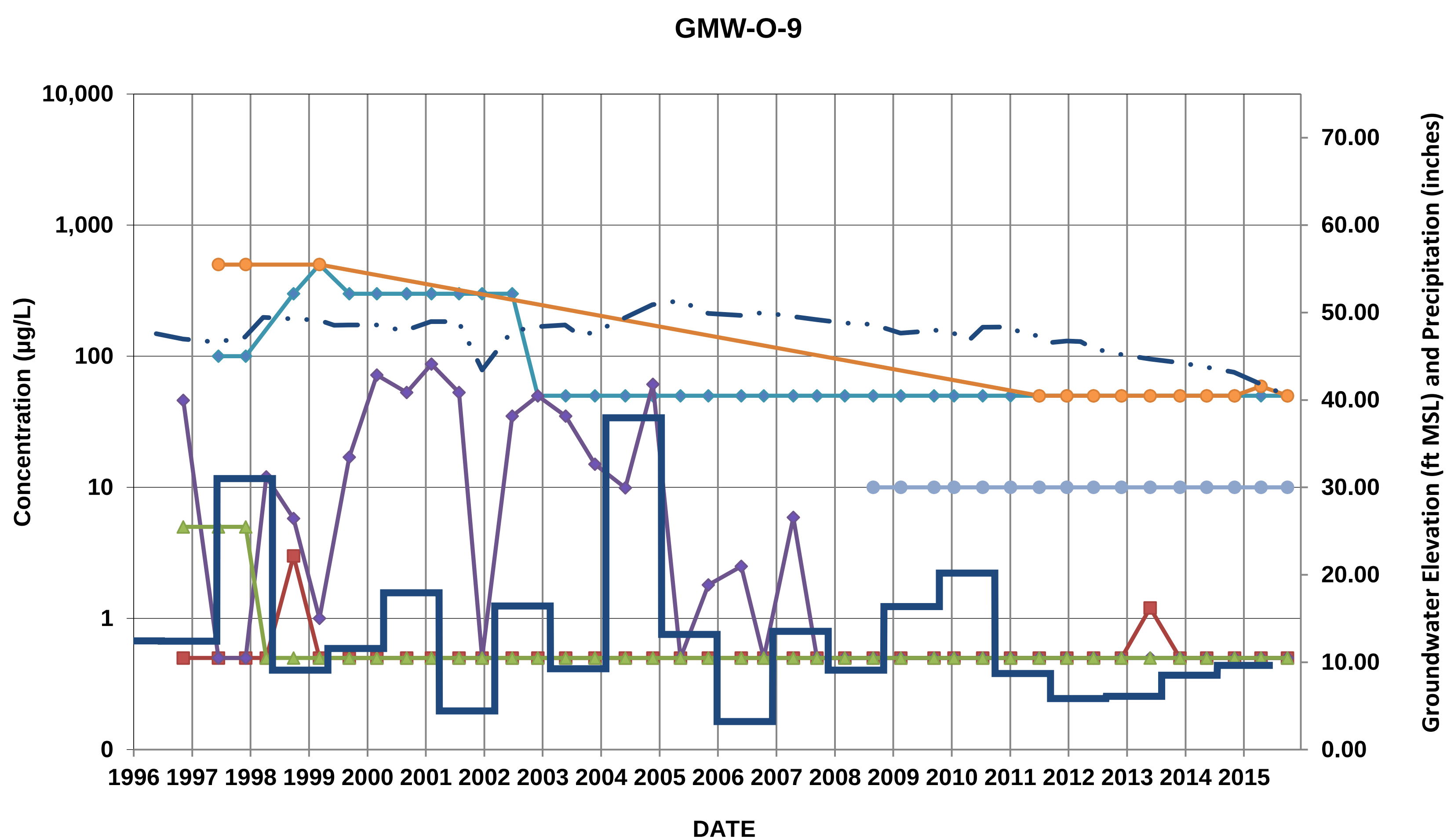
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

The Source Group, Inc.



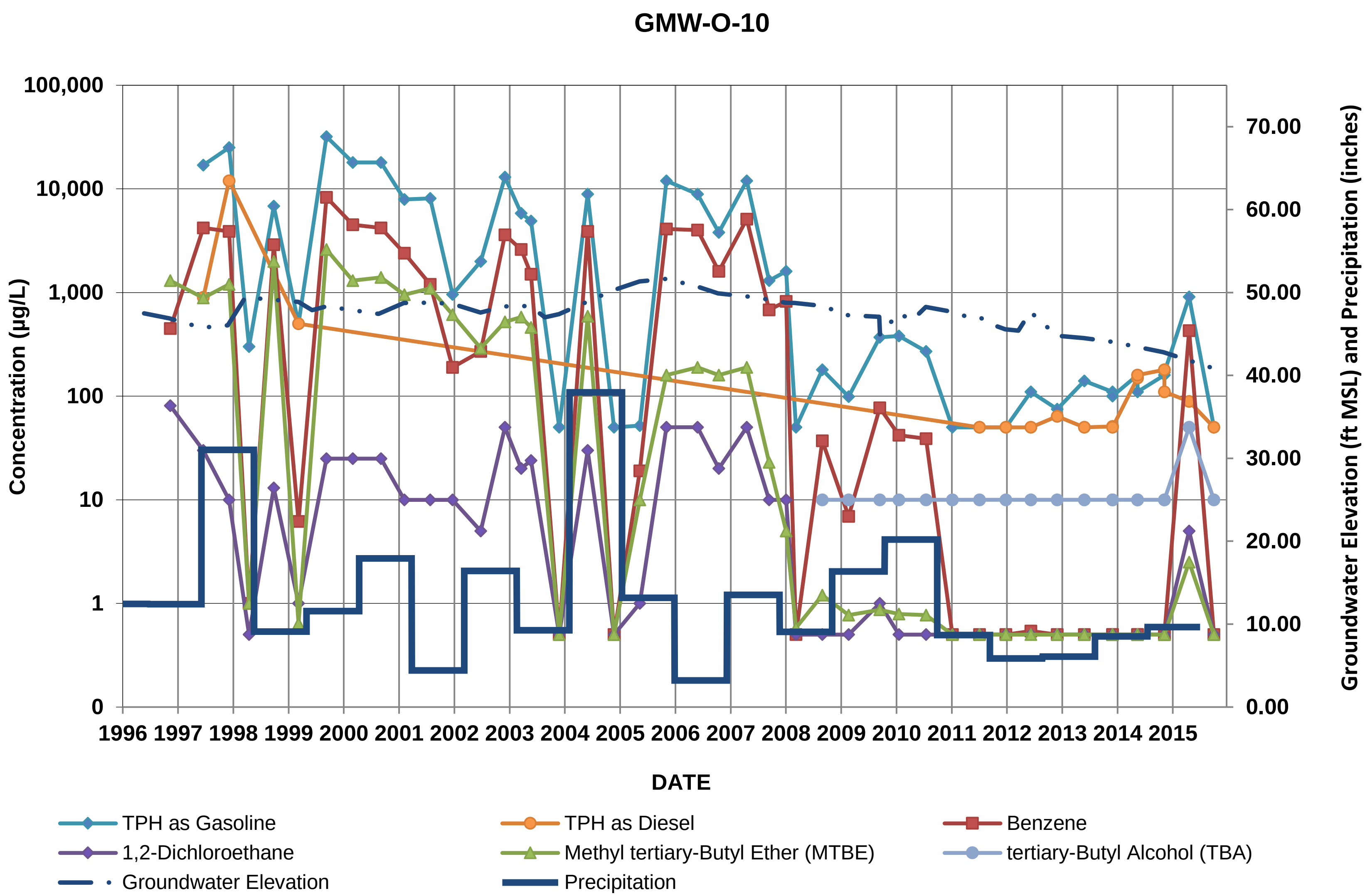
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

The Source Group, Inc.



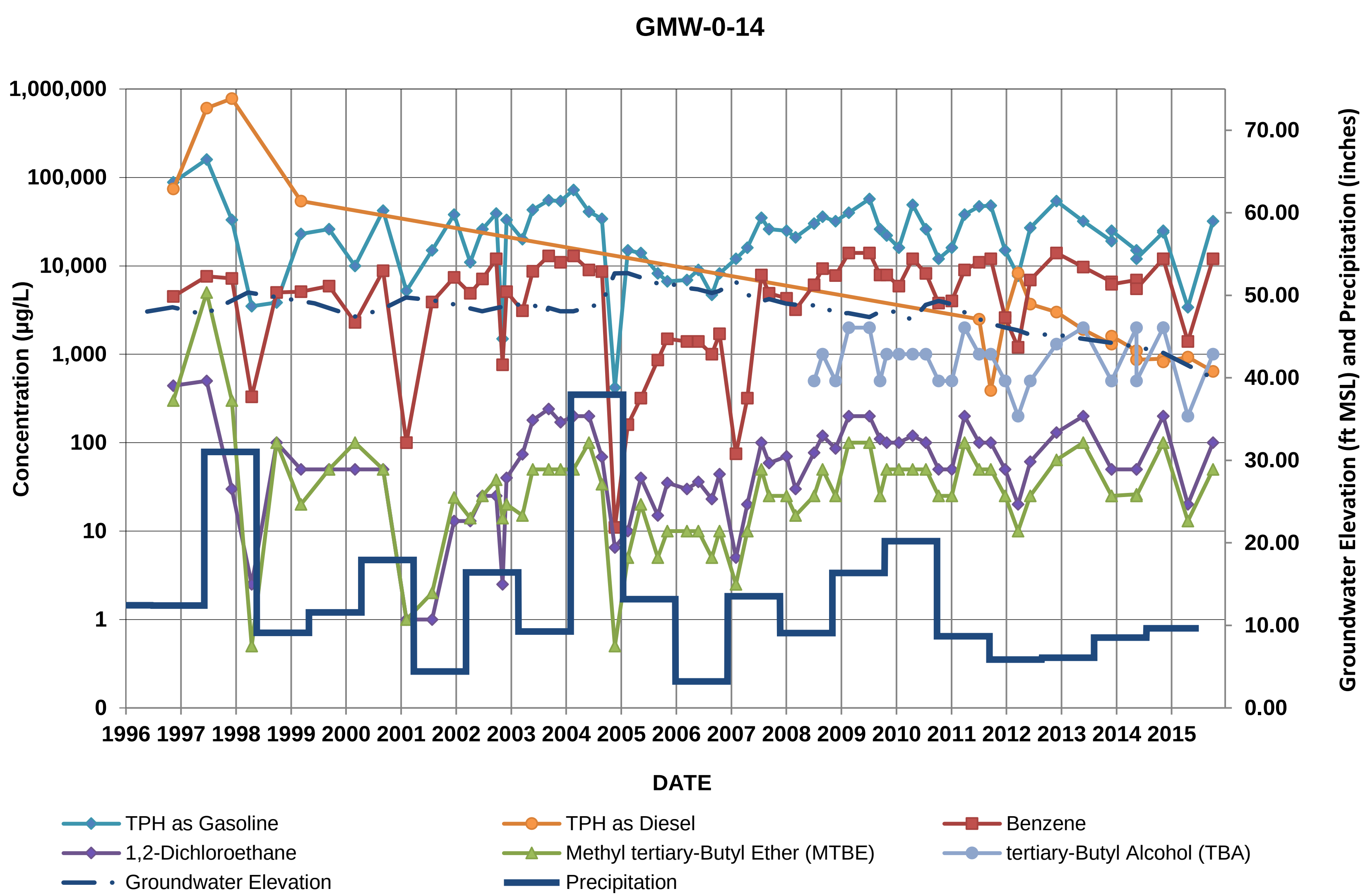
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

The Source Group, Inc.



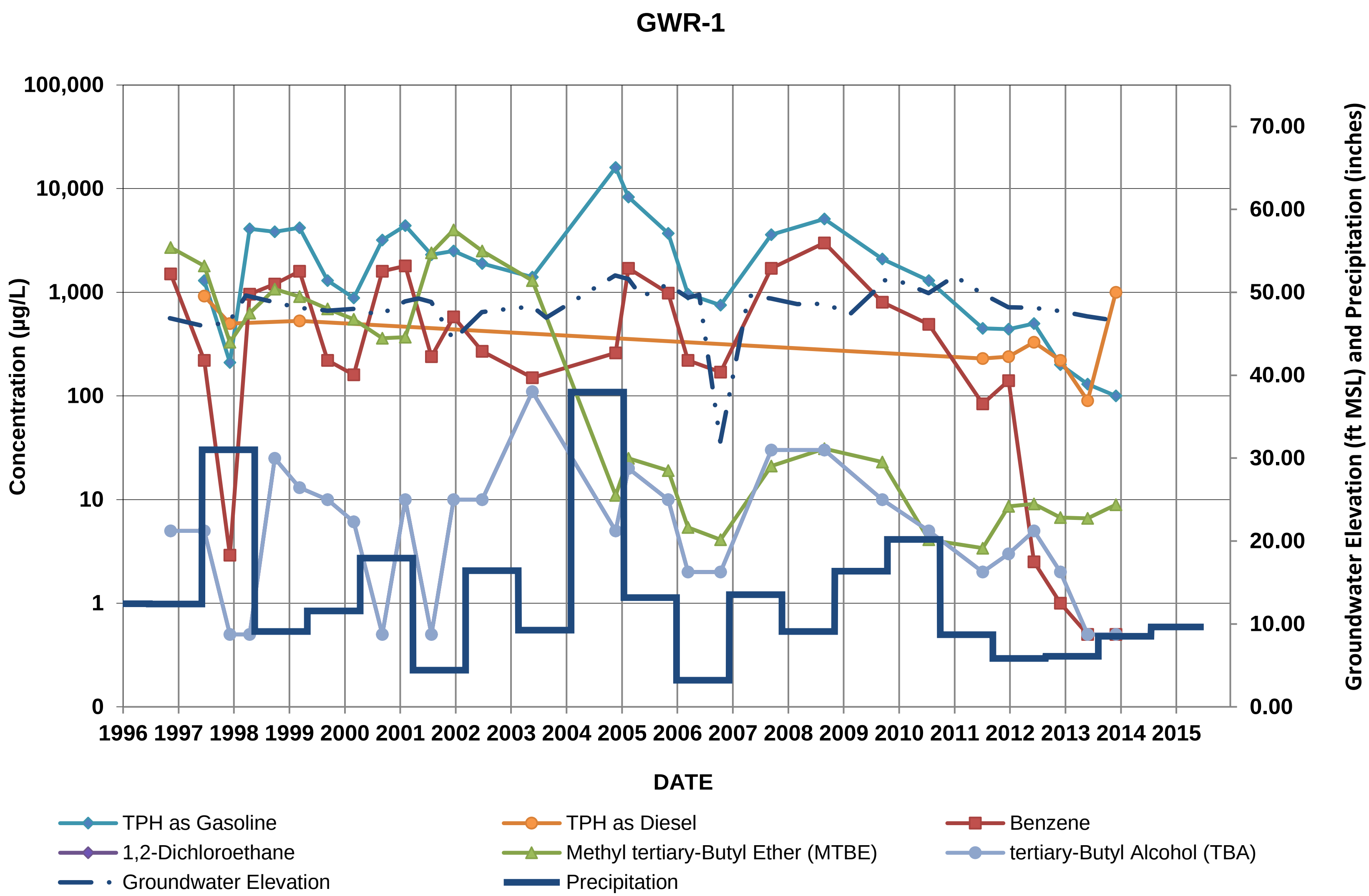
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

The Source Group, Inc.



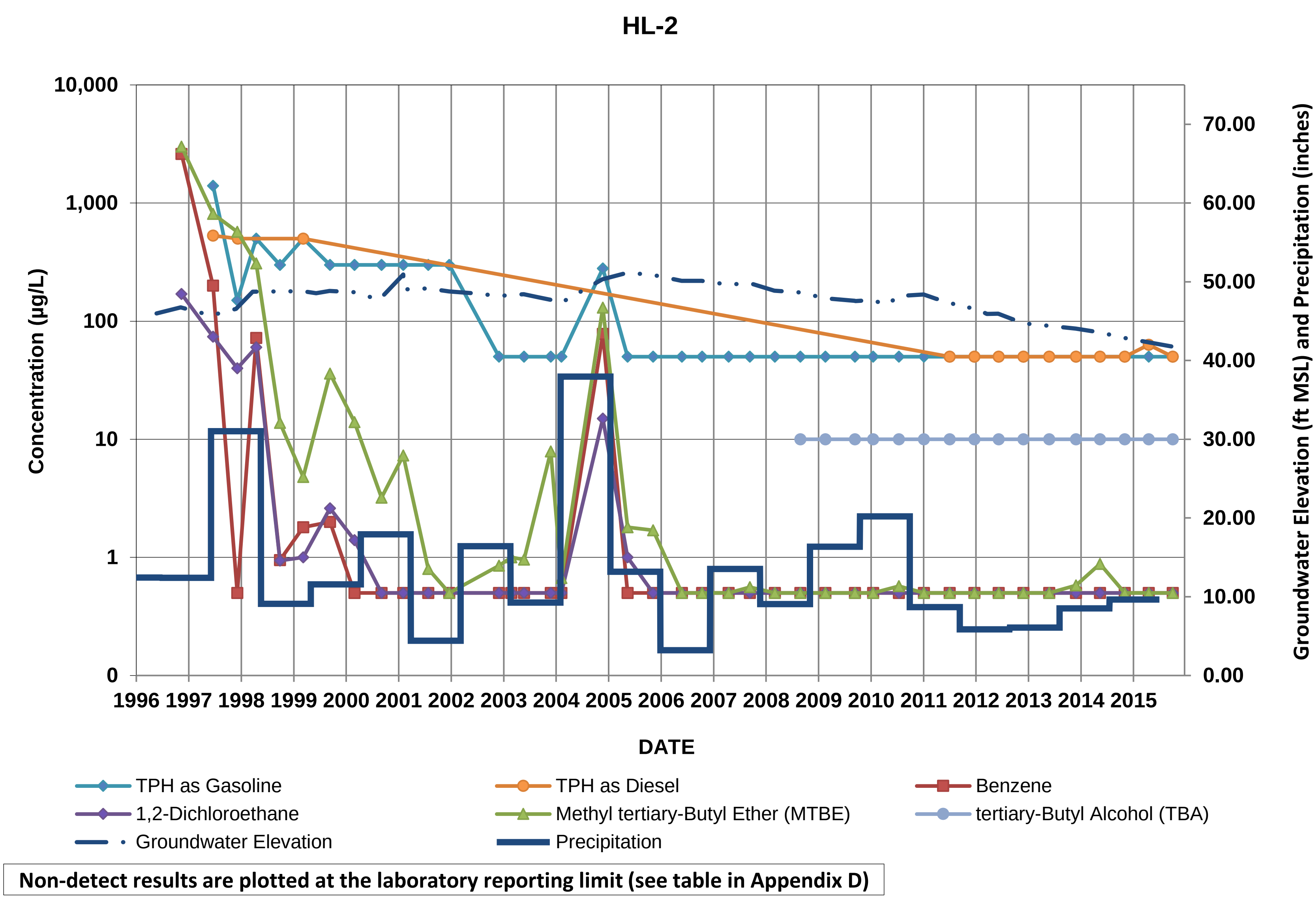
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

The Source Group, Inc.

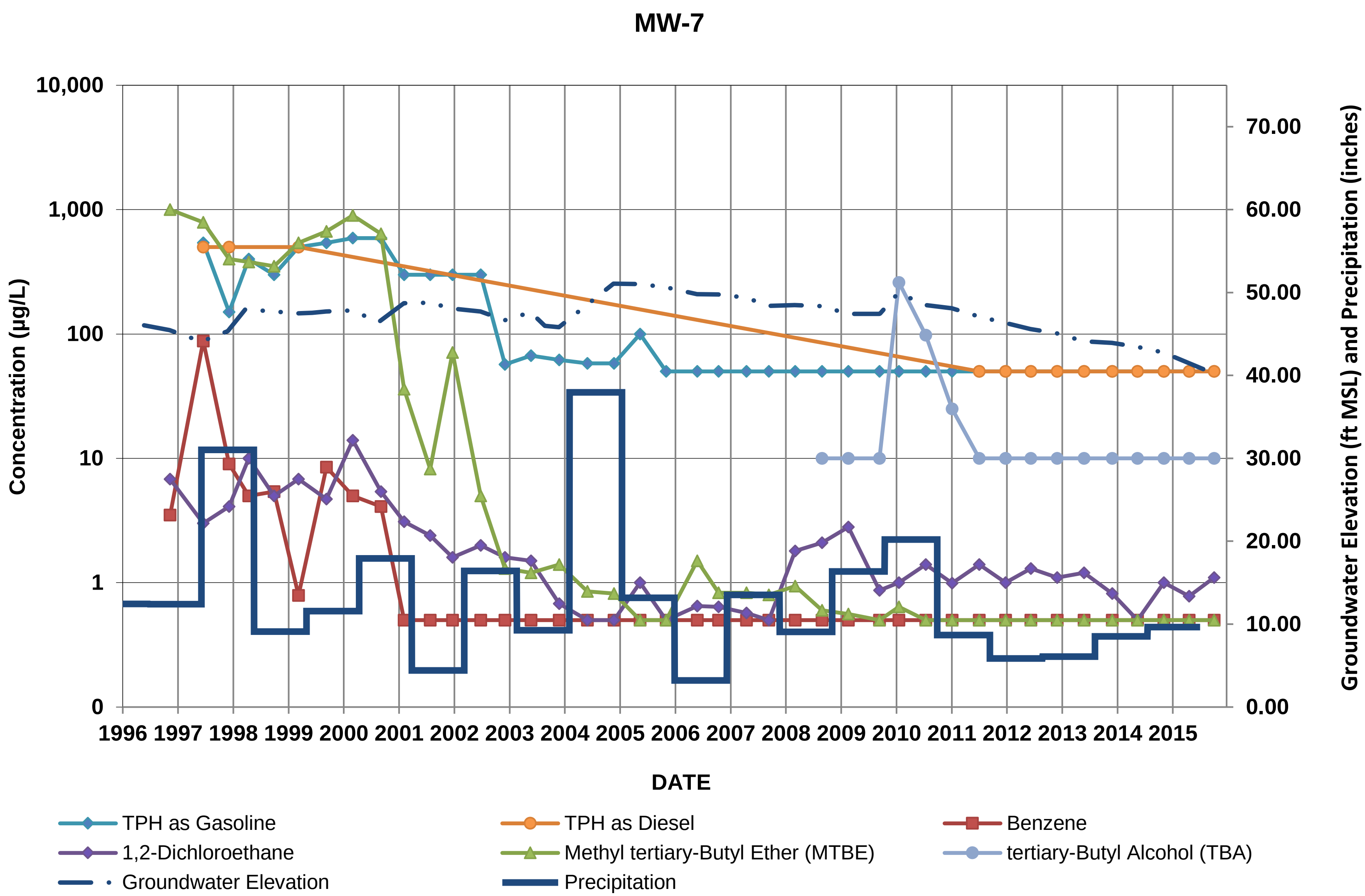


Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

The Source Group, Inc.

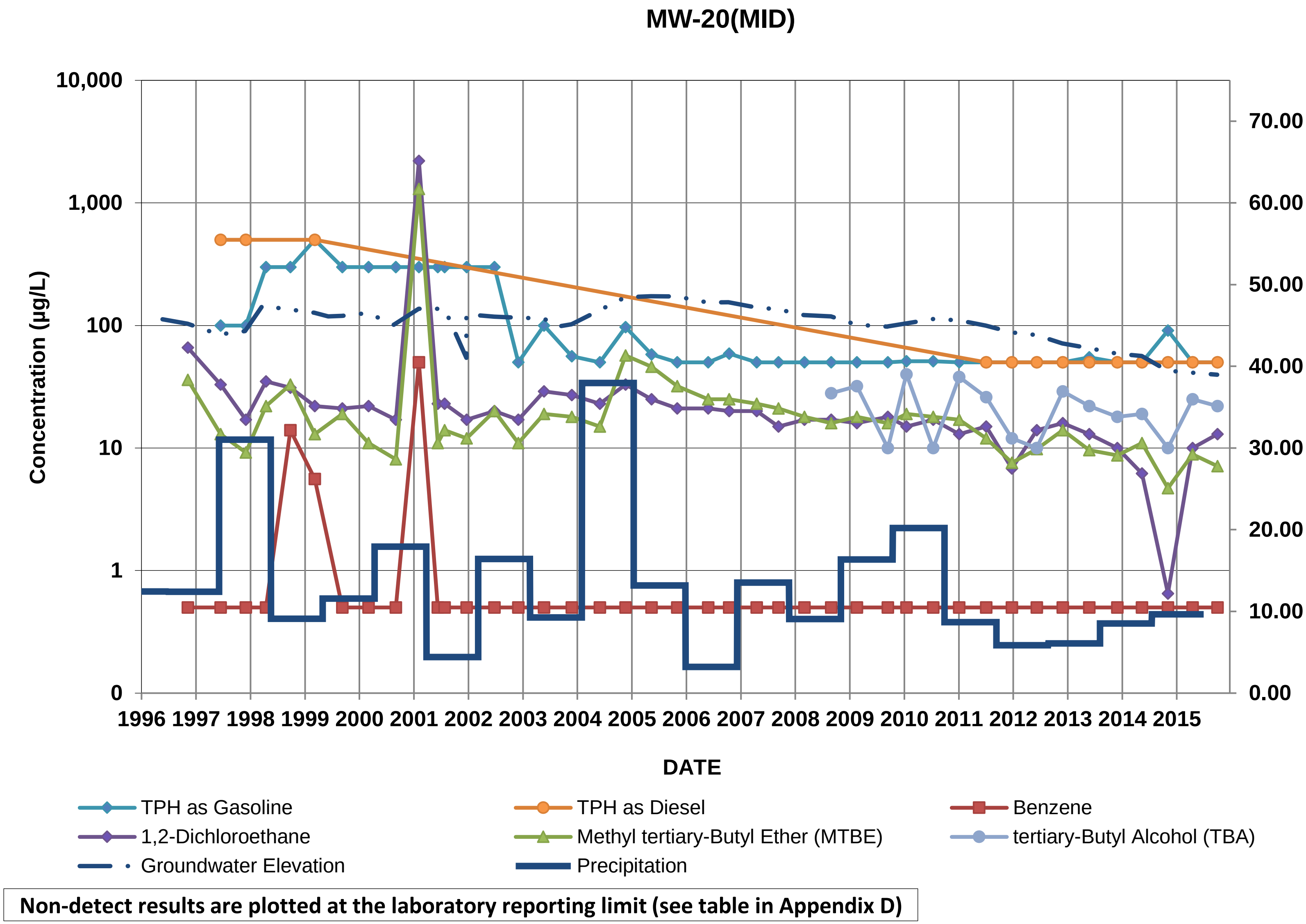


The Source Group, Inc.

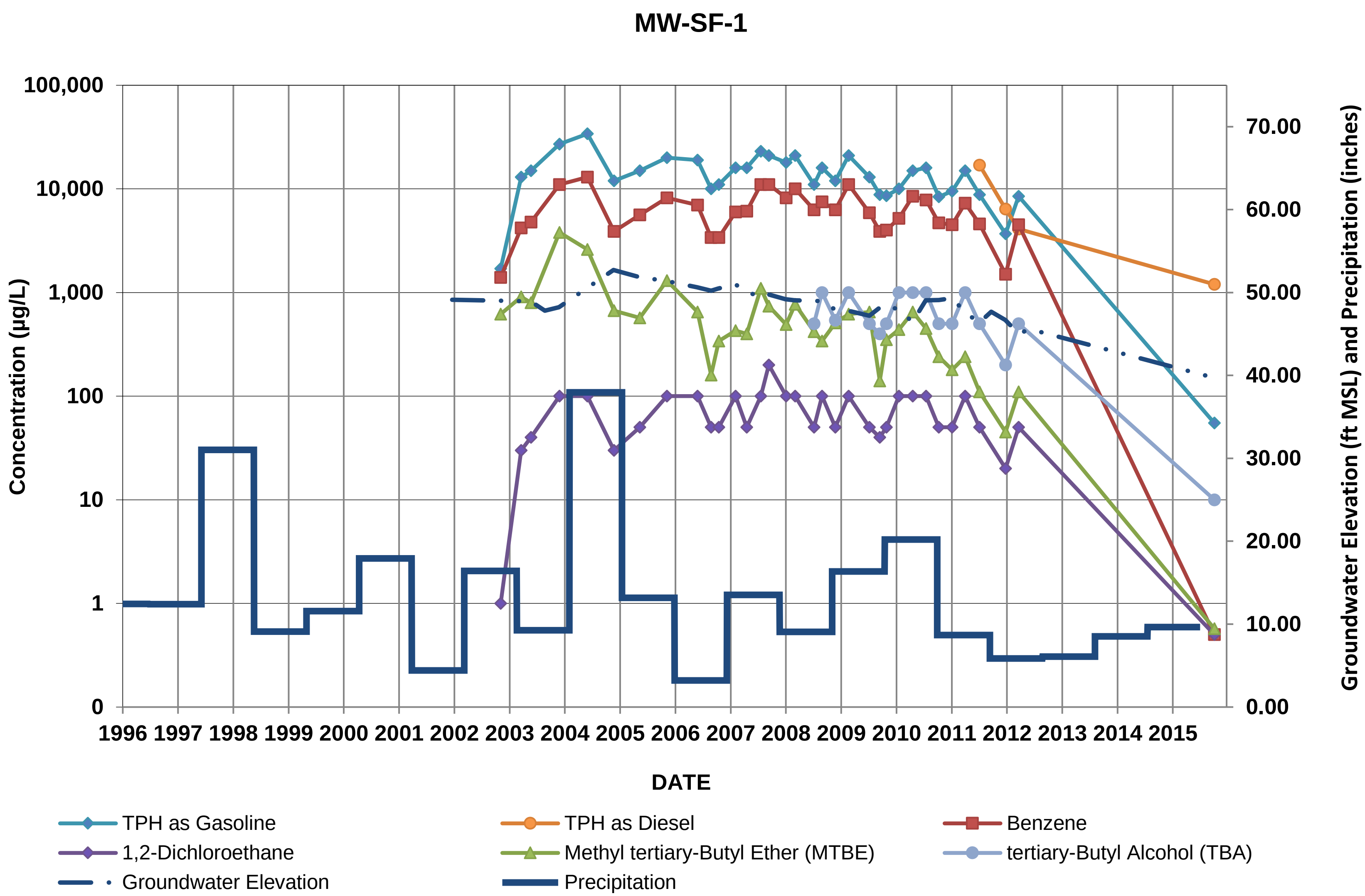


Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

The Source Group, Inc.

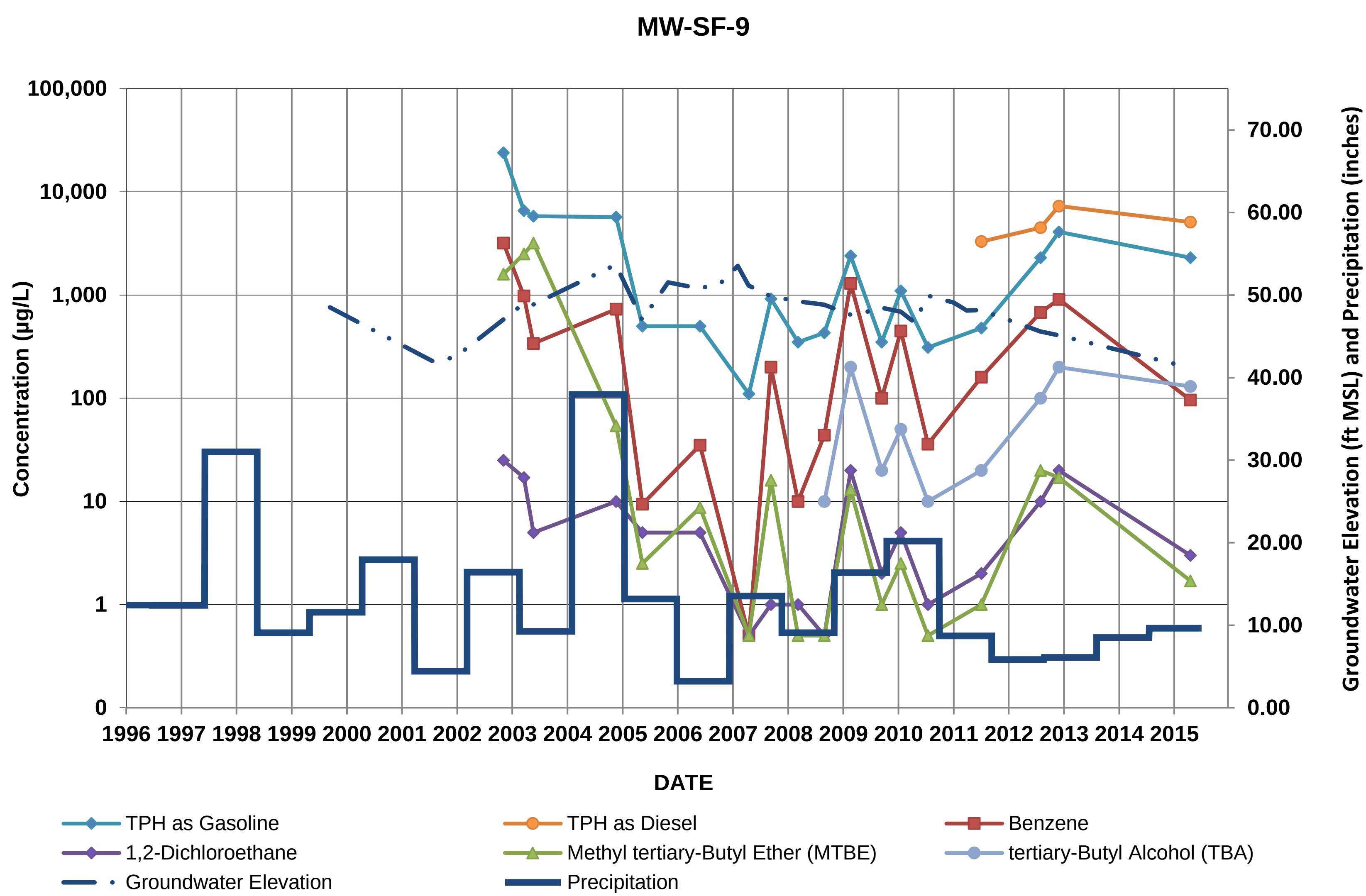


The Source Group, Inc.



Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

The Source Group, Inc.

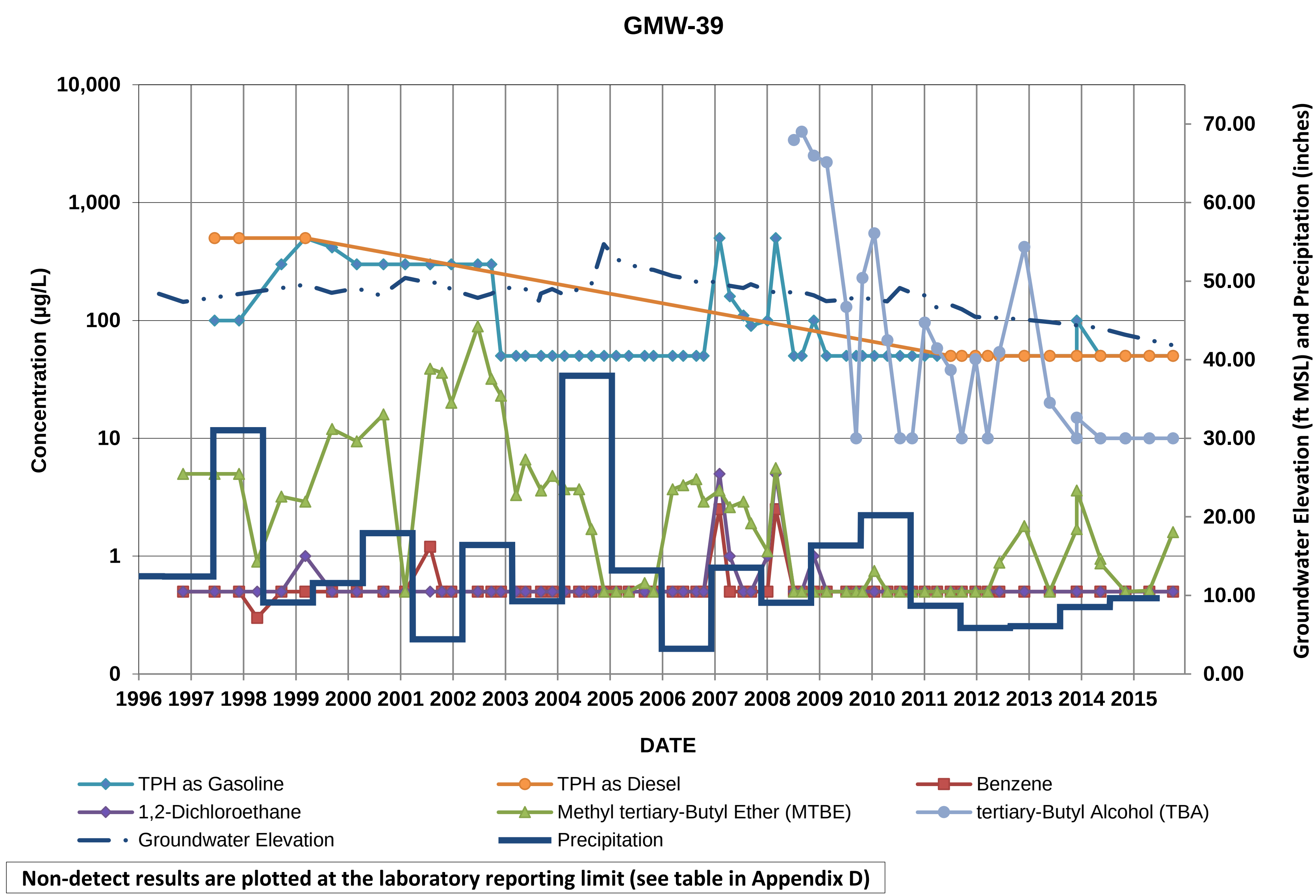


Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

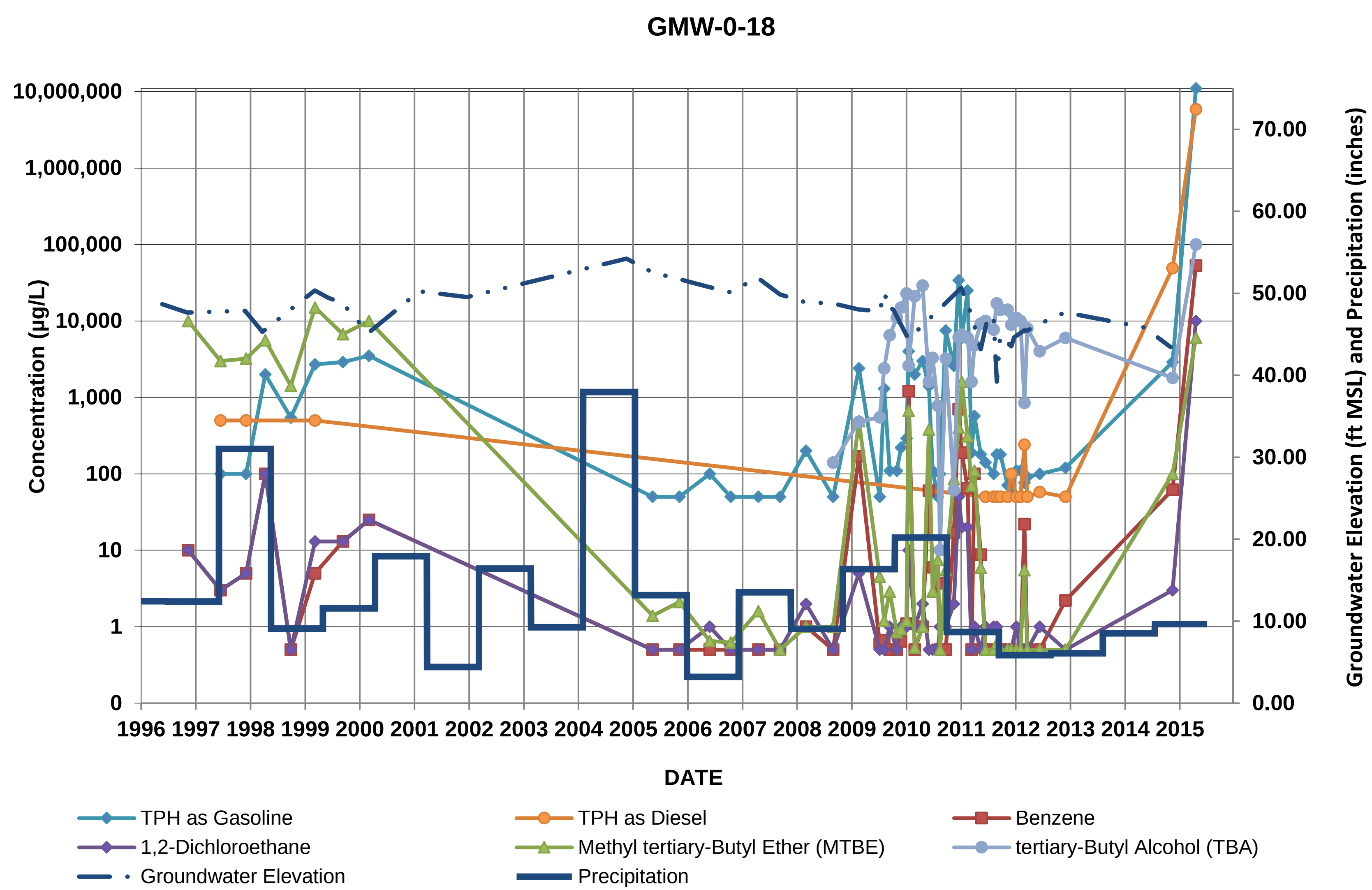
The Source Group, Inc.

SOUTHEASTERN 24-INCH BLOCK VALVE AREA

GMW-39, GMW-O-18, MW-8, AND PZ-5

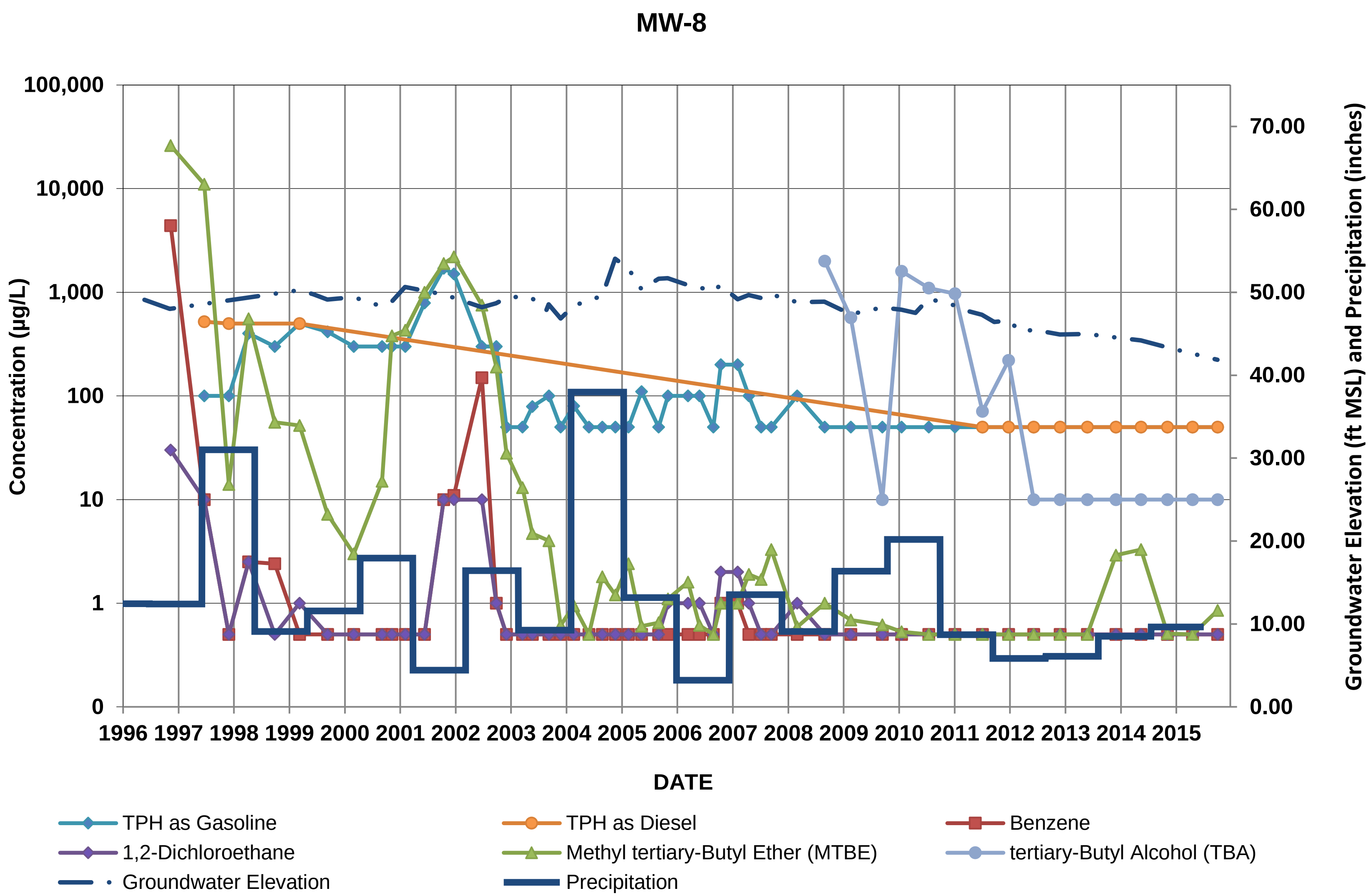


The Source Group, Inc.



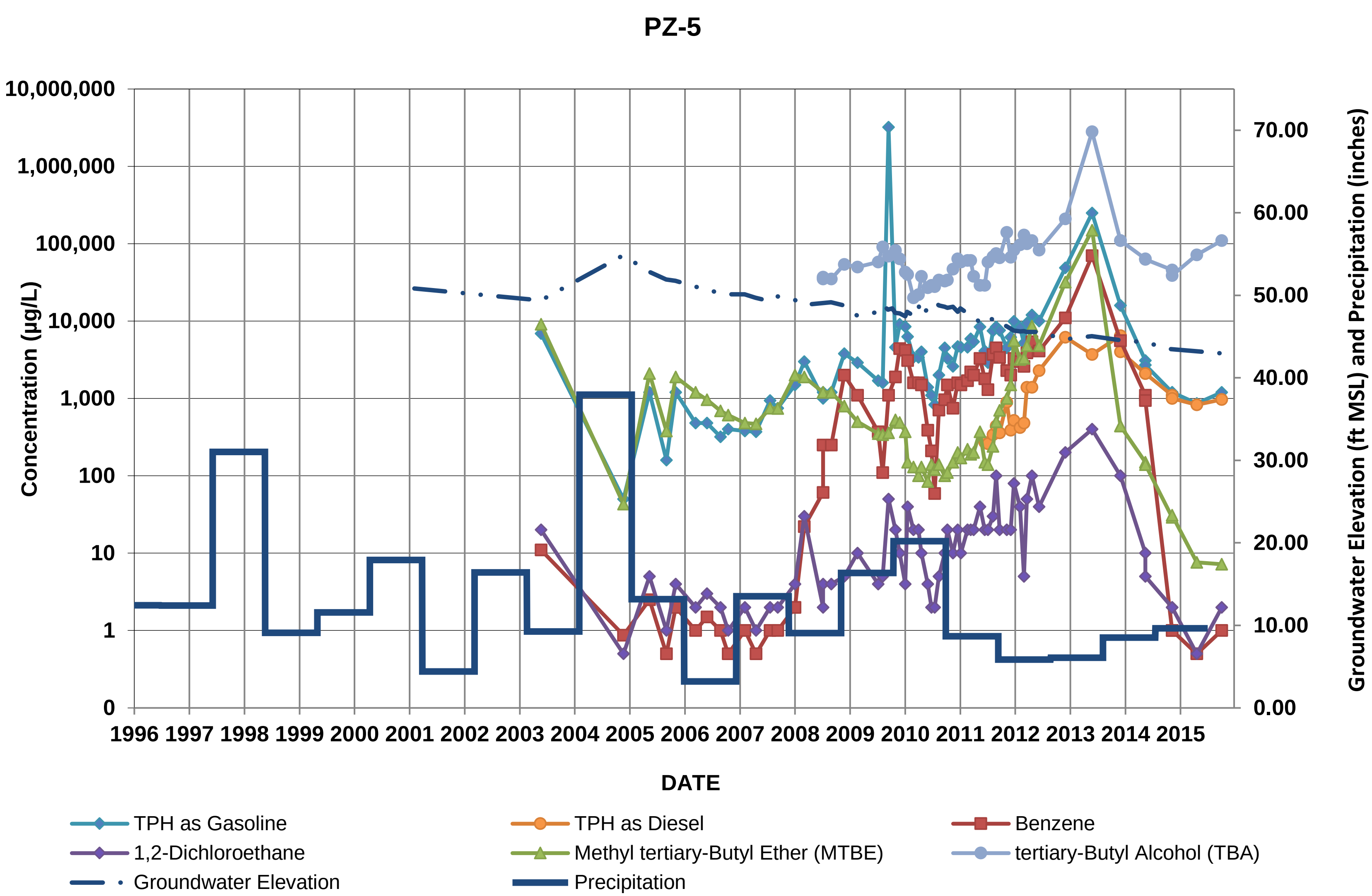
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

The Source Group, Inc.



Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

The Source Group, Inc.



Non-detect results are plotted at the laboratory reporting limit (see table in Appendix D)

The Source Group, Inc.