SECOND SEMIANNUAL 2014 GROUNDWATER MONITORING AND SAMPLING REPORT

Defense Fuel Support Point Norwalk

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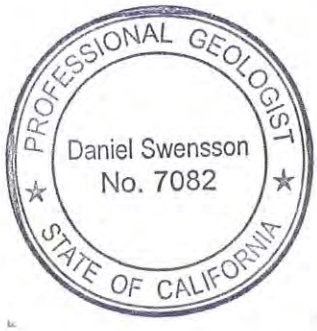

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1.0 INTRODUCTION

The Source Group, Inc. (SGI), prepared this groundwater monitoring report on behalf of the Defense Logistics Agency Energy (DLA-Energy) and Santa Fe Pacific Pipeline, LP (SFPP), an operating partnership of Kinder Morgan Energy Partners, L.P. (KMEP), to summarize the results of the second semiannual 2014 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-Energy (Parsons, September 2013) and SFPP (CH2M HILL, May 2013). The Regional Water Quality Control Board (RWQCB) approved the sampling plans on October 23, 2013, and June 27, 2013, respectively.

DLA-Energy and SFPP jointly perform semiannual groundwater monitoring and sampling at the site to address respective impacts to groundwater by each entity. DLA-Energy contracted SGI and SFPP contracted CH2M HILL 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-Energy. SGI was retained by DLA-Energy 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-Energy. 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 October 2014 semiannual 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 nonaqueous 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-Energy wells were gauged by SGI personnel and SFPP wells were gauged by Blaine Tech on October 27, 2014. Because SGI did not have an access agreement with the City of Norwalk to work in Holifield Park, the four DLA-Energy wells located in Holifield Park were gauged by Blaine Tech on October 27, 2014. The majority of the wells were purged and sampled from October 27 to November 3, 2014. Monitoring wells GMW-63, GMW-64, and GMW-65, located in Holifield Park, were purged and sampled by SGI on December 17, 2014, after the access agreement was finalized.

During this semiannual sampling event, liquid levels were measured in 166 wells and groundwater samples were collected for analysis from 108 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-Energy) 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-Energy 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

At least one week prior to commencement of gauging, purging, or sampling activities, SFPP's and DLA-Energy's remediation systems were shut down to allow groundwater levels to recover to static conditions. DLA-Energy's systems were down for approximately one week; SFPP's systems were off line since July 2014 to facilitate processing of their new South Coast Air Quality Management District (SCAQMD) compliance permits. Subsequently, SGI and Blaine Tech 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, non-detergent cleanser, and then rinsed successively in two containers with distilled water prior to each measurement.

Before sampling, each well was purged using low-flow purge techniques. Flowrates ranged from approximately 0.08 to 0.13 gallons per minute (gpm; approximately 300 to 500 milliliters per minute [mL/min]), averaging 0.11 gpm (432 mL/min). During purging, groundwater field parameters (temperature, pH, electrical conductivity, turbidity, dissolved oxygen, and oxidation-reduction potential) were monitored. Water levels also were monitored during low-flow purging to verify and ensure minimal drawdown. Between approximately 0.95 and 2.77 gallons (3,600 to 10,500 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-Energy were collected using a 2-inch-diameter Mega-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-Energy 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-Energy 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 the semiannual monitoring event are described in the following section. DLA-Energy's groundwater extraction systems were shut down approximately one week prior to the second semiannual 2014 groundwater gauging and sampling activities. SFPP's systems were off line since July 2014. 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. 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),
- Four wells screened near the bottom of the uppermost aquifer [MW-18(MID), MW-19(MID), MW-20(MID), and MW-22(MID)], and
- Three wells with groundwater elevations that appear anomalous based upon comparison with surrounding groundwater elevations (GMW-23, GWR-1, and MW-SF-15).

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 25.59 to 37.57 feet below the tops of the well casings. Groundwater elevations in these wells ranged from 39.86 to 46.59 feet above mean sea level (MSL). Since the April 2014 monitoring event, groundwater elevations dropped an average of 0.41 foot in uppermost groundwater zone wells that did not contain floating product. Changes in elevation ranged from a decrease of 1.97 feet in MW-SF-15 to an increase of 0.29 foot in WCW-2.

The groundwater potentiometric surface is depicted on Figure 2. As in previous monitoring events, the dominant groundwater gradient is generally northward (northeast to northwest), with local deviations. Gradients generally converge toward the site and range from approximately 0.001 to 0.003 feet per foot (ft/ft). Groundwater mounding was indicated in the central tank farm area in the

vicinity of GMW-18, in the south-central area in the vicinity of GMW-29, and in the eastern tank farm area in the vicinity of GMW-59. Groundwater depressions were interpreted in the western tank farm area (as indicated by relatively lower elevations in GW-1, GW-7, and GW-13 in the northwestern area and in GMW-8 and GMW-40 in the west-central area) and in the central tank farm area in the vicinity of GMW-44. A groundwater depression was also interpreted off site to the southeast based upon relatively lower elevations in GMW-O-15 and GMW-O-16.

Historically, the overall gradient direction (when groundwater extraction wells are not in operation) in the uppermost aquifer has been to the north-northwest. General gradient conditions encountered during this monitoring event reflect a very low to nearly flat gradient in the central tank farm area with gradients converging toward the site from the west, southwest, south, southeast, and east.

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 39.86 to 43.93 feet above MSL.

3.1.2 Exposition Aquifer

Depth to groundwater in the Exposition Aquifer wells ranged from 59.11 to 52.58 feet below the tops of the well casings. Groundwater elevations in the Exposition Aquifer wells ranged from 19.83 to 20.86 feet above MSL. Since the April 2014 monitoring event, groundwater elevations dropped an average of 3.01 feet in the Exposition Aquifer wells. Decreases in elevation ranged from 2.93 feet in EXP-1 to 3.16 feet in EXP-5.

The groundwater potentiometric surface for the Exposition Aquifer is shown on Figure 3. As in previous monitoring events, the groundwater gradient in the Exposition Aquifer is toward the southeast at approximately 0.0003 ft/ft. The groundwater gradient direction in the Exposition Aquifer remains opposite that of the uppermost groundwater zone.

3.2 Distribution of Floating Product

During this semiannual monitoring event, measurable floating product was observed in 36 of the 166 wells that were gauged during this monitoring event:

- North-central area: GMW-7, GMW-35, TF-15, TF-16, TF-18, TF-19, TF-20, and TF-23;
- Eastern area: GMW-62 and GW-15;
- Truck rack area: GMW-4;
- South-central area: GMW-9, GMW-10, GMW-22, GMW-24, GMW-25, GMW-30, GMW-O-11, GMW-O-12, GMW-O-20, GMW-O-21, GMW-O-23, GWR-3, MW-O-2,

MW-SF-1, MW-SF-2, MW-SF-3, MW-SF-4, MW-SF-6, MW-SF-9, MW-SF-11, MW-SF-12, MW-SF-13, and MW-SF-14; and

- Southeastern area: GMW-36 and GMW-O-18.

Measured product thicknesses ranged from 0.01 to 5.63 feet. 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 2 and indicate floating product in the northern tank farm area (the north-central area), the eastern area, the truck rack area, the south-central area, and the southeastern 24-inch-diameter block valve area.

Since the previous monitoring event in April 2014, measured product thicknesses increased in 15 wells (GMW-10, GMW-22, GMW-30, GMW-62, GMW-O-11, GMW-O-12, GMW-O-18, GMW-O-20, GMW-O-21, GMW-O-23, MW-O-2, MW-SF-3, MW-SF-11, TF-16, and TF-19), decreased in 27 wells (GMW-4, GMW-7, GMW-9, GMW-18, GMW-21, GMW-24, GMW-25, GMW-35, GMW-36, GMW-41, GMW-45, GMW-O-15, GW-15, GWR-3, MW-15, MW-SF-1, MW-SF-2, MW-SF-4, MW-SF-6, MW-SF-9, MW-SF-12, MW-SF-13, MW-SF-14, MW-SF-16, TF-15, TF-18, and TF-23), and remained the same in TF-20. Changes in measured product thickness ranged from a decrease of 6.40 feet in MW-SF-9 to an increase of 3.62 feet in GMW-30. Overall, product thicknesses decreased by an average of 0.51 foot since April 2014. Floating product was not present GMW-18 (reported to contain 2.18 feet in April 2014), GMW-21 (reported to contain 0.06 foot in April 2014), GMW-41 (reported to contain 0.06 foot in April 2014), GMW-45 (reported to contain 0.15 foot in April 2014), GMW-O-15 (reported to contain 0.32 foot in April 2014), MW-15 (reported to contain 0.11 foot in April 2014), and MW-SF-16 (reported to contain 0.55 foot in April 2014). Floating product was measured in three wells that did not contain measureable product in April 2014 (3.62 feet, measured thickness, in GMW-30, 0.16 foot, measured thickness, in MW-O-2, and 1.34 feet, measured thickness, in TF-16). Areas impacted with floating product are shown on Figure 2.

Floating product was present in the north-central area in GMW-7, GMW-35, TF-15, TF-16, TF-18, TF-19, TF-20, and TF-23. The measured product thicknesses for these wells ranged from 0.01 foot in TF-23 to 1.43 feet in TF-18. The extent of the north-central floating product plumes are interpreted as isolated or separate plumes. In the eastern area, a limited area of floating product also was interpreted based on a measurable thickness of floating product in GMW-62 (5.63 foot, measured thickness) and GW-15 (0.05 foot, measured thickness). Floating product has been detected in both wells during past events.

Floating product was observed south of the truck rack area in GMW-4 (0.02 foot, measured thickness). Floating product was not detected in truck rack area well MW-15 (reported to contain 0.11 foot of product in April 2014).

Floating product was detected in the south-central area in GMW-9, GMW-10, GMW-22, GMW-24, GMW-25, GMW-30, GMW-O-11, GMW-O-12, GMW-O-20, GMW-O-21, GMW-O-23, GWR-3,

MW-O-2, MW-SF-1, MW-SF-2, MW-SF-3, MW-SF-4, MW-SF-6, MW-SF-9, MW-SF-11, MW-SF-12, MW-SF-13, and MW-SF-14. The measured product thicknesses for these wells ranged from 0.16 foot in MW-O-2 to 4.38 feet in GMW-O-12.

Floating product was detected in the southeastern 24-inch-diameter block valve area in GMW-36 (1.23 feet, measured thickness) and GMW-O-18 (0.43 foot, measured thickness) during this monitoring event.

The distribution of floating product based upon data collected in October 2014 was compared with the distribution in April 2014. The occurrence of floating product in the north-central area was not as widespread as indicated by the absence of product in GMW-18, GMW-21, GMW-41, and GMW-45, but floating product was measured in TF-16, where no product was observed in April 2014. As in April 2014, product was measured in eastern wells GMW-62 and GW-15, but measured thicknesses increased in GMW-62 and decreased in GW-15. Product was measured in one truck rack area well (0.02 foot in GMW-4), but was not measured in MW-15 (reported to contain 0.11 foot of product in April 2014). The south-central product plume is in the same general area as in April 2014, but extends further to the east and west based upon product measured in eastern well MW-O-2 and western well GMW-30 and does not extend as far to the northeast (floating product was not present in MW-SF-16). In the southeastern area, product was measured in GMW-36 and GMW-O-18, but was not observed in GMW-O-15 (reported to contain 0.32 foot in April 2014).

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 4, since the 2005/2006 El Niño, groundwater elevations in the uppermost aquifer declined an average of greater than 6 feet to the current low water levels across the site. Continued total fluids extraction (TFE), vacuum extraction, and manual bailing will remove the product that has accumulated due to these low water levels.

4.0 GROUNDWATER ANALYTICAL RESULTS

Groundwater quality results for the second semiannual 2014 monitoring event are discussed below in Section 4.1. Analytical results are summarized in Table 3 (TPH, BTEX compounds, 1,2-DCA, and fuel oxygenates) and Table 4 (additional detected VOCs) and shown on Figure 5 (TPH), Figure 6 (benzene), Figure 7 (1,2-DCA), Figure 8 (MTBE), and Figure 9 (TBA). Historical analytical results are summarized in Appendix D.

4.1 Results for Semiannual Event

The October 2014 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 5 through 9, respectively. Analytical results from the current semiannual monitoring event (October 2014) and two previous monitoring events (October 2013 and April 2014) also are included on these figures. The data labels are color-coded to indicate whether the concentrations from the October 2014 semiannual event are increasing, decreasing, or stable as compared with the data reported in October 2013. 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 3; additional detected VOCs are summarized in Table 4. 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 2014 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 during the semiannual monitoring event are summed and contoured as TPH on Figure 5. The separate concentrations of TPHg and TPHd are summarized in Table 3. TPHg was reported in 30 of the 98 sampled wells and TPHd was reported in 49 of the 98 sampled wells. The maximum concentration of TPHg was reported in south-central area well MW-SF-16 (100,000 µg/L), a well reported to contain 0.55 foot of floating product in April 2014. The maximum concentration of TPHd was reported in the primary sample collected from central tank farm well GMW-18 (230,000 µg/L), a well reported to contain 2.16 feet of floating product in April 2014.

Since the April 2014 sampling event, TPHg concentrations increased in seven wells and decreased in 21 wells. TPHg decreased to non-detect in GMW-15, GMW-O-10, GWR-1, MW-9 (first time not detected), MW-19(MID), and MW-20(MID). TPHg were reported at historical lows in GMW-1, GMW-15, GMW-28, GMW-60 (primary sample), MW-SF-5, PZ-3, and TF-17 and was reported at historical highs in GMW-18, GW-2, GW-13, GW-16 (detected for the first time in the duplicate sample), GWR-1, MW-9, and MW-SF-16. TPHg were not reported in samples collected from the Exposition Aquifer wells during this semiannual monitoring event.

Since the April 2014 sampling event, TPHd concentrations increased in 20 wells and decreased in 24 wells. TPHd decreased to non-detect in GMW-40, GMW-O-10, and WCW-7. TPHd were reported at historical lows in GMW-15, GMW-17, GMW-58 (primary sample), GW-14, MW-18(MID), PZ-3, TF-9, TF-17, and TF-21 and was reported at historical highs in EXP-4 (first time detected), GMW-45, GMW-47, GMW-57, GW-2, GW-13 (first time detected), GWR-1, TF-8, and TF-24.

The current distribution of TPH in groundwater, shown on Figure 5, was compared with the TPH plumes interpreted based upon data collected in April 2014. The distribution of dissolved TPH is similar but extends further to the north in the northern tank farm area (TPH detected in GMW-6, GMW-19, GW-2, GW-13, and GW-16). TPH was not detected in western off-site well WCW-7 (reported to contain 125 µg/L in April 2014). In the western-central area, TPH was not detected in three wells that were reported to contain TPH in April 2014 [GMW-40, HL-3, and MW-19(MID)]. TPH-impacted groundwater extends off site to the south (TPH reported in GMW-O-10 and GMW-O-14), to the southeast (TPH reported in PZ-5), and to the east (TPH reported along the eastern border in GMW-60, GMW-61, and GW-16). Although TPH was not reported in western off-site well WCW-7, the dissolved TPH plume was interpreted to extend off site in the northwest based upon TPH reported along the site boundary in GW-2, GW-13, and MW-22(MID).

Since October 2013, TPH concentrations decreased by 10 percent or more in 34 wells and increased by 10 percent or more in 13 wells. Decreases in TPH were noted in five wells east of the south-central floating product plume, off site to the east in the southeastern area (TPH decreased in GMW-O-16, GMW-O-19, and PZ-5), along the eastern border (TPH decreased in GMW-60, GMW-61, GMW-65, and MW-17, but increased in GW-16), along the northern border in EXP-2, GMW-5, GMW-56, GMW-66, and GW-16, and along the western border [TPH decreased in MW-22(MID) and WCW-5]. TPH increased in GW-2 and GW-13 in the northwestern corner of the site since October 2013.

4.1.2 Benzene

The distribution of dissolved benzene is shown on Figure 6. During this sampling event, benzene was reported in 25 of the 98 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 11,000 µg/L reported in south-central area well GMW-23. Benzene was not detected in off-site wells west of the site or in any of the Exposition Aquifer wells. Since the April 2014 sampling

event, benzene concentrations increased in 11 wells and decreased in 13 wells. Benzene decreased to non-detect (<0.50 µg/L) in GMW-19, GMW-61, GMW-O-9 and MW-26. Benzene was reported at the historical low in GMW-28, GMW-45, and MW-SF-5 and was reported at the historical high in GW-2, GMW-13 (this was the first time benzene was reported in GMW-13), GW-16, MW-SF-16, TF-9, and TF-17. The distribution of dissolved benzene is similar to the distribution seen during recent sampling events as discussed below.

Since October 2013, benzene concentrations decreased by 10 percent or more in nine wells and increased by 10 percent or more in 10 wells. Decreases in benzene were noted in two wells east of the south-central floating product plume (GMW-O-14 and MW-9), off site to the east in the southeastern area (benzene decreased in PZ-5, but increased in GMW-O-16), and along the eastern border (benzene decreased in GMW-60 and GMW-61, but increased in GW-16). Benzene increased in GW-2 and GW-13 in the northwestern corner of the site since October 2013.

4.1.3 1,2-Dichloroethane

The distribution of dissolved 1,2-DCA is shown on Figure 7. During this sampling event, 1,2-DCA was reported in 12 of the 98 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 10 µg/L reported in the MW-20(MID) along the western border of the site. A low concentration of 1,2-DCA was reported in Blaine Tech's sample collected from Exposition Aquifer well EXP-3 (0.52 µg/L) but was not detected (<0.50 µg/L) in the sample collected by SGI. 1,2-DCA was reported in western off-site wells WCW-3 (0.84 µg/L) and WCW-7 (7.5 µg/L). 1,2-DCA was not detected in any other off-site wells or in any other Exposition Aquifer wells during this sampling event. Since the April 2014 sampling event, 1,2-DCA concentrations increased in three wells [EXP-3, MW-22(MID), and WCW-7] and decreased in nine wells [GMW-8, GW-2, GW-13, MW-6, MW-7, MW-19(MID), MW-20(MID), MW-21(MID), and WCW-3]. 1,2-DCA decreased to the historical low in GW-2.

Analytical results reflect a 1,2-DCA groundwater plume in the western area of the site that extends off site to the northwest. Comparing the 1,2-DCA plume based upon the October 2014 analytical results with the April 2014 1,2-DCA plume, the 1,2-DCA plume is in in the same general area (1,2-DCA was reported in the same wells at similar concentrations). 1,2-DCA was also reported in the sample collected by Blaine Tech from EXP-3 (note that 1,2-DCA was not reported in the split sample collected by SGI). An isolated 1,2-DCA plume is therefore shown centered at EXP-3. 1,2-DCA has been intermittently reported at very low concentrations (near the laboratory reporting limit) in EXP-3 since January 2011.

The distribution of 1,2-DCA in groundwater, based upon the current analytical results, is shown on Figure 7. Since October 2013, 1,2-DCA concentrations decreased by 10 percent or more in seven wells and increased by 10 percent or more in three wells. Decreases in benzene were noted on site in western wells GW-2, MW-6, MW-7, MW-19(MID), and MW-20(MID) and off site to the west

in WCW-3 and WCW-7. 1,2-DCA increased in western on-site wells GW-13, MW-21(MID) and MW-22(MID) since October 2013.

As summarized in Appendix D and shown on Figure 7, 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.

4.1.4 Methyl Tertiary-Butyl Ether

The distribution of dissolved MTBE is shown on Figure 8. During this sampling event, MTBE was reported in 26 of the 98 sampled wells. Analytical results for MTBE in groundwater samples collected during this semiannual event ranged from non-detect in many of the wells to 440 µg/L reported in the southeastern off-site well PZ-5 (440 µg/L in both the primary and duplicate samples). Since the April 2014 sampling event, MTBE concentrations increased in 15 wells and decreased in 12 wells. MTBE decreased to non-detect in GMW-3, GMW-10, and GMW-59. MTBE was reported at the historical low in GMW-28 and MW-SF-5 and was reported at the historical high in EXP-1, MW-SF-16, PZ-3, and TF-17. The distribution of dissolved MTBE is similar to the distribution seen during recent sampling events as discussed below.

Based upon the analytical results for the October 2014 sampling event, five areas are impacted by MTBE. 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, and a small plume was interpreted in the east-central area based upon MTBE detected in EXP-1.

The dissolved MTBE present in the southcentral and western areas of the site extends to the northwest from the south-central floating product plume. Dissolved MTBE extends off site to the northwest based upon MTBE reported in off-site well WCW-7 (reported to contain 0.51 µg/L MTBE). The highest concentration was reported in MW-SF-16 (350 µg/L MTBE), near the area impacted with floating product. Dissolved MTBE is also present east of the south-central plume near the truck rack area based upon MTBE reported in GMW-14 and MW-9.

The distribution of MTBE in groundwater in April 2014 was compared with the distribution indicated by the October 2014 dataset. MTBE was detected in the southern and western areas of the site in April 2014, but were interpreted as one large impacted area around the southern floating product plume with small, isolated plumes where MTBE was detected to the east and northwest. Because there are no wells that were non-detect for MTBE between the southern floating product plume and wells reported to contain MTBE to the east and northwest, a larger, continuous MTBE plume was interpreted. MTBE does not extend as far to the northwest (MTBE not detected in GW-2 or GW-13) or to the east (MTBE not detected in GMW-3).

Dissolved MTBE is present in the southeastern corner of the site based upon MTBE detected in GMW-39 (3.6 and 1.7 µg/L MTBE) and MW-8 (2.9 µg/L MTBE) and extends off site to the east based upon MTBE reported in off-site well PZ-5 (440 µg/L MTBE in both the primary and duplicate

sampled). The plume is in the same general area as in April 2014, but the plume extends further to the north and west based upon MTBE detected in GMW-39 and MW-8, respectively. MTBE concentrations reported in GMW-39 and MW-8 are within the range of concentrations reported during previous sampling events. MTBE concentrations declined substantially in PZ-5 since April 2014, decreasing from 32,000 and 150,000 µg/L in April to 440 µg/L in October.

Dissolved MTBE detected in the north-central tank farm area indicate an MTBE plume centered in the basins of former Tanks 80007 and 80008 extending eastward (5.8 µg/L MTBE reported in GMW-47) and westward (MTBE reported in GMW-21 and PZ-3 [3.8 and 3.7 µg/L, respectively]). The highest concentration in this area was reported in GW-14 (20 µg/L MTBE). Comparing the north-central MTBE plume from April 2014 with the plume interpreted based upon October 2014 data, the plume does not extend as far to the south (MTBE not detect in GMW-32), to the east (MTBE not detected in GMW-48, GMW-57, GMW-58, or GMW-59), to the north (MTBE not detected in GMW-19 or GMW-45), or to the northwest (MTBE not detected in GMW-17, MW-24, or TF-8).

MTBE was reported in eastern Exposition Aquifer well EXP-1 (1.3 µg/L) in the sample collected by Blaine Tech, but was not detected in the split sample collected by SGI (<2.0 µg/L). MTBE has been reported in EXP-1 in during three historical sampling events (0.98 µg/L in July 2002, 0.44 µg/L [estimated value] in April 2010, and 0.45 µg/L [estimated value] in October 2010). Note that these isolated detections are very low and near or below the laboratory reporting limit.

The distribution of MTBE in groundwater, based upon the current analytical results, is shown on Figure 8. Since October 2013, MTBE concentrations decreased by 10 percent or more in 13 wells and increased by 10 percent or more in 11 wells. Decreases in MTBE were noted in in three wells east of the south-central floating product plume and in the southeastern area. MTBE decreased in on-site well GMW-39 and off-site wells GMW-O-24 and PZ-5, but increased in on-site well MW-8. Along the western border, MTBE decreased in on-site well MW-20(MID) and off-site well WCW-7 and increased in on-site wells MW-6 and MW-22(MID) since October 2013.

4.1.5 Tertiary-Butyl Alcohol

The distribution of dissolved TBA is shown on Figure 9. During this sampling event, TBA was reported in 20 of the 98 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 110,000 µg/L reported in southeastern off-site well PZ-5 (110,000 µg/L in both the primary and duplicate samples). Since the April 2014 sampling event, TBA concentrations increased in four wells and decreased in 21 wells. TBA decreased to non-detect in GMW-18, GMW-45, GMW-58, GMW-59, MW-13, MW-26, and TF-21 (this is the first time TBA was not reported in TF-21). TBA was reported at the historical low in TF-9 and TF-21 and was reported at the historical high in GMW-31, GMW-48, and MW-SF-5. The distribution of dissolved TBA is similar to the distribution reported during recent sampling events as discussed below.

The distribution of TBA in groundwater, based upon the current analytical results, is shown on Figure 9. Since October 2013, TBA concentrations decreased by 10 percent or more in 17 wells and increased by 10 percent or more in six wells. Decreases in TBA were noted in in several wells in the western area of the site and in several wells in the eastern area of the site (including on-site wells TMW-39 and GMW-61 and off-site wells GMW-O-16 and PZ-5. Wells where TBA increased since October 2013 are generally located in the central area of the site.

Based upon the analytical results for the October 2014 sampling event, several areas of the site are impacted by TBA. As shown on Figure 9, dissolved TBA plumes were interpreted in the south-central/southwestern area of the site, near the truck rack area, in the north-central tank farm area, in the southeastern corner, and in the eastern area of the site.

The dissolved TBA present in the south-central/southwestern area of the site extends northwestward from the south-central floating product plume. The highest concentration was reported in south-central well GMW-27 (260 and 340 µg/L). The south-central TBA plume is in the same general area as in April 2014, but is shown extending northwestward to MW-20(MID) [no data between MW-19(MID) and MW-20(MID) to suggest an isolated plume at MW-20(MID)]. In several areas of the site, dissolved TBA was interpreted as isolated plumes based upon non-detect results from nearby wells.

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 2014 sampling event. ETBE and TAME were not detected at or above laboratory reporting limits in any of the samples collected during the October 2014 sampling event. DIPE was reported in eight of the 98 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 200 µg/L reported in the south-central off-site well GMW-O-14 (200 µg/L in both the primary and duplicate samples). Since April 2014, DIPE decreased in five wells. DIPE was reported at the historical low in MW-19(MID), MW-20(MID), MW-SF-5 (first time DIPE was not detected), and WCW-7.

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 2014 semiannual event. A total of 14 duplicate groundwater samples, three split samples, 11 trip blanks, and 14 equipment blanks were submitted for analysis. Analytical results for duplicate and split groundwater samples and trip/equipment blanks are summarized in Tables 5 and 6, respectively. Results for duplicate and split samples were comparable with the results reported for the primary samples.

With the following exceptions, the trip blank and equipment blank samples were reported as non-detect for all analytes. As summarized in Table 6, analytes were detected at low concentrations in

three equipment blank samples collected by SGI: the October 29, 2014, equipment blank was reported to contain 180 µg/L TPHg, 0.63 µg/L sec-butylbenzene, 0.54 µg/L Isopropylbenzene, and 0.92 µg/L n-propylbenzene; the October 31, 2014, equipment blank was reported to contain 0.82 µg/L 1,2,4-trimethylbenzene; and the November 3, 2014, equipment blank was reported to contain 330 µg/L TPHg, 0.52 µg/L ethylbenzene, 2.1 µg/L total xylenes, 2.5 µg/L 1,2,4-trimethylbenzene, and 1.2 µg/L 1,3,5-trimethylbenzene.

4.3 Water Disposal

Purged groundwater from DLA-Energy sampling activities was treated at DLA-Energy's on-site remediation system located in the northern part 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 placed in sealed, labeled 55-gallon drums and staged at SFPP's remediation treatment pad until it was properly disposed at an off-site treatment facility.

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 events.

5.0 REMEDIATION SYSTEM OPERATIONS AND EFFECTIVENESS

5.1 System Operations

SFPP and DLA-Energy currently submit quarterly remediation progress reports to the RWQCB and RAB to provide details of the remediation system operations. DLA-Energy 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.

5.1.1 DLA-Energy

The remediation system operated at the site by DLA-Energy consists of SVE, GWE, biosparging, and absorbent sock installations for passive recovery of floating product. DLA Energy is conducting GWE in the northwestern corner of the site from two pumping wells (GW-2 and GW-13) 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. SVE also is underway from the horizontal wells that span the entire former aboveground tank farm area and from the northeastern boundary area. Localized vacuum recovery of floating product is also conducted as needed and passive absorption is conducted at specific wells.

5.1.2 SFPP

The remediation system operated by SFPP consists 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. SFPP also previously operated a GWE system for remediation of the western off-site area (or West Side Barrier area).

The SVE system was down since July 2014 because a leak was detected in the heat exchanger causing reduced treatment efficiency. During the downtime, SFPP modified the current SCAQMD permit (No.F13759 for the SVE system) to include the horizontal biosparge system that is planned to be operational by mid-2015. The heat exchanger was bypassed to eliminate the leakage in December 2014 and the system remained off line while waiting for the new permit to be issued by SCAQMD. The SCAQMD permit is anticipated to be finalized during the first quarter of 2015.

The groundwater treatment system was shut down for the majority of the third and fourth quarters 2014 to facilitate processing of the modification to SCAQMD Permit No.F14166 for the groundwater treatment system. The groundwater treatment system was turned on in December 2014 and remains on line for continued TFE operations in the south-central and southeastern areas. SFPP is currently extracting groundwater from seven wells in the south-central area (GMW-O-11, GMW-O-20, GMW-O-23, GMW-24, MW-SF-11, MW-SF-14, and MW-SF-16) and from three wells in the southeastern 24-inch-diameter block valve area (GMW-36, GMW-O-15, and GMW-O-18). SFPP's TFE and GWE systems are designed to contain and reduce the extent of floating product, provide hydraulic capture of dissolved COCs, and lower the

floating product surface (where present) and groundwater table, thus exposing more hydrocarbon-impacted soil for SVE. Additionally, during the third and fourth quarters 2014, SFPP conducted manual bailing of floating product in selected wells in the south-central and southeastern areas. A total of approximately 1,200 gallons of floating product was removed during this time.

Both SFPP and DLA-Energy remediation systems were off line at least one week prior to conducting semiannual monitoring in October 2014 to allow fluid levels to recover to near static conditions prior to gauging wells at the site. SFPP's West Side Barrier GWE system, which includes wells BW-1 through BW-9, has been shut down since August 2008. The north-central biosparging remediation system also remained offline during the second semiannual groundwater sampling event.

5.2 System Effectiveness

Based on the results presented in this report, it is believed that DLA-Energy'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 to just beyond GMW-62 which contained measureable floating product. The off-site extent of dissolved-phase constituents in the south-central area is limited to areas north of Cheshire Street, which is consistent with previous monitoring events.

In the southeastern area, the dissolved-phase plume also has been relatively stable. Hydrocarbon constituents were non-detect in off-site well GMW-O-24 during October 2014, likely indicating effective hydraulic containment in this area. Decreasing concentrations of MTBE and TBA in downgradient well GMW-39 also indicate that hydraulic containment has been effective. SFPP will continue to extract groundwater in the southeastern area and monitor for TBA 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 groundwater monitoring event of 2014, 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 during the first and second quarter 2015 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.

In 2015, DLA-Energy plans to excavate and treat contaminated vadose zone soils to depths up to 25 feet at the Site. It is anticipated that up to 100,000 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. During the fall of 2014, SFPP installed a horizontal biosparge well system in the south-central area with the objective of enhancing mass removal of free-phase and dissolved-phase hydrocarbon constituents. Pilot testing of the system is anticipated to commence by the third quarter 2015 and will be conducted for a period of approximately 1 year in order to evaluate the feasibility of system expansion.

6.0 SUMMARY

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

6.1 6.1 Groundwater Elevation and Gradient Conditions

Based upon the gauging results, groundwater elevations in the uppermost groundwater zone ranged from 39.86 to 46.59 feet above MSL. Since the April 2014 monitoring event, groundwater elevations dropped an average of 0.41 foot in uppermost groundwater zone wells that did not contain floating product. Groundwater gradients in the uppermost groundwater zone were generally northward (northeast to northwest). Gradients generally converge toward the site and ranged from approximately 0.001 to 0.003 ft/ft.

Groundwater elevations in the Exposition Aquifer wells ranged from 19.83 to 20.86 feet MSL. Since the April 2014 monitoring event, elevations in Exposition Aquifer wells dropped an average of 3.01 feet. The groundwater gradient in the Exposition Aquifer was toward the southeast at approximately 0.0003 ft/ft.

6.2 Distribution of Floating Product

During this semiannual monitoring event, measurable floating product was observed in 36 of the 166 wells that were gauged:

- North-central area: GMW-7, GMW-35, TF-15, TF-16, TF-18, TF-19, TF-20, and TF-23;
- Eastern area: GMW-62 and GW-15;
- Truck rack area: GMW-4;
- South-central area: GMW-9, GMW-10, GMW-22, GMW-24, GMW-25, GMW-30, GMW-O-11, GMW-O-12, GMW-O-20, GMW-O-21, GMW-O-23, GWR-3, MW-O-2, MW-SF-1, MW-SF-2, MW-SF-3, MW-SF-4, MW-SF-6, MW-SF-9, MW-SF-11, MW-SF-12, MW-SF-13, and MW-SF-14; and
- Southeastern area: GMW-36 and GMW-O-18.

Floating product was detected at thicknesses ranging from 0.01 to 5.63 feet. Since the April 2014 monitoring event, measured product thicknesses increased in 15 wells, decreased in 27 wells, and remained the same in TF-20. Overall, product thicknesses decreased by an average of 0.51 foot since April 2014. Changes in measured product thickness ranged from an increase of 3.62 feet in GMW-30 to a decrease of 6.40 feet in MW-SF-9. 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 2014 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 during the first and second quarters of 2015 to maximize product removal across the site.

6.3 Dissolved-Phase Constituents

6.3.1 Total Petroleum Hydrocarbons

TPHg was reported in 30 of the 98 sampled wells and TPHd was reported in 49 of the 98 sampled wells. Concentrations of TPHg ranged up to 100,000 µg/L in south-central area well MW-SF-16 (a well reported to contain 0.11 foot of floating product in April 2014). Concentrations of TPHd ranged up to 230,000 µg/L in central tank farm well GMW-18 (a well reported to contain 2.16 feet of floating product in April 2014).

Since April 2014, TPHg concentration increased in seven wells and decreased in 21 wells. TPH decreased to non-detect in GMW-15, GMW-O-10, GWR-1, MW-9 (first time not detected), MW-19(MID), and MW-20(MID). TPHg were reported at historical lows in GMW-1, GMW-15, GMW-28, GMW-60 (primary sample), MW-SF-5, PZ-3, and TF-17 and were reported at historical highs in GMW-18, GW-2, GW-13, GW-16 (detected for the first time in the duplicate sample), GWR-1, MW-9, and MW-SF-16. TPHg were not reported in samples collected from the Exposition Aquifer wells during this semiannual monitoring event.

Since the April 2014 sampling event, TPHd concentrations increased in 20 wells and decreased in 24 wells. TPHd decreased to non-detect in GMW-40, GMW-O-10, and WCW-7. TPHd were reported at historical lows in GMW-15, GMW-17, GMW-58 (primary sample), GW-14, MW-18(MID), PZ-3, TF-9, TF-17, and TF-21 and was reported at historical highs in EXP-4 (first time detected), GMW-45, GMW-47, GMW-57, GW-2, GW-13 (first time detected), GWR-1, TF-8, and TF-24.

Compared with the TPH plumes interpreted based upon data collected in April 2014, the distribution of dissolved TPH is similar but extends further to the north in the northern tank farm area (TPH detected in GMW-6, GMW-19, GW-2 and GW16). TPH was not detected in western off-site well WCW-7 (reported to contain 125 µg/L in April 2014). In the western-central area, TPH was not detected in five wells that were reported to contain TPH in April 2014 [GMW-40, GMW-41, HL-3, MW-19(MID), and MW-20(MID)]. TPH-impacted groundwater extends off site to the south (TPH reported in GMW-O-10 and GMW-O-14), to the southeast (TPH reported in PZ-5), and to the east (TPH reported along the eastern border in GMW-60, GMW-61, and GW-16). Although TPH was not reported in western off-site well WCW-7, the dissolved TPH plume was interpreted to extend off site in the northwest based upon TPH reported along the site boundary in GW-2, GW-13, and MW-22(MID).

6.3.2 Benzene

Benzene was reported in 25 of the 98 sampled wells. Benzene concentrations ranged from non-detect (<0.50 µg/L) in many of the wells to 11,000 µg/L reported in south-central area well

GMW-23. Benzene was not detected in off-site wells west of the site or in any of the Exposition Aquifer wells.

Since April 2014, benzene concentrations increased in 11 wells and decreased in 13 wells. Benzene decreased to non-detect (<0.50 µg/L) in GMW-19, GMW-61, GMW-O-9 and MW-26. Benzene was reported at the historical low in GMW-28, GMW-45, and MW-SF-5 and was reported at the historical high in GW-2, GMW-13 (this was the first time benzene was reported in GMW-13), GW-16, MW-SF-16, TF-9, and TF-17. 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 12 of the 98 sampled wells. 1,2-DCA concentrations ranged from non-detect (<0.50 µg/L) in many of the wells to 10 µg/L reported in the MW-20(MID) along the western border of the site. A low concentration of 1,2-DCA was reported in Blaine Tech's sample collected from Exposition Aquifer well EXP-3 (0.52 µg/L 1,2-DCA) but was not detected (<0.50 µg/L) in the sample collected by SGI. Note that 1,2-DCA has been intermittently reported at very low concentrations in EXP-3 since January 2011. 1,2-DCA was reported in western off-site wells WCW-3 (0.84 µg/L) and WCW-7 (7.5 µg/L). 1,2-DCA was not detected in any other off-site wells or in any other Exposition Aquifer wells during this sampling event.

Since April 2014 sampling event, 1,2-DCA concentrations increased in three wells [EXP-3, MW-22(MID), and WCW-7] and decreased in nine wells [GMW-8, GW-2, GW-13, MW-6, MW-7, MW-19(MID), MW-20(MID), MW-21(MID), and WCW-3]. 1,2-DCA decreased to the historical low in GW-2.

Analytical results reflect a 1,2-DCA groundwater plume in the western area of the site that extends off site to the northwest. Comparing the 1,2-DCA plume based upon the October 2014 analytical results with the April 2014 1,2-DCA plume, the 1,2-DCA plume is in in the same general area (1,2-DCA was reported in the same wells at similar concentrations).

6.3.4 Methyl Tertiary-Butyl Ether

MTBE was reported in 26 of the 98 sampled wells. Concentrations of MTBE ranged from non-detect in many of the wells to 440 µg/L reported in the southeastern off-site well PZ-5 (440 µg/L in both the primary and duplicate samples). MTBE was reported in eastern Exposition Aquifer well EXP-1 (1.3 µg/L). MTBE was been reported in EXP-1 in during three historical sampling events (0.98 µg/L in July 2002, 0.44 µg/L [estimated value] in April 2010, and 0.45 µg/L [estimated value] in October 2010).

Since the April 2014 sampling event, MTBE concentrations increased in 15 wells and decreased in 12 wells. MTBE decreased to non-detect in GMW-3, GMW-10, and GMW-59. MTBE was reported at the historical low in GMW-28 and MW-SF-5 and was reported at the historical high in EXP-1, MW-SF-16, PZ-3, and TF-17.

The distribution of dissolved MTBE is similar to the distribution seen during recent sampling events. Based upon the analytical results for the October 2014 sampling event, four areas are impacted by MTBE. MTBE was present in the southern and western area of the site, 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.

6.3.5 Tertiary-Butyl Alcohol

TBA was reported in 20 of the 98 sampled wells. Concentrations of TBA ranged from non-detect (<10 µg/L) in many of the wells to 110,000 µg/L reported in the southeastern off-site well PZ-5 (110,000 µg/L in both the primary and duplicate samples).

Since the April 2014 sampling event, TBA concentrations increased in four wells and decreased in 21 wells. TBA decreased to non-detect in GMW-18, GMW-45, GMW-58, GMW-59, MW-13, MW-26, and TF-21 (this is the first time TBA was not reported in TF-21). TBA was reported at the historical low in TF-9 and TF-21 and was reported at the historical high in GMW-31, GMW-48, and MW-SF-5.

The distribution of dissolved TBA is similar to the distribution seen during recent sampling events. Based upon the analytical results for the October 2014 sampling event, several areas of the site are impacted by TBA. TBA was present in the southern and western areas of the site, in the north-central tank farm area, in the southwestern corner of the site, and in the eastern area of the site.

The dissolved TBA present in the southern and western area of the site and was also detected in two wells in the truck rack area. Dissolved TBA extends from the southern floating product plume to the northwest. The highest concentration was reported in GMW-27 (260 and 340 µg/L TBA), northwest of the area impacted with floating product. The southwestern TBA plume is in the same general area as in April 2014, but is shown extending northwestward to MW-20(MID) [no data between MW-19(MID) and MW-20(MID) to suggest an isolated plume at MW-20(MID)].

6.3.6 Other Fuel Oxygenates

Other fuel oxygenates including ETBE, DIPE, and TAME were analyzed during the October 2014 sampling event. ETBE and TAME were not detected at or above laboratory reporting limits in any of the samples. DIPE was reported in eight of the 98 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 200 µg/L reported in the south-central off-site well GMW-O-14 (200 µg/L in both the primary and duplicate samples). Since April 2014, DIPE decreased in five wells. DIPE was reported at the historical low in MW-19(MID), MW-20(MID), MW-SF-5 (first time DIPE was not detected), and WCW-7. 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-Energy 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-Energy and RWQCB personnel in applying their own professional judgment in making decisions related to the property. SGI and DLA-Energy 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-Energy. To the extent that this report is based on information provided to SGI by third parties, including DLA-Energy, 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

California Regional Water Quality Control Board, Los Angeles Region (RWQCB). 2013. Letter dated June 27, 2013, to Mr. Steve Defibaugh, Kinder Morgan Energy Partners; Approval of Revised Groundwater Sampling and Analysis Plan, Defense Fuel Support Point Norwalk, 15306 Norwalk Boulevard, Norwalk, California (SCP No. 0286B, Site No. 204DM00).

RWQCB. 2013. Letter dated October 23, 2013, to Mr. John O'Donovan, DLA Installation Support - Energy; Approval of Revised Groundwater Sampling and Analysis Plan, Defense Fuel Support Point Norwalk, 15306 Norwalk Boulevard, Norwalk, California (SCP No. 0286A, Site ID No. 16638).

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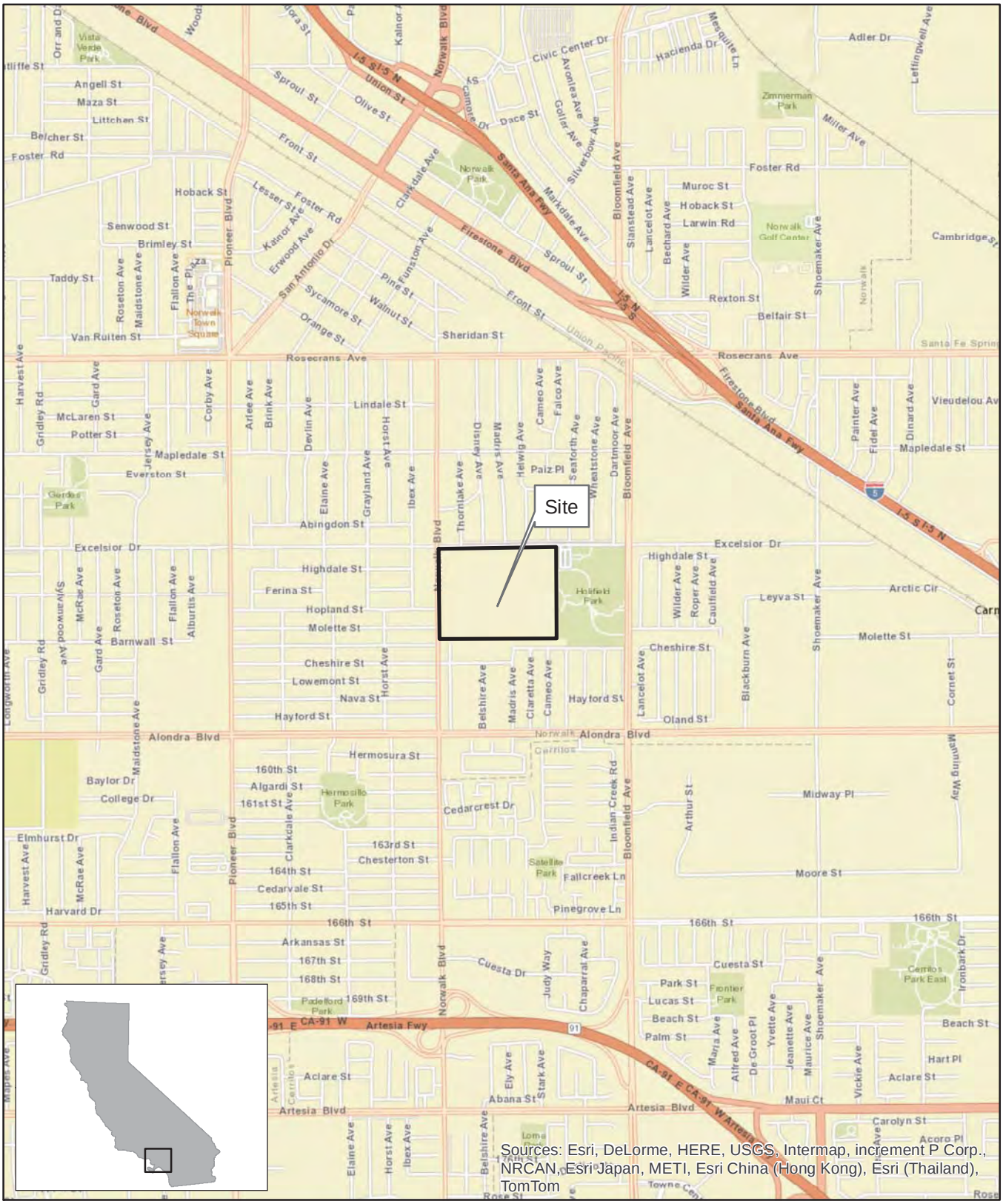
CH2M HILL. 2013. First Semiannual 2013 Groundwater Monitoring Report, Defense Fuel Support Point Norwalk, 15306 Norwalk Boulevard, Norwalk, California. July 30.

Parsons Corporation (Parsons). 2013. Revised Groundwater Sampling and Analysis Plan, Defense Fuel Support Point Norwalk, 15306 Norwalk Boulevard, Norwalk, California. September 17.

Parsons Corporation (Parsons). 2014. Second Semiannual 2013 Groundwater Monitoring Report, Defense Fuel Support Point Norwalk, 15306 Norwalk Boulevard, Norwalk, California. January 30.

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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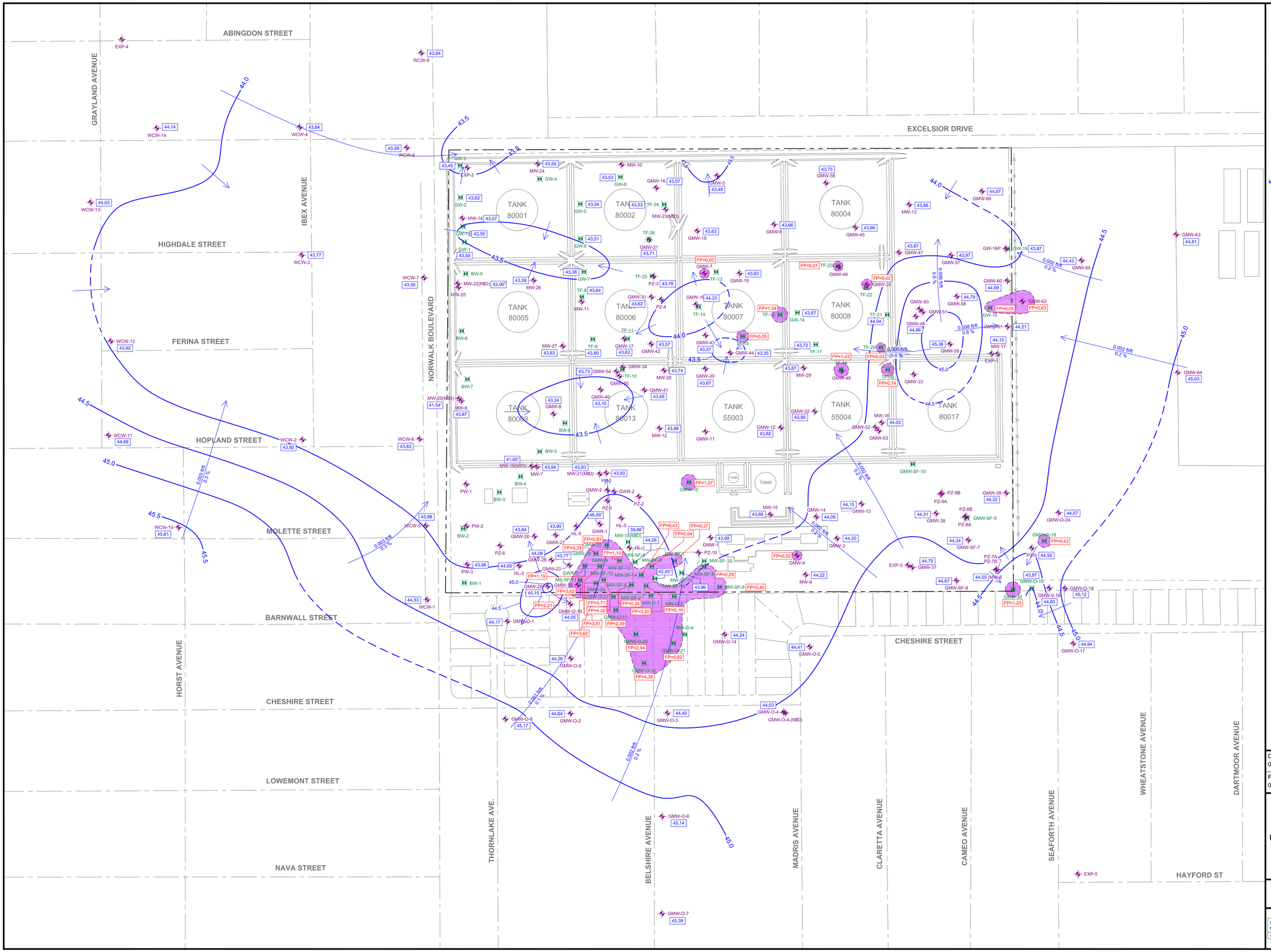
1962 FREEMAN AVENUE
SIGNAL HILL, CA 90755
(562) 597-1055

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
- TF-26 — EXTRACTION WELL USED FOR VAPOR, GROUNDWATER, TOTAL FLUIDS, OR FLOATING PRODUCT EXTRACTION
- 45,15 — GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL, MEASURED OCTOBER 27, 2014
- * — ASTERISK INDICATES DATA NOT USED TO DEVELOP THIS EQUIPOTENTIAL MAP
- FP=2.21 — FLOATING PRODUCT IN WELL WITH MEASURED PRODUCT THICKNESS IN FEET
- 44.5 — LINE OF EQUAL GROUNDWATER ELEVATION (REFERENCE = MEAN SEA LEVEL) CONTOUR INTERVAL = 0.50 FOOT DASHED WHERE INFERRED
- 0.002 ft/ft 0.2 % — GROUNDWATER GRADIENT DIRECTION WITH GRADIENT IN FEET PER FOOT (ft/ft) AND PERCENT
- ESTIMATED EXTENT OF MEASURABLE LIGHT NONAQUEOUS PHASE LIQUID (LNAPL, FLOATING PRODUCT) ON GROUNDWATER

NOTES:

1. GROUNDWATER ELEVATIONS AND PRODUCT THICKNESS SHOWN AT WELLS ARE BASED ON DATA COLLECTED BY SGI AND BLAINE TECH ON OCTOBER 27, 2014.
2. DLA-ENERGY'S REMEDIATION SYSTEMS WERE SHUT DOWN APPROXIMATELY 1 WEEK PRIOR TO COLLECTING FLUID LEVEL MEASUREMENTS IN OCTOBER 2014.
3. SFPP'S REMEDIATION SYSTEMS WERE OFF LINE SINCE JULY 2014.
4. 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 FLOUR 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:
01/2015	DFSP-Norwalk-Q1-15.dwg
PROJECT No.: 04-NDLA-002	CONTRACT: SPO-600-14-D-5410

GROUNDWATER EQUIPOTENTIAL AND GRADIENT MAP UPPERMOST GROUNDWATER ZONE OCTOBER 27, 2014

DFSP NORWALK
15306 NORWALK BOULEVARD
NORWALK, CALIFORNIA

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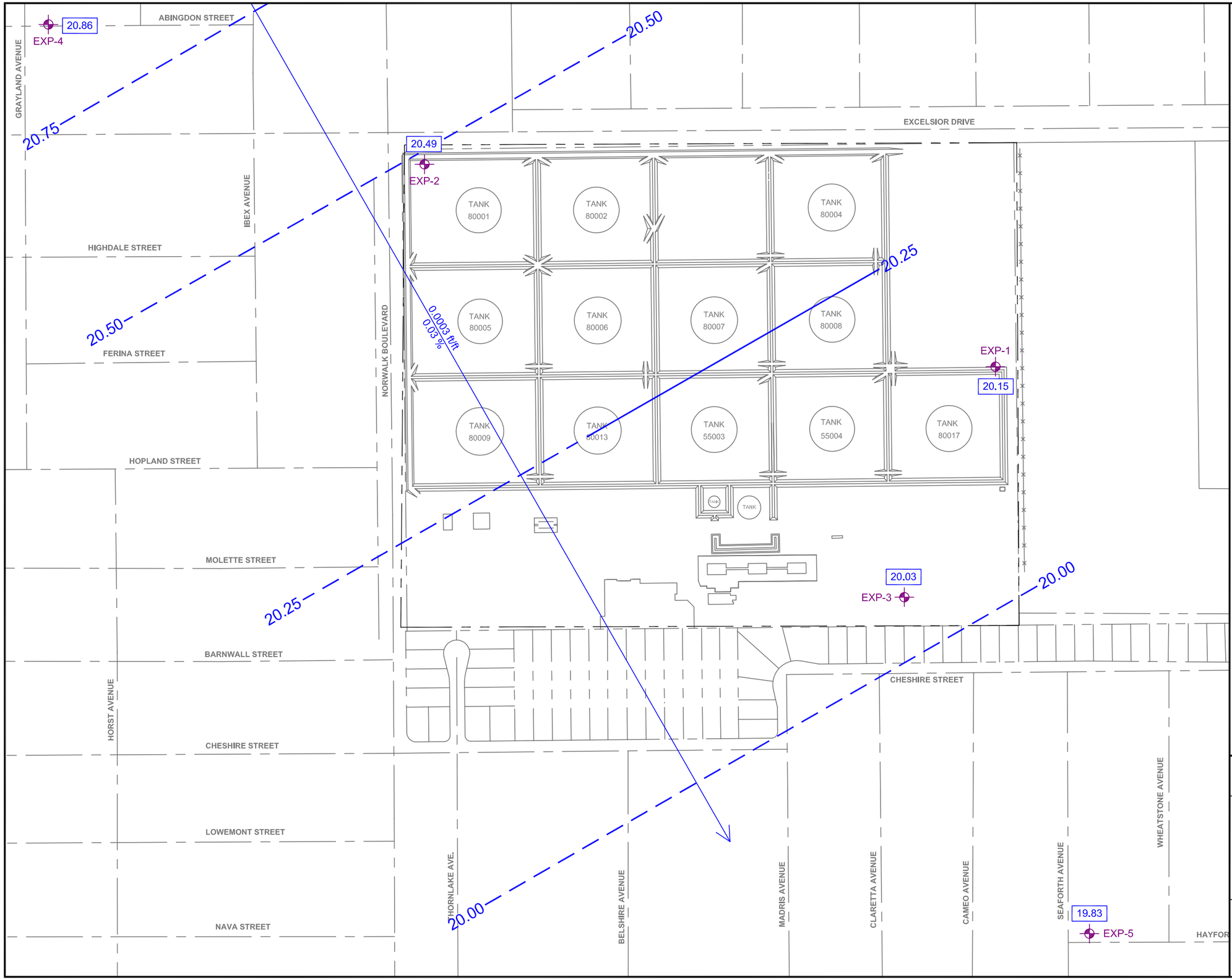
FIGURE 2



EXPLANATION:

FORMER ABOVEGROUND STORAGE TANKS

DFSP NORWALK BORDER

EXP-5 — EXPOSITION AQUIFER MONITORING WELL

20.49 — GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (MSL) MEASURED OCTOBER 27, 2014

20.25 — 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

0 250 500

APPROXIMATE SCALE IN FEET

N

DATE:	FILE NAME:	PROJECT No.:
01/2015	DFSP-Nrwlk-Q1-15B.DWG	04-NDLA-002

GROUNDWATER EQUIPOTENTIAL AND GRADIENT MAP EXPOSITION AQUIFER OCTOBER 27, 2014

DFSP NORWALK
15306 NORWALK BOULEVARD
NORWALK, CALIFORNIA

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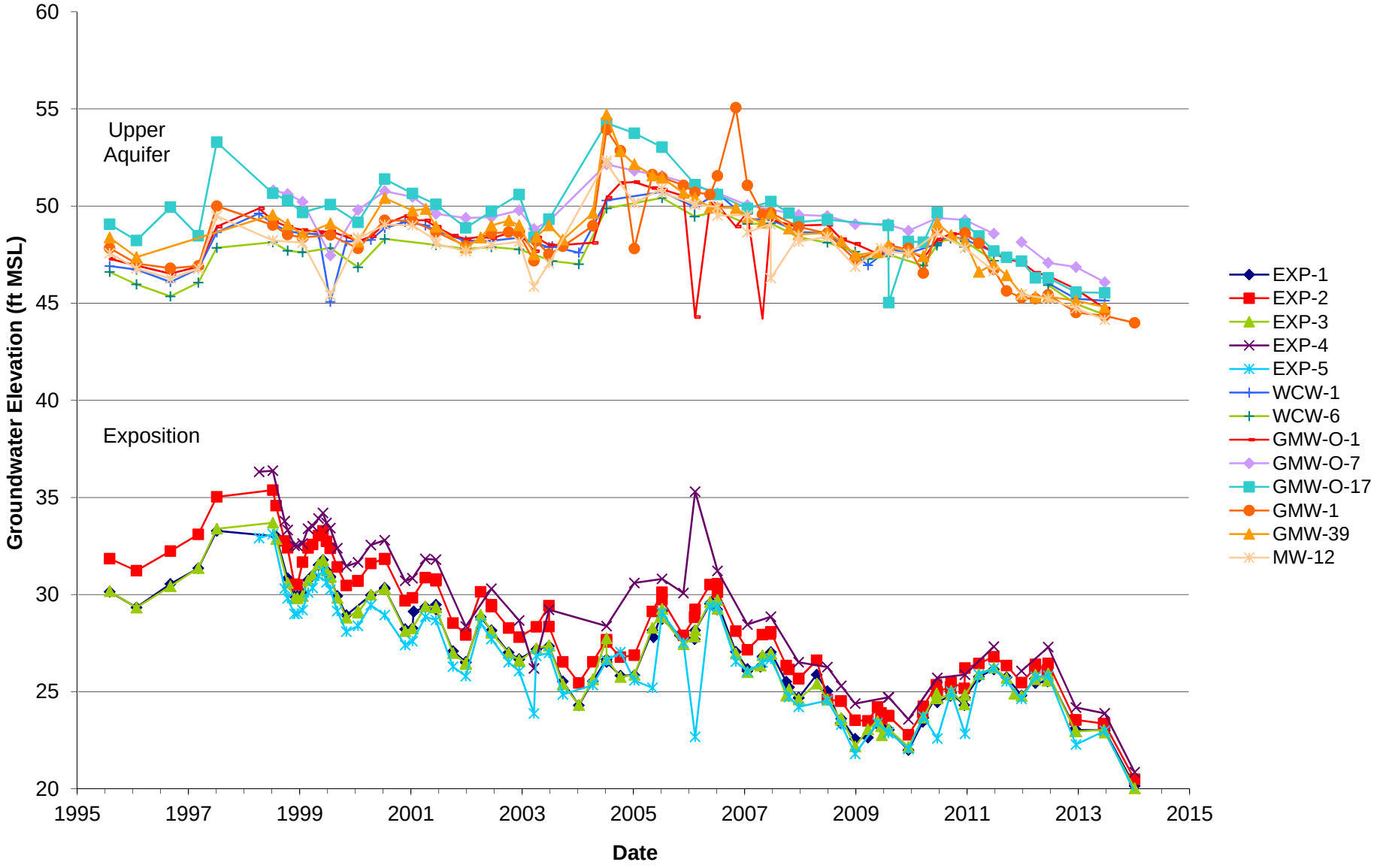
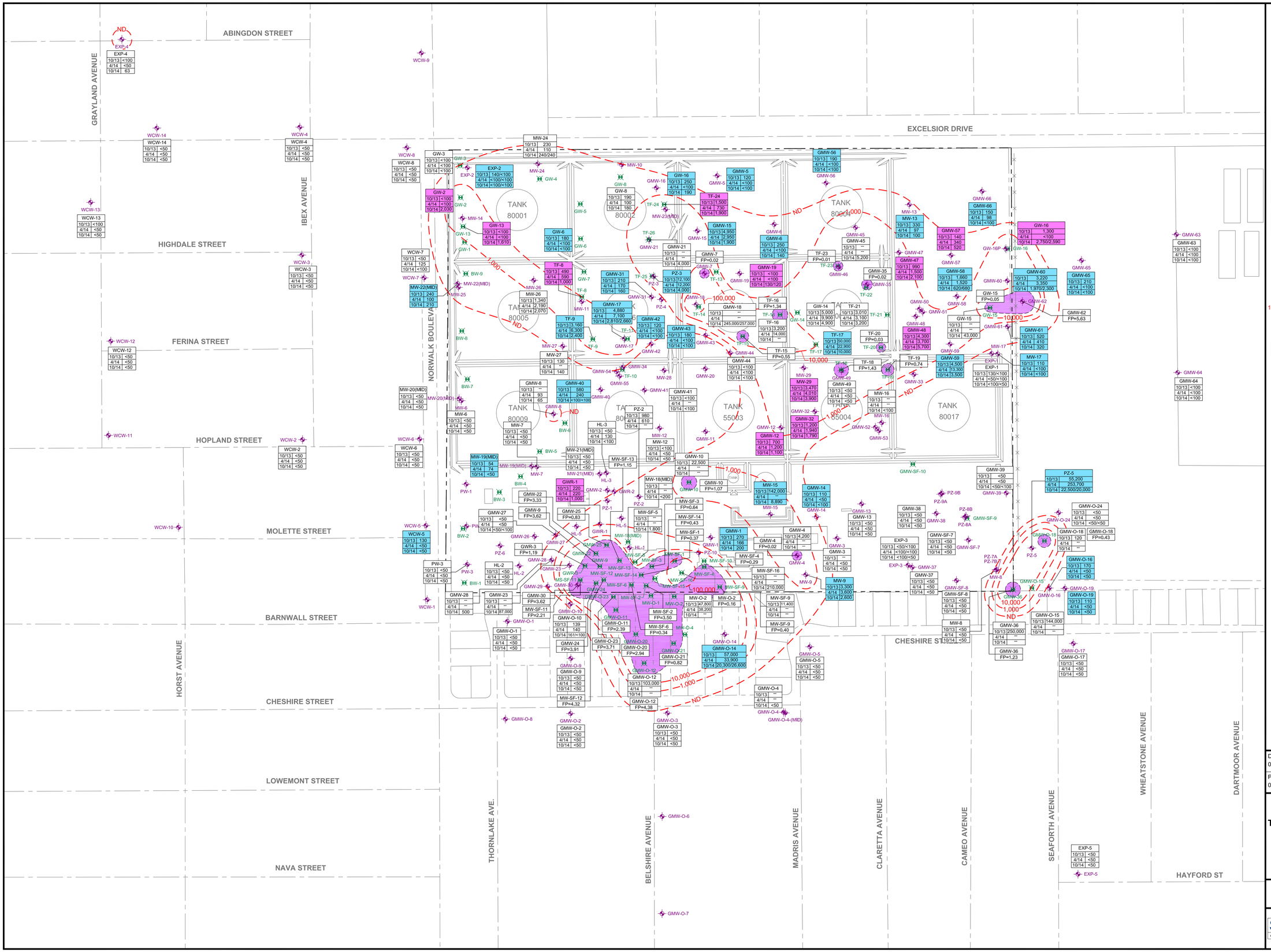
FIGURE 3

FIGURE 4 - HYDROGRAPH



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-63 (10/13 <100; 4/14 <100; 10/14 <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 2013 MONITORING EVENT, OR THE DATASET SHOWN DOES NOT PROVIDE A BASIS FOR COMPARISON
- GMW-12 (10/13 700; 4/14 1,200; 10/14 1,100) — WHERE THE DATABOX IS SHOWN IN RED, THE CONCENTRATION OF TPH HAS INCREASED BY 10% OR MORE AT THAT LOCATION SINCE THE OCTOBER 2013 MONITORING EVENT
- GMW-61 (10/13 520; 4/14 410; 10/14 320) — WHERE THE DATABOX IS SHOWN IN BLUE, THE CONCENTRATION OF TPH HAS DECREASED BY 10% OR MORE AT THAT LOCATION SINCE THE OCTOBER 2013 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 CONCENTRATION DEPENDENT ON LABORATORY REPORTING LIMIT)
- 1,000 — LINE OF EQUAL TPH CONCENTRATION IN GROUNDWATER
- ESTIMATED EXTENT OF MEASURABLE LIGHT NONAQUEOUS PHASE LIQUID (LNAPL, FLOATING PRODUCT) ON GROUNDWATER
- GMW-30 (FP=3,62) — FLOATING PRODUCT IN WELL WITH MEASURED PRODUCT THICKNESS IN FEET

SURVEY NOTES:

1. BASE MAP PREPARED FROM DATA PROVIDED BY FLOUR 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: 01/2015	FILE NAME: DFSP-Norwalk-Q1-15.dwg
PROJECT No.: 04-NDLA-002	CONTRACT: SPO-600-14-D-5410

TOTAL PETROLEUM HYDROCARBONS IN GROUNDWATER OCTOBER 2014

DFSP NORWALK
15306 NORWALK BOULEVARD
NORWALK, CALIFORNIA

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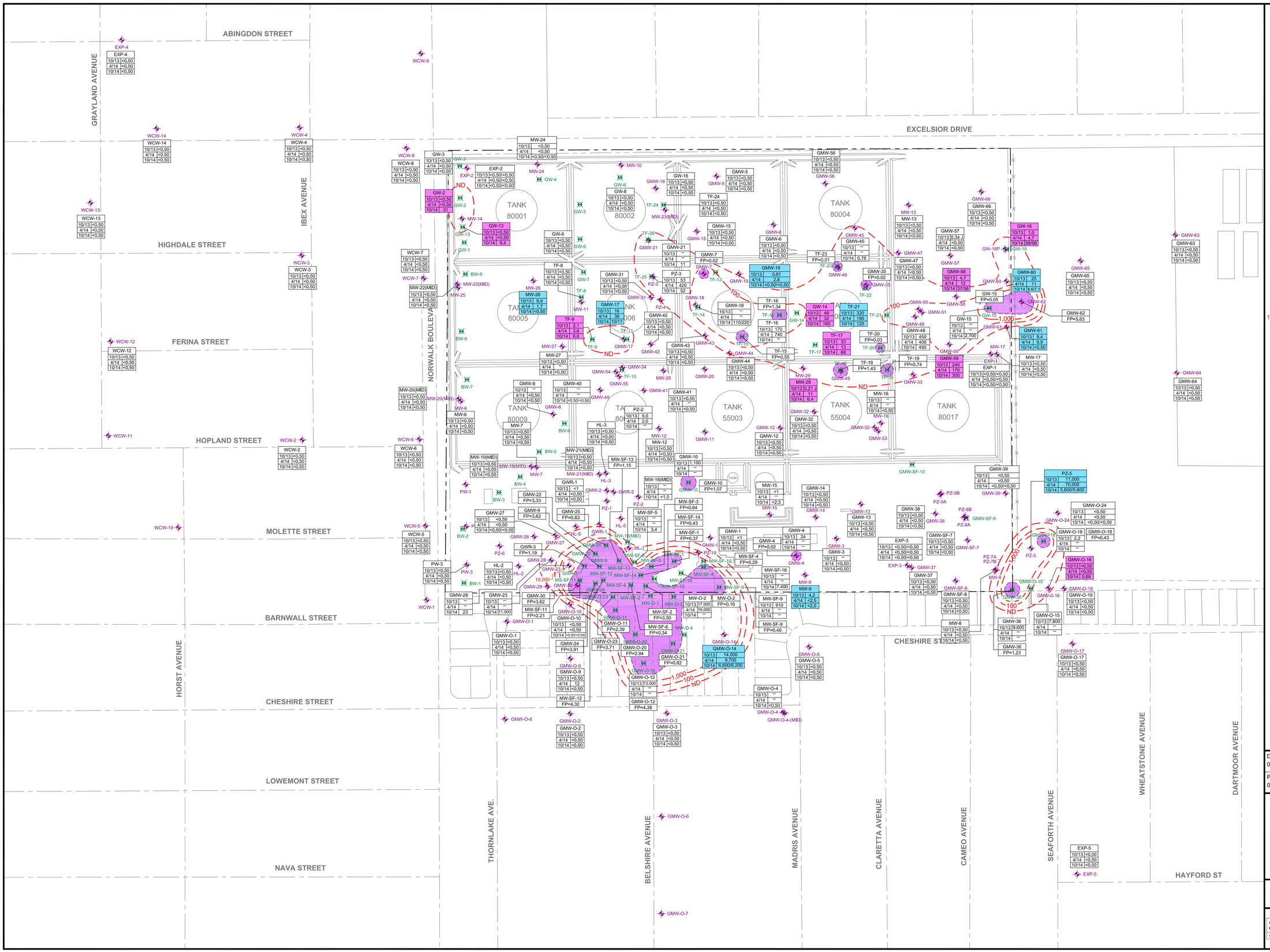
FIGURE 5



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-63 (10/13 <100; 4/14 <100; 10/14 <100) — 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 2013 MONITORING EVENT, OR THE DATASET SHOWN DOES NOT PROVIDE A BASIS FOR COMPARISON
- GMW-16 (10/13 1.0; 4/14 4.7; 10/14 58/56) — WHERE THE DATABOX IS SHOWN IN RED, THE CONCENTRATION OF BENZENE HAS INCREASED BY 10% OR MORE AT THAT LOCATION SINCE THE OCTOBER 2013 MONITORING EVENT
- GMW-61 (10/13 9.4; 4/14 9.9; 10/14 <0.50) — WHERE THE DATABOX IS SHOWN IN BLUE, THE CONCENTRATION OF BENZENE HAS DECREASED BY 10% OR MORE AT THAT LOCATION SINCE THE OCTOBER 2013 MONITORING EVENT
- <0.50 — NOT DETECTED AT OR ABOVE THE INDICATED LABORATORY REPORTING LIMIT
- -- — NOT SAMPLED / NOT ANALYZED
- J — ESTIMATED VALUE BELOW THE LABORATORY REPORTING LIMIT
- <0.50/<0.50 — TWO CONCENTRATIONS ARE SHOWN WHERE DUPLICATE SAMPLES WERE ANALYZED
- ND — ESTIMATED EXTENT OF DETECTED DISSOLVED BENZENE IN GROUNDWATER (CONCENTRATION DEPENDENT ON LABORATORY REPORTING LIMIT)
- 1,000 — LINE OF EQUAL BENZENE CONCENTRATION IN GROUNDWATER
- ESTIMATED EXTENT OF MEASURABLE LIGHT NONAQUEOUS PHASE LIQUID (LNAPL, FLOATING PRODUCT) ON GROUNDWATER
- GMW-30 (FP=3.62) — FLOATING PRODUCT IN WELL WITH MEASURED PRODUCT THICKNESS IN FEET

SURVEY NOTES:

1. BASE MAP PREPARED FROM DATA PROVIDED BY FLOUR 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: 01/2015	FILE NAME: DFSP-Norwalk-Q1-15.dwg
PROJECT No.: 04-NDLA-002	CONTRACT: SPO-600-14-D-5410

BENZENE IN GROUNDWATER OCTOBER 2014

DFSP NORWALK
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NORWALK, CALIFORNIA

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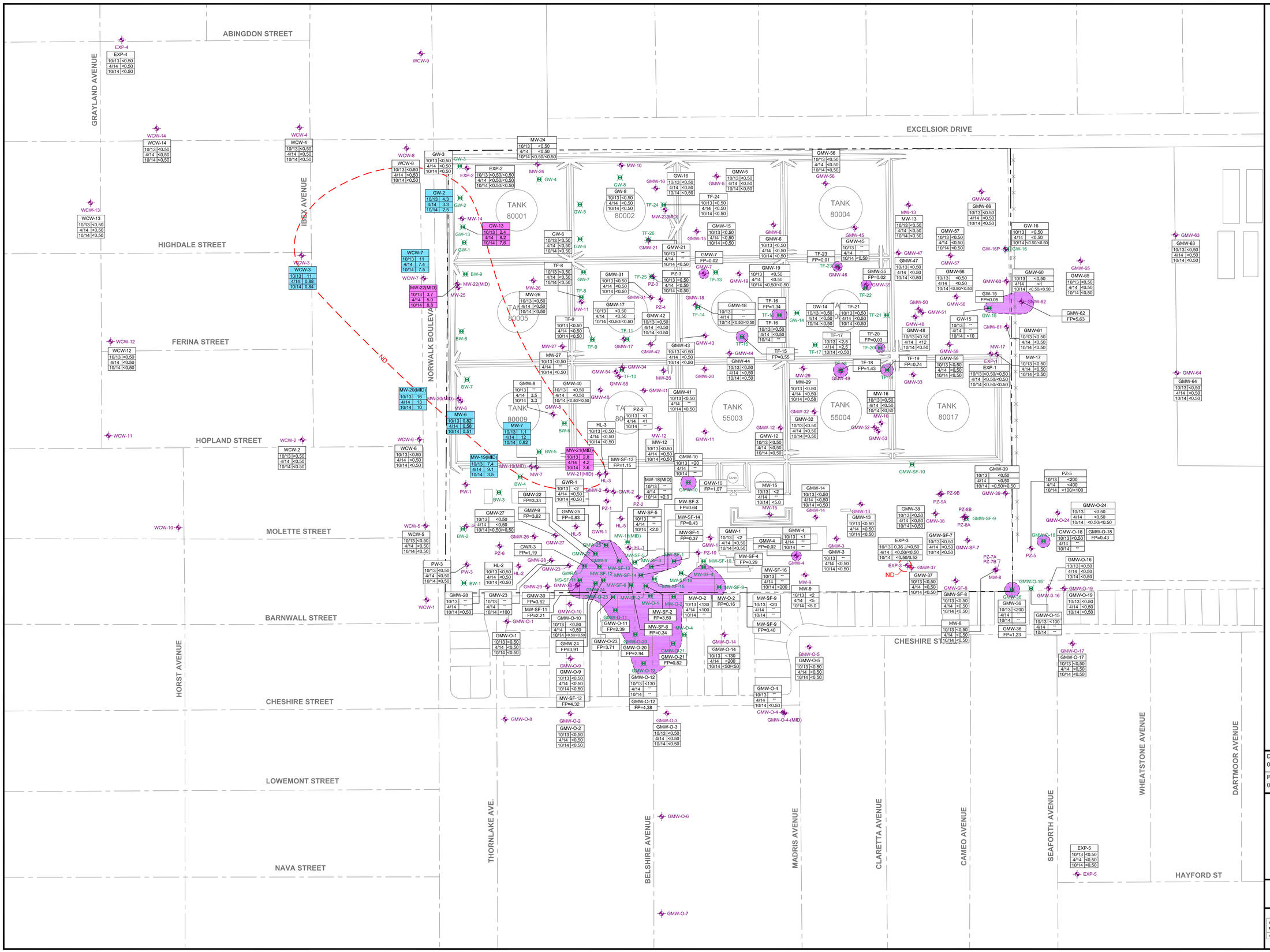
FIGURE 6



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-63 (10/13 <100; 4/14 <100; 10/14 <100) — 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 2013 MONITORING EVENT, OR THE DATASET SHOWN DOES NOT PROVIDE A BASIS FOR COMPARISON
- GMW-13 (10/13 2.4; 4/14 9.2; 10/14 7.6) — 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 2013 MONITORING EVENT
- WCW-7 (10/13 11; 4/14 7.4; 10/14 7.5) — 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 2013 MONITORING EVENT
- <0.50 — NOT DETECTED AT OR ABOVE THE INDICATED LABORATORY REPORTING LIMIT
- -- — NOT SAMPLED / NOT ANALYZED
- J — ESTIMATED VALUE BELOW THE LABORATORY REPORTING LIMIT
- <0.50/<0.50 — TWO CONCENTRATIONS ARE SHOWN WHERE DUPLICATE SAMPLES WERE ANALYZED
- ND — ESTIMATED EXTENT OF DETECTED DISSOLVED 1,2-DCA IN GROUNDWATER (CONCENTRATION DEPENDENT ON LABORATORY REPORTING LIMIT)
- ESTIMATED EXTENT OF MEASURABLE LIGHT NONAQUEOUS PHASE LIQUID (LNAPL, FLOATING PRODUCT) ON GROUNDWATER
- GW-30 (FP=3.62) — FLOATING PRODUCT IN WELL WITH MEASURED PRODUCT THICKNESS IN FEET

SURVEY NOTES:

1. BASE MAP PREPARED FROM DATA PROVIDED BY FLOUR 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:
01/2015	DFSP-Norwalk-Q1-15.dwg
PROJECT No.: 04-NDLA-002	CONTRACT: SPO-600-14-D-5410

1,2-DICHLOROETHANE IN GROUNDWATER OCTOBER 2014

DFSP NORWALK
15306 NORWALK BOULEVARD
NORWALK, CALIFORNIA

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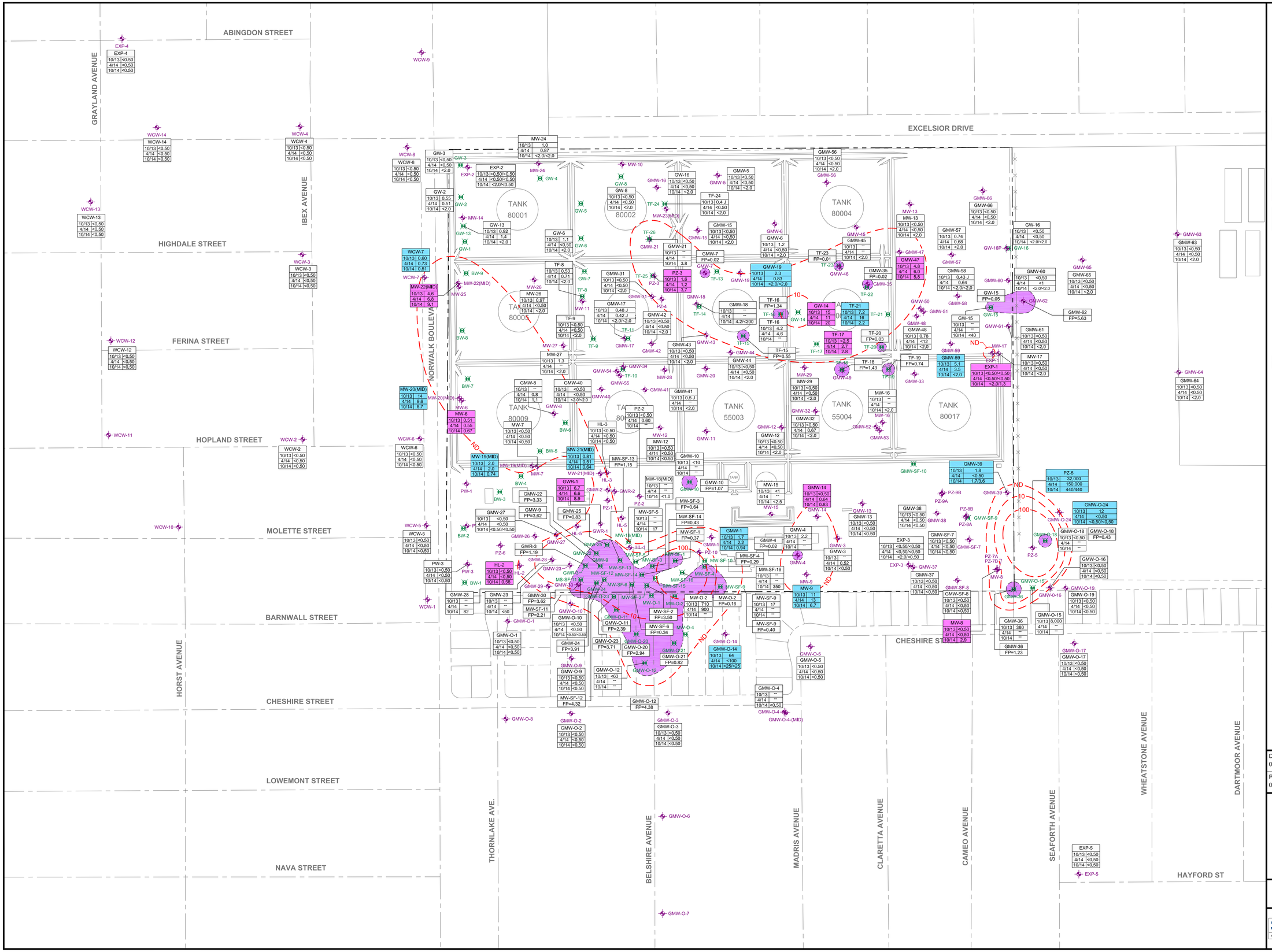
FIGURE 7



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-63 | 10/13 | <100 | 4/14 | <100 | 10/14 | <100 — 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 2013 MONITORING EVENT, OR THE DATASET SHOWN DOES NOT PROVIDE A BASIS FOR COMPARISON
- MW-8 | 10/13 | <0.50 | 4/14 | <0.50 | 10/14 | 2.9 — WHERE THE DATABOX IS SHOWN IN RED, THE CONCENTRATION OF MTBE HAS INCREASED BY 10% OR MORE AT THAT LOCATION SINCE THE OCTOBER 2013 MONITORING EVENT
- TF-21 | 10/13 | 7.2 | 4/14 | 16 | 10/14 | 2.2 — WHERE THE DATABOX IS SHOWN IN BLUE, THE CONCENTRATION OF MTBE HAS DECREASED BY 10% OR MORE AT THAT LOCATION SINCE THE OCTOBER 2013 MONITORING EVENT
- <0.50 — NOT DETECTED AT OR ABOVE THE INDICATED LABORATORY REPORTING LIMIT
- -- — NOT SAMPLED / NOT ANALYZED
- <0.50/<0.50 — TWO CONCENTRATIONS ARE SHOWN WHERE DUPLICATE SAMPLES WERE ANALYZED
- J — ESTIMATED VALUE BELOW THE LABORATORY REPORTING LIMIT
- ND — ESTIMATED EXTENT OF DETECTED DISSOLVED MTBE IN GROUNDWATER (CONCENTRATION DEPENDENT ON LABORATORY REPORTING LIMIT)
- 100 — LINE OF EQUAL MTBE CONCENTRATION IN GROUNDWATER
- ESTIMATED EXTENT OF MEASURABLE LIGHT NONAQUEOUS PHASE LIQUID (LNAPL, FLOATING PRODUCT) ON GROUNDWATER
- GMW-30 | FP=3.62 — FLOATING PRODUCT IN WELL WITH MEASURED PRODUCT THICKNESS IN FEET

SURVEY NOTES:

1. BASE MAP PREPARED FROM DATA PROVIDED BY FLOUR 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: 01/2015	FILE NAME: DFSP-Norwalk-Q1-15.dwg
PROJECT No.: 04-NDLA-002	CONTRACT: SPO-600-14-D-5410

METHYL TERTIARY-BUTYL ETHER IN GROUNDWATER OCTOBER 2014

DFSP NORWALK
15306 NORWALK BOULEVARD
NORWALK, CALIFORNIA

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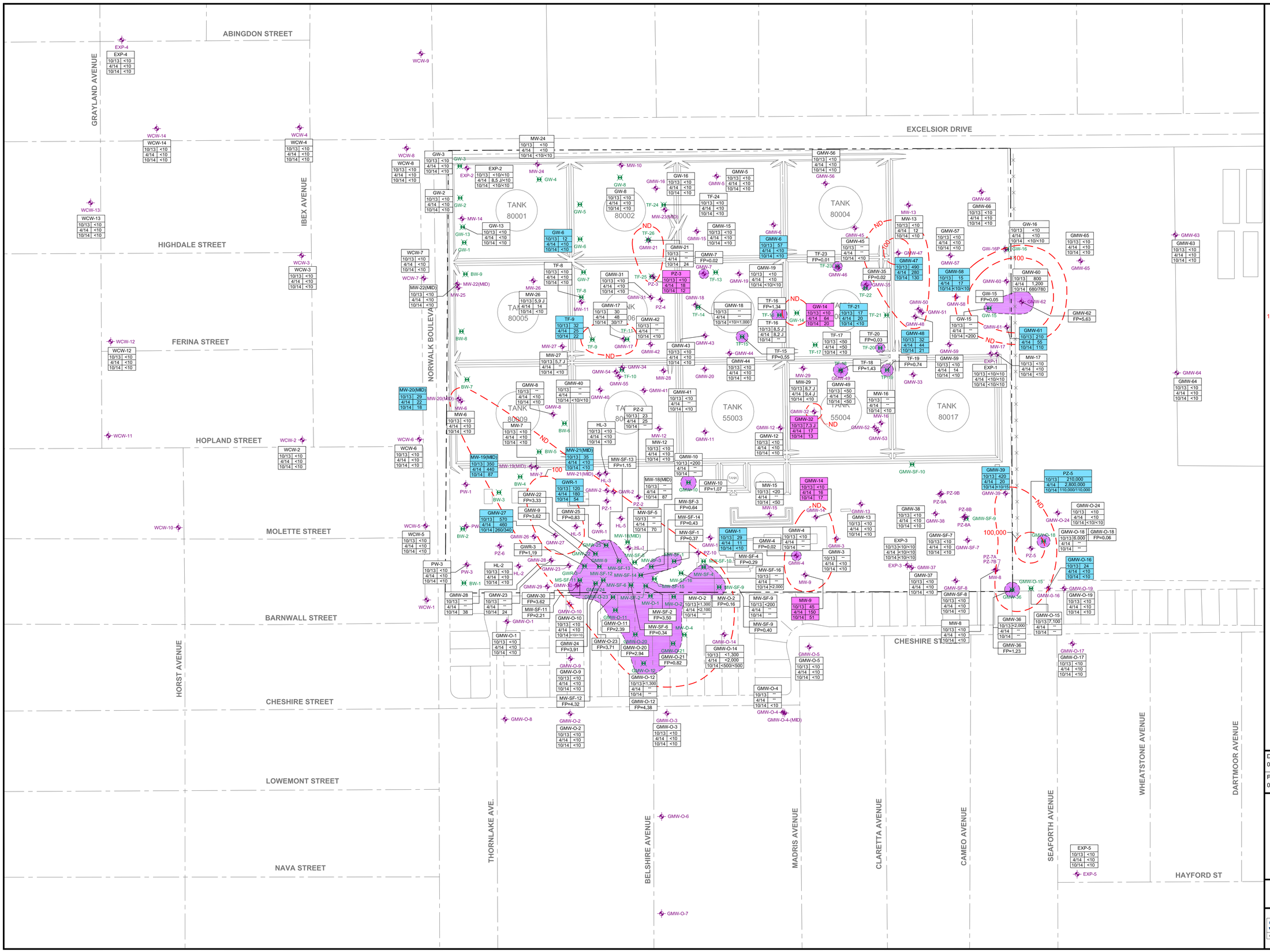
FIGURE 8



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-63 (10/13 <100; 4/14 <100; 10/14 <100) — 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 2013 MONITORING EVENT, OR THE DATASET SHOWN DOES NOT PROVIDE A BASIS FOR COMPARISON
- GMW-14 (10/13 <10; 4/14 64; 10/14 20) — WHERE THE DATABOX IS SHOWN IN RED, THE CONCENTRATION OF TBA HAS INCREASED BY 10% OR MORE AT THAT LOCATION SINCE THE OCTOBER 2013 MONITORING EVENT
- GMW-58 (10/13 15; 4/14 17; 10/14 <10/<10) — WHERE THE DATABOX IS SHOWN IN BLUE, THE CONCENTRATION OF TBA HAS DECREASED BY 10% OR MORE AT THAT LOCATION SINCE THE OCTOBER 2013 MONITORING EVENT
- <0.50 — 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
- J — ESTIMATED VALUE BELOW THE LABORATORY REPORTING LIMIT
- ND — ESTIMATED EXTENT OF DETECTED DISSOLVED TBA IN GROUNDWATER (CONCENTRATION DEPENDENT ON LABORATORY REPORTING LIMIT)
- 1,000 — LINE OF EQUAL TBA CONCENTRATION IN GROUNDWATER
- ESTIMATED EXTENT OF MEASURABLE LIGHT NONAQUEOUS PHASE LIQUID (LNAPL, FLOATING PRODUCT) ON GROUNDWATER
- GMW-30 (FP=3,62) — FLOATING PRODUCT IN WELL WITH MEASURED PRODUCT THICKNESS IN FEET

SURVEY NOTES:

1. BASE MAP PREPARED FROM DATA PROVIDED BY FLOUR 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: 01/2015	FILE NAME: DFSP-Norwalk-Q1-15.dwg
PROJECT No.: 04-NDLA-002	CONTRACT: SPO-600-14-D-5410

TERTIARY-BUTYL ALCOHOL IN GROUNDWATER OCTOBER 2014

DFSP NORWALK
15306 NORWALK BOULEVARD
NORWALK, CALIFORNIA

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FIGURE 9

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[6]	**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**	**73.13**
GMW-41	**06/30/94**	**GTI**	**50.5**	**4**	**20 - 50**	**0.010**	**74.46**
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**

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

Well ID	Installation Date	Installed By	Total Depth (feet bgs)	Casing Diameter (inches)	Screen Interval (feet bgs)	Slot Size (inches)	Casing Elevation (feet MSL)
GMW-65	**07/06/09**	**Parsons**	**41.5**	**4**	**21 - 41**	**0.020**	**76.78**
GMW-66	**09/08/09**	**Parsons**	**40.5**	**4**	**20 - 40**	**0.020**	**77.00**
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
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

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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-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**
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

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

Well ID	Installation Date	Installed By	Total Depth (feet bgs)	Casing Diameter (inches)	Screen Interval (feet bgs)	Slot Size (inches)	Casing Elevation (feet MSL)
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
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**

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)
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**
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

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-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
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	10/27/2014	78.44	-----	58.44	-----	20.00
EXP-1	10/27/2014	78.44	-----	58.29	-----	20.15
EXP-2	10/27/2014	79.43	-----	59.11	-----	20.32
EXP-2	10/27/2014	79.43	-----	58.94	-----	20.49
EXP-3	10/27/2014	77.58	-----	57.70	-----	19.88
EXP-3	10/27/2014	77.58	-----	57.55	-----	20.03
EXP-4	10/27/2014	79.81	-----	58.95	-----	20.86
EXP-5	10/27/2014	72.41	-----	52.58	-----	19.83
GMW-1	10/27/2014	74.77	-----	30.78	-----	43.99
GMW-3	10/27/2014	75.10	-----	30.90	-----	44.20
GMW-4	10/27/2014	75.45	31.32	31.34	0.02	-----
GMW-5	10/27/2014	77.61	-----	34.12	-----	43.49
GMW-6	10/27/2014	77.31	-----	33.65	-----	43.66
GMW-7	10/27/2014	75.84	32.20	32.22	0.02	-----
GMW-8	10/27/2014	73.20	-----	29.96	-----	43.24
GMW-9	10/27/2014	77.16	32.42	36.04	3.62	-----
GMW-10	10/27/2014	-----	29.12	30.19	1.07	-----
GMW-12	10/27/2014	75.21	-----	31.39	-----	43.82
GMW-13	10/27/2014	74.17	-----	30.02	-----	44.15
GMW-14	10/27/2014	74.72	-----	30.63	-----	44.09
GMW-15	10/27/2014	76.21	-----	32.58	-----	43.63
GMW-16	10/27/2014	77.00	-----	33.43	-----	43.57
GMW-17	10/27/2014	74.66	-----	31.03	-----	43.63
GMW-18	10/27/2014	75.36	-----	31.13	-----	44.23
GMW-19	10/27/2014	76.83	-----	33.20	-----	43.63
GMW-20	10/27/2014	75.10	-----	31.43	-----	43.67
GMW-21	10/27/2014	76.23	-----	32.52	-----	43.71
GMW-22	10/27/2014	77.24	32.41	35.74	3.33	-----
GMW-23	10/27/2014	74.85	-----	31.08	-----	43.77
GMW-24	10/27/2014	77.48	32.91	36.82	3.91	-----
GMW-25	10/27/2014	78.14	33.95	34.78	0.83	-----
GMW-26	10/27/2014	74.52	-----	30.68	-----	43.84
GMW-27	10/27/2014	74.41	-----	30.51	-----	43.90
GMW-28	10/27/2014	74.68	-----	31.16	-----	43.52
GMW-28	10/27/2014	74.68	-----	30.60	-----	44.08
GMW-29	10/27/2014	77.57	-----	32.42	-----	45.15
GMW-30	10/27/2014	74.91	30.12	33.74	3.62	-----
GMW-31	10/27/2014	76.50	-----	32.88	-----	43.62
GMW-32	10/27/2014	74.62	-----	30.72	-----	43.90

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-33	10/27/2014	74.88	-----	obstruction	-----	-----
GMW-35	10/27/2014	76.12	32.16	32.18	0.02	-----
GMW-36	10/27/2014	76.66	31.79	33.02	1.23	-----
GMW-37	10/27/2014	77.32	-----	32.57	-----	44.75
GMW-38	10/27/2014	75.47	-----	31.16	-----	44.31
GMW-39	10/27/2014	75.05	-----	30.73	-----	44.32
GMW-40	10/27/2014	73.13	-----	30.03	-----	43.10
GMW-41	10/27/2014	74.46	-----	30.78	-----	43.68
GMW-42	10/27/2014	75.50	-----	31.93	-----	43.57
GMW-43	10/27/2014	74.44	-----	30.87	-----	43.57
GMW-44	10/27/2014	74.45	-----	31.10	-----	43.35
GMW-45	10/27/2014	75.67	-----	32.01	-----	43.66
GMW-47	10/27/2014	75.98	-----	32.11	-----	43.87
GMW-48	10/27/2014	75.03	-----	30.17	-----	44.86
GMW-54	10/27/2014	75.16	-----	31.43	-----	43.73
GMW-56	10/27/2014	76.52	-----	32.77	-----	43.75
GMW-57	10/27/2014	76.66	-----	32.69	-----	43.97
GMW-58	10/27/2014	75.48	-----	30.69	-----	44.79
GMW-59	10/27/2014	75.28	-----	29.92	-----	45.36
GMW-60	10/27/2014	76.24	-----	32.15	-----	44.09
GMW-61	10/27/2014	75.60	-----	31.39	-----	44.21
GMW-62	10/27/2014	76.34	32.14	37.77	5.63	-----
GMW-63	10/27/2014	77.32	-----	32.51	-----	44.81
GMW-64	10/27/2014	75.84	-----	30.81	-----	45.03
GMW-65	10/27/2014	76.78	-----	32.35	-----	44.43
GMW-66	10/27/2014	77.00	-----	32.93	-----	44.07
GMW-O-1	10/27/2014	71.45	-----	27.28	-----	44.17
GMW-O-2	10/27/2014	72.54	-----	27.90	-----	44.64
GMW-O-3	10/27/2014	72.19	-----	27.79	-----	44.40
GMW-O-4	10/27/2014	71.95	-----	27.42	-----	44.53
GMW-O-5	10/27/2014	72.36	-----	27.95	-----	44.41
GMW-O-6	10/27/2014	71.41	-----	26.27	-----	45.14
GMW-O-7	10/27/2014	70.98	-----	25.59	-----	45.39
GMW-O-8	10/27/2014	70.91	-----	25.74	-----	45.17
GMW-O-9	10/27/2014	73.50	-----	29.24	-----	44.26
GMW-O-10	10/27/2014	73.98	-----	29.93	-----	44.05
GMW-O-11	10/27/2014	74.17	28.89	31.28	2.39	-----
GMW-O-12	10/27/2014	73.49	26.90	31.28	4.38	-----
GMW-O-14	10/27/2014	74.08	-----	29.84	-----	44.24

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-15	10/27/2014	74.23	-----	30.26	-----	43.97
GMW-O-16	10/27/2014	74.10	-----	29.30	-----	44.80
GMW-O-17	10/27/2014	73.78	-----	28.84	-----	44.94
GMW-O-18	10/27/2014	74.36	29.52	29.95	0.43	-----
GMW-O-19	10/27/2014	74.46	-----	29.34	-----	45.12
GMW-O-20	10/27/2014	73.32	27.76	30.70	2.94	-----
GMW-O-21	10/27/2014	71.43	28.93	29.75	0.82	-----
GMW-O-23	10/27/2014	73.63	28.80	32.51	3.71	-----
GMW-O-24	10/27/2014	74.39	-----	29.82	-----	44.57
GMW-SF-7	10/27/2014	75.26	-----	30.92	-----	44.34
GMW-SF-8	10/27/2014	76.75	-----	32.08	-----	44.67
GW-1	10/27/2014	75.97	-----	32.47	-----	43.50
GW-2	10/27/2014	75.78	-----	32.16	-----	43.62
GW-3	10/27/2014	75.79	-----	32.34	-----	43.45
GW-5	10/27/2014	76.99	-----	33.45	-----	43.54
GW-6	10/27/2014	76.38	-----	32.87	-----	43.51
GW-7	10/27/2014	75.02	-----	31.64	-----	43.38
GW-8	10/27/2014	76.15	-----	32.62	-----	43.53
GW-13	10/27/2014	76.85	-----	33.35	-----	43.50
GW-14	10/27/2014	76.54	-----	32.87	-----	43.67
GW-15	10/27/2014	74.94	32.82	32.87	0.05	-----
GW-16	10/27/2014	76.33	-----	32.46	-----	43.87
GWR-1	10/27/2014	77.40	-----	30.81	-----	46.59
GWR-3	10/27/2014	77.60	33.49	34.68	1.19	-----
HL-2	10/27/2014	76.94	-----	32.89	-----	44.05
HL-3	10/27/2014	76.86	-----	32.93	-----	43.93
MW-6	10/27/2014	77.20	-----	33.33	-----	43.87
MW-7	10/27/2014	78.13	-----	34.19	-----	43.94
MW-8	10/27/2014	76.06	-----	31.51	-----	44.55
MW-9	10/27/2014	77.11	-----	32.89	-----	44.22
MW-12	10/27/2014	75.76	-----	31.88	-----	43.88
MW-13	10/27/2014	78.25	-----	34.39	-----	43.86
MW-14	10/27/2014	78.60	-----	35.03	-----	43.57
MW-15	10/27/2014	76.99	-----	33.33	-----	43.66
MW-16	10/27/2014	76.87	-----	32.84	-----	44.03
MW-17	10/27/2014	77.86	-----	33.76	-----	44.10
MW-18 (MID)	10/27/2014	75.67	-----	35.81	-----	39.86
MW-19 (MID)	10/27/2014	78.14	-----	37.09	-----	41.05
MW-20 (MID)	10/27/2014	77.19	-----	35.65	-----	41.54

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-21 (MID)	10/27/2014	77.55	-----	33.62	-----	43.93
MW-22 (MID)	10/27/2014	79.57	-----	37.57	-----	42.00
MW-24	10/27/2014	78.51	-----	34.96	-----	43.55
MW-26	10/27/2014	77.40	-----	33.81	-----	43.59
MW-27	10/27/2014	78.46	-----	34.63	-----	43.83
MW-28	10/27/2014	78.53	-----	34.79	-----	43.74
MW-29	10/27/2014	79.13	-----	35.26	-----	43.87
MW-O-2	10/27/2014	71.90	29.65	29.81	0.16	-----
MW-SF-1	10/27/2014	78.93	34.43	34.80	0.37	-----
MW-SF-2	10/27/2014	78.53	33.54	37.04	3.50	-----
MW-SF-3	10/27/2014	78.12	33.85	34.49	0.64	-----
MW-SF-4	10/27/2014	79.38	35.25	35.54	0.29	-----
MW-SF-5	10/27/2014	79.74	-----	35.48	-----	44.26
MW-SF-6	10/27/2014	76.80	32.58	32.92	0.34	-----
MW-SF-9	10/27/2014	74.10	29.89	30.29	0.40	-----
MW-SF-10	10/27/2014	76.53	-----	DRY (30.41)	-----	-----
MW-SF-11	10/27/2014	78.56	33.99	36.20	2.21	-----
MW-SF-12	10/27/2014	78.07	33.08	37.40	4.32	-----
MW-SF-13	10/27/2014	73.40	29.06	30.21	1.15	-----
MW-SF-14	10/27/2014	78.16	33.97	34.40	0.43	-----
MW-SF-15	10/27/2014	78.27	-----	35.82	-----	42.45
MW-SF-16	10/27/2014	78.21	-----	34.25	-----	43.96
PW-1	10/27/2014	75.52	-----	DRY (27.88)	-----	-----
PW-2	10/27/2014	74.71	-----	DRY (25.99)	-----	-----
PW-3	10/27/2014	73.71	-----	29.73	-----	43.98
PZ-3	10/27/2014	76.17	-----	32.41	-----	43.76
PZ-5	10/27/2014	73.97	-----	29.41	-----	44.56
TF-8	10/27/2014	74.86	-----	31.22	-----	43.64
TF-9	10/27/2014	74.47	-----	30.67	-----	43.80
TF-15	10/27/2014	74.78	30.31	30.86	0.55	-----
TF-16	10/27/2014	75.89	31.58	32.92	1.34	-----
TF-17	10/27/2014	74.88	-----	31.16	-----	43.72
TF-18	10/27/2014	73.94	29.48	30.91	1.43	-----
TF-19	10/27/2014	75.07	30.72	31.46	0.74	-----
TF-20	10/27/2014	75.08	31.76	31.79	0.03	-----
TF-21	10/27/2014	74.96	-----	30.92	-----	44.04
TF-23	10/27/2014	75.31	31.15	31.16	0.01	-----
TF-24	10/27/2014	76.43	-----	32.90	-----	43.53
WCW-1	10/27/2014	72.86	-----	28.53	-----	44.33

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-2	10/27/2014	75.34	-----	31.42	-----	43.92
WCW-3	10/27/2014	76.16	-----	32.39	-----	43.77
WCW-4	10/27/2014	78.05	-----	34.21	-----	43.84
WCW-5	10/27/2014	73.49	-----	29.51	-----	43.98
WCW-6	10/27/2014	75.52	-----	31.69	-----	43.83
WCW-7	10/27/2014	76.44	-----	32.88	-----	43.56
WCW-8	10/27/2014	77.34	-----	33.75	-----	43.59
WCW-9	10/27/2014	77.74	-----	34.10	-----	43.64
WCW-10	10/27/2014	74.06	-----	28.45	-----	45.61
WCW-11	10/27/2014	75.29	-----	30.61	-----	44.68
WCW-12	10/27/2014	76.27	-----	32.35	-----	43.92
WCW-13	10/27/2014	77.70	-----	33.67	-----	44.03
WCW-14	10/27/2014	78.81	-----	34.67	-----	44.14

Notes: feet MSL = feet below mean sea level
feet btc = feet below top of casing
----- = not applicable

TABLE 3
ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, OCTOBER 2014
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	10/28/2014	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
EXP-1	BT	10/28/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	**1.3**	<10	<1.0	<1.0	<1.0
EXP-2	SGI	10/28/2014	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
EXP-2	BT	10/28/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-3	SGI	10/28/2014	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
EXP-3	BT	10/28/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	**0.52**	<0.50	<10	<1.0	<1.0	<1.0
EXP-4	BT	10/28/2014	<50	**63**[a]	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-5	BT	10/28/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-1	BT	10/30/2014	**70**	**130**	<0.50	<0.50	<0.50	<0.50	<0.50	**0.94**	<10	<1.0	<1.0	<1.0
GMW-3	BT	10/29/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-5	SGI	10/27/2014	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-6	SGI	10/27/2014	<100	**140**	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-8	BT	10/29/2014	<100[b]	**65**[c]	<0.50	<0.50	<0.50	<0.50	**3.3**	**1.1**	<10	<1.0	<1.0	<1.0
GMW-12	SGI	10/29/2014	<100	**1,100**	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-13	BT	10/29/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-14	BT	10/30/2014	<100[b]	<50	<0.50	<0.50	<0.50	<0.50	<0.50	**0.83**	**17**	<1.0	<1.0	<1.0
GMW-15	SGI	10/30/2014	<100	**1,900**	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-16	SGI	10/27/2014	<100	**190**	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-17	SGI	10/31/2014	**510**	**2,300**	**10**	**1.5**	<0.50	**2.74**	<0.50	<2.0	**30**	<2.0	<2.0	<2.0
DUPE-1 (GMW-17)	SGI	10/31/2014	**460**	**2,200**	**11**	**1.5**	<0.50	**2.65**	<0.50	<2.0	**17**	<2.0	<2.0	<2.0
GMW-18	SGI	11/3/2014	**15,000**	**230,000**	**110**	**0.93**	**120**	**338**	<0.50	**4.2**	<10	<2.0	<2.0	<2.0
DUPE-2 (GMW-18)	SGI	11/3/2014	**37,000**	**220,000**	**220**	<50	**120**	**440**	<50	<200	<1,000	<200	<200	<200
GMW-19	SGI	10/28/2014	<100	**130**	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
DUPE-1 (GMW-19)	SGI	10/28/2014	<100	**120**	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-21	SGI	11/3/2014	**1,500**	**2,500**	**11**	**1.6**	**31**	**165**	<0.50	**3.8**	**24**	<2.0	<2.0	<2.0
GMW-23	BT	10/31/2014	**34,000**	**53,000**	**11,000**	**690**	**260**	**2,100**	<100	<50	<1,000	<100	<100	<100
GMW-27	BT	10/30/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**260**	**6.7**	<1.0	<1.0
DUP-3 (GMW-27)	BT	10/30/2014	<100[b]	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**340**	**6.4**	<1.0	<1.0
GMW-28	BT	10/31/2014	**330**	**170**	**23**	<0.50	<0.50	<0.50	<1.0	**82**	**38**	**26**	<1.0	<1.0
GMW-31	SGI	10/29/2014	<100	**160**	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-32	SGI	10/30/2014	**290**	**1,500**	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	**13**	<2.0	<2.0	<2.0
GMW-37	BT	10/29/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-38	BT	10/29/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-39	BT	10/30/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	**1.7**	<10	<1.0	<1.0	<1.0
DUP-4 (GMW-39)	BT	10/30/2014	<100[b]	<50	<0.50	<0.50	<0.50	<0.50	<0.50	**3.6**	**15**	<1.0	<1.0	<1.0

TABLE 3
ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, OCTOBER 2014
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-40	SGI	10/29/2014	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
DUPE-1 (GMW-40)	SGI	10/29/2014	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-41	SGI	10/28/2014	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-42	SGI	10/27/2014	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-43	SGI	10/27/2014	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-44	SGI	10/27/2014	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-45	SGI	10/30/2014	**1,500**	**3,700**	**0.78**	<0.50	**0.52**	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-47	SGI	10/29/2014	<100	**2,100**	<0.50	<0.50	<0.50	<1.5	<0.50	**5.8**	**130**	<2.0	<2.0	<2.0
GMW-48	SGI	10/31/2014	**2,600**	**3,100**	**450**	<0.50	**2.1**	<1.5	<0.50	<2.0	**21**	<2.0	<2.0	<2.0
GMW-56	SGI	10/27/2014	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-57	SGI	10/29/2014	**140**	**380**	< 0.50	< 0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-58	SGI	10/29/2014	**280**	**340**	**37**	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
DUPE-2 (GMW-58)	SGI	10/29/2014	**260**	**420**	**36**	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-59	SGI	11/3/2014	**1,500**	**2,000**	**300**	<0.50	**0.93**	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-60	SGI	10/30/2014	**470**	**1,500**	**8.6**	<0.50	<0.50	<1.5	<0.50	<2.0	**680**	<2.0	<2.0	<2.0
DUPE-1 (GMW-60)	SGI	10/30/2014	**500**	**1,800**	**7.1**	<0.50	<0.50	<1.5	<0.50	<2.0	**780**	<2.0	<2.0	<2.0
GMW-61	SGI	10/29/2014	**120**	**200**	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	**110**	<2.0	<2.0	<2.0
GMW-63	SGI	12/17/2014	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-64	SGI	12/17/2014	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-65	SGI	12/17/2014	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-66	SGI	10/28/2014	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-O-1	BT	10/29/2014	<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	10/29/2014	<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	10/29/2014	<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	10/29/2014	<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	10/29/2014	<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	10/29/2014	<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	10/30/2014	**110**	**51**	<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	10/30/2014	<100[b]	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-14	BT	10/31/2014	**19,000**	**1,300**	**6,600**	**50**	**730**	**350**	<50	<25	<500	**200**	<50	<50
DUP-6 (GMW-O-14)	BT	10/31/2014	**25,000**	**1,600**	**6,200**	**110**	**710**	**710**	<50	<25	<500	**200**	<50	<50
GMW-O-16	BT	10/29/2014	<50	<50	**0.89**	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-17	BT	10/29/2014	<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	10/29/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-24	BT	10/29/2014	<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	10/29/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0

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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-SF-7	BT	10/29/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-SF-8	BT	10/29/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GW-2	SGI	11/3/2014	**1,800**	**230**	**31**	**4.0**	**65**	**346**	**2.5**	<2.0	<10	<2.0	<2.0	<2.0
GW-3	SGI	10/27/2014	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GW-6	SGI	10/27/2014	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GW-8	SGI	10/28/2014	<100	**180**	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GW-13	SGI	11/3/2014	**1,500**	**170**	**9.4**	**2.4**	**53**	**279**	**7.6**	<2.0	<10	<2.0	<2.0	<2.0
GW-14	SGI	10/31/2014	**1,700**	**3,200**	**160**	<0.50	**1.1**	**0.62**	<0.50	**20**	**20**	<2.0	<2.0	<2.0
GW-15	SGI	11/3/2014	**32,000**	**11,000**	**2,700**	**78**	**1,100**	**5,100**	<10	<40	<200	<40	<40	<40
GW-16	SGI	11/3/2014	**2,500**	**250**	**58**	**6.0**	**88**	**470**	<0.50	<2.0	<10	<2.0	<2.0	<2.0
DUPE-1 (GW-16)	SGI	11/3/2014	**2,300**	**290**	**56**	**5.6**	**85**	**449**	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GWR-1	BT	10/30/2014	<100[b]	**1,000**[a,c]	<0.50	<0.50	<0.50	<0.50	<0.50	**8.9**	**54**	**5.3**	<1.0	<1.0
HL-2	BT	10/29/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	**0.58**	<10	<1.0	<1.0	<1.0
HL-3	BT	10/30/2014	<100[b]	<100[d]	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-6	BT	10/29/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	**0.51**	**0.67**	<10	<1.0	<1.0	<1.0
MW-7	BT	10/29/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	**0.82**	<0.50	<10	<1.0	<1.0	<1.0
MW-8	BT	10/30/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	**2.9**	<10	<1.0	<1.0	<1.0
MW-9	BT	10/30/2014	<500[b]	**2,600**	<2.5	<2.5	<2.5	<2.5	<5.0	**6.7**	**51**	<5.0	<5.0	<5.0
MW-12	BT	10/29/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-13	SGI	10/28/2014	<100	**100**	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
MW-15	BT	10/31/2014	**590**	**8,300**	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	<50	<5.0	<5.0	<5.0
MW-16	SGI	10/27/2014	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
MW-17	SGI	10/27/2014	<100	<100	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
MW-18 (MID)	BT	10/31/2014	<200[b]	<50	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**87**	**5.1**	<2.0	<2.0
MW-19 (MID)	BT	10/30/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	**3.5**	**0.74**	**87**	**9.2**	<1.0	<1.0
MW-20 (MID)	BT	10/30/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	**10**	**8.7**	**18**	**6.6**	<1.0	<1.0
MW-21 (MID)	BT	10/30/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	**3.6**	**0.69**	<10	<1.0	<1.0	<1.0
MW-22 (MID)	SGI	10/28/2014	<100	**210**	<0.50	<0.50	<0.50	<1.5	**8.8**	**9.1**	<10	<2.0	<2.0	<2.0
MW-24	SGI	10/28/2014	<100	**240**	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
DUPE-2 (MW-24)	SGI	10/28/2014	<100	**240**	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
MW-26	SGI	10/30/2014	**1,400**	**670**	<0.50	<0.50	**0.54**	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
MW-27	SGI	10/29/2014	<100	**140**	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
MW-29	SGI	10/31/2014	**700**	**3,200**	**6.4**	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
MW-SF-5	BT	10/31/2014	<200[b]	**1,800**	**3.4**	**7.0**	**1.0**	**14**	<2.0	**17**	**70**	<2.0	<2.0	<2.0
MW-SF-16	BT	10/31/2014	**100,000**	**110,000**	**7,400**	**7,800**	**1,000**	**17,000**	<200	**350**	<2,000	<200	<200	<200

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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)
PW-3	BT	10/29/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
PZ-3	SGI	11/3/2014	**1,300**	**2,700**	**52**	<0.50	**1.4**	<1.5	<0.50	**3.7**	**12**	<2.0	<2.0	<2.0
PZ-5	BT	10/30/2014	**16,000**	**6,500**	**5,600**	<50	**410**	<50	<100	**440**	**110,000**	<100	<100	<100
DUP-5 (PZ-5)	BT	10/30/2014	**16,000**	**4,000**	**5,600**	<50	**420**	<50	<100	**440**	**110,000**	<100	<100	<100
TF-8	SGI	10/29/2014	<100	**1,000**	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
TF-9	SGI	10/31/2014	**1,100**	**1,300**	**6.0**	<0.50	**0.84**	**0.69**	<0.50	<2.0	**22**	<2.0	<2.0	<2.0
TF-17	SGI	11/3/2014	**2,900**	**7,100**	**68**	**2.3**	**48**	**228**	<0.50	**2.8**	<10	<2.0	<2.0	<2.0
TF-21	SGI	10/30/2014	**1,500**	**1,700**	**120**	<0.50	**1.2**	**0.54**	<0.50	**2.2**	<10	<2.0	<2.0	<2.0
TF-24	SGI	10/29/2014	<100	**1,900**	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
WCW-2	BT	10/28/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-3	BT	10/28/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	**0.84**	<0.50	<10	<1.0	<1.0	<1.0
WCW-4	BT	10/28/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-5	BT	10/28/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-6	BT	10/28/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-7	BT	10/28/2014	<100[b]	<50	<0.50	<0.50	<0.50	<0.50	**7.5**	**0.51**	<10	**1.2**	<1.0	<1.0
WCW-8	BT	10/28/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-12	BT	10/28/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-13	BT	10/28/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-14	BT	10/28/2014	<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.
"DUPE" and "DUP" indicate laboratory-blind duplicate samples.
a Reported concentration includes additional compounds uncharacteristic of common fuels and lubricants
b Reporting limits were increased due to sample foaming
c DRO concentration may include contributions from heavier-end hydrocarbons that elute in the DRO range
d Reporting limits were increased due to sample matrix interferences

TABLE 4
SUMMARY OF ADDITIONAL VOLATILE ORGANIC COMOUNDS DETECTED IN GROUNDWATER, OCTOBER 2014
Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Well	Sampled By	Sample Date	Acetone (µg/L)	2-Butanone (MEK) (µg/L)	n-Butylbenzene (µg/L)	sec-Butylbenzene (µg/L)	tert-Butylbenzene (µg/L)	Carbon Disulfide (µg/L)	Chloroform (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)	Trichloroethene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	Vinyl Chloride (µg/L)
EXP-1	SGI	10/28/2014	<10	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50
EXP-1	BT	10/28/2014	<10	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<0.50
EXP-2	SGI	10/28/2014	<10	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50
EXP-2	BT	10/28/2014	<10	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<0.50
EXP-3	SGI	10/28/2014	<10	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50
EXP-3	BT	10/28/2014	<10	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<0.50
EXP-4	BT	10/28/2014	<10	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<0.50
EXP-5	BT	10/28/2014	<10	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<0.50
GMW-1	BT	10/30/2014	<10	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<0.50
GMW-3	BT	10/29/2014	<10	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<0.50
GMW-5	SGI	10/27/2014	<10	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50
GMW-6	SGI	10/27/2014	<10	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50
GMW-8	BT	10/29/2014	<20	<20	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0
GMW-12	SGI	10/29/2014	<10	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50
GMW-13	BT	10/29/2014	<10	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<0.50
GMW-14	BT	10/30/2014	<20	<20	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0
GMW-15	SGI	10/30/2014	<10	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**0.76**	<1.0	<2.0	**0.61**	<0.50	<0.50	<0.50	<0.50
GMW-16	SGI	10/27/2014	<10	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50
GMW-17	SGI	10/31/2014	<10	<10	<0.50	**0.63**	<0.50	<0.50	<0.50	<0.50	<0.50	**3.9**	<1.0	**4.5**	**2.8**	<0.50	<0.50	**0.57**	<0.50
DUPE-1 (GMW-17)	SGI	10/31/2014	<10	<10	<0.50	**0.66**	<0.50	<0.50	<0.50	<0.50	<0.50	**4.0**	<1.0	**4.2**	**2.8**	<0.50	<0.50	**0.59**	<0.50
GMW-18	SGI	11/3/2014	<10	<10	**48**	**46**	**11**	<0.50	<0.50	<0.50	<0.50	**60**	**51**	**140**	**50**	<0.50	**260**	**180**	<0.50
DUPE-2 (GMW-18)	SGI	11/3/2014	<1,000	<1,000	<50	<50	<50	<50	<50	<50	<50	<50	<100	<200	<50	<50	**290**	**130**	<50
GMW-19	SGI	10/28/2014	<10	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50
DUPE-1 (GMW-19)	SGI	10/28/2014	<10	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50
GMW-21	SGI	11/3/2014	<10	<10	**1.7**	**9.7**	**1.6**	<0.50	<0.50	<0.50	<0.50	**48**	**1.0**	**6.5**	**20**	<0.50	**25**	**9.1**	<0.50
GMW-23	BT	10/31/2014	<2,000	<2,000	<100	<100	<100	<500	<100	<100	<100	<100	<100	<400	<100	<100	**1,000**	**290**	<100
GMW-27	BT	10/30/2014	<10	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<0.50
DUP-3 (GMW-27)	BT	10/30/2014	<20	<20	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0
GMW-28	BT	10/31/2014	<20	<20	<1.0	**1.5**	<1.0	<5.0	<1.0	<1.0	<1.0	**2.0**	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0
GMW-31	SGI	10/29/2014	<10	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50
GMW-32	SGI	10/30/2014	<10	<10	<0.50	**3.8**	**1.0**	<0.50	<0.50	<0.50	<0.50	**7.8**	<1.0	<2.0	**3.3**	<0.50	<0.50	<0.50	<0.50
GMW-37	BT	10/29/2014	<10	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<0.50
GMW-38	BT	10/29/2014	<10	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<0.50

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

Well	Sampled By	Sample Date	Acetone (µg/L)	2-Butanone (MEK) (µg/L)	n-Butylbenzene (µg/L)	sec-Butylbenzene (µg/L)	tert-Butylbenzene (µg/L)	Carbon Disulfide (µg/L)	Chloroform (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)	Trichloroethene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	Vinyl Chloride (µg/L)
GMW-39	BT	10/30/2014	<10	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<0.50
DUP-4 (GMW-39)	BT	10/30/2014	<20	<20	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0
GMW-40	SGI	10/29/2014	<10	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50
DUPE-1 (GMW-40)	SGI	10/29/2014	<10	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50
GMW-41	SGI	10/28/2014	<10	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50
GMW-42	SGI	10/27/2014	<10	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50
GMW-43	SGI	10/27/2014	<10	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50
GMW-44	SGI	10/27/2014	<10	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50
GMW-45	SGI	10/30/2014	<10	<10	**1.8**	**8.3**	**1.4**	<0.50	<0.50	<0.50	<0.50	**43**	<1.0	**35**	**45**	<0.50	<0.50	<0.50	<0.50
GMW-47	SGI	10/29/2014	<10	<10	<0.50	<0.50	**0.53**	<0.50	<0.50	**0.66**	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50
GMW-48	SGI	10/31/2014	<10	<10	**2.5**	**6.3**	**1.5**	<0.50	<0.50	<0.50	**7.6**	**46**	<1.0	**38**	**50**	<0.50	<0.50	<0.50	<0.50
GMW-56	SGI	10/27/2014	<10	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50
GMW-57	SGI	10/29/2014	<10	<10	<0.50	<0.50	<0.50	<0.50	<0.50	**0.56**	<0.50	**2.8**	<1.0	<2.0	**0.92**	<0.50	<0.50	<0.50	<0.50
GMW-58	SGI	10/29/2014	<10	<10	<0.50	**0.88**	**0.52**	<0.50	<0.50	<0.50	<0.50	**6.8**	<1.0	<2.0	**3.4**	<0.50	<0.50	<0.50	<0.50
DUPE-2 (GMW-58)	SGI	10/29/2014	<10	<10	<0.50	**0.86**	**0.54**	<0.50	<0.50	<0.50	<0.50	**7.0**	<1.0	<2.0	**3.5**	<0.50	<0.50	<0.50	<0.50
GMW-59	SGI	11/3/2014	<10	<10	**1.2**	**5.4**	**1.0**	<0.50	<0.50	<0.50	**2.7**	**50**	<1.0	**20**	**21**	<0.50	<0.50	<0.50	<0.50
GMW-60	SGI	10/30/2014	<10	<10	<0.50	**1.3**	<0.50	<0.50	<0.50	<0.50	<0.50	**10**	<1.0	**10**	**10**	<0.50	<0.50	<0.50	<0.50
DUPE-1 (GMW-60)	SGI	10/30/2014	<10	<10	<0.50	**1.3**	<0.50	<0.50	<0.50	<0.50	<0.50	**11**	<1.0	**12**	**10**	<0.50	<0.50	<0.50	<0.50
GMW-61	SGI	10/29/2014	<10	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**0.66**	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50
GMW-63	SGI	12/17/2014	<10	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50
GMW-64	SGI	12/17/2014	<10	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50
GMW-65	SGI	12/17/2014	<10	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50
GMW-66	SGI	10/28/2014	<10	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50
GMW-O-1	BT	10/29/2014	<10	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<0.50
GMW-O-2	BT	10/29/2014	<10	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<0.50
GMW-O-3	BT	10/29/2014	<10	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<0.50
GMW-O-4	BT	10/29/2014	<10	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<0.50
GMW-O-5	BT	10/29/2014	<10	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<0.50
GMW-O-9	BT	10/29/2014	<10	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<0.50
GMW-O-10	BT	10/30/2014	<10	<10	<1.0	<1.0	<1.0	<2.5	<1.0	**1.6**	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<0.50
DUP-2 (GMW-O-10)	BT	10/30/2014	<20	<20	<1.0	<1.0	<1.0	<5.0	<1.0	**1.4**	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0
GMW-O-14	BT	10/31/2014	<1,000	<1,000	<50	<50	<50	<250	<50	<50	<50	<50	<50	<200	**62**	<50	**190**	<50	<50
DUP-6 (GMW-O-14)	BT	10/31/2014	<1,000	<1,000	<50	<50	<50	<250	<50	<50	<50	<50	<50	<200	**74**	<50	**390**	**65**	<50
GMW-O-16	BT	10/29/2014	<10	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<0.50
GMW-O-17	BT	10/29/2014	<10	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<0.50

TABLE 4
SUMMARY OF ADDITIONAL VOLATILE ORGANIC COMOUNDS DETECTED IN GROUNDWATER, OCTOBER 2014
Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Well	Sampled By	Sample Date	Acetone (µg/L)	2-Butanone (MEK) (µg/L)	n-Butylbenzene (µg/L)	sec-Butylbenzene (µg/L)	tert-Butylbenzene (µg/L)	Carbon Disulfide (µg/L)	Chloroform (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)	Trichloroethene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	Vinyl Chloride (µg/L)
GMW-O-19	BT	10/29/2014	<10	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<0.50
GMW-O-24	BT	10/29/2014	<10	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<0.50
DUP-1 (GMW-O-24)	BT	10/29/2014	<10	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<0.50
GMW-SF-7	BT	10/29/2014	<10	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<0.50
GMW-SF-8	BT	10/29/2014	<10	<10	<1.0	<1.0	<1.0	<2.5	**1.2**	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<0.50
GW-2	SGI	11/3/2014	<10	<10	**1.7**	**1.6**	<0.50	<0.50	<0.50	<0.50	<0.50	**6.8**	**1.7**	**11**	**8.5**	<0.50	**47**	**17**	<0.50
GW-3	SGI	10/27/2014	<10	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50
GW-6	SGI	10/27/2014	<10	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50
GW-8	SGI	10/28/2014	<10	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50
GW-13	SGI	11/3/2014	<10	<10	**1.3**	**1.4**	<0.50	<0.50	<0.50	<0.50	<0.50	**6.5**	**1.4**	**7.6**	**7.9**	<0.50	**41**	**15**	<0.50
GW-14	SGI	10/31/2014	<10	<10	**1.2**	**6.2**	**1.9**	<0.50	<0.50	<0.50	**1.1**	**35**	<1.0	**34**	**35**	<0.50	<0.50	<0.50	<0.50
GW-15	SGI	11/3/2014	<200	<200	**16**	**18**	<10	<10	<10	<10	<10	**110**	<20	**110**	**130**	<10	**660**	**230**	<10
GW-16	SGI	11/3/2014	<10	<10	**2.1**	**1.9**	<0.50	<0.50	<0.50	<0.50	<0.50	**10**	**2.1**	**10**	**12**	<0.50	**59**	**21**	<0.50
DUPE-1 (GW-16)	SGI	11/3/2014	<10	<10	**1.9**	**2.0**	<0.50	<0.50	<0.50	<0.50	<0.50	**9.8**	**2.0**	**11**	**11**	<0.50	**58**	**21**	<0.50
GWR-1	BT	10/30/2014	<20	<20	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0
HL-2	BT	10/29/2014	<10	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<0.50
HL-3	BT	10/30/2014	<20	<20	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0
MW-6	BT	10/29/2014	<10	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<0.50
MW-7	BT	10/29/2014	<10	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<0.50
MW-8	BT	10/30/2014	<10	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<0.50
MW-9	BT	10/30/2014	<100	<100	<5.0	<5.0	<5.0	<25	<5.0	<5.0	<5.0	**12**	<5.0	<20	<5.0	<5.0	<5.0	<1.0	<5.0
MW-12	BT	10/29/2014	<10	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<0.50
MW-13	SGI	10/28/2014	<10	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50
MW-15	BT	10/31/2014	<100	<100	<5.0	<5.0	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<5.0	<5.0	<5.0	<5.0
MW-16	SGI	10/27/2014	<10	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50
MW-17	SGI	10/27/2014	<10	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50
MW-18 (MID)	BT	10/31/2014	<40	<40	<2.0	<2.0	<2.0	<10	<2.0	<2.0	<2.0	<2.0	<2.0	<10	<2.0	<2.0	<2.0	<2.0	<2.0
MW-19 (MID)	BT	10/30/2014	<10	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<0.50
MW-20 (MID)	BT	10/30/2014	<10	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<0.50
MW-21 (MID)	BT	10/30/2014	<10	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<0.50
MW-22 (MID)	SGI	10/28/2014	<10	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50
MW-24	SGI	10/28/2014	<10	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50
DUPE-2 (MW-24)	SGI	10/28/2014	<10	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50
MW-26	SGI	10/30/2014	<10	<10	**3.1**	**9.6**	**1.6**	<0.50	<0.50	<0.50	<0.50	**43**	<1.0	**48**	**61**	<0.50	<0.50	<0.50	<0.50
MW-27	SGI	10/29/2014	<10	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50
MW-29	SGI	10/31/2014	<10	<10	<0.50	**2.6**	**1.0**	<0.50	<0.50	<0.50	<0.50	**14**	<1.0	**13**	**10**	<0.50	<0.50	**0.65**	<0.50

TABLE 4
SUMMARY OF ADDITIONAL VOLATILE ORGANIC COMOUNDS DETECTED IN GROUNDWATER, OCTOBER 2014
Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Well	Sampled By	Sample Date	Acetone (µg/L)	2-Butanone (MEK) (µg/L)	n-Butylbenzene (µg/L)	sec-Butylbenzene (µg/L)	tert-Butylbenzene (µg/L)	Carbon Disulfide (µg/L)	Chloroform (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)	Trichloroethene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	Vinyl Chloride (µg/L)
MW-SF-5	BT	10/31/2014	<40	<40	<2.0	<2.0	<2.0	<10	<2.0	<2.0	<2.0	<2.0	<2.0	<10	<2.0	<2.0	<2.0	<2.0	<2.0
MW-SF-16	BT	10/31/2014	<4,000	<4,000	<200	<200	<200	<2.5	<200	<200	<200	<200	<200	**1,300**	**200**	<200	**4,200**	**1,100**	<200
PW-3	BT	10/29/2014	<10	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<0.50
PZ-3	SGI	11/3/2014	<10	<10	**0.95**	**9.8**	**1.9**	<0.50	<0.50	<0.50	<0.50	**68**	<1.0	**70**	**65**	<0.50	<0.50	<0.50	<0.50
PZ-5	BT	10/30/2014	<2,000	<2,000	<100	<100	<100	<500	<100	<100	<100	<100	<100	<400	<100	<100	<100	<100	<100
DUP-5 (PZ-5)	BT	10/30/2014	<2,000	<2,000	<100	<100	<100	<500	<100	<100	<100	<100	<100	<400	<100	<100	<100	<100	<100
TF-8	SGI	10/29/2014	<10	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50
TF-9	SGI	10/31/2014	<10	<10	**0.86**	**8.4**	**1.6**	<0.50	<0.50	<0.50	<0.50	**48**	<1.0	**86**	**52**	<0.50	**0.64**	**0.65**	<0.50
TF-17	SGI	11/3/2014	<10	<10	**1.5**	**2.9**	**1.9**	<0.50	<0.50	<0.50	<0.50	**14**	**1.2**	**16**	**11**	<0.50	**36**	**13**	<0.50
TF-21	SGI	10/30/2014	<10	<10	<0.50	**7.0**	**1.5**	<0.50	<0.50	<0.50	**0.73**	**55**	<1.0	**21**	**57**	<0.50	<0.50	<0.50	<0.50
TF-24	SGI	10/29/2014	<10	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50
WCW-2	BT	10/28/2014	<10	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<0.50
WCW-3	BT	10/28/2014	<10	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<0.50
WCW-4	BT	10/28/2014	<10	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<0.50
WCW-5	BT	10/28/2014	<10	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<0.50
WCW-6	BT	10/28/2014	<10	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<0.50
WCW-7	BT	10/28/2014	<10	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<0.50
WCW-8	BT	10/28/2014	<10	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<0.50
WCW-12	BT	10/28/2014	<10	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<0.50
WCW-13	BT	10/28/2014	<10	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<0.50
WCW-14	BT	10/28/2014	<10	<10	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<0.50

Notes:
Detected concentrations are shown in **bold**.
MEK = methyl ethyl ketone
µg/L = micrograms per liter
SGI = The Source Group, Inc.
µg/L = micrograms per liter
<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 5
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)	n-Butylbenzene (µg/L)	sec-Butylbenzene (µg/L)	tert-Butylbenzene (µg/L)	1,1-Dichloroethane (µg/L)	1,2-Dichloroethane (µg/L)	cis-1,2,-Dichloroethene (µg/L)	Isopropylbenzene (µg/L)	4-Isopropyltoluene (µg/L)	Naphthalene (µg/L)	n-Propylbenzene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)
EXP-1	SGI	10/28/2014	<100	<100	<0.50	<0.50	<0.50	<1.5	<2.0	<10	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
EXP-1	BT	10/28/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	**1.3**	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
EXP-2	SGI	10/28/2014	<100	<100	<0.50	<0.50	<0.50	<1.5	<2.0	<10	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
EXP-2	BT	10/28/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
EXP-3	SGI	10/28/2014	<100	<100	<0.50	<0.50	<0.50	<1.5	<2.0	<10	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
EXP-3	BT	10/28/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<1.0	**0.52**	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
GMW-17	SGI	10/31/2014	**510**	**2,300**	**10**	**1.5**	<0.50	**2.74**	<2.0	**30**	<2.0	<0.50	**0.63**	<0.50	<0.50	<0.50	<0.50	**3.9**	<1.0	**4.5**	**2.8**	<0.50	**0.57**
DUPE-1 (GMW-17)	SGI	10/31/2014	**460**	**2,200**	**11**	**1.5**	<0.50	**2.65**	<2.0	**17**	<2.0	<0.50	**0.66**	<0.50	<0.50	<0.50	<0.50	**4.0**	<1.0	**4.2**	**2.8**	<0.50	**0.59**
GMW-18	SGI	11/3/2014	**15,000**	**230,000**	**110**	**0.93**	**120**	**338**	**4.2**	<10	<2.0	**48**	**46**	**11**	<0.50	<0.50	<0.50	**60**	**51**	**140**	**50**	**260**	**180**
DUPE-2 (GMW-18)	SGI	11/3/2014	**37,000**	**220,000**	**220**	<50	**120**	**440**	<200	<1,000	<200	<50	<50	<50	<50	<50	<50	<50	<100	<200	<50	**290**	**130**
GMW-19	SGI	10/28/2014	<100	**130**	<0.50	<0.50	<0.50	<1.5	<2.0	<10	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
DUPE-1 (GMW-19)	SGI	10/28/2014	<100	**120**	<0.50	<0.50	<0.50	<1.5	<2.0	<10	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
GMW-27	BT	10/30/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	**260**	**6.7**	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<0.50
DUP-3 (GMW-27)	BT	10/30/2014	<100	<50	<0.50	<0.50	<0.50	<0.50	<0.50	**340**	**6.4**	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
GMW-39	BT	10/30/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	**1.7**	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<0.50
DUP-4 (GMW-39)	BT	10/30/2014	<100	<50	<0.50	<0.50	<0.50	<0.50	**3.6**	**15**	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
GMW-40	SGI	10/29/2014	<100	<100	<0.50	<0.50	<0.50	<1.5	<2.0	<10	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
DUPE-1 (GMW-40)	SGI	10/29/2014	<100	<100	<0.50	<0.50	<0.50	<1.5	<2.0	<10	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
GMW-58	SGI	10/29/2014	**280**	**340**	**37**	<0.50	<0.50	<1.5	<2.0	<10	<2.0	<0.50	**0.88**	**0.52**	<0.50	<0.50	<0.50	**6.8**	<1.0	<2.0	**3.4**	<0.50	<0.50
DUPE-2 (GMW-58)	SGI	10/29/2014	**260**	**420**	**36**	<0.50	<0.50	<1.5	<2.0	<10	<2.0	<0.50	**0.86**	**0.54**	<0.50	<0.50	<0.50	**7.0**	<1.0	<2.0	**3.5**	<0.50	<0.50
GMW-60	SGI	10/30/2014	**470**	**1,500**	**8.6**	<0.50	<0.50	<1.5	<2.0	**680**	<2.0	<0.50	**1.3**	<0.50	<0.50	<0.50	<0.50	**10**	<1.0	**10**	**10**	<0.50	<0.50
DUPE-1 (GMW-60)	SGI	10/30/2014	**500**	**1,800**	**7.1**	<0.50	<0.50	<1.5	<2.0	**780**	<2.0	<0.50	**1.3**	<0.50	<0.50	<0.50	<0.50	**11**	<1.0	**12**	**10**	<0.50	<0.50
GMW-O-10	BT	10/30/2014	**110**	**51**	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0	<1.0	**1.6**	<0.50	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<0.50
DUP-2 (GMW-O-10)	BT	10/30/2014	<100	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0	<1.0	**1.4**	<0.50	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
GMW-O-14	BT	10/31/2014	**19,000**	**1,300**	**6,600**	**50**	**730**	**350**	<25	<500	**200**	<50	<50	<50	<50	<50	<50	<50	<50	<200	**62**	**190**	<50
DUP-6 (GMW-O-14)	BT	10/31/2014	**25,000**	**1,600**	**6,200**	**110**	**710**	**710**	<25	<500	**200**	<50	<50	<50	<50	<50	<50	<50	<50	<200	**74**	**390**	**65**
GMW-O-24	BT	10/29/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
DUP-1 (GMW-O-24)	BT	10/29/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
GW-16	SGI	11/3/2014	**2,500**	**250**	**58**	**6.0**	**88**	**470**	<2.0	<10	<2.0	**2.1**	**1.9**	<0.50	<0.50	<0.50	<0.50	**10**	**2.1**	**10**	**12**	**59**	**21**
DUPE-1 (GW-16)	SGI	11/3/2014	**2,300**	**290**	**56**	**5.6**	**85**	**449**	<2.0	<10	<2.0	**1.9**	**2.0**	<0.50	<0.50	<0.50	<0.50	**9.8**	**2.0**	**11**	**11**	**58**	**21**
MW-24	SGI	10/28/2014	<100	**240**	<0.50	<0.50	<0.50	<1.5	<2.0	<10	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
DUPE-2 (MW-24)	SGI	10/28/2014	<100	**240**	<0.50	<0.50	<0.50	<1.5	<2.0	<10	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50
PZ-5	BT	10/30/2014	**16,000**	**6,500**	**5,600**	<50	**410**	<50	**440**	**110,000**	<100	<100	<100	<100	<100	<100	<100	<100	<100	<400	<100	<100	<100
DUP-5 (PZ-5)	BT	10/30/2014	**16,000**	**4,000**	**5,600**	<50	**420**	<50	**440**	**110,000**	<100	<100	<100	<100	<100	<100	<100	<100	<100	<400	<100	<100	<100

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 6
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)	sec-Butylbenzene (µg/L)	Isopropylbenzene (µg/L)	n-Propylbenzene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)
QCTB-1	SGI	10/27/2014	<100	-----	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<0.50	<0.50	<0.50	<0.50	<0.50
QCEB-1	SGI	10/27/2014	<100	-----	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<0.50	<0.50	<0.50	<0.50	<0.50
QCTB-1	SGI	10/28/2014	<100	-----	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<0.50	<0.50	<0.50	<0.50	<0.50
QCEB-1	SGI	10/28/2014	<100	-----	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<0.50	<0.50	<0.50	<0.50	<0.50
TB-1	BT	10/28/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<1.0
EB-1	BT	10/28/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<1.0
EB-2	BT	10/28/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<1.0
QCTB-1	SGI	10/29/2014	<100	-----	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<0.50	<0.50	<0.50	<0.50	<0.50
QCEB-1	SGI	10/29/2014	**180**	-----	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	**0.63**	**0.54**	**0.92**	<0.50	<0.50
TB-2	BT	10/29/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<1.0
EB-3	BT	10/29/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<1.0
EB-4	BT	10/29/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<1.0
QCTB-1	SGI	10/30/2014	<100	-----	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<0.50	<0.50	<0.50	<0.50	<0.50
QCEB-1	SGI	10/30/2014	<100	-----	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<0.50	<0.50	<0.50	<0.50	<0.50
TB-3	BT	10/30/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<1.0
EB-5	BT	10/30/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<1.0
EB-6	BT	10/30/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<1.0
QCTB-1	SGI	10/31/2014	<100	-----	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<0.50	<0.50	<0.50	<0.50	<0.50
QCEB-1	SGI	10/31/2014	<100	-----	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<0.50	<0.50	<0.50	**0.82**	<0.50
TB-4	BT	10/31/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<1.0
EB-7	BT	10/31/2014	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<1.0
QCTB-1	SGI	11/3/2014	<100	-----	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<0.50	<0.50	<0.50	<0.50	<0.50
QCEB-1	SGI	11/3/2014	**330**	-----	<0.50	<0.50	**0.52**	**2.1**	<0.50	<2.0	<10	<0.50	<0.50	<0.50	**2.5**	**1.2**
QCTB-1	SGI	12/17/2014	<100	-----	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<0.50	<0.50	<0.50	<0.50	<0.50
QCEB-1	SGI	12/17/2014	<100	-----	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<0.50	<0.50	<0.50	<0.50	<0.50

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.
<100 = 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 2014 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	10-27-14		58.44		
EXP-2	↓		59.11		
EXP-3		–	57.70		
GMW-5			34.12		
GMW-6			33.65		
GMW-7		32.20	~~31.64~~ 32.22		Pump in well
GMW-12			31.39		
GMW-15			32.58		
GMW-16			33.43		
GMW-17			31.03		
GMW-18			31.13		
GMW-19			33.20		
GMW-20			31.43		
GMW-21			32.52		Sock in well
GMW-31			32.88		
GMW-32			30.72		
GMW-33			—		obstruction in well
GMW-35		32.16	32.18		
GMW-40			30.03		
GMW-41			30.78		
GMW-42			31.93		
GMW-43			30.87		
GMW-44			31.10		
GMW-45			32.01		
GMW-47	↓		32.11		

MONITORING WELL GAUGING DATA
Second Semiannual 2014 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-48	10-27-14		30.17		
GMW-54			31.43		
GMW-56			32.77		
GMW-57			32.69		
GMW-58			30.69		
GMW-59			29.92		
GMW-60			~~31.39~~ 32.15		
GMW-61			31.39		
GMW-62			–		No access agreement - park wells
GMW-63			–		
GMW-64			–		
GMW-65			–		
GMW-66			32.93		
GW-1			32.47		
GW-2			32.16		
GW-3			32.34		
GW-4			–		Pump in well, no access
GW-5			33.45		
GW-6			32.87		
GW-7			31.64		pump in well
GW-8			32.62		
GW-13			33.35		
GW-14			32.87		
GW-15		32.82	32.87		
GW-16			32.46		

MONITORING WELL GAUGING DATA
Second Semiannual 2014 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-13	10-27-14		34.39		
MW-14			35.03		
MW-16			32.84		
MW-17			33.76		
MW-22-MID			37.57		
MW-24			34.96		
MW-26			33.81		
MW-27			34.63		
MW-28			34.79		
MW-29			35.26		
PZ-3			32.41		
TF-8			31.22		
TF-9			30.67		
TF-15		30.31	30.86		
TF-16		31.58	32.92		
TF-17			31.16		Sock in well 1.0 lbs Replaced Sock
TF-18		29.48	30.91		Sock in well 6.1lb Replaced sock
TF-19		30.72	31.46		
TF-20		37.76	31.79		
TF-21			30.92		
TF-23		31.15	31.16		
TF-24			32.90		

Notes: Sample wells in **BOLD** text
feet btc = feet below top of well casing
TF-10 Bee hive

INSTRUMENT CALIBRATION LOG
Second Semiannual 2014 Monitoring Event
Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

10-27
~~10-27~~ @ 330
3 30

Instrument	ID Number	Date/Time of Test	Standards Used	Instrument Reading	Calibration to: or Within 10%:	Temperature	Initials
YSI-556		FACTORY CAL	FACTORY	SEE SHEET	YES	NT	DL
YSI-556		10-27-14 @ 330	PH-7.0 COND-1413	PH @ 7.04 COND @ 1420 mV	YES	NT	DL
YSI-556		10-28-14 @ 750 AM	PH-7.0 COND-1413	PH @ 7.02 COND @ 1422 mV	YES	NT	DL
YSI-556		10-28-14 @ 345 pm	PH @ 7.0	PH @ 7.02	YES	20.35 NT	DL
YSI-556		10-28-14 @ 350	COND @ 1413	COND @ 1408	YES	20.37 NT	DL
YSI-556		10-28-14 @ 355	ORP @ 220 MV.	ORP @ 218.7	YES	20.37 NT	DL
YSI-556		10-29-14 @ 710	PH @ 7.0	6.99	YES		DL
YSI-556		" @ 715	COND @ 1413	1409	YES		DL
YSI-556		" @ 720	ORP @ 220 MV	218.4	YES		DL
YSI-556		10-29-14 145	PH @ 7.0	6.98	YES		DL
YSI-556		" 150	COND @ 1413	1407	YES		DL
YSI-556		" 155	ORP @ 220 MV	218.7	YES		DL
YSI-556		10-30 710	PH 7.0	7.01	YES		DL
YSI-556		" 715	COND 1413	1408	YES		DL
YSI-556		" 720	ORP 220	218.5	YES		DL
"		10-30 345	~~PH~~ 7.0	7.03	YES		
"		10-31 350	COND 1413	1406	YES		
"		10-31 355	ORP 220	217.9	YES		

MONITORING WELL INSPECTION CHECKLIST
Second Semiannual 2014 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	12-17-14	X		Y	Y	Y	Y	NO CAP	Y	some tubing AND HARDWARE IN MON.
EXP-2	12-17-14	X		Y	Y	Y	Y	N CAP	Y	"
EXP-3	12-17-14	X		N	Y	Y	Y	Y	Y	"
GMW-5	12-17-14		X	Y	Y	Y	N	N	Y	NEEDS LID EMCO/WHEATON/4" CAP
GMW-6	12-17-14		X	Y	Y	Y	Y	Y	Y	
GMW-7	12-17-14		X	Y	Y	N	Y	Y	Y	
GMW-12	12-17-14		X	Y	Y	Y	Y	Y	Y	
GMW-15	12-17-14		X	Y	Y	Y	Y	N	Y	~~pump to well - ACTIVE~~ DL
GMW-16	12-17-14		X	Y	Y	Y	Y	N	Y	~~pump to well - ACTIVE~~ DL
GMW-17	12-17-14		X	Y	Y	Y	Y	Y	Y	
GMW-18	12-17-14		X	Y	Y	Y	Y	Y	Y	
* GMW-19	12-17-14		X	Y	N	N	N	Y	N	NEEDS NEW BOX + SETTING - BELOW GRADE
GMW-20	12-17-14		X	Y	Y	N	Y	Y	Y	
GMW-21	12-17-14		X	Y	Y	Y	Y	Y	Y	
GMW-31	12-17-14		X	Y	Y	Y	Y	Y	Y	
GMW-32	12-17-14		X	Y	Y	N	N	Y	Y	BROKEN LID AND BOX
GMW-33	12-17-14		X	Y	Y	N	Y	Y	Y	LABELING
GMW-35	12-17-14		X	Y	Y	Y	N	Y	Y	CRACKED LID
GMW-40	12-17-14		X	Y	Y	N	Y	Y	Y	
GMW-41	12-17-14		X	Y	Y	N	Y	Y	Y	
GMW-42	12-17-14		X	Y	Y	N	Y	Y	Y	NEED LABELING
GMW-43	12-17-14		X	Y	Y	N	N	Y	Y	NEEDS BOX
GMW-44	12-17-14		X	Y	Y	N	Y	Y	Y	
GMW-45	12-17-14		X	Y	Y	Y	Y	Y	Y	

MONITORING WELL INSPECTION CHECKLIST
Second Semiannual 2014 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-47	12-17-14		X	Y	Y	NO	Y	Y	Y	
GMW-48	12-17-14		X	Y	Y	NO	NO	Y	Y	CRACKED Concrete box - Rim broken
GMW-54	12-17-14		X	Y	Y	NO	Y	Y	Y	
GMW-56	12-17-14		X	Y	Y	Y	Y	Y	Y	
GMW-57	12-17-14		X	Y	Y	N	Y	Y	Y	NEED BOLTS
GMW-58	12-17-14		X	Y	Y	Y	Y	Y	Y	
GMW-59	12-17-14		X	Y	Y	N	Y	Y	Y	LABELING
GMW-60	12-17-14		X	Y	Y	Y	Y	Y	Y	
GMW-61	12-17-14		X	Y	Y	Y	Y	Y	Y	
GMW-62	12-17-14		X	Y	Y	Y	Y	NO	Y	4" metal CAP - skimmer - rope obstruction
* GMW-63	12-17-14		X	Y	Y	Y	Y	NO	NO	4" CAP plastic bcg CAP.
GMW-64	12-17-14		X	Y	Y	Y	Y	NO	Y	4" CAP
GMW-65	12-17-14		X	Y	Y	Y	Y	NO	Y	~~skimmer to well - rope obstruction~~ ~~THREAD metal CAP~~ → 4" CAP
GMW-66	12-17-14		X	Y	Y	Y	Y	Y	Y	
GW-1	12-17-14		X	Y	Y	Y	Y	Y	Y	
GW-2	12-17-14		X	Y	Y	Y	Y	NO	Y	ACTIVE PUMP IN WELL
GW-3	12-17-14		X	Y	Y	Y	Y	Y	Y	
GW-4	12-17-14		X	Y	Y	Y	Y	Y	Y	
GW-5	12-17-14		X	Y	Y	Y	Y	Y	Y	
GW-6	12-17-14		X	Y	Y	NO	NO	Y	Y	CRACKED SKIRT - BOX OK
GW-7	12-17-14		X	Y	Y	Y	Y	Y	Y	
GW-8	12-17-14		X	Y	Y	Y	Y	Y	Y	
GW-13	12-17-14		X	Y	Y	Y	Y	NO	Y	PUMP IN WELL-ACTIVE
GW-14	12-17-14		X	Y	Y	Y	Y	Y	Y	

MONITORING WELL INSPECTION CHECKLIST
Second Semiannual 2014 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-15	12-17-14		X	Y	Y	Y	Y	N	Y	pump in well - ACTIVE
GW-16	12-17-14		X	Y	Y	Y	Y	N	Y	" " "
MW-13	12-17-14	X		Y	Y	N	N	N	Y	4" PVC CAP
MW-14	12-17-14	X		Y	Y	Y	Y	Y	Y	
MW-16	12-17-14	X		Y	Y	Y	Y	Y	Y	
MW-17	12-17-14	X		Y	Y	Y	NO	Y	Y	
MW-22-MID	12-17-14	X		Y	Y	Y	Y	Y	Y	
MW-24	12-17-14	X		Y	Y	Y	Y	Y	Y	
MW-26	12-17-14	X		Y	Y	Y	Y	Y	Y	
MW-27	12-17-14	X		Y	Y	NO	Y	Y	Y	IID.
MW-28	12-17-14	X		Y	Y	Y	Y	Y	Y	
MW-29	12-17-14	X		X	Y	Y	Y	NO	Y	CAP 4"
PZ-3	12-17-14		X	Y	Y	Y	Y	Y	Y	
TF-8	12-17-14		X	Y	Y	Y	Y	Y	Y	
TF-9	12-17-14		X	Y	Y	Y	Y	Y	Y	
TF-15	12-17-14		X	Y	Y	Y	Y	Y	Y	
TF-16	12-17-14		X	Y	Y	Y	Y	Y	Y	
TF-17	12-17-14		X	Y	Y	Y	Y	Y	Y	
TF-18	12-17-14		X	Y	Y	Y	Y	Y	Y	
TF-19	12-17-14		X	Y	Y	N	Y	Y	Y	
TF-20	12-17-14		X	Y	Y	Y	Y	Y	Y	
TF-21	12-17-14		X	Y	Y	Y	Y	Y	Y	
TF-23	12-17-14		X	Y	Y	Y	Y	Y	Y	
TF-24	12-17-14		X	Y	Y	Y	Y	Y	Y	

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: EXP-1

Well Diameter: 4"

Date: 10-28-14

128.50 (TD) -- 58.44 (DTW) = 70.06 (Water Column)

Pump Intake Depth, Screened Above Water Table:

58.44 (DTW) + 1/2(35.03 (Water Column)) = 93.47 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

82.00 (Top of Screen Depth) +1/2(40.00 (Screen Length 20.00)) = 102.00 (Pump Intake Depth)

Date Purged: 10-28-14 **Start (24 Hour)** 822A **End (24 Hour)** 840A

Date Sampled: 10-28-14 **Start (24 Hour)** 840 A **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)
824	.25	58.49	7.54	1.010	73.0	21.34	3.14	clear	0.29
826	.50	NT	7.44	1.047	61.7	21.37	2.42	clr	0.27
828	.75	58.60	7.39	1.069	87.7	21.57	1.95	clr	NT
830	1.0	58.64	7.36	1.085	140.8	21.66	1.35	"	NT
833	1.25	NT	7.35	1.086	151.9	21.72	1.23	"	0.84
835	1.5	NT	7.35	1.085	159.9	21.77	1.12	"	0.71
837	1.75	58.65	7.35	1.085	162.4	21.79	1.07	"	NT
840	2.0	NT	7.35	1.085	164.1	21.80	1.04	"	0.87

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:

obtain split sample w BLAINE TECH.

Completed By (Print Name): Dave Lubben ✓

Signature:

Reviewed By: DS

Date: 12/15/14

The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Well ID: Exp-2

Client/Station: Defense Fuel Support Point Norwalk

Well Diameter: 4"

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Date: 10-28-14

149.00 (TD) -- 59.11 (DTW) = 89.89 (Water Column)

Pump Intake Depth, Screened Above Water Table: DTW 59.11 + 1/2(Water Column ____) = Pump Intake Depth ____

< OR >

Pump Intake Depth, Submerged Screen: Top of Screen Depth 90.00 +1/2(Screen Length 15' (30)) = Pump Intake Depth 105.0 @ 2.5 GAL

Date Purged: 10-28-14 **Start (24 Hour)** 947A **End (24 Hour)** 1008

Date Sampled: 10-28-14 **Start (24 Hour)** 1010A **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)
949 NM	.25	NT	7.42	1.394	67.8	22.25	2.95	clr	NT
951	.50	59.18	7.30	1.554	51.4	22.04	2.32	clr	0.07
953	.75	59.22	7.25	1.612	94.1	22.08	1.46	clr	0.03
955	1.0	59.25	7.24	1.616	106.4	22.10	1.37	clr	NT
957	1.25	NT	7.24	1.617	114.0	22.10	1.28	clr	0.00
1000	1.50	NT	7.24	1.615	117.6	22.11	1.25	clr	0.00
1002	1.75	59.28	7.24	1.616	119.4	22.12	1.20	clr	NT
1004	2.0	59.30	7.24	1.618	120.4	22.12	1.15	clr	0.00
1006	2.25	NT	7.24	1.617	121.3	22.13	1.12	"	NT
1008	2.50	59.30	7.24	1.616	121.8	22.13	1.09	"	

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 sample w/ BlaineTech

Completed By (Print Name): Dave Lubben

Signature:

Reviewed By: DS

Date: 12/15/14

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: EXP-3

Well Diameter: 4"

Date: 10-28-14

85-115 SCR-INT

150.00 (TD) -- 57.70 (DTW) = 92.30 (Water Column)

Pump Intake Depth, Screened Above Water Table:

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

< OR >

Pump Intake Depth, Submerged Screen:

85.0 (Top of Screen Depth) +1/2(15.0 (Screen Length) 30) = 100.0 (Pump Intake Depth)

Date Purged: 10-28-14 **Start (24 Hour)** 905A **End (24 Hour)** 927A

Date Sampled: 10-28-14 **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)
907	.25	57.72	7.41	0.938	138.9	21.88	2.62	clear	0.01
909	.50	57.80	7.40	0.947	140.9	22.03	1.58	"	NT
911	.75	NT	7.39	0.950	142.0	22.17	1.20	"	0.04
913	1.0	NT	7.39	0.951	142.3	22.22	1.16	"	0.00
916	1.25	57.85	7.39	0.951	142.5	22.23	1.11	"	0.00
918	1.50	57.88	7.38	0.951	142.7	22.29	1.07	"	NT
920	1.75	57.90	7.38	0.952	142.7	22.32	1.04	"	NT
922	2.0	NT	7.38	0.952	142.6	22.30	0.97	"	0.01
925	2.25	57.90	7.38	0.953	142.5	22.31	0.95	"	NT
927	2.50	NT	7.37	0.953	142.5	22.32	0.92	"	0.00

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			(10)	Other : Dedicated Tubing		

Remarks: Obtain split samples for BLANTEC TECH, KM, CH2M Hill.

Completed By (Print Name): Dave Lubben

Signature: [signature]

Reviewed By: DS

Date: 12/15/14

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GMW-5

Well Diameter: 4"

Date: 10-27-14

50.00 (TD) -- 34.10 (DTW) = 15.90 (Water Column)

Pump Intake Depth, Screened Above Water Table:

34.10 (DTW) + 1/2(~~7.95~~ 7.90 (Water Column)) = 42.05 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

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

Date Purged: 10-27-14 **Start (24 Hour)** 8 ~~55~~ AM **End (24 Hour)** 9 13 A

Date Sampled: 10-27-14 **Start (24 Hour)** 9 15 Am **End (24 Hour)** —

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/°C)	D.O. (mg/L)	COLOR (visual)	TURBITY (visual or NTU)
8 ~~55~~	.25	34.13	7.22	0.778	261.3	22.97	3.10	clear	0.00
859	.50	34.17	7.30	0.767	254.4	22.89	2.36	"	NT
902	.75	NT	7.34	0.762	249.9	22.78	1.71	"	0.26
904	1.0	34.19	7.34	0.757	247.6	22.79	1.54	"	NT
906	1.25	34.20	7.34	0.~~786~~	246.2	22.81	1.27	"	"
908	1.50	NT	7.34	0.755	245.1	22.82	1.19	"	0.33
910	1.75	NT	7.34	0.754	244.5	22.84	1.17	"	NT
913	2.0	34.20	7.35	0.7	243.9	22.82	1.16	"	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: Vol. @ 2.0 GAL.

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

Reviewed By: DS Date: 12/15/14

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: 6mw-6

Well Diameter: 4"

Date: 10-27-14

50.00 (TD) -- 33.59 (DTW) = 16.41 (Water Column) SI=25-50

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

33.59 (DTW) + 1/2(8.21 (Water Column)) = 41.80 (Pump Intake Depth) @ 42'

Pump Intake Depth, Submerged Screen:

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

Date Purged: 10-27-14 **Start (24 Hour)** 935 AM **End (24 Hour)** 953

Date Sampled: 10-27-14 **Start (24 Hour)** 955 AM **End (24 Hour)** —

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/°C)	D.O. (mg/L)	COLOR (visual)	TURBITY (visual or NTU)
937	.25	33.64	7.40	0.630	219.0	22.55	4.89	clear	clear
939	.50	33.66	7.40	0.632	219.6	22.61	2.71	"	1.62
941	.75	33.67	7.37	0.629	218.9	22.77	1.96	"	1.39
944	1.0	NT	7.35	0.628	218.6	22.83	1.76	"	NT
946	1.25	33.69	7.33	0.628	217.9	22.86	1.36	"	NT
948	1.50	33.70	7.32	0.628	217.5	22.88	1.13	"	1.71
950	1.75	NT	7.31	0.627	217.2	22.90	1.10	"	NT
953	2.0	33.70	7.30	0.627	216.9	22.91	1.08	"	1.46 ✓

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: 12/15/14

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GMW-7

Well Diameter: 4"

Date: 10-28-14

50.00 (TD) -- _____ (DTW) = _____ (Water Column) 25-50 SCR-INT

Pump Intake Depth, Screened Above Water Table:

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

< OR >

Pump Intake Depth, Submerged Screen:

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

Date Purged: 10-28-14 **Start (24 Hour)** _____ **End (24 Hour)** _____

Date Sampled: 10-28-14 **Start (24 Hour)** _____ **End (24 Hour)** _____

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

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: _____

Reviewed By: DS Date: 12/15/14

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GMW-12

Well Diameter: 4"

Date: 10-29-14

25-50 SCR-INT

50.00 (TD) -- 31.39 (DTW) = 18.61 (Water Column)

Pump Intake Depth, Screened Above Water Table:

31.39 (DTW) + 1/2(9.31 (Water Column) 18.61) = 40.70 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

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

Date Purged: 10-29-14 **Start (24 Hour)** 1138 **End (24 Hour)** 1155

Date Sampled: 10-29-14 **Start (24 Hour)** 1155 **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)
1141	.25	31.45	7.02	1.321	-48.4	23.76	0.62	clear	1.04
1143	.50	31.50	7.01	1.313	-52.1	23.76	0.30	"	1.09
1145	.75	NT	7.00	1.302	-57.9	23.77	0.25	"	NT
1147	1.0	31.54	7.01	1.294	-58.9	23.80	0.21	"	NT
1149	1.25	31.57	7.00	1.288	-59.0	23.82	0.20	"	1.19
1151	1.50	31.59	7.01	1.286	-59.2	23.80	0.20	"	1.15
1153	1.75	NT	7.01	1.283	-59.7	-23.80	0.19	"	NT
1155	2.0	31.60	7.02	1.280	-60.1	23.81	0.19	"	0.97

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:

Reviewed By: DS

Date: 12/15/14

The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GMW-15

Well Diameter: 4"

Date: 10-30-14

25-50 SCR-INT

50.00 (TD) -- 32.58 (DTW) = 17.42 (Water Column)

Pump Intake Depth, Screened Above Water Table:

32.58 (DTW) + 1/2(8.71 (Water Column) 17.42) = 41.29 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

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

Date Purged: 10-30-14 **Start (24 Hour)** 950 AM **End (24 Hour)** 10"

Date Sampled: 10-30-14 **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)
953	.25	32.64	7.44	0.958	132.5	23.88	5.01	clear	0.00
955	.50	32.68	7.60	0.953	132.7	23.81	2.01	"	0.13
957	.75	NT	7.28	0.949	131.3	23.79	1.58	"	0.11
959	1.0	32.75	7.22	0.948	130.5	23.78	1.40	"	0.17
1001	1.25	32.77	7.18	0.947	130.1	23.77	1.21	"	0.39
1003	1.50	NT	7.14	0.944	130.0	23.76	1.04	"	0.21
1005	1.75	32.80	7.11	0.942	129.4	23.77	0.95	"	NT
1007	2.0	32.82	7.08	0.941	129.0	23.77	0.91	"	NT
1009	2.25	32.82	7.06	0.940	129.3	23.78	0.88	"	0.18
1011	2.50	NT	7.04	0.941	129.0	23.78	0.86	"	NT

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

Remarks:

Completed By (Print Name): Dave Lubben ✓

Signature:

Reviewed By: DS

Date: 12/15/14

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Well ID: GMW-16

Client/Station: Defense Fuel Support Point Norwalk

Well Diameter:

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Date: 10-27-14

50.00 (TD) -- 33.40 (DTW) = 16.60 (Water Column)

Pump Intake Depth, Screened Above Water Table:

~~50.00~~ 33.40 (DTW) + 1/2(8.30 (Water Column)) = 41.70 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

S.I. 25-50.0 (Top of Screen Depth) +1/2(____ (Screen Length)) = ____ (Pump Intake Depth)

Date Purged: 10-27-14 **Start (24 Hour)** 1008 **End (24 Hour)** 1025

Date Sampled: 10-27-14 **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)
1010	.25	33.44	7.26	1.184	5.9	22.88	1.84	clear	0.00
1012	.50	33.47	7.24	1.185	6.6	22.94	1.60	"	0.00
1014	.75	NT	7.23	1.185	6.5	22.95	1.46	"	NT
1016	1.0	33.50	7.24	1.187	4.4	22.95	1.27	"	0.00
1019	1.25	NT	7.23	1.188	1.1	22.89	1.14	"	NT
1021	1.50	33.51	7.23	1.189	1.3	22.87	1.04	"	NT
1023	1.75	NT	7.23	1.187	1.2	22.86	1.00	"	0.14
1025	2.0	33.50	7.23	1.188	1.1	22.85	0.98	"	0.00
	~~2.25~~								

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:

Reviewed By: DS

Date: 12/15/14

The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GMW-17

Well Diameter: 4"

Date: 10-31-14

25-50 SCR-INT

50.00 (TD) -- 31.03 (DTW) = 18.97 (Water Column)

Pump Intake Depth, Screened Above Water Table:

31.03 (DTW) + 1/2(9.49 (Water ~~37.0~~ 18.97 Column)) = 40.52 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

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

Date Purged: 10-31-14 **Start (24 Hour)** 1152 **End (24 Hour)** 1210

Date Sampled: 10-31-14 **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)
1154	.25	31.09	6.95	1.432	-145.5	23.25	0.79	clear	1.79
1156	.50	31.15	6.92	1.431	-148.9	23.25	0.72	"	1.84
1158	.75	31.20	6.89	1.430	-155.6	23.40	0.65	"	2.01
1200	1.0	31.28	6.88	1.430	-157.0	23.47	0.80	"	NT
1202	1.25	NT	6.86	1.431	-162.8	23.58	0.91	"	2.11
1204	1.50	31.31	6.85	1.431	-163.3	23.62	0.92	"	NT
1206	1.75	31.30	6.85	1.431	-164.0	23.63	0.90	"	NT
1208	2.0	NT	6.85	1.431	-164.5	23.65	0.88	"	1.93
1210	2.25	NT	6.85	1.430	-164.9	23.68	0.89	"	1.90

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

Remarks: DUPE-1 obtained here.

H2S ODOR

Completed By (Print Name): Dave Lubben

Signature:

Reviewed By: DS

Date: 12/15/14

The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GMW-18

Well Diameter: 4"

Date: 11-3-14

25.-50 SCR-INT

50.00 (TD) -- 31.13 (DTW) = 18.87 (Water Column)

Pump Intake Depth, Screened Above Water Table:

31.13 (DTW) + 1/2(9.44 (Water Column 18.87)) = 40.57 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

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

Date Purged: 11-3-14 **Start (24 Hour)** 1207 **End (24 Hour)** 1425

Date Sampled: 11-3-14 **Start (24 Hour)** 1425 **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)
1409	.25	31.19	6.60	1.263	-212.4	24.65	2.51	clear cloudy	341.0
1411	.50	31.25	6.69	1.271	-239.6	-24.64	1.24	clear	16.3
1413	.75	31.30	6.67	1.277	-242.4	24.60	1.01	"	9.41
1415	1.0	NT	6.60	1.273	-241.6	24.63	0.95	"	NT
1417	1.25	31.34	6.56	1.272	-240.3	24.64	0.91	"	9.13
1419	1.50	31.35	6.55	1.272	-239.6	24.66	0.89	"	NT
1421	1.75	NT	6.55	1.271	-239.8	24.67	0.91	"	8.63
1423	2.0	31.35	6.54	1.273	-240.1	24.69	0.92	"	NT
1425	2.25	NT	6.53	1.274	-240.4	24.70	0.94	"	8.71

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: Dupe 2 obtained here

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

Reviewed By: DS Date: 12/15/14

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GMW-~~33~~ 19

Well Diameter: 4"

Date: 10-28-14

25-50
~~26~~-50
SCR INT

50.00 (TD) -- 33.20 (DTW) = 16.80 (Water Column)

Pump Intake Depth, Screened Above Water Table:

33.20 (DTW) + 1/2(8.40 (Water Column)) = 41.60 (Pump Intake Depth) @ 42'

< OR >

Pump Intake Depth, Submerged Screen:

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

Date Purged: 10-28-14 **Start (24 Hour)** 1132 AM **End (24 Hour)** 1155 A

Date Sampled: 10-28-14 **Start (24 Hour)** 1155 A **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)
1134	.25	NT	7.21	0.785	4.2	24.90	4.71	clear	NT
1136	.50	33.30	7.17	0.786	-9.8	24.80	3.61	"	1.19
1138	.75	33.33	7.17	0.787	-22.3	24.73	3.06	"	0.89
1140	1.0	33.35	7.19	0.788	-27.9	24.70	2.84	"	NT
1142	1.25	NT	7.22	0.791	-35.5	24.64	2.61	"	0.73
1144	1.50	NT	7.25	0.793	-38.0	24.67	2.46	"	NT
1147	1.75	33.38	7.28	0.795	-40.3	24.65	2.23	"	0.79
1150	2.0	NT	7.27	0.796	-42.4	24.64	2.11	"	NT
1152	2.25	NT	7.27	0.796	-43.1	24.66	2.06	"	0.82
1155	2.50	33.40	7.26	0.795	-43.6	24.67	2.03	"	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:
DUPE-1 obtained w/ GMW-19.

Completed By (Print Name): Dave Lubben

Signature:

Reviewed By: DS

Date: 12/15/14

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GMW-21

Well Diameter: 4"

Date: 11-3-14

25-50 SCR-INT

50.00 (TD) -- 32.52 (DTW) = 17.48 (Water Column)

Pump Intake Depth, Screened Above Water Table:

32.52 (DTW) + 1/2(9.74 (Water Column)) = 41.26 (Pump Intake Depth)

17.48

< OR >

Pump Intake Depth, Submerged Screen:

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

Date Purged: 11-3-14 **Start (24 Hour)** 1236 P **End (24 Hour)** 1255 P

Date Sampled: 11-3-14 **Start (24 Hour)** 1255 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)
1238	.25	32.57	8.43	1.385	-154.0	23.96	7.16	clr	2.11
1240	.50	32.60	7.19	1.384	-150.7	23.88	3.83	"	2.17
1242	.75	32.64	7.06	1.384	-151.6	23.88	3.32	"	NT
1244	1.0	32.67	7.01	1.382	-152.8	23.89	2.98	"	2.42
1246	1.25	NT	6.98	1.381	-153.8	22.91	2.77	"	2.21
1248	1.50	NT	6.96	1.380	-154.6	23.93	2.60	"	NT
1251	1.75	32.73	6.95	1.379	-155.1	23.94	2.54	"	2.03
1253	2.0	32.74	6.93	1.379	-155.7	23.95	2.51	"	2.00
1255	2.25	NT	6.93	1.378	-156.2	23.97	2.49	"	NT
	~~2.50~~								

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			(1)	Other : Dedicated Tubing		

Remarks:

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

Reviewed By: DS Date: 12/15/14

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GMW-31

Well Diameter: 4"

Date: 10-29-14

25-65
SCR-ENT

65.00 (TD) -- 32.88 (DTW) = 32.12 (Water Column)

Pump Intake Depth, Screened Above Water Table:

32.88 (DTW) + 1/2(16.06 (Water Column)) = 48.94 (Pump Intake Depth) @ 49'

< OR >

Pump Intake Depth, Submerged Screen:

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

Date Purged: 10-29-14 **Start (24 Hour)** 821 **End (24 Hour)** 840 A

Date Sampled: 10-29-14 **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)
823	.25	32.94	7.17	1.135	21.9	22.58	1.86	clear	1.40
825	.50	32.98	7.15	1.135	19.6	22.61	1.76	"	1.49
827	.75	NT	7.14	1.136	16.5	22.63	1.60	"	NT
829	1.0	33.04	7.13	1.136	14.3	22.66	1.46	"	1.36
831	1.25	33.06	7.12	1.136	12.5	22.69	1.36	"	1.39
833	1.50	NT	7.12	1.137	11.8	22.70	1.31	"	NT
835	1.75	NT	7.12	1.137	11.7	22.72	1.32	"	1.43
837	2.0	33.07	7.11	1.138	11.9	22.73	1.29	"	1.19
840	2.25	33.07	7.11	1.138	12.0	22.75	1.27	"	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:

Reviewed By: DS

Date: 12/15/14

The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GMW-32

Well Diameter: 4"

Date: 10-30-14

20-50 SCRENT

50.00 (TD) -- 30.72 (DTW) = 19.28 (Water Column)

Pump Intake Depth, Screened Above Water Table:

30.72 (DTW) + 1/2(9.64 (Water Column 19.28)) = 40.36 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

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

Date Purged: 10-30-14 **Start (24 Hour)** 832 **End (24 Hour)** 850 AM

Date Sampled: 10-30-14 **Start (24 Hour)** 850 AM **End (24 Hour)** —

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/°C)	D.O. (mg/L)	COLOR (visual)	TURBITY (visual or NTU)
834	.25	30.76	6.88	1.350	85.9	22.66	3.41	clr	2.30
836	.50	30.82	6.83	1.352	87.1	22.60	2.30	clr	2.39
839	.75	NT	6.83	1.351	89.2	22.59	1.67	"	NT
841	1.0	30.88	6.83	1.351	89.1	22.59	1.45	"	NT
843	1.25	30.91	6.82	1.351	89.7	22.58	1.32	"	2.33
845	1.5	30.90	6.84	1.351	87.3	22.57	1.12	"	2.36
847	1.75	NT	6.83	1.351	86.7	22.55	1.06	"	NT
850	2.0	30.93	6.83	1.353	86.4	22.54	1.04	"	2.43

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:

QCEB-1 Before well.

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

Reviewed By: DS Date: 12/15/14

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GMW-40

Well Diameter: 4"

Date: 10-29-14

50.50 (TD) -- 30.03 (DTW) = 20.47 (Water Column)

Pump Intake Depth, Screened Above Water Table:

30.03 (DTW) + 1/2(10.24 (Water Column) 20.47) = 40.27 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

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

Date Purged: 10-29-14 **Start (24 Hour)** 8:54 **End (24 Hour)** 915

Date Sampled: 10-29-14 **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)
856	.25	30.10	7.19	1.000	38.3	21.77	0.90	DARKISH ~~CLEAR~~	NT
858	.50	30.14	7.16	0.998	7.3	21.85	0.69	semi clear	50.9
900	.75	30.19	7.15	0.998	-4.3	21.92	0.55	clear	48.8
902	1.0	NT	7.15	0.998	-8.7	21.96	0.47	clear	44.8
904	1.25	30.25	7.17	0.997	-15.3	22.02	0.42	"	39.7
906	1.5	30.24	7.20	0.997	-19.4	22.10	0.44	"	31.2
908	1.75	NT	7.21	0.997	-22.8	22.14	0.42	"	NT
910	2.0	30.25	7.20	0.997	-23.8	22.16	0.38	"	36.3
912	2.25	NT	7.20	0.997	-24.6	22.15	0.36	"	33.7
915	2.50	30.26	7.18	0.998	-24.9	22.16	0.34	"	29.4

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: (NTU's) DUPE-1 obtained here @ GMW-40

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

Reviewed By: DS Date: 12/15/14

GROUNDWATER SAMPLE FIELD DATA SHEET

GMW-41

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: ~~AMW-28~~ ~~TF-20~~

Well Diameter: 4"

Date: 10-28-14

25-60
SCR-INT.

50.50 (~~63.00~~) -- 30.78 (DTW) = 19.72 (Water Column)

Pump Intake Depth, Screened Above Water Table:

~~50.50~~ 30.78 (DTW) + 1/2(19.72 (Water Column) 9.86) = 40.64 (Pump Intake Depth) @41'

< OR >

Pump Intake Depth, Submerged Screen:

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

Date Purged: 10-28-14 **Start (24 Hour)** 1056 **End (24 Hour)** 1115

Date Sampled: 10-28-14 **Start (24 Hour)** 1115 A **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)
1058	.25	NT	7.09	1.276	289.4	24.05	6.40	clear	NT
1100	.50	30.84	7.00	1.267	262.4	23.94	4.10	"	0.17
1102	.75	30.88	6.89	1.265	138.6	23.71	3.50	"	0.28
1104	1.0	30.90	6.86	1.256	141.6	23.68	3.29	"	0.21
1106	1.25	NT	6.83	1.250	140.2	23.62	3.17	"	NT
1108	1.50	NT	6.81	1.245	141.5	23.60	3.10	"	NT
1110	1.75	30.95	6.82	1.244	142.4	23.54	2.89	"	0.31
1113	2.0	30.94	6.81	1.246	143.6	23.56	2.80	"	NT
1115	2.25	30.95	6.81	1.244	144.1	23.54	2.76	"	0.30

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: _____

Reviewed By: DS Date: 12/15/14

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GMW-~~28~~42

Well Diameter: 4"

Date: 10-27-14

50.~~60~~ (TD) -- 31.89 (DTW) = 18.61 (Water Column) S.I @ 25-50

Pump Intake Depth, Screened Above Water Table:

~~18.61~~ (DTW) + 1/2(9.31 (Water Column)) = 41.20 (Pump Intake Depth)

~~18.61~~ → 31.89

< OR >

Pump Intake Depth, Submerged Screen:

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

Date Purged: 10-27-14 **Start (24 Hour)** 1038 A **End (24 Hour)** 1055 A

Date Sampled: 10-27-14 **Start (24 Hour)** 1055 A **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)
1040	.25	31.93	6.90	1.269	-40.9	23.73	2.00	clear	1.24
1042	.50	31.96	6.90	1.266	-44.3	23.73	1.41	"	1.19
1044	.75	32.00	6.90	1.265	-46.7	23.74	1.11	"	NT
1046	1.0	NT	6.89	1.264	-48.1	23.78	0.92	"	1.36
1048	1.25	32.02	6.89	1.264	-49.5	23.79	0.80	"	1.31
1051	1.50	32.05	6.89	1.263	-50.2	23.80	0.70	"	NT
1053	1.75	NT	6.89	1.262	-50.6	23.80	0.66	"	NT
1055	2.0	NT	6.89	1.262	-50.8	23.81	0.64	"	1.25

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: 12/15/14

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: 6MW-43

Well Diameter: 4"

Date: 10-27-14

50.50 (TD) -- 31.18 (DTW) = 19.32 (Water Column) SCR INT @ 20-50

Pump Intake Depth, Screened Above Water Table:

31.18 (DTW) + 1/2(9.66 (Water Column)) = 40.84 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

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

Date Purged: 10-27-14 **Start (24 Hour)** 1108 **End (24 Hour)** 1128

Date Sampled: 10-27-14 **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)
1110	.25	NT	7.03	0.683	214.8	23.23	1.31	clear	0.00
1112	.50	31.25	7.00	0.682	217.0	23.23	1.13	"	0.00
1115	.75	31.28	7.00	0.682	217.3	23.22	1.05	"	NT
1117	1.0	31.30	7.00	0.682	217.5	23.21	0.94	"	NT
1119	1.25	31.30	7.00	0.682	217.6	23.21	0.91	"	0.00
1121	1.50	NT	6.99	0.683	217.6	23.22	0.90	"	NT
1124	1.75	NT	6.99	0.683	217.7	23.21	0.88	"	NT
1126	2.0	31.31	6.99	0.683	217.7	23.20	0.85	"	0.00
1128	2.25	NT	6.99	0.684	217.8	23.21	0.83	"	0.00

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: 12/15/14

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GMW-44

Well Diameter: 4"

Date: 10-27-14

50.50 (TD) -- 31.03 (DTW) = 19.47 (Water Column)

Pump Intake Depth, Screened Above Water Table:

31.03 (DTW) + 1/2(9.74 (Water Column)) = 40.77 (Pump Intake Depth)

< OR >

S.I 20-50'

Pump Intake Depth, Submerged Screen:

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

Date Purged: 10-27-14 **Start (24 Hour)** 1141 **End (24 Hour)** 1158

Date Sampled: 10-27-14 **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)
1143	.25	31.08	7.01	0.925	15.8	24.00	0.60	clear	0.00
1145	.50	31.11	6.93	0.925	16.7	23.76	0.58	"	0.00
1147	.75	NT	6.90	0.925	15.3	23.81	0.44	"	NT
1149	1.0	31.15	6.89	0.923	14.2	23.82	0.40	"	NT
1151	1.25	NT	6.89	0.924	13.5	23.80	0.38	"	0.00
1154	1.50	NT	6.89	0.923	12.9	23.78	0.36	"	NT
1156	1.75	31.16	6.89	0.923	12.5	23.81	0.35	"	NT
1158	2.0	NT	6.89	0.922	12.3	23.83	0.33	"	0.00
								"	

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: ES

Date: 12/15/14

The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard, Norwalk, California 90650

Well ID: GMW-45

Well Diameter: 4"

Date: 10-30-14

17.99 20-50 SCR-INT

50.50 (TD) -- 32.01 (DTW) = ~~23.49~~ (Water Column)

Pump Intake Depth, Screened Above Water Table:

32.01 (DTW) + 1/2(~~17.99~~ 9.00 (Water Column 17.99)) = 41.01 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

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

Date Purged: 10-30-14 **Start (24 Hour)** 1134 **End (24 Hour)** 1155

Date Sampled: 10-30-14 **Start (24 Hour)** 1155 **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)
1136	.25	32.00	7.51	1.531	-26.6	24.64	2.04	clear	11.38
1138	.50	32.16	7.50	1.530	-73.0	24.61	1.84	"	11.97
1140	.75	32.20	7.47	1.530	-89.6	24.65	1.60	"	10.87
1142	1.0	NT	7.45	1.530	-88.9	24.68	1.48	"	NT
1144	1.25	NT	7.44	1.529	-69.7	24.70	1.38	"	10.41
1146	1.50	32.26	7.39	1.526	-68.2	24.85	1.22	"	9.93
1149	1.75	32.28	7.38	1.524	-67.8	24.89	1.14	"	9.81
1152	2.0	32.30	7.37	1.525	-67.4	24.92	1.10	"	9.80
1155	2.25	NT	7.36	1.526	-67.2	24.95	1.08	"	9.69

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:

Reviewed By: DS Date: 12/15/14

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GMW-47

Well Diameter: 4"

Date: 10-29-14

20-50 SCR-INT

50.50 (TD) -- 32.11 (DTW) = 18.39 (Water Column)

Pump Intake Depth, Screened Above Water Table:

32.11 (DTW) + 1/2(9.20 (Water Column) 18.39) = 41.31 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

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

Date Purged: 10-29-14 **Start (24 Hour)** 1212 P **End (24 Hour)** 1231 P

Date Sampled: 10-29-14 **Start (24 Hour)** 1230 **End (24 Hour)** —

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/°C)	D.O. (mg/L)	COLOR (visual)	TURBITY (visual or NTU)
1214	.25	32.18	6.96	1.739	-150.9	24.80	0.93	clr	0.73
1216	.50	32.25	6.96	1.743	-154.4	24.75	0.88	"	0.77
1219	.75	32.30	6.96	1.742	-154.6	24.72	0.86	"	NT
1224	1.0	NT	6.96	1.743	-154.9	24.76	0.80	"	0.84
1243	1.25	NT	6.96	1.743	-155.6	24.79	0.77	"	NT
1225	1.50	32.35	6.96	1.743	-156.6	24.81	0.75	"	0.79
1222	1.75	32.37	6.96	1.745	-157.2	24.82	0.72	"	0.87
1229	2.0	32.36	6.96	1.746	-157.6	24.82	0.70	"	NT
1231	2.25	32.34	6.97	1.745	-157.8	24.81	0.68	"	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: 12/15/14

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GMW-48

Well Diameter: 4"

Date: 10-30-14

20-50 SCR. INT.

50.50 (TD) -- 30.17 (DTW) = 20.33 (Water Column)

Pump Intake Depth, Screened Above Water Table:

30.17 (DTW) + 1/2(10.17 (Water Column) 20.33) = 40.34 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

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

Date Purged: 10-30-14 **Start (24 Hour)** 1006 **End (24 Hour)** 1025

Date Sampled: 10-30-14 **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)
1008	.25	30.23	6.77	2,025	-160.2	23.09	3.57	clr	5,88
1010	.50	30.28	6.78	2,025	-163.8	23.08	2.19	"	5,94
1012	.75	30.33	6.78	2,025	-165.8	23.08	1.55	"	NT
1014	1.0	NT	6.78	2,024	-167.6	23.10	1.30	"	3.62
1016	1.25	30.38	6.78	2,023	-168.8	23.12	1.20	"	3.95
1018	1.50	30.40	6.78	2,023	-169.2	23.12	1.14	"	4.03
1020	1.75	30.41	6.78	2,023	-170.5	23.13	1.09	"	NT
1022	2.0	NT	6.78	2,022	-171.3	23.13	1.06	"	3.73
1025	2.25	30.42	6.78	2,021	-171.7	23.14	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:

Reviewed By: DS

Date: 12/15/14

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Well ID: CMW-56

Client/Station: Defense Fuel Support Point Norwalk

Well Diameter: 4"

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Date: 10-27-14

55.00 (TD) -- 32.71 (DTW) = 22.29 (Water Column) 20-55 SCR INT.

Pump Intake Depth, Screened Above Water Table: 32.71 (DTW) + 1/2(11.15 (Water Column)) = 43.86 (Pump Intake Depth)

< OR >

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

Date Purged: 10-27-14 **Start (24 Hour)** 12 20 pm **End (24 Hour)** 1240

Date Sampled: 10-27-14 **Start (24 Hour)** 1240 **End (24 Hour)** ____

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/°C)	D.O. (mg/L)	COLOR (visual)	TURBITY (visual or NTU)
1222	.25	NT	7.30 ~~7.926~~	0.926	0.0	23.33	0.67	lt tea brow	22.67
1224	.50	32.78	7.30	0.924	-1.7	23.35	0.62	clear	11.92
1226	.75	32.82	7.30	0.925	-4.9	23.43	0.58	clear	9.14
1229	1.0	NT	7.29	0.924	-12.6	23.40	0.50	"	NT
1232	1.25	32.85	7.29	0.923	-14.0	23.37	0.49	"	8.10
1234	1.50	NT	7.29	0.923	-18.2	23.36	0.45	"	NT
1236	1.75	32.88	7.29	0.923	-20.6	23.38	0.47	"	6.24
1238	2.0	32.90	7.28	0.922	-22.4	23.39	0.46	"	NT
1240	2.25	NT	7.28	0.923	-23.0	23.40	0.45	"	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: 12/15/14

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GMW-57

Well Diameter: 4"

Date: 10-29-14

19-54 SCR. INT

55.00 (TD) -- 32.69 (DTW) = 22.31 (Water Column)

Pump Intake Depth, Screened Above Water Table:

32.69 (DTW) + 1/2(11.16 (Water Column 22.31)) = 43.85 (Pump Intake Depth) @ 44'

< OR >

Pump Intake Depth, Submerged Screen:

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

Date Purged: 10-29-14 **Start (24 Hour)** 930 AM **End (24 Hour)** 950

Date Sampled: 10-29-14 **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	7.40	1.575	67.1	23.15	1.86	clear	NT
934	.50	32.76	7.32	1.575	61.1	23.23	1.19	"	1.65
936	.75	32.80	7.30	1.575	55.4	23.36	0.85	"	1.72
938	1.0	32.84	7.29	1.577	52.8	23.41	0.69	"	NT
940	1.25	32.86	7.28	1.577	50.1	23.48	0.52	"	1.93
942	1.50	NT	7.27	1.578	48.8	23.55	0.49	"	1.81
944	1.75	NT	7.27	1.577	48.9	23.59	0.47	"	1.72
946	2.0	32.88	7.26	1.577	47.8	23.63	0.44	"	NT
950	2.25	32.89	7.26	1.576	47.2	23.66	0.43	"	1.57

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:

Reviewed By: DS

Date: 12/15/14

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GMW-58

Well Diameter: 4"

Date: 10-29-14

20.85'

55.00 (TD) -- 30.69 (DTW) = 24.31 (Water Column) SCR-INT

Pump Intake Depth, Screened Above Water Table: 30.69 (DTW) + 1/2(12.16 (Water Column 24.31)) = 42.85 (Pump Intake Depth) ≈43.0

< OR >

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

Date Purged: 10-29-14 **Start (24 Hour)** 1239 **End (24 Hour)** 1300

Date Sampled: 10-29-14 **Start (24 Hour)** 1000 **End (24 Hour)** —

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/°C)	D.O. (mg/L)	COLOR (visual)	TURBITY (visual or NTU)
1242	.25	30.75	7.24	1.485	-179.2	25.45	0.43	clear	0.22
1244	.50	30.80	7.27	1.483	-181.1	25.13	0.50	"	0.29
1246	.75	NT	7.25	1.480	-181.2	25.17	0.44	"	0.31
1248	1.0	NT	7.25	1.481	-180.4	25.14	0.40	"	NT
1250	1.25	3.87	7.25	1.481	-179.2	25.17	0.37	"	NT
1252	1.5	3.90	7.25	1.482	-178.7	25.19	0.34	"	0.43
1254	1.75	3.92	7.25	1.480	-179.3	25.21	0.32	"	0.51
1256	2.0	3.91	7.25	1.479	-179.7	25.22	0.31	"	0.49
1258	2.25	3.90	7.25	1.480	-180.1	25.25	0.31	"	NT
1000	2.50	NT	7.25	1.481	-180.3	25.27	0.30	"	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: Dupe-2 obtained here at GMW-58

Completed By (Print Name): Dave Lubben

Signature: [signature]

Reviewed By: DS

Date: 12/15/14

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GMW-59

Well Diameter: 4"

Date: 11-3-14

20-55 SCR-INT

55.00 (TD) -- 29.92 (DTW) = 25.08 (Water Column)

Pump Intake Depth, Screened Above Water Table:

29.92 (DTW) + 1/2(12.54 (Water Column 25.08)) = 42.36 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

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

Date Purged: 11-3-14 **Start (24 Hour)** 924 **End (24 Hour)** 944

Date Sampled: 11-3-14 **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	30.00	7.02	1.300	-133.5	22.53	3.26	cl	9.44
929	.50	30.06	6.97	1.292	-140.6	22.76	2.80	"	9.13
931	.75	30.12	6.96	1.292	-141.1	22.89	2.75	"	NT
933	1.0	NT	6.95	1.297	-142.5	22.98	2.78	"	9.02
935	1.25	30.21	6.95	1.297	-144.0	23.03	2.80	"	8.79
937	1.50	30.24	6.95	1.297	-144.5	23.09	2.71	"	9.07
939	1.75	30.26	6.94	1.297	-144.8	23.17	2.65	"	8.89
941	2.0	NT	6.94	1.298	-144.9	23.21	2.61	"	NT
944	2.25	NT	6.93	1.298	-145.2	23.23	2.58	"	8.62

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: 12/15/14

The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GMW-60

Well Diameter: 4"

Date: 10-30-14

50.00 (TD) -- 32.15 (DTW) = 17.85 (Water Column)

Pump Intake Depth, Screened Above Water Table:

32.15 (DTW) + 1/2(8.93 (Water Column)) = 41.08 (Pump Intake Depth)

17.85

< OR >

Pump Intake Depth, Submerged Screen:

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

Date Purged: 10-30-14 **Start (24 Hour)** 1103 **End (24 Hour)** 1120

Date Sampled: 10-30-14 **Start (24 Hour)** 1120 **End (24 Hour)** —

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/°C)	D.O. (mg/L)	COLOR (visual)	TURBITY (visual or NTU)
1105	.25	NT	7.47	2.754	129.1	23.01	1.51	BLACKISH ~~Clear~~	~~NT~~ 1070 NT
1107	.50	32.22	7.44	2.559	126.0	23.07	1.22	BLACKISH	436.0
1109	1.75	32.26	7.35	2.534	122.2	23.25	0.99	Clear	14.7
1111	1.0	32.30	7.31	2.529	121.5	23.24	0.87	"	NT
1113	1.25	NT	7.27	2.529	121.1	23.20	0.85	"	11.1
1115	1.5	32.33	7.26	2.527	120.9	23.21	0.82	"	10.3
1117	1.75	32.35	7.25	2.522	120.6	23.22	0.80	"	9.82
1120	2.0	32.35	7.25	2.520	120.2	23.23	0.79	"	9.75

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

Remarks: DUPE-1 obtained at this well GMW-60

Completed By (Print Name): Dave Lubben

Signature:

Reviewed By: DS

Date: 12/15/14

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GMW-61

Well Diameter: 4"

Date: 10-29-14

30-40 SCR INT.

50.00 (TD) -- 31.39 (DTW) = 18.61 (Water Column)

Pump Intake Depth, Screened Above Water Table:

31.39 (DTW) + 1/2(9.31 (Water Column 18.61)) = 40.70 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

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

Date Purged: 10-29-14 **Start (24 Hour)** 1004 **End (24 Hour)** 1020

Date Sampled: 10-29-14 **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)
1006	.25	31.45	7.11	2.216	-55.2	21.92	0.59	Yellowish	10.98
1008	.50	31.50	7.12	2.214	-64.0	21.99	0.34	"	11.04
1010	.75	NT	7.26	2.207	-65.7	22.18	0.30	clear	NT
1012	1.0	31.58	7.23	2.205	-63.8	22.20	0.28	"	8.39
1014	1.25	31.60	7.17	2.204	-62.8	22.20	0.30	"	8.52
1016	1.50	31.64	7.15	2.202	-62.4	22.20	0.28	"	8.61
1018	1.75	31.65	7.15	2.199	-61.9	22.21	0.27	"	NT
1020	2.0	NT	7.14	2.197	-61.7	22.21	0.26	"	8.28

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

Remarks:

Completed By (Print Name): Dave Lubben ✓

Signature: [signature]

Reviewed By: DS

Date: 12/15/14

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 04-NDLA-XXX/Task X.X

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GTMW-63 Holyfield

Well Diameter: 4"

Date: 12-17-14

SCR.-INT. 20-40

41.00 (TD) -- 32.49 (DTW) = 8.51 (Water Column)

Pump Intake Depth, Screened Above Water Table:

32.49 (DTW) + 1/2(4.26 (Water Column)) = 36.75 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

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

Date Purged: 12-17-14 **Start (24 Hour)** 1015 **End (24 Hour)** 1035

Date Sampled: 12-17-14 **Start (24 Hour)** 1035 **End (24 Hour)** —

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/°C)	D.O. (mg/L)	COLOR (visual)	TURBITY (visual or NTU)
1017	.25	32.52	7.12	1.285	163.8	19.98	7.30	clr	4.20
1019	.50	32.55	7.14	1.283	154.0	20.02	5.57	"	4.02
1021	.75	NT	7.16	1.282	144.2	20.32	4.25	"	NT
1023	1.0	32.58	7.16	1.282	144.3	20.39	4.08	"	4.55
1025	1.25	32.60	7.16	1.282	144.5	20.42	3.98	"	4.67
1027	1.50	NT	7.16	1.281	144.6	20.46	3.90	"	NT
1029	1.75	NT	7.17	1.281	144.6	20.45	3.84	"	4.47
1031	2.0	32.61	7.17	1.281	144.7	20.48	3.79	"	4.41
1034	2.25	NT	7.17	1.282	144.5	20.51	3.75	"	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:

QCEB-1 obtained before purge

Completed By (Print Name): Dave Lubben ✓

Signature: [signature]

Reviewed By: _____

Date: _____

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 04-NDLA-XXX/Task X.X

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GMW-64 Holyfield PARK

Well Diameter: 4"

Date: 12-17-14

SCR-INT. 19.5-39.5

41.00 (TD) -- 30.82 (DTW) = 10.18 (Water Column)

Pump Intake Depth, Screened Above Water Table:

30.82 (DTW) + 1/2(5.09 (Water Column)) = (35.91) (Pump Intake Depth) @ 36

< OR >

Pump Intake Depth, Submerged Screen:

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

Date Purged: 12-17-14 **Start (24 Hour)** 1054 **End (24 Hour)** 1118

Date Sampled: 12-17-14 **Start (24 Hour)** 1115 **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)
1056	.25	30.85 ~~.25~~	7.30	1.535	155.1	20.30	2.67	clear	9.09
1058	.50	30.88 ~~.50~~	7.28	1.537	154.3	20.25	2.13	"	7.14
1100	.75	NT ~~.75~~	7.28	1.539	153.7	20.27	1.83	"	NT
1103	1.0	NT ~~1.0~~	7.28	1.535	152.2	20.51	1.49	"	6.71
1105	1.25	30.93 ~~1.25~~	7.27	1.536	151.1	20.47	1.25	"	6.24
1107	1.50	30.94 ✓	7.27	15.37	151.2	20.41	1.12	"	NT
1109	1.75	NT	7.27	1.538	150.7	20.39	1.05	"	6.13
1112	2.0	30.95	7.27	1.538	150.5	20.36	1.00	"	NT
1114	2.25	30.95	7.27	1.536	150.3	20.35	0.97	"	NT
1116	2.50	NT	7.27	1.535	150.1	20.33	0.95	"	6.05

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:

Reviewed By:

Date:

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # : 04-NDLA-XXX/Task X.X

Well ID: GMW-65

Client/Station: Defense Fuel Support Point Norwalk

Well Diameter: 4"

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Date: 12-17-14

~~41.50~~ SCR-INT, 21-41

41.50 (TD) -- 32.37 (DTW) = 9.13 (Water Column)

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

32.37 (DTW) + 1/2(4.57 (Water Column)) = 36.94 (Pump Intake Depth) @ 37.00

Pump Intake Depth, Submerged Screen:

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

Date Purged: 12-17-14 **Start (24 Hour)** 1126 **End (24 Hour)** 1147

Date Sampled: 12-17-14 **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)
1128	.25	32.40	7.14	2.222	160.2	20.79	3.60	NT	5.42
1130	.50	32.44	7.12	2.242	146.0	20.84	3.76	NT	5.19
1132	.75	32.47	7.12	2.247	141.3	20.83	3.07	NT	NT
1134	1.0	NT	7.12	2.250	135.3	20.84	2.59	NT	4.94
1136	1.25	NT	7.12	2.253	134.0	20.83	2.48	NT	5.03
1138	1.50	32.50	7.12	2.256	131.1	20.86	2.43	"	NT
1140	1.75	NT	7.11	2.259	128.2	20.88	2.29	"	5.14
1143	2.0	32.50	7.11	2.261	127.3	20.90	2.22	"	4.97
1145	2.25	NT	7.11	2.262	126.8	20.89	2.18	"	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:

GMW-62 37.65 DTW > skimmer in well. ~~QCEB-2 obtained AFTER~~ QCEB-2 obtained DECON of GMW-65

32.05 DTP

(5.60) PT

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

Reviewed By: Date:

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GMW-66

Well Diameter: 4"

Date: 10-28-14

20-40 SCRINT

40.50 (TD) -- 32.93 (DTW) = 7.57 (Water Column)

Pump Intake Depth, Screened Above Water Table:

32.93 (DTW) + 1/2(3.79 (Water Column)) = 36.72 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

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

Date Purged: 10-28-14 **Start (24 Hour)** 1225 **End (24 Hour)** 1244

Date Sampled: 10-28-14 **Start (24 Hour)** 1245 **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)
1227	.25	NT	7.24	2.053	96.7	23.74	1.41	clr	NT
1229	.50	32.98	7.21	2.058	95.1	23.61	1.11	clr	0.00
1231	.75	33.04	7.19	2.118	96.1	23.60	0.81	"	0.00
1233	1.0	33.08	7.18	2.135	96.8	23.60	0.69	"	NT
1235	1.25	NT	7.18	2.167	97.9	23.62	0.65	"	0.00
1237	1.50	33.10	7.17	2.188	98.8	23.63	0.61	"	0.06
1239	1.75	NT	7.17	2.195	98.4	23.64	0.59	"	NT
1242	2.0	NT	7.17	2.201	97.6	23.62	0.58	"	NT
1244	2.25	33.13	7.17	2.204	97.1	23.61	0.56	"	0.00

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:

Reviewed By: DS

Date: 12/15/14

The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: ~~SVE/MW~~ - GW-2

Well Diameter: 4"

Date: 11-3-14

25-60 SCR-INT

83.00 (TD) -- 32.16 (DTW) = 30.84 (Water Column)

Pump Intake Depth, Screened Above Water Table:

32.16 (DTW) + 1/2(15.42 (Water Column 30.84)) = 47.58 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

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

Date Purged: 11-3-14 **Start (24 Hour)** 1057 **End (24 Hour)** 1116

Date Sampled: 11-3-14 **Start (24 Hour)** 1115 **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)
1059	.25	32.20	7.32	2629	-170.8	23.33	4.61	clr	3.16
1100	.50	32.24	7.18	2,812	-174.6	23.13	3.62	"	3.19
1103	.75	32.30	7.14	2,881	-176.8	22.92	NT	"	NT
1106	1.0	32.28	7.11	2,894	-178.9	22.90	2.42	"	NT
1108	1.25	NT	7.06	2,914	-181.3	22.91	1.19	"	3.79
1110	1.50	32.30	7.04	2,934	-183.6	22.90	0.96	"	3.62
1112	1.75	NT	7.04	2,942	-185.1	22.90	0.92	"	3.58
1114	2.00	32.32	7.03	2,946	-185.8	22.91	0.91	"	NT
1116	2.25	NT	7.02	2,949	-186.5	22.92	0.88	"	3.26

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

Remarks:

Completed By (Print Name): Dave Lubben ✓

Signature:

Reviewed By: DS

Date: 12/15/14

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GW-3

Well Diameter: 4"

Date: 10-27-14

63.00 (TD) -- 32.28 (DTW) = 30.78 (Water Column) 25-60 SCR-INT

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

32.28 (DTW) + 1/2(15.39 (Water Column)) = 47.67 (Pump Intake Depth) @48'

Pump Intake Depth, Submerged Screen:

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

Date Purged: 10-27-14 **Start (24 Hour)** 1255 P **End (24 Hour)** 113 P

Date Sampled: 10-27-14 **Start (24 Hour)** 115 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)
1257	.25	32.32	7.21	3128	-27.7	24.42	2.51	clear	0.00
1259	.50	32.35	7.18	3132	-38.5	24.20	1.12	"	0.00
101	.75	32.38	7.18	3134	-37.7	24.16	1.10	"	NT
103	1.0	NT	7.18	3135	-36.9	24.15	1.07	"	0.00
105	1.25	32.42	7.18	3135	-35.9	24.14	1.04	"	NT
108	1.50	NT	7.18	3135	-35.1	24.14	1.03	"	NT
110	1.75	32.43	7.18	3133	-34.8	24.12	1.00	"	0.00
113	2.0	NT	7.18	3132	-34.6	24.13	0.98	"	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: 12/15/14

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GW-6

Well Diameter: 4"

Date: 10-27-14

63.00 (TD) -- 33.02 (DTW) = 29.98 (Water Column)

25-60 Scr. INT

Pump Intake Depth, Screened Above Water Table:

~~63.00~~ 33.02 (DTW) + 1/2(14.99 (Water Column)) = 48.01 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

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

Date Purged: 10-27-14 **Start (24 Hour)** 124 pm **End (24 Hour)** 148p

Date Sampled: 10-27-14 **Start (24 Hour)** 140 pm **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)
126	.25	33.08	7.45	0.633	3.3	22.88	0.98	clr	36.40
128	.50	33.13	7.41	0.636	-17.5	22.90	0.90	"	NT
130	.75	33.15	7.38	0.638	-22.1	22.87	0.92	"	NT
132	1.0	NT	7.35	0.640	-24.8	22.87	0.84	"	19.24
134	1.25	NT	7.34	0.642	-26.8	22.89	0.72	"	16.41
137	1.50	33.18	7.33	0.645	-26.9	22.90	0.65	"	NT
139	1.75	33.20	7.32	0.647	-26.7	22.89	0.62	"	13.32
142	2.0	33.20	7.33	0.648	-27.0	22.90	0.59	"	13.04

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: 12/15/14

The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GW-8

Well Diameter: 4"

Date: 10-28-14

63.00 (TD) -- 32.62 (DTW) = 30.38 (Water Column) 24-59 SCR.-INT

Pump Intake Depth, Screened Above Water Table:

32.62 (DTW) + 1/2(15.19 (Water Column 30.38)) = 47.81 (Pump Intake Depth) @ 48'

< OR >

Pump Intake Depth, Submerged Screen:

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

Date Purged: 10-28-14 **Start (24 Hour)** 1136 pm **End (24 Hour)** 1156

Date Sampled: 10-28-14 **Start (24 Hour)** 1155 **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)
1138	.25	32.66	7.39	1.091	38.1	23.73	2.35	clear	0.73
1140	.50	32.71	7.35	1.088	20.2	23.21	1.78	"	0.77
1142	.75	32.85	7.34	1.085	18.5	23.13	1.53	"	NT
1144	1.0	NT	7.34	1.084	17.8	23.16	1.48	"	0.83
1146	1.25	NT	7.33	1.083	16.2	23.19	1.44	"	NT
1148	1.50	32.82	7.34	1.083	15.3	23.20	1.41	"	0.71
1150	1.75	32.83	7.34	1.082	14.5	23.19	1.38	"	0.68
1152	2.0	NT	7.34	1.083	14.7	23.21	1.36	"	NT
1154	2.25	32.86	7.34	1.083	15.0	23.22	1.33	"	NT
1156	2.50	32.85	7.34	1.082	15.3	23.21	1.32	"	0.79

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: 12/15/14

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GW-13

Well Diameter:

Date: 11-3-14

25-65 SCR-INT

67.00 (TD) -- 33.35 (DTW) = 33.65 (Water Column)

Pump Intake Depth, Screened Above Water Table:

33.35 (DTW) + 1/2(16.83 (Water Column 33.65)) = 50.18 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

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

Date Purged: 11-3-14 **Start (24 Hour)** 1128 **End (24 Hour)** 1150p

Date Sampled: 11-3-14 **Start (24 Hour)** 1150p **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)
1130	.25	NT	7.74	3.549	-177.0	23.48	1.83	clr	NT
1132	.50	33.42	7.75	3.594	-180.1	23.96	1.11	"	6.79
1134	.75	33.45	7.71	3.601	-181.8	22.80	0.89	"	6.94
1136	1.0	33.49	7.67	3.605	-183.5	22.79	0.69	"	6.99
1138	1.25	33.51	7.62	3.607	-184.9	22.72	0.58	"	7.11
1140	1.50	NT	7.56	3.609	-186.3	22.70	0.49	"	7.01
1142	1.75	NT	7.51	3.608	-188.3	22.70	0.41	"	NT
1144	2.0	NT	7.48	3.607	-189.7	22.70	0.35	"	NT
1147	2.25	33.55	7.48	3.610	-190.4	22.71	0.34	"	6.61
1150	2.50	33.55	7.46	3.611	-191.8	22.71	0.32	"	6.65

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

Remarks:

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

Reviewed By: DS Date: 12/15/14

The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GW-14

Well Diameter: 4"

Date: 10-31-14

25-65 SCRINT

67.00 (TD) -- 32.87 (DTW) = 35.13 (Water Column)

Pump Intake Depth, Screened Above Water Table:

32.87 (DTW) + 1/2(17.57 (Water Column 35.13)) = 50.44 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

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

Date Purged: 10-31-14 **Start (24 Hour)** 1223 **End (24 Hour)** 1245

Date Sampled: 10-31-14 **Start (24 Hour)** 1241 **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)
1225	.25	32.94	6.82	1.510	-143.5	23.91	0.70	clear	3.73
1227	.50	33.00	6.76	1.513	-141.8	23.99	0.57	"	3.87
1229	.75	33.05	6.75	1.514	-141.6	24.02	0.67	"	NT
1231	1.0	NT	6.75	1.515	-141.6	24.08	0.71	"	NT
1233	1.25	33.11	6.74	1.515	-142.4	24.13	0.74	"	3.62
1235	1.50	33.13	6.74	1.515	-143.0	24.17	0.76	"	3.51
1237	1.75	33.15	6.74	1.515	-143.1	24.19	0.75	"	3.57
1239	2.0	NT	6.74	1.515	-142.8	24.21	0.72	"	NT
1242	2.25	NT	6.74	1.515	-143.0	24.22	0.70	"	3.53
1245	2.25	33.17	6.74	1.516	-143.2	24.23	0.69	"	NM

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: 12/15/14

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Well ID: GW ~~GMW~~ - 15

Client/Station: Defense Fuel Support Point Norwalk

Well Diameter: 6"

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Date: 11-3-14

25-50 SCR-INT

50.00 (TD) -- 32.58 (DTW) = 17.42 (Water Column)

Pump Intake Depth, Screened Above Water Table:

32.58 (DTW) + 1/2(5.71 (Water Column)) = 41.29 (Pump Intake Depth)

17.42

< OR >

Pump Intake Depth, Submerged Screen:

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

Date Purged: 11-3-14 **Start (24 Hour)** 956 **End (24 Hour)** 1015

Date Sampled: 11-3-14 **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)
958	.25	32.65	6.80	1.388	-243.3	22.95	0.72	clear	2.93
1000	.50	32.68	6.95	1.414	-264.1	22.99	0.55	clear	2.84
1002	.75	32.70	6.94	1.414	-270.9	23.06	0.42	"	2.91
1004	1.0	32.71	6.93	1.418	-268.4	23.18	0.41	"	NT
1006	1.25	32.71	6.93	1.422	-267.3	23.26	0.41	"	
1008	1.50	32.72	6.93	1.419	-266.5	23.33	0.40	"	
1010	1.75	NT	6.92	1.417	-266.1	23.36	0.40	"	
1013	2.0	NT	6.91	1.418	-265.8	23.37	0.38	"	
1015	2.25	32.75	6.91	1.420	-265.5	23.38	0.37	"	

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: pull pump from well w/ GLEN A.M.

Completed By (Print Name): Dave Lubben

Signature:

Reviewed By: DS

Date: 12/15/14

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: GW ~~[illegible]~~-16

Well Diameter: 8"

Date: 11-3-14

SCR INT 25-50

50.00 (TD) -- 33.43 (DTW) = 16.57 (Water Column)

Pump Intake Depth, Screened Above Water Table:

33.43 (DTW) + 1/2(8.29 (Water Column)) = 41.62 (Pump Intake Depth)

16.57

< OR >

Pump Intake Depth, Submerged Screen:

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

Date Purged: 11-3-14 **Start (24 Hour)** 1026 **End (24 Hour)** 1045

Date Sampled: 11-3-14 **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)
1028	.25	33.47	7.53	2.223	-200.8	22.30	3.66	clear	8.72
1030	.50	33.50	7.94	2.225	-202.5	22.43	1.89	"	NT
1032	.75	33.52	7.05	2.231	-205.1	22.47	1.17	"	8.41
1034	1.0	NT	7.01	2.233	-208.7	22.51	0.80	"	8.13
1036	1.25	NT	7.03	2.232	-213.2	22.56	0.72	"	7.92
1038	1.50	33.55	7.05	2.231	-214.6	22.58	0.75	"	NT
1040	1.75	33.55	7.07	2.231	-215.7	22.59	0.80	"	NT
1042	2.0	NT	7.09	2.230	-216.4	22.60	0.83	"	8.04
1045	2.25	33.57	7.10	2.230	-217.1	22.59	0.85	"	"

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: DUPE-1 collected here

Completed By (Print Name): Dave Lubben

Signature: [signature]

Reviewed By: DS

Date: 12/15/14

The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: MW-13

Well Diameter: 4"

Date: 10-28-14

18-48 SCR. INT.

50.00 (TD) -- 34.39 (DTW) = 15.61 (Water Column)

Pump Intake Depth, Screened Above Water Table:

34.39 (DTW) + 1/2(7.81 (Water Column)) = 42.20 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

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

Date Purged: 10-28-14 **Start (24 Hour)** 1104 **End (24 Hour)** 1123 pm

Date Sampled: 10-28-14 **Start (24 Hour)** 1120 **End (24 Hour)** —

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/°C)	D.O. (mg/L)	COLOR (visual)	TURBITY (visual or NTU)
1106	.25	34.46	7.30	1.639	194.3	23.63	1.24	clear	1.62
1108	.50	34.50	7.26	1.646	181.7	23.71	NT	"	1.94
1110	.75	NT	7.28	1.646	176.1	23.75	0.99	"	NT
1112	1.0	34.54	7.25	1.649	165.6	23.74	0.96	"	2.11
1114	1.25	NT	7.25	1.650	161.7	23.73	0.89	"	NT
1116	1.50	34.55	7.24	1.651	158.1	23.71	0.86	"	NT
1118	1.75	NT	7.24	1.652	156.3	23.70	0.83	"	1.54
1121	2.0	34.55	7.24	1.654	155.4	23.68	0.80	"	NT
1123	2.25	NT	7.24	1.657	154.9	23.69	0.78	"	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: 12/15/14

The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: MW-16

Well Diameter: 4"

Date: 10-27-14

50.00 (TD) -- 32.81 (DTW) = 17.19 (Water Column) 18'-48' SCR. INT.

Pump Intake Depth, Screened Above Water Table:

32.81 (DTW) + 1/2(8.60 (Water Column)) = 41.41 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

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

Date Purged: 10-27-14 **Start (24 Hour)** 215 **End (24 Hour)** 232

Date Sampled: 10-27-14 **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)
218	.25	NT	7.01	1,058	96.7	25.10	5.03	clr	1.19
220	.50	32.87	6.95	1,054	53.1	24.95	1.49	"	1.36
222	.75	32.90	6.94	1.054	40.0	24.98	1.16	"	NT
224	1.0	NT	6.93	1.054	32.1	25.01	0.99	"	NT
226	1.25	32.95	6.93	1,052	24.1	25.08	0.89	"	1.63
228	1.50	32.97	6.92	1.050	18.1	25.11	0.85	"	1.54
230	1.75	NT	6.92	1.049	16.9	25.14	0.83	"	NT
232	2.0	33.00	6.91	1.047	15.8	25.15	0.81	"	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: 12/15/14

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: MW-17

Well Diameter: 4"

Date: 10-27-14

50.00 (TD) -- 33.67 (DTW) = 16.33 (Water Column) 18-48 SCR. INT

Pump Intake Depth, Screened Above Water Table:

33.67 (DTW) + 1/2(8.17 (Water Column)) = 41.94 (Pump Intake Depth) @ 42'

< OR >

Pump Intake Depth, Submerged Screen:

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

Date Purged: 10-27-14 **Start (24 Hour)** 2~~52~~51 **End (24 Hour)** 308

Date Sampled: 10-27-14 **Start (24 Hour)** 310 **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)
~~2~~253	.25	33.73	7.39	1.777	219.9	23.46	1.69	clear	2.67
~~2~~255	.50	33.76	7.39	1.781	217.4	23.37	1.44	"	2.94
~~2~~257	.75	3380	7.39	1.782	215.6	23.25	1.27	"	NT
~~2~~259	1.0	NT	7.38	1.784	213.7	23.21	1.20	"	3.16
301	1.25	NT	7.38	1.786	211.9	23.16	1.13	"	3.71
303	1.50	33.84	7.38	1.789	209.2	28.17	1.09	"	~~NT~~
305	1.75	33.84	7.38	1.790	208.1	23.16	1.07	"	NT
308	2.0	33.85	7.38	1.791	207.3	23.15	1.06	"	2.89

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:

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

Reviewed By: DS Date: 12/15/14

The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: MW-22 MID

Well Diameter:

Date: 10-28-14

42-52 SCR-INT

57.90 (TD) -- 37.57 (DTW) = 30.23 (Water Column)

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

37.57 (DTW) + 1/2(10.07 (Water Column) 20.23) = 47.64 (Pump Intake Depth) @ 47-48

Pump Intake Depth, Submerged Screen:

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

Date Purged: 10-28-14 **Start (24 Hour)** 2 06 **End (24 Hour)** 2 25

Date Sampled: 10-28-14 **Start (24 Hour)** 2 25 **End (24 Hour)** —

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/°C)	D.O. (mg/L)	COLOR (visual)	TURBITY (visual or NTU)
2 08 08	.25	NT	7.28	2.071	-36.7	23.49	0.39	clear	1.12
2 10 P	.50	37.65	7.28	2.069	-43.4	-23.54	0.38	"	1.21
2 12	.75	37.69	7.28	2.067	-48.0	-23.68	0.36	"	NT
2 14	1.0	37.72	7.28	2.065	-51.2	-23.79	0.40	"	1.36
2 16	1.25	NT	7.27	2.066	-54.3	-23.87	0.39	"	1.31
2 18	1.50	37.75	7.27	2.066	-56.2	-23.91	0.38	"	NT
2 20	1.75	NT	7.27	2.066	-57.2	-23.91	0.37	"	1.24
2 23	2.0	37.76	7.26	2.067	-57.9	-23.90	0.35	"	1.21
2 25	2.25	NT	7.27	2.067	-58.3	-23.89	0.34	"	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:

Reviewed By: DS

Date: 12/15/14

The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: MW-24

Well Diameter: 4"

Date: 10-28-14

14-44 SCR INT

47.00 (TD) -- 34.96 (DTW) = 13.04 (Water Column)

Pump Intake Depth, Screened Above Water Table:

34.96 (DTW) + 1/2(6.52 (Water Column 13.04)) = 41.48 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

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

Date Purged: 10-28-14 **Start (24 Hour)** 2 38 **End (24 Hour)** 259p

Date Sampled: 10-28-14 **Start (24 Hour)** 300p **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)
240	.25	35.02	7.38	1.277	94.9	24.26	0.73	clear	NT
242	.50	35.05	7.40	1.277	94.5	24.28	0.41	"	1.30
245	.75	35.10	7.40	1.277	94.4	24.31	0.40	"	1.39
247	1.0	35.13	7.40	1.278	94.3	24.30	0.38	"	NT
249	1.25	NT	7.40	1.279	94.2	24.30	0.37	"	1.24
251	1.50	35.15	7.40	1.279	94.0	24.30	0.35	"	NT
253	1.75	35.15	7.40	1.280	93.5	24.29	0.34	"	1.34
255	2.0	NT	7.40	1.280	93.3	24.28	0.33	"	1.39
257	2.25	NT	7.40	1.281	93.0	24.29	0.33	"	NT
259	2.50	35.12	7.41	1.281	92.8	24.31	0.31	"	1.24

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-2 obtained w/ this well MW-24

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

Reviewed By: DS Date: 12/15/14

The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: MW-26

Well Diameter: 4"

Date: 10-30-14

14-44 SCR INT.

47.00 (TD) -- 33.81 (DTW) = 13.19 (Water Column)

Pump Intake Depth, Screened Above Water Table:

33.81 (DTW) + 1/2(6660 (Water Column 13.19)) = 40.41 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

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

Date Purged: 10-30-14 **Start (24 Hour)** 917A **End (24 Hour)** 935

Date Sampled: 10-30-14 **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)
919	.25	33.88	7.19	1,733	85.1	22.87	1.23	clear	2.17
921	.50	33.94	7.16	1,741	92.7	22.89	1.04	"	2.22
923	.75	33.97	7.12	1,744	95.9	22.86	0.95	"	NT
925	1.0	NT	7.09	1,745	98.8	22.79	0.91	"	2.26
927	1.25	34 ~~33~~.02	7.06	1,746	99.9	22.77	0.85	"	2.36
929	1.5	34.05	7.04	1,747	100.2	22.76	0.79	"	NT
931	1.75	NT	7.03	1,748	99.3	22.74	0.75	"	NT
933	2.0	34.06	7.03	1,750	98.9	22.75	0.73	"	2.11
935	2.25	34.06	7.04	1,751	98.7	22.74	0.70	"	2.28

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:

Reviewed By: DS

Date: 12/15/14

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: ~~D~~ MW-27

Well Diameter: 4"

Date: 10-29-14

18 to 48 SCR. INT

52.30 (TD) -- 34.63 (DTW) = 17.67 (Water Column)

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

34.63 (DTW) + 1/2(8.84 (Water Column)) = 43.47 (Pump Intake Depth) @ 43-44 — (Top of Screen Depth) +1/2(— (Screen Length)) = — (Pump Intake Depth)

17.67

Date Purged: 10-29-14 **Start (24 Hour)** 7 45 AM **End (24 Hour)** 805

Date Sampled: 10-29-14 **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)
748	.25	34.70	6.85	1.907	5.7	21.03	2.00	Clear	0.22
750	.50	34.73	6.85	1.907	2.7	21.58	1.68	"	0.31
752	.75	34.78	6.86	1.906	-13.5	21.72	1.16	"	NT
754	1.0	NT	6.87	1.903	18.7	21.93	0.98	"	0.57
756	1.25	34.83	6.87	1.904	16.9	22.05	0.85	"	0.72
758	1.50	34.85	6.87	1.903	15.9	22.21	0.80	"	0.77
800	1.75	NT	6.87	1.902	16.6	22.26	0.78	"	NT
802	2.00	34.86	6.88	1.903	17.1	22.29	0.78	"	NT
805	2.25	34.86	6.88	1.903	17.3	22.31	0.79	"	0.51

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:

Reviewed By: DS

Date: 12/15/14

The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: MW-29

Well Diameter: 4

Date: 10-31-14

17.5-47.5 SCR. INT

52.40 (TD) -- 35.26 (DTW) = 17.14 (Water Column)

Pump Intake Depth, Screened Above Water Table:

~~34.79~~ 35.26 (DTW) + 1/2(8.57 (Water Column 17.14)) = 43.83 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

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

Date Purged: 10-31-14 **Start (24 Hour)** 1040 AM **End (24 Hour)** 1055 AM

Date Sampled: 10-31-14 **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)
1042	.25	35.34	7.67	1,500	-153.9	24.14	2.47	clr	NT
1044	.50	35.38	6.95	1.511	-158.0	23.85	1.33	"	4.73
1046	.75	35.42	6.91	1.503	-163.5	23.97	1.01	"	3.69
1048	1.0	35.45	6.89	1.497	-164.3	24.03	1.13	"	3.81
1050	1.25	NT	6.88	1.493	-166.5	24.08	1.11	"	NT
1052	1.50	NT	6.87	1.490	-166.2	24.13	1.09	"	3.94
1054	1.75	35.48	6.87	1.488	-166.0	24.15	1.06	"	NT
1056	2.0	35.48	6.86	1,486	-166.3	24.16	1.04	"	3.81

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

Remarks:

Completed By (Print Name): Dave Lubben ✓

Signature:

Reviewed By: DS

Date: 12/15/14

The Source Group, Inc.

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

25-65'

Well ID: PZ-3

Well Diameter: 2"

Date: 11-3-14

65.00 (TD) -- 32.41 (DTW) = 32.59 (Water Column)

Pump Intake Depth, Screened Above Water Table:

32.41 (DTW) + 1/2(~~32.59~~ 16.30 (Water Column)) = 48.71 @ 49.0' (Pump Intake Depth)

32.59

< OR >

Pump Intake Depth, Submerged Screen:

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

Date Purged: 11-3-14 **Start (24 Hour)** 850 **End (24 Hour)** 910

Date Sampled: 11-3-14 **Start (24 Hour)** 910 + **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)
852	.25	32.49	6.96	1.465	-164.8	23.38	2.94	lt to blackish	645.0
854	.50	32.56	6.88	1.463	-160.4	23.65	3.46	clear	NT
856	.75	32.60	6.85	1.466	-161.8	23.75	3.45	"	NT
858	1.0	NT	6.84	1.468	-161.2	23.80	3.33	"	29.6
900	1.25	NT	6.83	1.470	-160.3	23.85	2.77	"	20.9
902	1.50	32.67	6.82	1.470	-159.1	23.90	2.53	"	13.4
905	1.75	32.69	6.82	1.469	-158.8	23.92	2.43	"	12.3
908	2.0	NT	6.82	1.469	-159.2	23.94	2.37	"	10.9
910	2.25	32.70	6.81	1.469	-159.5	23.95	2.35	"	9.8

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:

Reviewed By: DS

Date: 12/15/14

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: TF-8

Well Diameter: 4"

Date: 10-29-14

25-60 SCR-INT

63.00 (TD) -- 31.22 (DTW) = 31.78 (Water Column)

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

31.22 (DTW) + 1/2(15.89 (Water Column 31.78)) = 47.11 (Pump Intake Depth) @47'

Pump Intake Depth, Submerged Screen:

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

Date Purged: 10-29-14 **Start (24 Hour)** 1036 **End (24 Hour)** 1055

Date Sampled: 10-29-14 **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)
1038	.25	15.95	7.13	1.499	-6.1	23.74	2.80	clr	3.62
1040	.50	16.02	7.01	1.498	-6.5	23.85	0.85	"	3.19
1042	.75	16.06	6.98	1.498	-5.2	23.87	0.76	"	3.11
1044	1.0	NT	6.96	1.498	-4.8	23.90	0.65	"	NT
1046	1.25	16.09	6.95	1.497	-4.3	23.93	0.59	"	NT
1048	1.50	16.10	6.96	1.498	-4.0	23.94	0.52	"	3.31
1051	1.75	NT	6.97	1.497	-3.9	23.96	0.48	"	3.39
1053	2.0	16.10	6.97	1.497	-4.1	23.99	0.49	"	NT
1055	2.25	16.08	6.96	1.496	-4.2	24.01	0.47	"	3.44

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: 12/15/14

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: TF-9

Well Diameter: 4"

Date: 10-31-14

25-60 SCR-INT.

63.00 (TD) -- 30.67 (DTW) = 32.33 (Water Column)

Pump Intake Depth, Screened Above Water Table:

30.67 (DTW) + 1/2(16.17 (Water Column 32.33)) = 46.84 (Pump Intake Depth)

< OR >

Pump Intake Depth, Submerged Screen:

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

Date Purged: 10-31-14 **Start (24 Hour)** 1116 **End (24 Hour)** 1135

Date Sampled: 10-31-14 **Start (24 Hour)** 1135 **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)
1118	.25	30.73	7.02	1.557	-144.2	22.91	1.58	clear	11.33
1120	.50	30.78	6.96	1.557	-145.0	22.94	1.38	"	11.31
1122	.75	30.85	6.95	1.558	-145.4	22.92	1.44	"	10.79
1124	1.0	NT	6.94	1.558	-148.8	22.90	1.32	"	NT
1126	1.25	30.90	6.93	1.557	-149.6	22.91	1.26	"	NT
1128	1.50	30.93	6.92	1.557	-150.0	22.92	1.22	"	9.17
1130	1.75	30.95	6.92	1.557	-149.9	22.92	1.18	"	9.22
1133	2.0	30.95	6.91	1.557	-149.7	22.92	1.15	"	9.14
1135	2.25	NT	6.91	1.556	-149.8	22.93	1.13	"	9.10

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: 12/15/14

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

25-60 SCR-INT

Well ID: TF-17

Well Diameter: 4"

Date: 11-3-14

63.00 (TD) -- 31.16 (DTW) = 31.84 (Water Column)

Pump Intake Depth, Screened Above Water Table:
31.16 (DTW) + 1/2(_____ (Water Column)) = _____ (Pump Intake Depth)

< OR >

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

Date Purged: 11-3-14 **Start (24 Hour)** 1204 **End (24 Hour)** 1225

Date Sampled: 11-3-14 **Start (24 Hour)** 1225 **End (24 Hour)** ____

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/°C)	D.O. (mg/L)	COLOR (visual)	TURBITY (visual or NTU)
1206	.25	31.22	6.92	1.259	-175.4	24.87	0.79	clear	0.73
1208	.50	31.25	6.85	1.254	-177.5	24.95	0.50	"	0.94
1210	.75	31.30	6.85	1.248	-178.9	24.98	0.55	"	1.06
1212	1.0	31.34	6.84	1.247	-175.4	24.99	0.59	"	NT
1214	1.25	31.37	6.84	1.246	-177.2	25.00	0.57	"	NT
1216	1.50	NT	6.83	1.245	-179.1	25.03	0.66	"	0.97
1218	1.75	NT	6.82	1.244	-180.7	25.04	0.70	"	1.06
1220	2.0	31.40	6.82	1.244	-180.1	25.06	0.73	"	1.13
1222	2.25	31.42	6.81	1.245	-180.6	25.09	0.75	"	1.17
1225	2.50	31.40	6.81	1.245	-181.0	25.08	0.76	"	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: 12/15/14

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: TF-21

Well Diameter: 4"

Date: 10-30-14

25-60 SCREEN

63.00 (TD) -- 30.92 (DTW) = 32.08 (Water Column)

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

30.92 (DTW) + 1/2(16.04 (Water Column 32.08)) = 46.96 (Pump Intake Depth) @47

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

Date Purged: 10-30-14 **Start (24 Hour)** 1024 **End (24 Hour)** 1045

Date Sampled: 10-30-14 **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)
1026	0.25	30.98	7.06	1.720	142.2	24.44	0.62	clear	0.79
1028	0.50	31.05	7.07	1.716	133.6	24.27	0.45	"	0.84
1030	0.75	31.09	7.06	1.712	129.7	24.25	0.40	"	NT
1032	1.0	NT	7.05	1.711	127.0	24.23	0.33	"	0.94
1034	1.25	31.14	7.05	1.709	125.4	24.22	0.29	"	0.91
1036	1.50	31.16	7.05	1.708	124.0	24.25	0.27	"	NT
1038	1.75	31.15	7.05	1.707	122.9	24.25	0.25	"	NT
1040	2.0	31.17	7.05	1.707	122.1	24.24	0.23	"	0.83
1042	2.25	31.19	7.06	1.707	121.8	24.25	0.24	"	0.88
1045	2.5	NT	7.06	1.707	121.5	24.25	0.25	"	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:

Reviewed By: DS Date: 12/15/14

GROUNDWATER SAMPLE FIELD DATA SHEET

Project # :

Client/Station: Defense Fuel Support Point Norwalk

Address : 15306 Norwalk Boulevard
Norwalk, California 90650

Well ID: TF-24

Well Diameter: 4"

Date: 10-29-14

25-60 SCR.-INT

63.00 (TD) -- 32.90 (DTW) = 30.10 (Water Column)

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

32.90 (DTW) + 1/2(15.05 (Water Column 30.10)) = 47.95 (Pump Intake Depth) @ 48'

Pump Intake Depth, Submerged Screen:

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

Date Purged: 10-29-14 **Start (24 Hour)** 1109 **End (24 Hour)** 1125

Date Sampled: 10-29-14 **Start (24 Hour)** 1125 **End (24 Hour)** ____

TIME (24 Hr)	VOLUME (gallons)	DEPTH TO WATER (feet btc)	pH (units)	E.C. (sM/cm)	ORP (mV)	TEMPERATURE (°F/°C)	D.O. (mg/L)	COLOR (visual)	TURBITY (visual or NTU)
1111	.25	32.97	7.18	1.234	-48.2	24.03	1.91	clear	4.79
1113	.50	33.03	7.17	1.235	-57.7	23.84	0.90	"	4.61
1115	.75	33.06	7.16	1.232	-66.9	23.85	0.60	"	NT
1117	1.0	NT	7.16	1.233	-71.7	23.81	0.53	"	4.64
1119	1.25	33.10	7.16	1.233	-77.0	23.83	0.44	"	4.69
1121	1.50	33.12	7.16	1.232	-79.7	23.84	0.40	"	NT
1123	1.75	33.12	7.15	1.233	-80.6	23.85	0.42	"	4.79
1125	2.0	NT	7.15	1.231	-81.3	23.86	0.43	"	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: Dave Lubben

Reviewed By: DS

Date: 12/15/14

NORWALK WELL GAUGING DATA

TECHNICIAN: MW DATE: 10-27-14 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.) 2Q13	Depth to water (ft.) 4Q13	Depth to water (ft.) 2Q14	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Time
EXP-1	4					52.57	55.41	55.45	58.29	128.87	TOC	1131
EXP-2	4					52.97	55.88	56.10	58.94	128.35		1119
EXP-3	4					51.65	54.62	54.68	57.55	123.60		1140
EXP-4	4					52.81	55.62	55.92	58.95	115.15		0900
EXP-5	4					46.58	50.13	49.42	52.58	113.32		1132
GMW-1	4					47.34	30.25	30.42	30.78	49.41		0947
GMW-10	4		29.12	1.67	0.42	33.64	31.85	29.43	30.19	—		1413
GMW-13	4					28.67	29.65	29.66	30.02	49.56		0849
GMW-14	4					29.23	30.65	30.25	30.63	49.70		0831
GMW-22	4		32.41	3.33	3.29	31.92	34.28	35.59	35.74	—		1444
GMW-23	4					29.31	30.27	30.23	31.08	57.74		1304
GMW-24	4		32.91	3.91	5.73	-	35.42	37.74	36.82	—		1420 ~~1540~~
GMW-25	4		33.95	0.79	4.40	32.11	33.23	32.40	34.78	—		1350
GMW-26	4					28.98	29.94	30.28	30.68	50.73		1148
GMW-27	4					28.96	29.45	30.19	30.51	48.94		0840
GMW-28	4					28.99	29.46	30.23	30.60 ~~31.16~~	~~44.26~~ ~~53.09~~ W		1154 ~~1224~~ W
GMW-29	4					28.95	30.30	31.62	32.42	42.61		1212
GMW-3	4					unable to Locate		30.55	30.90	49.80		1234
GMW-30	6		30.12	3.62		29.31	30.32	30.60	33.74	—		13.15
GMW-36	4		31.79	1.23		-	34.65	Extraction Pump	33.02 ~~31.79~~	—		1124
GMW-37	4					31.69	32.51	32.55	32.57	53.47		0841
GMW-38	4					30.07	30.31	35.76	31.16	52.92		12.24
GMW-39	4					29.71	29.92	30.25	30.73	50.60		0821
GMW-4	4		31.32	0.02	0.09	38.04	30.43	31.06	31.34	—		0953
GMW-8	4					-		29.60	29.96	46.50		1516
GMW-9	5		32.42	3.62	6.01	31.83	35.30	37.66	36.04	—		1116
GMW-O-1	4					25.04	25.72	26.72	27.28	49.13		0939

SEE RELEASE REPORTING PROCEDURE REMINDER IN SOW

NORWALK WELL GAUGING DATA

TECHNICIAN: NV DATE: 10-27-14 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.) 2Q13	Depth to water (ft.) 4Q13	Depth to water (ft.) 2Q14	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Time
GMW-O-10	4					26.31	29.17	29.48	29.93	50.06	TOC	1500
GMW-O-11	4		28.59	2.39		-	31.19	Extraction Pump	31.25	—		0804
GMW-O-12	4		28.90	4.34	3.54	26.60	27.34	30.84	31.28	—		0814
GMW-O-14	4					28.83	28.84	29.36	29.84	48.83		1200
GMW-O-15	4		28.30	3.59		-	29.03	Extraction Pump	31.89 ~~30.22~~	47.11		1208 10-30-14
GMW-O-16	4					28.61	28.48	28.85	29.30	48.88		1404
GMW-O-17	4					27.48	28.21	28.25	28.84	39.52		1120
GMW-O-18	4		29.52	0.43		-	26.67	Extraction Pump	29.95	—		1535
GMW-O-19	4					28.36	28.68	28.82	29.34	40.03		1203
GMW-O-2	4					26.12	26.12	27.72	27.90	49.23		0954
GMW-O-20	4		27.76	2.84		29.63	32.09	Extraction Pump	30.70	—		0810
GMW-O-21	4		28.93	0.81	0.04	-		28.65	29.75	—		1220
GMW-O-23	4		28.80	3.71		29.81	32.86	Extraction Pump	32.51	—		0758
GMW-O-24	4					28.53		29.33	29.82	45.09		1540
GMW-O-3	4					26.19	26.93	27.40	27.79	48.00		1025
GMW-O-4	4					25.88	26.51	26.98	27.42	49.54		1032
GMW-O-5	4					26.50	27.00	27.53	27.95	48.95		1036
GMW-O-6	4					24.36	25.31		26.27	49.77		1016
GMW-O-7	4					23.90	24.12	24.90	25.59	31.40		1010
GMW-O-8	4					23.64	24.53	25.21	25.74	49.40		0948
GMW-O-9	4					27.63	28.31	28.81	29.24	50.00		0959
GMW-SF-7	4					29.91	30.08	30.51	30.52	43.27		0830
GMW-SF-8	4					30.98	32.16	31.63	32.08	43.70		0820
GWR-1	4					29.28	29.66	30.31	30.81	45.81		1044
GWR-3	6		33.49	1.19	6.57	29.21	36.20	38.20	34.68	~~25.~~		1314
HL-2	4					30.99	32.21	32.53	32.89	35.17		0900
HL-3	4					31.61	32.50	32.68	32.93	41.47		1331

SEE RELEASE REPORTING PROCEDURE REMINDER IN SOW

NORWALK WELL GAUGING DATA

TECHNICIAN: NV DATE: 10/27/14 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.) 2Q13	Depth to water (ft.) 4Q13	Depth to water (ft.) 2Q14	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Time
MW-12	4					30.53	31.02	31.61	31.88	52.05	TOC	1245
MW-15	4				0.11	32.40	32.18	32.20	33.33	52.01		0916
MW-18 (MID)	4					30.68	35.33	35.40	35.81	65.50 ~~56.72~~ NV		1221
MW-19 (MID)	4					34.81	36.14	36.37	37.09	62.05		1350
MW-20 (MID)	4					33.35	34.37	34.95	35.65	56.57		1420
MW-21 (MID)	4					32.21	36.62	33.38	33.62	62.18		1335
MW-6	4					31.30	32.14	32.98	33.33	52.01		1415
MW-7	4					32.54	33.04	34.00	34.19	53.57		1346
MW-8	4					30.56	31.15	31.10	31.51	51.90		0915
MW-9	4					31.40	31.95	32.55	32.89	51.88		1004
MW-O-1	4	~~odor~~				28.81	29.21	29.82	29.42	32.81		0759 10/28/14
MW-O-2	6	odor	29.65	0.16	0.00	-	27.00	29.36	29.81	—		1245
MW-SF-1	6	odor	34.43	0.37	4.71	33.38	37.14	37.40	34.80	—		1102
MW-SF-10	4					DRY	DRY	DRY	Dry	30.41		1228
MW-SF-11	4		33.99	2.21	0.25	33.11	33.91	35.20	36.20	—		1233
MW-SF-12	4		33.08	4.32	5.37	-		38.04	37.40	—		1236
MW-SF-13	4		29.06	7.15	2.81	27.90		31.36	30.21	—		1504
MW-SF-14	4		33.97	0.43	1.25	-		34.81	34.40	—		1439
MW-SF-15	4					-		Extraction Pump	35.82	43.59		1355
MW-SF-16	4					-		Extraction Pump	34.25	43.84		1248
MW-SF-2	4		33.54	3.50	4.23	33.32	34.58	37.50	37.04	—		1456
MW-SF-3	4		33.85	0.64		-		Extraction Pump	34.49	—		1459
MW-SF-4	4		35.25	0.19		DRY	DRY	Extraction Pump	35.54	—		1136
MW-SF-5	~~4~~ 6					34.28	34.58	35.33	35.48	51.12		1330
MW-SF-6	~~4~~ 8		32.58	0.34		30.21		Extraction Pump	32.92	—		1401
MW-SF-9	4	odor	29.89	0.40	7.38	-	23.45	35.54	30.29	—		0934
PW-1	4					DRY	DRY	DRY	Dry	27.88	~~N~~	0925

SEE RELEASE REPORTING PROCEDURE REMINDER IN SOW

NORWALK WELL GAUGING DATA

TECHNICIAN: NV DATE: 10/27/19 CLIENT KMEP

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Last Events SPH Thickness	Depth to water (ft.) 2Q13	Depth to water (ft.) 4Q13	Depth to water (ft.) 2Q14	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Time
PW-2	4					DRY	DRY	DRY	Dry	25.99	TOC	0912
PW-3	4					27.79	28.57	34.30	29.73	50.10		1321
PZ-2	4		Unable	to	gauge	28.68	29.28	28.74	—	—		—
PZ-5	4					28.41	29.31	28.91	29.91	37.82		1027
VEW-1	4					DRY	DRY	DRY	Dry	29.03		1510
VEW-2	4					DRY	DRY	DRY	Dry	29.73		1512
WCW-1	4					26.83	27.63	27.73	28.53	52.86		~~0958~~ 1035
WCW-10	4					26.73	28.01	28.00	28.95	55.10		0940
WCW-11	4					26.91	29.54	29.79	30.61	59.76		0826
WCW-12	4					29.98	31.13	31.30	32.35	59.99		0834
WCW-13	4					31.67	32.66	32.94	33.67	60.36		0843
WCW-14	4					32.71	33.41	34.01	34.67	58.60		0919
WCW-2	4					29.11	30.25	31.71	31.42	52.35		0812
WCW-3	4					30.24	31.00	31.81	32.39	50.54		0930
WCW-4	4					32.12	32.78	33.54	34.21	51.62		0910
WCW-5	4					27.17	27.62	28.76	29.51	50.26		1030
WCW-6	4					29.59	30.56	31.12	31.69	50.89		0815
WCW-7	4					30.91	32.25	32.46	32.88	52.88		1020
WCW-8	4					31.62	32.42	33.53	33.75	51.46		0952
WCW-9	4					31.73	33.04	32.24	34.10	52.03	↓	1005

SEE RELEASE REPORTING PROCEDURE REMINDER IN SOW

WELL GAUGING DATA

Project # 141027 -MM1 Date 10-28-14 Client Source group

Site Norwalk

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
GMW-62	0845	4		32.14	5.63		57.77	—		
GMW-63	08:49	4					32.51	40.06		
GMW-64	08:42	4					30.81	39.77		
GMW-65	08:41	4					32.35	40.17		
	—									

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141027-NV1	Client: KMEP
Sampler: NV	Start Date: 10-28-14
Well I.D.: EXP-4	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 115.15	Depth to Water: Pre: 58.89 Post: 59.02
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: 1050 Flow Rate: 500mL/min Pump Depth: 110'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to water
1053	21.2	6.94	1448	3	0.84	-84.8	1500	58.92
1056	21.2	6.95	1457	2	0.76	-83.8	3000	59.00
1059	21.4	6.99	1466	2	0.61	-78.5	4500	59.01
1102	21.7	7.00	1467	2	0.59	-81.2	6000	59.02
1105	22.0	7.01	1469	2	0.66	-81.7	7500	59.02
1108	22.1	7.01	1468	2	0.69	-81.7	9000	59.02
1111	21.1	7.02	1467	2	0.71	-81.6	10500	59.02

Did well dewater? Yes (No)	Amount actually evacuated: 10500 mL
Sampling Time: 1112	Sampling Date: 10-28-14
Sample I.D.: EXP-4	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 #: 141027-NV1	Client: KMEP
Sampler: NV	Start Date: 10-28-14
Well I.D.: EXP-5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 113.32	Depth to Water: Pre: 52.58 Post: 52.63
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: 1002 Flow Rate: 500 /mL Pump Depth: 100'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1005	21.4	6.52	1035	7	1.55	-74.9	1500	52.61
1008	21.4	6.76	1032	5	0.89	-100.3	3000	52.61
1011	21.6	6.85	1036	5	0.80	-105.5	4500	52.62
1014	22.2	6.97	1059	5	0.76	-128.6	6000	52.62
1017	22.3	6.99	1063	5	0.76	-126.5	7500	52.62
1020	22.4	7.00	1071	5	0.75	-125.1	9000	56.63

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

Sampling Time: 1021 Sampling Date: 10-28-14

Sample I.D.: EXP-5 Laboratory: Alpha Analytical

Analyzed for: (TPHg) TPHd VOC's MTBE Other: See S.O.W

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141027-MM	Client: KMEP
Sampler: MM	Start Date: 10-30-14
Well I.D.: GMW-1	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 49.13	Depth to Water: Pre: 27.28 Post: 27.40
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: 1056 Flow Rate: 500ml/min Pump Depth: 44'

Time	Temp. (C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to water
1059	24.9	6.95	1493	37	1.95	-109.6	1500	27.37
1102	25.4	6.89	1480	35	0.74	-116.7	3000	27.38
1105	25.6	6.88	1479	30	0.58	-118.1	4500	27.39
1108	25.7	6.88	1478	29	0.55	-118.9	6000	27.39
1111	25.8	6.88	1478	28	0.51	-115.3	7500	27.40

Did well dewater? Yes (No) Amount actually evacuated: 7500 mL

Sampling Time: 1112 Sampling Date: 10-30-14

Sample I.D.: GMW-1 Laboratory: Alpha Analytical

Analyzed for: TPH-g TPH-dp VOCs MTBE Other: See S.O.W

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141027-NV1	Client: KMEP
Sampler: SD	Start Date: 10/29/14
Well I.D.: GMW-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 49.80	Depth to Water: Pre: 30.90 Post: 31.04
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (TOC) 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: 1139 Flow Rate: 400 ml/min Pump Depth: 44'

Time	Temp. (°C or °F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to water
1142 ~~23.5~~	23.5	6.88	1390	9	1.74	117.8	1200	30.99
1145	23.9	6.86	1393	7	1.55	113.2	2400	31.03
1148	24.1	6.85	1397	6	1.45	109.4	3600	31.04
1151	24.3	6.86	1397	6	1.39	107.2	4800	31.04
1154	24.5	6.86	1401	5	1.34	105.5	6000	31.04

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

Sampling Time: 1155 Sampling Date: 10/29/14

Sample I.D.: GMW-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 #: 14 1027 - NV1	Client: KMEP
Sampler: SD	Start Date: 12/30/14
Well I.D.: GMW-4	Well Diameter: 2 3 4 6 8 ___
Total Well Depth: —	Depth to Water: Pre: 31.34 Post:
Depth to Free Product: 31.32	Thickness of Free Product (feet): 0.02
Referenced to: (TOC) 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 or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
—	0.02'	of	SpH	~~decl~~	detected	w/	Interface	probe

Did well dewater? Yes / No — Amount actually evacuated:

Sampling Time: — Sampling Date:

Sample I.D.: — Laboratory: Alpha Analytical

Analyzed for: TPHg TPHfp VOC's MTBE — Other:

Equipment Blank I.D.: @ Time — Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141027-MW1	Client: KMEP
Sampler: MW	Start Date: 10-29-14
Well I.D.: GMW-8	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 45.50	Depth to Water: Pre: 29.94 Post: 30.12
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: 1305 Flow Rate: 300mL/min Pump Depth: 40'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to water
1308	23.0	6.80	2071	49	1.18	-152.3	900 ~~1500~~	30.05
1311	23.1	6.80	2065	43	0.78	-158.4	1800	30.07
1314	23.5	6.80	2023	45	0.40	-159.1	2700	30.09
1317	23.8	6.81	2060	44	0.38	-159.3	3600	30.10
1320	23.9	6.80	2067	43	0.38	-159.5	4500	30.11
1323	24.0	6.81	2071	44	0.37	-159.7	5400	30.12

Did well dewater? Yes (No) Amount actually evacuated: 5400mL

Sampling Time: 1324 Sampling Date: 10-29-14

Sample I.D.: GMW-8 Laboratory: Alpha Analytical

Analyzed for: TPHg TPHfp VOC's MTBE Other: See S.O.W

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141027-MV1	Client: KMEP
Sampler: MV	Start Date: 10-30-14
Well I.D.: GMW-10	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: —	Depth to Water: Pre: 30.19 Post: —
Depth to Free Product: 29.12	Thickness of Free Product (feet): 1.07
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 or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
	—	1.07' of SPH	detected	w/interface 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 #: 141027-GW1	Client: KMEP
Sampler: SD	Start Date: 10/29/14
Well I.D.: GMW-13	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 49.58	Depth to Water: Pre: 30.02 Post: 30.16
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
Sampling Method: Dedicated Tubing New Tubing Other ___

Start Purge Time: 0928 Flow Rate: 400 ml/min Pump Depth: 44'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
0931	21.5	7.16	756	5	1.69	81.3	1200	30.12
0934	21.8	7.11	750	4	1.42	80.1	2400	30.15
0937	22.4	7.09	757	4	1.23	79.7	3600	30.15
0940	22.6	7.08	759	3	1.19	79.9	4800	30.15
0943	22.7	7.07	761	3	1.20	81.6	6000	30.16

Did well dewater? Yes (No)	Amount actually evacuated: 6000 mL
Sampling Time: 0944	Sampling Date: 10/29/14
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 #: 141027 - NV1	Client: KMEP
Sampler: SD	Start Date: 10/30/14
Well I.D.: GMW-14	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 49.70	Depth to Water: Pre: 30.63 Post: 30.73
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: 1414 Flow Rate: 400 mL/min Pump Depth: 44'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1417	23.4	6.60	1441	2	0.94	-45.5	1200	30.71
1420	23.7	6.60	1436	2	0.76	-20.2	2400	30.72
1423	23.7	6.61	1436	1	0.71	-16.1	3600	30.72
1426	23.9	6.62	1430	1	0.62	-16.3	4800	30.73
1429	23.9	6.64	1433	1	0.63	-19.2	6000	30.73

Did well dewater? Yes (No)	Amount actually evacuated: 6000
Sampling Time: 1430	Sampling Date: 10/30/14
Sample I.D.: GMW-14	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 #: 111027 - MM	Client: KMEP
Sampler: MM	Start Date: 10 - 31 - 14
Well I.D.: GMW-23	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 57.74	Depth to Water: Pre: 31.08 Post: 31.33
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: 1100 Flow Rate: 350mL/min Pump Depth: 52'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1105	23.0	6.73	2735	57	0.78	-124.2	900	31.31
1106	23.4	6.73	2743	53	0.29	-126.2	1800	31.31
1109	23.4	6.73	2750	49	0.26	-131.5	2700	31.32
1112	24.0	6.74	2757	45	0.28	-135.8	3600	31.32
1115	24.1	6.74	2759	44	0.30	-138.0	4500	31.33
1118	24.0	6.73	2761	42	0.31	-138.9	5400	31.33
							Strong Odor Very Heavy Sheen	

Did well dewater? Yes (No) Amount actually evacuated: 5400mL

Sampling Time: 1119 Sampling Date: 10-31-14

Sample I.D.: GMW-23 Laboratory: Alpha Analytical

Analyzed for: (TPHg) (TPHfp) (VOC's) MTBE Other: See S.O.W

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141027-111	Client: KMEP
Sampler: MV	Start Date: 10-30-14
Well I.D.: GMW-27	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 48.94	Depth to Water: Pre: 30.51 Post: 30.67
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: 0937 Flow Rate: 500mL/min Pump Depth: 44'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
0940	22.7	6.76	4253	50	1.29	-102.5	1500	30.66
0943	22.9	6.75	4271	56	0.83	-105.0	3000	30.66
0946	23.4	6.75	4281	57	0.71	-110.3	4500	30.67
0949	23.5	6.75	4286	55	0.66	-112.1	6000	30.67
0952	23.6	6.76	4291	53	0.68	-115.6	7500	30.67

Did well dewater? Yes (No) Amount actually evacuated: 7500 mL

Sampling Time: 0953 Sampling Date: 10-30-14

Sample I.D.: GMW-27 Laboratory: Alpha Analytical

Analyzed for: (TPH-g) (TPH-fp) (VOCs) MTBE Other: See S.O.W

Equipment Blank I.D.: @ Time Duplicate I.D.: DUP-3

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141027-MM	Client: KMEP
Sampler: MM	Start Date: 10-31-14
Well I.D.: GMW-28	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 49.26	Depth to Water: Pre: 30.60 Post: 30.82
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: 0736 Flow Rate: 200 mL/min Pump Depth: 45'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
0739	21.3	6.74	3225	83	1.40	-108.8	600	30.80
0742	21.5	6.73	3242	112	1.00	-105.2	1200	30.80
0745	21.9	6.73	3244	120	0.35	-105.8	1800	30.81
0748	22.1	6.73	3233	147	0.24	-108.2	2400	30.81
0751	22.4	6.72	3223	149	0.24	-110.4	3000	30.81
0754	22.5	6.71	3217	151	0.23	-113.2	3600	30.82
0757	22.6	6.71	3213	148	0.23	-115.7	4200	30.82

Did well dewater? Yes (No) Amount actually evacuated: 4200 mL

Sampling Time: 0758 Sampling Date: 10-31-14

Sample I.D.: GMW-28 Laboratory: Alpha Analytical

Analyzed for: (TPHg) (TPHfp) (VOC's) MTBE Other: (See S.O.W)

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141027-MM1	Client: KMEP
Sampler: MM	Start Date: 10-30-14
Well I.D.: GMW-36	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: ~~31.~~	Depth to Water: Pre: 33.02 Post: —
Depth to Free Product: 31.79	Thickness of Free Product (feet): 1.23
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 or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
	—	1.23' of SPH detected w/ interface 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 #: 141027-NV1	Client: KMEP
Sampler: SD	Start Date: 10/29/14
Well I.D.: GMW-37	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 63.47	Depth to Water: Pre: 32.97 Post: 33.09
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: 0956 Flow Rate: 400 mL/min Pump Depth: 57'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
0959	21.5	7.22	1455	9	3.50	126.4	1200	33.05
1002	21.9	7.17	1479	8	2.92	120.6	2400	33.07
1005	22.2	7.16	1482	8	2.46	117.7	3600	33.09
1008	22.5	7.16	1486	7	2.26	116.1	4800	33.09
1011	22.9	7.16	1489	7	2.31	115.6	6000	33.09
~~1014~~								

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

Sampling Time: 1012 Sampling Date: 10/29/14

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 #: 141027-NV1	Client: KMEP
Sampler: SD	Start Date: 10/29/14
Well I.D.: GMW-38	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 52.92	Depth to Water: Pre: 31.16 Post: 31.25
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump (2) Peristaltic Pump Bladder Pump
Sampling Method: Dedicated (Tubing) New Tubing Other ___

Start Purge Time: 1329 Flow Rate: 400 ml/min Pump Depth: 48'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1342	22.7	6.98	844	6	0.21	82.1	1200	31.21
1345	22.8	6.96	868	5	0.15	76.4	2400	31.24
1348	23.0	6.95	889	4	0.13	71.8	3600	31.24
1351	23.3	6.95	896	4	0.15	68.0	4800	31.24
1354	23.4	6.95	901	3	0.16	67.6	6000	31.25

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

Sampling Time: 1355 Sampling Date: 10/29/14

Sample I.D.: GMW-38 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 #: 141027 - AVI	Client: KMEP
Sampler: SD	Start Date: 10/30/14
Well I.D.: GMW-39	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 50.60	Depth to Water: Pre: 30.73 Post: 30.81
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: 1339 Flow Rate: 400 mL/min Pump Depth: 45'

Time	Temp. ((°C) or °F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to water
1342	23.0	6.91	1249	2	0.30	86.9	1200	30.79
1345	23.5	6.87	1258	1	0.31	87.6	2400	30.81
1348	24.0	6.87	1259	1	0.24	87.3	3600	30.81
1351	24.3	6.87	1263	2	0.20	88.9	4800	30.81
1354	24.5	6.87	1267	1	0.18	89.4	6000	30.81

Did well dewater? Yes (No)	Amount actually evacuated: 6000mL
Sampling Time: 1355	Sampling Date: 10/30/14
Sample I.D.: GMW-39	Laboratory: Alpha Analytical
Analyzed for: (TPHg) TPHfp (VOCs) MTBE	Other: See COC
Equipment Blank I.D.: @ Time	Duplicate I.D.: DUP-4

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141027-MM	Client: KMEP
Sampler: MM	Start Date: 10-29-14
Well I.D.: GMW-0-1	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 49.13	Depth to Water: Pre: 27.28 Post: 27.42
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: 0913 Flow Rate: 500 mL/min Pump Depth: 44'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
0916	21.7	6.80	2590	245	0.99	21.3	1500	27.34
0919	21.8	6.79	2595	219	0.75	18.1	3000	27.36
0922	22.1	6.78	2598	178	0.70	14.3	4500	27.38
0925	22.3	6.78	2602	149	0.71	13.5	6000	27.40
0928	22.4	6.77	2613	145	0.74	11.9	7500	27.41
0931	22.5	6.77	2617	131	0.75	10.5	9000	27.42

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

Sampling Time: 0932 Sampling Date: 10-29-14

Sample I.D.: GMW-0-1 Laboratory: Alpha Analytical

Analyzed for: (TPHg) (TPHdp) (VOC's) MTBE Other: See S.O.W

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141027-MM	Client: KMEP
Sampler: MM	Start Date: 10-29-14
Well I.D.: GMW-O-2	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 49.23	Depth to Water: Pre: 27.90 Post: 28.01
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: 1220 Flow Rate: 500ml/min Pump Depth: 44'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1223	23.8	6.96	2695	34	1.08	-2.0	1500	27.95
1226	24.0	6.97	2685	36	0.53	-14.7	3000	27.97
1229	24.4	6.97	2691	35	0.42	-18.8	4500	27.99
1232	24.5	6.97	2693	34	0.43	-20.5	6000	28.00
1235	24.6	6.98	2695	34	0.43	-21.9	7500	28.01

Did well dewater? Yes (No)	Amount actually evacuated: 7500 mL
Sampling Time: 1235	Sampling Date: 10-29-14
Sample I.D.: GMW-O-2	Laboratory: Alpha Analytical
Analyzed for: (TPHg) (TPHfp) (VOC's) MTBE	Other: See S.O.W
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141027-MM	Client: KMEP
Sampler: MV	Start Date: 10-29-14
Well I.D.: GMW-O-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 48.00	Depth to Water: Pre: 27.79 Post: 27.92
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: 0949 Flow Rate: 500mL/min Pump Depth: 43'

Time	Temp. (°C or °F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to water
0952	22.1	6.82	2625	115	0.69	-16.5	1500	27.87
0955	22.8	6.81	2612	113	6.56	-13.0	3000	27.89
0958	23.3	6.80	2614	114	0.56	-13.6	4500	27.89
1001	23.4	6.80	2620	111	0.57	-15.4	6000	27.91
1004	23.5	6.79	2627	112	0.59	-14.7	7500	27.92

Did well dewater? Yes (No) Amount actually evacuated: 7500 mL

Sampling Time: 1005 Sampling Date: 10-29-14

Sample I.D.: GMW-O-3 Laboratory: Alpha Analytical

Analyzed for: (TPHg) (TPHd) (VOC's) MTBE Other: See S.O.W

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141027-MM	Client: KMEP
Sampler: MM	Start Date: 10-29-14
Well I.D.: GMW-0-4	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 49.54	Depth to Water: Pre: 27.42 Post: 27.53
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: 1033 Flow Rate: 500mL/min Pump Depth: 44'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1036	23.2	6.97	2888	53	3.33	20.0	1500	27.49
1039	23.3	6.99	2895	39	2.82	12.1	3000	27.51
1042	23.5	6.99	2900	36	2.70	10.0	4500	27.52
1045	23.9	6.99	2906	37	2.36	09.9	6000	27.52
1048	24.0	6.99	2906	35	2.29	09.7	7500	27.52
1051	24.0	6.99	2909	34	2.25	09.1	9000	27.53

Did well dewater? Yes (No)	Amount actually evacuated: 9000mL
Sampling Time: 1052	Sampling Date: 10-29-14
Sample I.D.: GMW-0-4	Laboratory: Alpha Analytical
Analyzed for: (TPHg) (TPHfp) (VOC's) MTBE	Other: See S.O.W
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141027-MM1	Client: KMEP
Sampler: MM	Start Date: 10-29-14
Well I.D.: GMW-0-5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 48.95	Depth to Water: Pre: 27.95 Post: 27.98
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: 1105 Flow Rate: 500mL/min Pump Depth: 44

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1111	22.4	7.03	2120	35	1.48	-18.1	1500	27.98
1114	22.7	7.03	2111	31	1.04	-19.7	3000	27.98
1117	23.0	7.03	2103	31	0.86	-18.9	4500	27.98
1120	23.1	7.03	2099	29	0.79	-20.8	6000	27.98
1123	23.1	7.03	2105	28	0.80	-21.1	7500	27.98

Did well dewater? Yes (No)	Amount actually evacuated: 7500 mL
Sampling Time: 1124	Sampling Date: 10-29-14
Sample I.D.: GMW-0-5	Laboratory: Alpha Analytical
Analyzed for: (TPHg) (TPHfp) (VOC's) MTBE	Other: See S.O.W
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141027-MM	Client: KMEP
Sampler: MM	Start Date: 10-29-14
Well I.D.: GMW-0-9	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 50.00	Depth to Water: Pre: 29.24 Post: 29.35
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Other ____

Start Purge Time: 1146 Flow Rate: 500 mL/min Pump Depth: 45

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1149	22.3	6.98	2831	29	1.40	-16.9	1500	29.29
1152	22.6	6.94	2844	31	0.66	-34.7	3000	29.31
1155	23.0	6.97	2856	33	0.53	-40.5	4500	29.33
1158	23.1	6.97	2860	35	0.51	-40.3	6000	29.34
1201	23.1	6.98	2863	34	0.52	-39.9	7500	29.35

Did well dewater? Yes (No)	Amount actually evacuated: 7500 mL
Sampling Time: 1201	Sampling Date: 10-29-14
Sample I.D.: GMW-0-9	Laboratory: Alpha Analytical
Analyzed for: (TPHg) (TPHfp) (VOCs) MTBE	Other: (See S.O.W.)
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141027 - MM	Client: KMEP
Sampler: MM	Start Date: 10-30-14
Well I.D.: GMW-0-10	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 50.06	Depth to Water: Pre: 29.93 Post: 30.06
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: 0850 Flow Rate: 400 mL/min Pump Depth: 40

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
0853	19.9	6.85	3198	16	1.98	-152.1	1200	30.06
0856	20.0	6.84	3218	12	1.39	-146.1	2400	30.06
0859	20.1	6.85	3210	12	1.36	-141.5	3600	30.06
0902	20.1	6.86	3199	13	1.34	-139.7	4800	30.06
0905	20.2	6.87	3191	12	1.36	-132.9	6000	30.06

Did well dewater? Yes (No)	Amount actually evacuated: 6000mL
Sampling Time: 0906	Sampling Date: 10-30-14
Sample I.D.: GMW-0-10	Laboratory: Alpha Analytical
Analyzed for: TPH-g TPH-dfp VOCs MTBE	Other: See S.O.W
Equipment Blank I.D.: @ Time	Duplicate I.D.: DUP-2

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141027-AVI	Client: KMEP
Sampler: SO	Start Date: 10/30/14
Well I.D.: GMW-0-12	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: —	Depth to Water: Pre: 31.28 Post:
Depth to Free Product: 26.90	Thickness of Free Product (feet): 4.38
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 or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
	—	4.38	of	SPH	detected		—	—
		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 #: 141027-MM	Client: KMEP
Sampler: MM	Start Date: 10-31-14
Well I.D.: GMW-0.14	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 48.83	Depth to Water: Pre: 29.84 Post: 29.98
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: 0937 Flow Rate: 500 mL/min Pump Depth: 43'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to water
0940	23.7	6.89	2550	57	1.09	-253.8	1500	29.97
0943	24.2	6.89	2557	58	0.12	-281.7	3000	29.97
0946	24.6	6.89	2563	55	0.08	-295.5	4500	29.98
0949	24.7	6.88	2555	54	0.09	-298.7	6000	29.98
0952	24.7	6.88	2549	55	0.07	-299.9	7500	29.98
							Very strong Odor	

Did well dewater? Yes (No) Amount actually evacuated: 7500 mL

Sampling Time: 0953 Sampling Date:

Sample I.D.: GMW-0.14 Laboratory: Alpha Analytical

Analyzed for: (TPHg) TPHfp VOC's MTBE Other: See S.O.W

Equipment Blank I.D.: @ Time Duplicate I.D.: DUP-6

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141027-MM	Client: KMEP
Sampler: MM	Start Date: 10-30-14
Well I.D.: GMW-O-15	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: —	Depth to Water: Pre: 31.89 Post: —
Depth to Free Product: 25.30	Thickness of Free Product (feet): 3.59
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 or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
	—	3.59'	of SPH	detected w/interface 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 #: 141027-BM1	Client: KMEP
Sampler: SD	Start Date: 10/29/14
Well I.D.: GMW-O-16	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 48.88	Depth to Water: Pre: 29.30 Post: 29.43
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: 1411 Flow Rate: 500 mL/min Pump Depth: 43

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1414	22.5	6.64	1906	8	0.66	99.7	1500	29.41
1417	23.1	6.64	1919	6	0.63	103.3	3000	29.42
1420	23.1	6.64	1922	5	0.57	100.7	4500	29.42
1423	23.3	6.65	1925	5	0.51	94.5	6000	29.43
1426	23.3	6.65	1924	6	0.51	93.6	7500	29.43

Did well dewater? Yes (No)	Amount actually evacuated: 7500
Sampling Time: 1427	Sampling Date: 10/29/14
Sample I.D.: GMW-O-16	Laboratory: Alpha Analytical
Analyzed for: (TPHg) TPHfp (VOCs) MTBE	(Other): See COC
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141027-MM	Client: KMEP
Sampler: MM	Start Date: 10-29-14
Well I.D.: GMW-0-17	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 39.52	Depth to Water: Pre: 28.82 Post: 29.01
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: 0837 Flow Rate: 500mL/min Pump Depth: 34'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
0840	21.3	6.71	1704	75	2.45	20.5	1500	28.97
0843	21.5	6.70	1706	66	2.22	22.5	3000	28.99
0846	22.5	6.69	1711	40	1.97	25.4	4500	29.00
0849	23.2	6.71	1715	31	1.78	24.2	6000	29.01
0852	23.3	6.72	1715	29	1.75	23.7	7500	29.01
0855	23.4	6.73	1716	28	1.71	22.5	9000	29.01

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

Sampling Time: 0856 Sampling Date: 10-29-14

Sample I.D.: GMW-0-17 Laboratory: Alpha Analytical

Analyzed for: (TPHg) (TPHfp) (VOC's) MTBE Other: (See S.O.W)

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141027-MW1	Client: KMEP
Sampler: SD	Start Date: 10/30/14
Well I.D.: GMW-8-18	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: —	Depth to Water: Pre: 29.95 Post: —
Depth to Free Product: 29.52	Thickness of Free Product (feet): 0.43
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 or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
—	0.43'	of	SPH	detected	w/	I.P.		—

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 #: 141027-MW1	Client: KMEP
Sampler: MW	Start Date: 10-29-14
Well I.D.: GMW-O-19	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 40.05	Depth to Water: Pre: 29.34 Post: 29.35
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump (S) Peristaltic Pump Bladder Pump
Sampling Method: Dedicated (S) Tubing New Tubing Other ___

Start Purge Time: 1355 Flow Rate: 400mL/MIN Pump Depth: 35'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1358	24.0	6.70	1913	21	2.39	17.5	1200	29.35
1401	23.6	6.67	1897	18	1.96	16.0	2400	29.35
1404	24.0	6.64	1891	20	1.20	14.0	3600	29.35
1407	24.1	6.66	1890	19	0.80	13.7	4800	29.36
1410	24.2	6.66	1894	17	0.77	12.0	6000	29.36
1413	24.2	6.65	1890	16	0.75	10.7	7200	29.36

Did well dewater? Yes (No) Amount actually evacuated: 7200 mL

Sampling Time: 1414 Sampling Date: 10-29-14

Sample I.D.: GMW-O-19 Laboratory: Alpha Analytical

Analyzed for: TPHg (TPHd) VOC's MTBE Other: (See S.O.W)

Equipment Blank I.D.: EB-3 @ Time 1430 Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141027-MN1	Client: KMEP
Sampler: MN	Start Date: 10-29-14
Well I.D.: GMW-O-24	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 45.05	Depth to Water: Pre: 29.80 Post: 30.03
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Other ___

Start Purge Time: 0753 Flow Rate: 200 mL/min Pump Depth: 40'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
0756	19.1	6.73	2117	15	1.37	44.0	600	29.89
0753	19.2	6.74	2118	12	1.15	35.5	1200	30.01
0802	19.5	6.75	2117	13	1.00	22.9	1800	30.02
0805	20.0	6.76	2120	13	1.02	20.7	2400	30.02
0808	20.1	6.76	2122	12	1.05	20.1	3000	30.03
0811	20.2	6.77	2123	12	1.07	19.5	3600	30.03
0814	20.2	6.77	2122	11	1.06	19.3	4200	30.03

Did well dewater? Yes (No) Amount actually evacuated: 4200 mL

Sampling Time: 0815 Sampling Date: 10-29-14

Sample I.D.: GMW-O-24 Laboratory: Alpha Analytical

Analyzed for: TPHg TPHfp VOC's MTBE Other: See S.O.W

Equipment Blank I.D.: @ Time Duplicate I.D.: DUP-1

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141027-WV1	Client: KMEP
Sampler: SD	Start Date: 10/29/14
Well I.D.: GMW-SF-7	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 43.27	Depth to Water: Pre: 30.92 Post: 31.02
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: 1102 Flow Rate: 400 mL/min Pump Depth: 38'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1105	23.0	7.31	1610	8	5.55	145.1	1200	31.00
1108	23.0	7.25	1613	6	5.50	134.5	2400	31.01
1111	23.0	7.23	1615	6	5.51	127.3	3600	31.01
1114	23.3	7.22	1616	5	5.51	121.6	4800	31.02
1117	23.5	7.22	1618	5	5.38	117.4	6000	31.02

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

Sampling Time: 1118 Sampling Date: 10/29/14

Sample I.D.: GMW-SF-7 Laboratory: Alpha Analytical

Analyzed for: (TPHg) TPHfp (VOCs) MTBE Other: See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141027-NV1	Client: KMEP
Sampler: SV	Start Date: 10/29/14
Well I.D.: GMW-SF-8	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 43.70	Depth to Water: Pre: 32.08 Post: 32.20
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: 1025 Flow Rate: 400 ml/min Pump Depth: 38'

Time	Temp. (°C or °F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to water
1028	22.6	6.96	1986	11	5.12	124.5	1200	32.20
1031	22.3	6.93	1985	9	5.11	125.3	2400	32.20
1034	22.7	6.93	1989	8	5.00	125.8	3600	32.20
1037	23.1	6.93	1996	7	4.91	125.8	4800	32.20
1040	23.3	6.92	2005	7	4.94	126.2	6000	32.20

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

Sampling Time: 1041 Sampling Date: 10/29/14

Sample I.D.: GMW-SF-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 #: 141027-001	Client: KMEP
Sampler: SD	Start Date: 10/30/14
Well I.D.: MW-5F-9	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: —	Depth to Water: Pre: 30.29 Post: —
Depth to Free Product: 29.89	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 or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
	— 0.40' of SPH detected w/ interface probe							—

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

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141027-MW1	Client: KMEP
Sampler: MW	Start Date: 10.30.14
Well I.D.: GWR-1	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 45.81	Depth to Water: Pre: 30.31 Post: 30.87
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: 1210 Flow Rate: 500 mL/min Pump Depth: 40'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1213	24.3	6.81	3125	85	1.07	-120.8	1500	30.86
1216	24.5	6.91	3119	70	0.63	-126.1	3000	30.86
1219	24.7	6.91	3112	59	0.49	-129.9	4500	30.86
1222	25.0	6.92	3104	45	0.35	-133.8	6000	30.87
1225	25.1	6.91	3100	39	0.29	-140.5	7500	30.87
1228	25.2	6.91	3095	38	0.27	-141.7	9000	30.87
1131	25.2	6.92	3085	36	0.26	-144.1	10500	30.87

Did well dewater? Yes (No) Amount actually evacuated: 10500 mL

Sampling Time: 1132 Sampling Date: 10.30.14

Sample I.D.: GWR-1 Laboratory: Alpha Analytical

Analyzed for: (TPHg) (TPHfp) (VOCs) MTBE Other: See S.O.W

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: ~~141027~~ 141027-WV1	Client: KMEP
Sampler: SD	Start Date: 10/29/14
Well I.D.: HL-2	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 39.17	Depth to Water: Pre: 32.84 Post: 32.98
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: 0845 Flow Rate: 400 ml/min Pump Depth: 37'

Time	Temp. (°C or °F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to water
0848	22.2	6.37	3274	67	1.58	-12.7	1200	32.95
0851	22.4	6.35	3273	70	1.39	-11.0	2400	32.97
0854	22.7	6.34	3280	65	1.33	-10.3	3600	32.97
0857	23.1	6.35	3281	64	1.15	-14.1	4800	32.97
0900	23.3	6.36	3283	63	1.15	-14.4	6000	32.98

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

Sampling Time: 0901 Sampling Date: 10/29/14

Sample I.D.: HL-2 Laboratory: Alpha Analytical

Analyzed for: (TPHg) TPHfp (VOCs) MTBE Other: (See COC)

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141027-NV1	Client: KMEP
Sampler: SD	Start Date: 10/30/14
Well I.D.: HL-3	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 41.47	Depth to Water: Pre: 32.93 Post: 33.04
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: 1137 Flow Rate: 400 mL/min Pump Depth: 36'

Time	Temp. (°C or °F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to water
1140	23.0	6.85	1949	8	0.73	-26.5	1200	33.01
1143	23.3	6.81	1949	6	0.65	-25.4	2400	33.03
1146	23.6	6.81	1949	6	0.63	-23.6	3600	33.03
1149	23.9	6.81	1948	5	0.60	-23.5	4800	33.04
1152	24.0	6.80	1947	5	0.59	-23.4	6000	33.04

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

Sampling Time: 1153 Sampling Date: 10/30/14

Sample I.D.: HL-3 Laboratory: Alpha Analytical

Analyzed for: (TPHg) TPHfp (VOCs) MTBE Other: See COC

Equipment Blank I.D.: EB-6 @ Time 1255 Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141027-MM	Client: KMEP
Sampler: MM	Start Date: 10-29-14
Well I.D.: MW-6	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 52.01	Depth to Water: Pre: 33.35 Post: 31.42
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: 1437 Flow Rate: 500 mL/min Pump Depth: 47'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1440	23.8	6.67	3155	18	0.85	-104.7	1500	33.38
1443	23.9	6.68	3150	15	0.55	-105.9	3000	33.40
1446	24.0	6.69	3148	10	0.50	-107.8	4500	33.41
1449	24.1	6.69	3153	10	0.48	-109.0	6000	33.41
1452	24.2	6.69	3155	11	0.43	-110.5	7500	31.42

Did well dewater? Yes (No)	Amount actually evacuated: 7500 mL
Sampling Time: 1453	Sampling Date: 10-29-14
Sample I.D.: MW-6	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See S.O.W
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141027-AV1	Client: KMEP
Sampler: SD	Start Date: 10/29/14
Well I.D.: MW-7	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 53.57	Depth to Water: Pre: 34.19 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: 1446 Flow Rate: 500 mL / 1500 min Pump Depth: 48'

Time	Temp. (°C or °F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to water
1449	23.8	6.88	2772	26	1.72	-55.4	1500	34.28
1452	24.2	6.86	2784	24	1.49	-54.6	3000	34.30
1455	24.4	6.86	2789	22	1.39	-54.9	4500	34.30
1458	24.6	6.87	2803	21	1.27	-54.8	6000	34.31
1501	24.7	6.87	2810	21	1.19	-54.6	7500	34.31

Did well dewater? Yes (No) Amount actually evacuated: 7500

Sampling Time: 1502 Sampling Date: 10/29/14

Sample I.D.: MW-7 Laboratory: Alpha Analytical

Analyzed for: (TPHg) TPHfp (VOCs) MTBE (Other): See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141027 - NV1	Client: KMEP
Sampler: SD	Start Date: 10/30/14
Well I.D.: MW-8	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 51.90	Depth to Water: Pre: 31.91 Post: 32.01
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: 1303 Flow Rate: 300 mL/min Pump Depth: 46'

Time	Temp. ((C) or °F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to water
1306	23.7	6.58	1630	7	0.87	80.2	900	32.00
1309	23.8	6.57	1626	6	0.79	83.3	1800	32.00
1312	24.1	6.57	1637	6	0.68	87.0	2700	32.01
1315	24.2	6.57	1655	5	0.61	88.5	3600	32.01
1318	24.2	6.57	1663	5	0.59	89.0	4500	32.01

Did well dewater? Yes (No) Amount actually evacuated: 4500 mL

Sampling Time: 1319 Sampling Date: 10/30/14

Sample I.D.: MW-8 Laboratory: Alpha Analytical

Analyzed for: (TPHg) TPHfp (VOCs) MTBE Other: See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141027 - MM	Client: KMEP
Sampler: MM	Start Date: 10-30-14
Well I.D.: MW-9	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 51.88	Depth to Water: Pre: 32.89 Post: 32.94
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: 1132 Flow Rate: 500mL/min Pump Depth: 55'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to water
1135	23.9	6.66	1728	46	1.53	-98.5	1500	32.91
1138	24.1	6.67	1725	35	0.85	-104.8	3000	32.92
1141	24.3	6.68	1726	33	0.63	-109.8	4500	32.93
1144	24.4	6.68	1729	31	0.60	-110.5	6000	32.93
1147	24.4	6.69	1737	30	0.58	-114.1	7500	32.94

Did well dewater? Yes (No) Amount actually evacuated: 7500mL

Sampling Time: 1148 Sampling Date: 10-30-14

Sample I.D.: MW-9 Laboratory: Alpha Analytical

Analyzed for: TPHg TPHfp VOC's MTBE Other: See S.O.W

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141027-MV1	Client: KMEP
Sampler: SD	Start Date: 10/29/14
Well I.D.: MW-12	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 52.05	Depth to Water: Pre: 31.88 Post: 32.03
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
Sampling Method: Dedicated Tubing New Tubing Other ____

Start Purge Time: 1303 Flow Rate: 500 mL/min Pump Depth: 47'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1306	23.9	6.93	1076	3	0.87	18.1	1500	32.00
1309	23.6	6.90	1072	2	0.82	19.7	3000	32.01
1312	23.8	6.88	1070	2	0.79	20.2	4500	32.03
1315	23.9	6.89	1068	3	0.72	20.9	6000	32.03
1318	23.9	6.89	1065	2	0.70	21.5	7500	32.03

Did well dewater? Yes (No) Amount actually evacuated: 7500 mL

Sampling Time: 1319 Sampling Date: 10/29/14

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.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141027-MM	Client: KMEP
Sampler: MM	Start Date: 10-31-14
Well I.D.: MW-15	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 52.01	Depth to Water: Pre: 33.33 Post: 33.41
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: 1020 Flow Rate: 300 mL/min Pump Depth: 47'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1023	23.1	6.63	1692	164	1.73	-116.6	900	33.37
1026	23.3	6.59	1692	158	1.29	-110.9	1800	33.39
1029	23.5	6.57	1694	151	1.15	-106.3	2700	33.40
1032	23.6	6.56	1692	147	1.11	-103.7	3600	33.41
1035	23.7	6.56	1695	145	1.09	-101.3	4500	33.41
							Light sheen when sampling well	

Did well dewater? Yes (No) Amount actually evacuated: 4500 mL

Sampling Time: 1036 Sampling Date: 10-31-14

Sample I.D.: MW-15 Laboratory: Alpha Analytical

Analyzed for: (TPHg) (TPHfp) VOC's MTBE Other: See S.O.W

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141027-MM1	Client: KMEP
Sampler: MM	Start Date: 10-31-14
Well I.D.: MW-18 (MID)	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 65.50	Depth to Water: Pre: 35.80 Post: 3595
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: 0835 Flow Rate: 500mL/min Pump Depth: 60'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
0838	22.5	6.94	2467	24	2.56	-57.1	1500	35.88
0841	22.6	6.91	2513	21	2.39	-58.1	3000	35.91
0844	22.8	6.88	2529	20	2.34	-58.5	4500	35.93
0847	23.1	6.87	2533	18	1.79	-60.6	6000	35.94
0850	23.2	6.87	2531	18	1.68	-59.9	7500	35.95
0853	23.3	6.87	2529	17	1.69	-60.3	9000	35.95

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

Sampling Time: 0854 Sampling Date: 10-31-14

Sample I.D.: MW-18 (MID) Laboratory: Alpha Analytical

Analyzed for: TPHg TPHfp VOCs MTBE Other: See S.O.W

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141027 ~~141030~~ - MV1	Client: KMEP
Sampler: SV	Start Date: 10/30/14
Well I.D.: MW-19 (MW-10)	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 62.05	Depth to Water: Pre: 37.09 Post: 37.23
Depth to Free Product:	Thickness of Free Product (feet): 37.23
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: 1044 Flow Rate: 500 mL/min Pump Depth: 58'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1047	22.6	6.95	2649	1	0.73	-65.1	1500	37.20
1050	22.8	6.94	2669	1	0.90	-61.7	3000	37.21
1053	23.0	6.94	2673	1	1.02	-60.1	4500	37.22
1056	23.0	6.94	2669	1	1.17	-59.8	6000	37.22
1059	23.0	6.94	263	1	1.27	-58.0	7500	37.23

Did well dewater? Yes (No) Amount actually evacuated: 7500 mL

Sampling Time: 1100 Sampling Date: 10/30/14

Sample I.D.: MW-19 (MW-10) Laboratory: Alpha Analytical

Analyzed for: TPHg (TPHd) VOC's MTBE Other: See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141027 - MV1	Client: KMEP
Sampler: SD	Start Date: 10/30/14
Well I.D.: MW-20 (MID)	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 56.57	Depth to Water: Pre: 35.65 Post: 35.74
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: 1013 Flow Rate: 400 mL/min Pump Depth: 51'

Time	Temp. (°C or °F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to water
1016	22.1	6.84	2852	2	1.53	-73.5	1200	35.71
1019	22.1	6.91	2886	1	1.33	-74.1	2400	35.73
1022	22.5	6.91	2886	1	1.20	-63.6	3600	35.73
1025	22.7	6.92	2887	1	1.14	-66.9	4800	35.74
1028	22.9	6.92	2893	1	1.16	-59.3	6000	35.74

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

Sampling Time: 1029 Sampling Date: 10/30/14

Sample I.D.: MW-20 (MID) Laboratory: Alpha Analytical

Analyzed for: (TPHg) TPHd VOC's MTBE Other: See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141027-NV1	Client: KMEP
Sampler: SD	Start Date: 10/30/14
Well I.D.: MW-21 (MID)	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 62.18	Depth to Water: Pre: 33.62 Post: 33.72
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump
Sampling Method: (Dedicated Tubing) | New Tubing | Other ____

Start Purge Time: 1112 Flow Rate: 400 mL/min Pump Depth: 57'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1115	23.3	6.93	2639	1	2.35	-68.5	1200 mL/min (50)	33.70
1118	23.0	6.85	2952	1	2.10	-57.3	2400	33.71
1121	23.0	6.84	2959	1	1.92	-55.2	3600	33.71
1124	23.1	6.84	2952	1	1.85	-55.2	4800	33.72
1127	23.3	6.84	2951	1	1.88	-55.7	6000	33.72

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

Sampling Time: 1128 Sampling Date: 10/30/14

Sample I.D.: MW-21 (MID) 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 #: 141027-NV1	Client: Kinder Morgan
Sampler: BB	Start Date: 10/27/14
Well I.D.: ~~BB~~ MW-0-2	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: — SpH	Depth to Water Pre: 29.81 Post: —
Depth to Free Product: 29.65	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: —

Purge Method: ~~2" Grundfos Pump~~ Peristaltic Pump ~~Bladder Pump~~
Sampling Method: Dedicated Tubing New Tubing Other ___

Flow Rate: ___ Pump Depth: ___

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
— 0.16 ft. of product detected w/ interface probe —								
— — no sample taken (0.02 ft. of product)								
— confirmed w/ bailer, picture taken —								

Did well dewater? Yes ~~No~~ Amount actually evacuated:

Sampling Time: Sampling Date:

Sample I.D.: Laboratory:

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141027-MN1	Client: KMEP
Sampler: MV	Start Date: 10-31-14
Well I.D.: MW-5F-5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 51.12	Depth to Water: Pre: 35.48 Post: 35.55
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: 1235 Flow Rate: 500mL/min Pump Depth: 46

Time	Temp. (°C or °F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to water
1238	24.3	6.44	2005	31	1.04	-100.1	1500	35.52
1241	24.5	6.44	2009	21	0.57	-101.5	3000	35.53
1244	24.6	6.44	2011	18	0.49	-102.8	4500	35.54
1247	24.7	6.44	2011	17	0.45	-106.1	6000	35.55
1250	24.7	6.44	2012	17	0.41	-107.9	7500	35.55

Did well dewater? Yes (No)	Amount actually evacuated: 7500
Sampling Time: 1251	Sampling Date: 10-31-14
Sample I.D.: MW-5F-5	Laboratory: Alpha Analytical
Analyzed for: (TPHg) TPHd VOCs MTBE	Other: See S.O.W
Equipment Blank I.D.: EB-7 @ Time 1317	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141027-MM1	Client: KMEP
Sampler: MM	Start Date: 10-30-14
Well I.D.: MW-5F-14	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: —	Depth to Water: Pre: 39.40 Post: —
Depth to Free Product: 33.97	Thickness of Free Product (feet): 0.43
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 or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
	—	6.43	08	SPH	detected	w/interface 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 #: 141027-MM	Client: KMEP
Sampler: MM	Start Date: 10-31-14
Well I.D.: MW-5F-16	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 43.84	Depth to Water: Pre: 34.25 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 (6) Peristaltic Pump Bladder Pump
Sampling Method: Dedicated Tubing New Tubing (6) Other ____

Start Purge Time: 1145 Flow Rate: 500mL/min Pump Depth: 38'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1148	27.3	6.57	1624	652	0.83	-156.9	1500	34.40
1153	27.4	6.57	1621	733	0.52	-188.9	3000	34.40
1156	27.5	6.56	1622	665	0.32	-198.5	4500	34.40
1159	27.7	6.56	1619	655	0.29	-201.7	6000	34.40
1202	27.8	6.57	1627	649	0.27	-205.3	7500	34.41
							Strong Odor Water Cloudy	
							Heavy Sheen	

Did well dewater? Yes (No) Amount actually evacuated: 7500

Sampling Time: 1203 Sampling Date: 10-31-14

Sample I.D.: MW-5F-16 Laboratory: Alpha Analytical

Analyzed for: TPH-g TPH-d VOC's MTBE Other: See S.O.W

Equipment Blank I.D.: NA @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141027-NV1	Client: KMEP
Sampler: SD	Start Date: 10/29/14
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 50.10	Depth to Water: Pre: 29.73 Post: 29.89
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: 0757 Flow Rate: 500 mL/min Pump Depth: 45

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
0800	20.8	6.68	2715	48	0.65	15.6	1500	29.81
0803	21.3	6.77	2707	49	0.65	-6.6	3000	29.86
0806	22.1	6.82	2730	39	0.59	-22.8	4500	29.88
0809	22.4	6.85	2746	38	0.55	-28.0	6000	29.88
0812	22.5	6.86	2760	36	0.51	-34.0	7500	29.89
0815	22.5	6.86	2768	36	0.49	-33.3	9000	29.89

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

Sampling Time: 0816 Sampling Date: 10/29/14

Sample I.D.: MW-3 Laboratory: Alpha Analytical

Analyzed for: (TPHg) TPHfp (VOCs) MTBE Other: See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141027-AV1	Client: KMEP
Sampler: SD	Start Date: 10/27/14
Well I.D.: PZ-2	Well Diameter: 2 3 4 6 8 (1")
Total Well Depth: ~~NA~~	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 or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
—	Unable to gauge, purge —							
	and 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 #: 141027-MM	Client: KMEP
Sampler: MM	Start Date: 10-30-14
Well I.D.: PZ-5	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 37.82	Depth to Water: Pre: 29.41 Post: 29.54
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: 1302 Flow Rate: 500mL/min Pump Depth: 35'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1305	22.2	6.69	2935	36	0.71	-110.6	1500	29.53
1308	22.3	6.70	2927	33	0.65	-113.5	3000	29.53
1311	22.4	6.70	2926	30	0.63	-115.7	4500	29.53
1314	22.4	6.70	2927	29	0.61	-118.8	6000	29.54

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

Sampling Time: 1315 Sampling Date: 10-30-14

Sample I.D.: PZ-5 Laboratory: Alpha Analytical

Analyzed for: (TPHg) (TPHfp) (VOCs) MTBE Other: See S.O.W

Equipment Blank I.D.: EB-5 @ Time 1329 Duplicate I.D.: DUP-5

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141027 - MN1	Client: KMEP
Sampler: MN	Start Date: 10-28-14
Well I.D.: WCW-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 52.35	Depth to Water: Pre: 31.57 Post: 31.80
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: 1143 Flow Rate: 300 mL/min Pump Depth: 45'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1146	22.3	7.03	2620	77	0.80	3.8	600 ~~1500~~	31.77
1149	22.5	7.03	2635	69	0.60	5.6	1200	31.79
1152	23.1	7.03	2642	61	0.75	6.3	1800	31.79
1155	23.4	7.03	2648	62	0.80	6.8	2400	31.80
1158	23.5	7.02	2645	60	0.85	6.5	3000	31.80
1201	23.6	7.02	2647	59	0.86	6.1	3600	31.80

Did well dewater? Yes (No) Amount actually evacuated: 3600 mL

Sampling Time: 1202 Sampling Date: 10-28-14

Sample I.D.: WCW-2 Laboratory: Alpha Analytical

Analyzed for: (TPHg) TEPHfp (VOC's) MTBE Other: See S.O.W

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141027-MM	Client: KMEP
Sampler: MM	Start Date: 10-28-14
Well I.D.: WCW-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 50.54	Depth to Water: Pre: 32.40 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: 1225 Flow Rate: 500mL/min Pump Depth: 45'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1228	22.6	6.85	2536	7	0.55	-55.5	1500	32.44
1231	22.8	6.85	2542	6	0.45	-76.7	3000	32.44
1234	23.8	6.85	2550	5	0.56	-85.7	4500	32.44
1237	24.0	6.88	2552	4	0.61	-88.1	6000	32.44
1240	24.1	6.88	2550	4	0.60	-87.4	7500	32.44
1243	24.1	6.88	2553	4	0.59	-87.1	9000	32.45

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

Sampling Time: 1244 Sampling Date: 10-28-14

Sample I.D.: WCW-3 Laboratory: Alpha Analytical

Analyzed for: (TPHg) (TPHfp) (VOC's) MTBE Other: See S.O.W

Equipment Blank I.D.: EB-1 @ Time 1256 Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141027-MM	Client: KMEP
Sampler: MM	Start Date: 10-28-14
Well I.D.: WCW-4	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 51.63	Depth to Water: Pre: 34.03 Post: 34.25
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: 1338 Flow Rate: 300 mL/min Pump Depth: 46'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1341	23.5	6.79	3454	62	0.60	-70.1	900	34.23
1344	23.9	6.79	3462	59	0.51	-77.6	1800	34.24
1347	24.6	6.79	3499	55	0.61	-85.0	2700	34.25
1350	25.0	6.78	3516	48	0.65	-86.9	3600	34.25
1353	25.1	6.78	3530	47	0.67	-86.6	4500	34.25
1356	25.2	6.78	3538	45	0.67	-90.1	5400	34.25

Did well dewater? Yes (No) Amount actually evacuated: 5400 mL

Sampling Time: 1357 Sampling Date: 10-28-14

Sample I.D.: WCW-4 Laboratory: Alpha Analytical

Analyzed for: (TPHg) (TPHfp) (VOC's) MTBE Other: See 5.0.W

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141027 - NV1	Client: KMEP
Sampler: NV	Start Date: 10-28-14
Well I.D.: WCW-5	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 50.26	Depth to Water: Pre: 29.50 Post: 29.74
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: 1421 Flow Rate: 300 mL/min Pump Depth: 45'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1424	23.4	6.85	2243	119	2.46	-17.3	900	29.71
1427	23.5	6.84	2238	127	2.31	-16.1	1800	29.72
1430	23.7	6.82	2235	165	2.36	-14.3	2700	29.73
1433	24.1	6.81	2238	131	2.26	-12.0	3600	29.73
1436	24.2	6.80	2238	134	2.22	-10.8	4500	29.74
1439	24.2	6.80	2240	130	2.20	-10.7	6000	29.74

Did well dewater? Yes (NO) Amount actually evacuated: 6000 mL
Sampling Time: 1440 Sampling Date: 10.28.14
Sample I.D.: WCW-5 Laboratory: Alpha Analytical
Analyzed for: (TPHg) (TPHfp) (VOC's) MTBE Other: See S.O.W
Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141027-NV1	Client: KMEP
Sampler: SM	Start Date: 10/28/14
Well I.D.: WCW-6	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 50.89	Depth to Water: Pre: 31.69 Post: 31.74
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: 1340 Flow Rate: 400 mL/min Pump Depth: 45'

Time	Temp. (°C) or °F	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to water
1343	22.9	7.08	3317	24	0.44	-47.7	1200	31.73
1346	23.0	7.07	3315	21	0.45	-43.4	2400	31.74
1349	23.3	7.07	3321	19	0.36	-43.0	3600	31.74
1352	23.5	7.07	3317	19	0.33	-46.0	4800	31.74
1355	23.6	7.07	3314	18	0.32	-44.5	6000	31.74

Did well dewater? Yes (No)	Amount actually evacuated: 6000 mL
Sampling Time: 1356	Sampling Date: 10/28/14
Sample I.D.: WCW-6	Laboratory: Alpha Analytical
Analyzed for: (TPHg) TPHfp (VOC's) MTBE	Other: See COC
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141027-MV1	Client: KMEP
Sampler: SD	Start Date: 10/28/14
Well I.D.: WCW-7	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 52.88	Depth to Water: Pre: 32.88 Post: 33.05
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: 1413 Flow Rate: 500 mL/min Pump Depth: 47'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1416	24.2	6.98	5189	36	2.18	30.4	1500	33.02
1419	23.8	6.98	5148	36	2.11	25.2	3000	33.04
1422	24.4	6.98	5163	34	2.07	16.7	4500	33.05
1425	24.7	6.98	5183	33	1.98	11.7	6000	33.05
1428	24.9	6.98	5195	33	1.87	9.8	7500	33.05

Did well dewater? Yes (No) Amount actually evacuated: 7500

Sampling Time: 1429 Sampling Date: 10/28/14

Sample I.D.: WCW-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 #: 141027-NV1	Client: KMEP
Sampler: SD	Start Date: 10/28/14
Well I.D.: WCW-8	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: ~~33.75~~ 51.46	Depth to Water: Pre: 33.75 Post: 33.91
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: 1152 Flow Rate: 500 mL/min Pump Depth: 45'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1155	23.1	7.08	3180	121	0.49	-14.5	1500	33.89
1158	23.8	7.06	3181	116	0.47	-22.5	3000	33.91
1201	23.5	7.07	3193	114	0.40	-26.9	4500	33.91
1204	23.8	7.07	3185	117	0.36	-31.6	6000	33.91
1207	24.0	7.07	3193	115	0.32	-35.1	7500	33.91
~~1210~~								

Did well dewater? Yes (No) Amount actually evacuated: 7500 mL

Sampling Time: 1208 Sampling Date: 10/28/14

Sample I.D.: WCW-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 #: 141027-NV1	Client: KMEP
Sampler: SD	Start Date: 10/28/14
Well I.D.: WCW-12	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 59.99	Depth to Water: Pre: 32.35 Post: 32.41
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: 1303 Flow Rate: 400 ml/min Pump Depth: 55'

Time	Temp. (°C or °F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to water
1306	22.9	7.32	2582	123	0.22	-3.3	1200	32.39
1309	23.0	7.29	2580	117	0.24	-8.9	2400	32.41
1312	23.3	7.29	2585	124	0.26	-12.1	3600	32.41
1315	23.3	7.29	2590	121	0.28	-14.5	4800	32.41
1318	23.6	7.28	2600	119	0.21	-18.5	6000	32.41

Did well dewater? Yes (No)	Amount actually evacuated: 6000 mL
Sampling Time: 1319	Sampling Date: 10/28/14
Sample I.D.: WCW-12	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 #: 141027-NV1	Client: KMEP
Sampler: SD	Start Date: 10/28/14
Well I.D.: WCW-13	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 60.36	Depth to Water: Pre: 33.67 Post: 33.75
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump (circled) Peristaltic Pump Bladder Pump
Sampling Method: Dedicated (circled) Tubing New Tubing Other ____

Start Purge Time: 1042 Flow Rate: 300 mL/min Pump Depth: 55'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1045	21.9	7.37	2439	122	1.91	224.7	900	33.75
1048	21.8	7.36	2433	110	1.39	188.0	1800	33.75
1051	21.7	7.36	2434	108	1.32	144.5	2700	33.75
1054	22.0	7.36	2433	112	1.27	140.1	3600	33.75
1057	22.2	7.37	2437	109	1.31	139.8	4500	33.75

Did well dewater? Yes (No) Amount actually evacuated: 4500

Sampling Time: 1058 Sampling Date: 10/28/14

Sample I.D.: WCW-13 Laboratory: Alpha Analytical

Analyzed for: (TRHg) TPHfp (VOC's) MTBE Other: (See COC)

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 141027-NV1	Client: KMEP
Sampler: SD	Start Date: 10/28/14
Well I.D.: WCW-14	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 58.60	Depth to Water: Pre: 34.67 Post: 34.71
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (TOC) 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: 1117 Flow Rate: 400 mL/min Pump Depth: 53'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1120	23.7	7.34	2449	10	2.16	196.4	1200	34.71
1123	23.7	7.30	2452	13	1.97	164.7	2400	34.71
1126	23.7	7.30	2453	10	1.91	150.8	3600	34.71
1129	24.1	7.29	2453	9	1.87	144.1	4800	34.71
1132	24.4	7.29	2447	9	1.94	141.6	6000 ~~5400~~ 50	34.71
1135	24.5	7.29	2449	8	1.91	137.5	7200	34.71

Did well dewater? Yes (No)	Amount actually evacuated: 7200
Sampling Time: 1136	Sampling Date: 10/28/14
Sample I.D.: WCW-14	Laboratory: Alpha Analytical
Analyzed for: (TPHg) TPHfp (VOC's) MTBE	(Other): See COC
Equipment Blank I.D.: @ Time	Duplicate I.D.:

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME KMEP @ Norwalk				PROJECT NUMBER 141027-0V1			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP. °C	INITIALS
YSI proplus	10E101738	10/28/14 0915	pH 7 10 4	7.01 10.00 4.00	✓ ✓ ✓	19.4	SD
			conductivity	3914	✓	20.4	SD
			ORP 238.0	239.0	✓	19.6	SD
			DO 100%	102.7	✓	19.3	SD
YSI proplus	10E101738	10/29/14 0715	pH 7 10 4	7.00 10.02 3.97	✓ ✓	20.3	SD
			conductivity	3905	✓	18.4	SD
			ORP 239.5	239.7	✓	19.2	SD
			DO 100%	100.4	✓	18.1	SD
YSI pro plus	10E101738	10/30/14 0710	pH 7 10 4	7.00 10.00 4.00	✓ ✓ ✓	19.6	SD
			conductivity	3906	✓	19.5	SD
			ORP 239.5	240.0	✓	17.5	SD
			DO 100%	100%	✓	17.5	SD

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME	DFSP Norwalk			PROJECT NUMBER	141027-MM		
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
YSI 556	BTS-2	10-28-14 0900	pH 7,10,4 DO 100% 3900 ORP 235.0	6.99 10.05 4.02 DO 101.2% 3905 ORP 233.7	✓	21.0	MM
		10-29-14 0710	pH 7,10,4 DO 100% 3900 ORP 235.1	6.97 10.02 4.0 DO 99.5% 3950 ORP 232.9	✓	20.9	MM
		10-30-14 0700	pH 7,10,4 DO 100% 3900 ORP 235.0	6.99 10.0 4.0 DO 101.0% 3929 ORP 235.7	✓	21.1	MM
		10-31-14 0710	pH 7,10,4 DO 100% 3900 ORP 235.3	7.01 10.02 3.99 DO 102.5% 3946 ORP 233.5	✓	21.0	MM

APPENDIX B

SEMIANNUAL EVENT LABORATORY REPORTS (CD ROM ONLY)

AMERICAN ANALYTICS

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

November 08, 2014

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

Re : DFSP Norwalk GW Sampling / 04-NDLA-001

A5331137 / 4J28004

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 10/28/14 16:30 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331137
Date Received: 10/28/14
Date Reported: 11/08/14

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8260B+OXY+TPHG					
QCTB-1	4J28004-01	Water	5	10/27/14 06:00	10/28/14 16:30
QCEB-1	4J28004-02	Water	5	10/27/14 09:00	10/28/14 16:30
GMW-5	4J28004-03	Water	5	10/27/14 09:15	10/28/14 16:30
GMW-6	4J28004-04	Water	5	10/27/14 09:55	10/28/14 16:30
GMW-16	4J28004-05	Water	5	10/27/14 10:25	10/28/14 16:30
GMW-42	4J28004-06	Water	5	10/27/14 10:55	10/28/14 16:30
GMW-43	4J28004-07	Water	5	10/27/14 11:30	10/28/14 16:30
GMW-44	4J28004-08	Water	5	10/27/14 12:00	10/28/14 16:30
GMW-56	4J28004-09	Water	5	10/27/14 12:40	10/28/14 16:30
GW-3	4J28004-10	Water	5	10/27/14 13:15	10/28/14 16:30
GW-6	4J28004-11	Water	5	10/27/14 13:40	10/28/14 16:30
MW-16	4J28004-12	Water	5	10/27/14 14:30	10/28/14 16:30
MW-17	4J28004-13	Water	5	10/27/14 15:10	10/28/14 16:30
Diesel Range Organics 8015M					
GMW-5	4J28004-03	Water	5	10/27/14 09:15	10/28/14 16:30
GMW-6	4J28004-04	Water	5	10/27/14 09:55	10/28/14 16:30
GMW-16	4J28004-05	Water	5	10/27/14 10:25	10/28/14 16:30
GMW-42	4J28004-06	Water	5	10/27/14 10:55	10/28/14 16:30

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331137
Date Received: 10/28/14
Date Reported: 11/08/14

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
GMW-43	4J28004-07	Water	5	10/27/14 11:30	10/28/14 16:30
GMW-44	4J28004-08	Water	5	10/27/14 12:00	10/28/14 16:30
GMW-56	4J28004-09	Water	5	10/27/14 12:40	10/28/14 16:30
GW-3	4J28004-10	Water	5	10/27/14 13:15	10/28/14 16:30
GW-6	4J28004-11	Water	5	10/27/14 13:40	10/28/14 16:30
MW-16	4J28004-12	Water	5	10/27/14 14:30	10/28/14 16:30
MW-17	4J28004-13	Water	5	10/27/14 15:10	10/28/14 16:30

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331137
Project No:	04-NDLA-001	**Date Received:**	10/28/14
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	11/08/14
Method:	VOCs, OXY & TPH Gasoline by GC/MS	**Units:**	ug/L

Date Sampled:	10/27/14	10/27/14	10/27/14	10/27/14	
Date Prepared:	11/03/14	11/03/14	11/03/14	11/03/14	
Date Analyzed:	11/03/14	11/03/14	11/03/14	11/03/14	
AA ID No:	4J28004-01	4J28004-02	4J28004-03	4J28004-04	
Client ID No:	QCTB-1	QCEB-1	GMW-5	GMW-6	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
8260B+OXY+TPHG (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:**	A5331137
Project No:	04-NDLA-001	**Date Received:**	10/28/14
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	11/08/14
Method:	VOCs, OXY & TPH Gasoline by GC/MS	**Units:**	ug/L

Date Sampled:	10/27/14	10/27/14	10/27/14	10/27/14	
Date Prepared:	11/03/14	11/03/14	11/03/14	11/03/14	
Date Analyzed:	11/03/14	11/03/14	11/03/14	11/03/14	
AA ID No:	4J28004-01	4J28004-02	4J28004-03	4J28004-04	
Client ID No:	QCTB-1	QCEB-1	GMW-5	GMW-6	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
8260B+OXY+TPHG (EPA 8260B) (continued)					
1,4-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
2,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
Diisopropyl ether (DIPE)	<2.0	<2.0	<2.0	<2.0	2.0
Ethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	<2.0	<2.0	<2.0	2.0
Gasoline Range Organics (GRO)	<100	<100	<100	<100	100
Hexachlorobutadiene	<1.0	<1.0	<1.0	<1.0	1.0
2-Hexanone (MBK)	<10	<10	<10	<10	10
Isopropylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
4-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<2.0	<2.0	<2.0	<2.0	2.0
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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5331137
Date Received: 10/28/14
Date Reported: 11/08/14
Units: ug/L

Date Sampled:	10/27/14	10/27/14	10/27/14	10/27/14	
Date Prepared:	11/03/14	11/03/14	11/03/14	11/03/14	
Date Analyzed:	11/03/14	11/03/14	11/03/14	11/03/14	
AA ID No:	4J28004-01	4J28004-02	4J28004-03	4J28004-04	
Client ID No:	QCTB-1	QCEB-1	GMW-5	GMW-6	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
8260B+OXY+TPHG (EPA 8260B) (continued)					
Styrene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Tetrachloroethylene (PCE)	<0.50	<0.50	<0.50	<0.50	0.50
Toluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Trichloroethylene (TCE)	<0.50	<0.50	<0.50	<0.50	0.50
Trichlorofluoromethane (R11)	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	<0.50	<0.50	<0.50	0.50
1,3,5-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Vinyl chloride	<0.50	<0.50	<0.50	<0.50	0.50
o-Xylene	<0.50	<0.50	<0.50	<0.50	0.50
m,p-Xylenes	<1.0	<1.0	<1.0	<1.0	1.0
Surrogates					**%REC Limits**
4-Bromofluorobenzene	101%	102%	103%	102%	70-140
Dibromofluoromethane	96%	95%	98%	94%	70-140
Toluene-d8	101%	103%	103%	104%	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5331137
Date Received: 10/28/14
Date Reported: 11/08/14
Units: ug/L

Date Sampled:	10/27/14	10/27/14	10/27/14	10/27/14	
Date Prepared:	11/03/14	11/03/14	11/03/14	11/04/14	
Date Analyzed:	11/03/14	11/03/14	11/04/14	11/04/14	
AA ID No:	4J28004-05	4J28004-06	4J28004-07	4J28004-08	
Client ID No:	GMW-16	GMW-42	GMW-43	GMW-44	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
8260B+OXY+TPHG (EPA 8260B)					
Acetone	<10	<10	<10	<10	10
tert-Amyl Methyl Ether (TAME)	<2.0	<2.0	<2.0	<2.0	2.0
Benzene	<0.50	<0.50	<0.50	<0.50	0.50
Bromobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Bromochloromethane	<0.50	<0.50	<0.50	<0.50	0.50
Bromodichloromethane	<0.50	<0.50	<0.50	<0.50	0.50
Bromoform	<0.50	<0.50	<0.50	<0.50	0.50
Bromomethane	<0.50	<0.50	<0.50	<0.50	0.50
2-Butanone (MEK)	<10	<10	<10	<10	10
tert-Butyl alcohol (TBA)	<10	<10	<10	<10	10
sec-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
tert-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
n-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Carbon Disulfide	<0.50	<0.50	<0.50	<0.50	0.50
Carbon Tetrachloride	<0.50	<0.50	<0.50	<0.50	0.50
Chlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Chloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Chloroform	<0.50	<0.50	<0.50	<0.50	0.50
Chloromethane	<0.50	<0.50	<0.50	<0.50	0.50
2-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	0.50
4-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dibromo-3-chloropropane	<1.0	<1.0	<1.0	<1.0	1.0
Dibromochloromethane	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dibromoethane (EDB)	<0.50	<0.50	<0.50	<0.50	0.50
Dibromomethane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5331137
Date Received: 10/28/14
Date Reported: 11/08/14
Units: ug/L

Date Sampled:	10/27/14	10/27/14	10/27/14	10/27/14	
Date Prepared:	11/03/14	11/03/14	11/03/14	11/04/14	
Date Analyzed:	11/03/14	11/03/14	11/04/14	11/04/14	
AA ID No:	4J28004-05	4J28004-06	4J28004-07	4J28004-08	
Client ID No:	GMW-16	GMW-42	GMW-43	GMW-44	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
8260B+OXY+TPHG (EPA 8260B) (continued)					
1,4-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
2,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
Diisopropyl ether (DIPE)	<2.0	<2.0	<2.0	<2.0	2.0
Ethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	<2.0	<2.0	<2.0	2.0
Gasoline Range Organics (GRO)	<100	<100	<100	<100	100
Hexachlorobutadiene	<1.0	<1.0	<1.0	<1.0	1.0
2-Hexanone (MBK)	<10	<10	<10	<10	10
Isopropylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
4-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<2.0	<2.0	<2.0	<2.0	2.0
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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5331137
Date Received: 10/28/14
Date Reported: 11/08/14
Units: ug/L

Date Sampled:	10/27/14	10/27/14	10/27/14	10/27/14	
Date Prepared:	11/03/14	11/03/14	11/03/14	11/04/14	
Date Analyzed:	11/03/14	11/03/14	11/04/14	11/04/14	
AA ID No:	4J28004-05	4J28004-06	4J28004-07	4J28004-08	
Client ID No:	GMW-16	GMW-42	GMW-43	GMW-44	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
8260B+OXY+TPHG (EPA 8260B) (continued)					
Styrene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Tetrachloroethylene (PCE)	<0.50	<0.50	<0.50	<0.50	0.50
Toluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Trichloroethylene (TCE)	<0.50	<0.50	<0.50	<0.50	0.50
Trichlorofluoromethane (R11)	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	<0.50	<0.50	<0.50	0.50
1,3,5-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Vinyl chloride	<0.50	<0.50	<0.50	<0.50	0.50
o-Xylene	<0.50	<0.50	<0.50	<0.50	0.50
m,p-Xylenes	<1.0	<1.0	<1.0	<1.0	1.0
Surrogates					**%REC Limits**
4-Bromofluorobenzene	102%	101%	102%	101%	70-140
Dibromofluoromethane	97%	96%	95%	96%	70-140
Toluene-d8	103%	101%	99%	100%	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5331137
Date Received: 10/28/14
Date Reported: 11/08/14
Units: ug/L

Date Sampled:	10/27/14	10/27/14	10/27/14	10/27/14	
Date Prepared:	11/04/14	11/04/14	11/04/14	11/04/14	
Date Analyzed:	11/04/14	11/04/14	11/04/14	11/04/14	
AA ID No:	4J28004-09	4J28004-10	4J28004-11	4J28004-12	
Client ID No:	GMW-56	GW-3	GW-6	MW-16	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
8260B+OXY+TPHG (EPA 8260B)					
Acetone	<10	<10	<10	<10	10
tert-Amyl Methyl Ether (TAME)	<2.0	<2.0	<2.0	<2.0	2.0
Benzene	<0.50	<0.50	<0.50	<0.50	0.50
Bromobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Bromochloromethane	<0.50	<0.50	<0.50	<0.50	0.50
Bromodichloromethane	<0.50	<0.50	<0.50	<0.50	0.50
Bromoform	<0.50	<0.50	<0.50	<0.50	0.50
Bromomethane	<0.50	<0.50	<0.50	<0.50	0.50
2-Butanone (MEK)	<10	<10	<10	<10	10
tert-Butyl alcohol (TBA)	<10	<10	<10	<10	10
sec-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
tert-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
n-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Carbon Disulfide	<0.50	<0.50	<0.50	<0.50	0.50
Carbon Tetrachloride	<0.50	<0.50	<0.50	<0.50	0.50
Chlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Chloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Chloroform	<0.50	<0.50	<0.50	<0.50	0.50
Chloromethane	<0.50	<0.50	<0.50	<0.50	0.50
2-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	0.50
4-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dibromo-3-chloropropane	<1.0	<1.0	<1.0	<1.0	1.0
Dibromochloromethane	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dibromoethane (EDB)	<0.50	<0.50	<0.50	<0.50	0.50
Dibromomethane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5331137
Date Received: 10/28/14
Date Reported: 11/08/14
Units: ug/L

Date Sampled:	10/27/14	10/27/14	10/27/14	10/27/14	
Date Prepared:	11/04/14	11/04/14	11/04/14	11/04/14	
Date Analyzed:	11/04/14	11/04/14	11/04/14	11/04/14	
AA ID No:	4J28004-09	4J28004-10	4J28004-11	4J28004-12	
Client ID No:	GMW-56	GW-3	GW-6	MW-16	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
8260B+OXY+TPHG (EPA 8260B) (continued)					
1,4-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
2,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
Diisopropyl ether (DIPE)	<2.0	<2.0	<2.0	<2.0	2.0
Ethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	<2.0	<2.0	<2.0	2.0
Gasoline Range Organics (GRO)	<100	<100	<100	<100	100
Hexachlorobutadiene	<1.0	<1.0	<1.0	<1.0	1.0
2-Hexanone (MBK)	<10	<10	<10	<10	10
Isopropylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
4-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<2.0	<2.0	<2.0	<2.0	2.0
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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5331137
Date Received: 10/28/14
Date Reported: 11/08/14
Units: ug/L

Date Sampled:	10/27/14	10/27/14	10/27/14	10/27/14	
Date Prepared:	11/04/14	11/04/14	11/04/14	11/04/14	
Date Analyzed:	11/04/14	11/04/14	11/04/14	11/04/14	
AA ID No:	4J28004-09	4J28004-10	4J28004-11	4J28004-12	
Client ID No:	GMW-56	GW-3	GW-6	MW-16	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
8260B+OXY+TPHG (EPA 8260B) (continued)					
Styrene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Tetrachloroethylene (PCE)	<0.50	<0.50	<0.50	<0.50	0.50
Toluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Trichloroethylene (TCE)	<0.50	<0.50	<0.50	<0.50	0.50
Trichlorofluoromethane (R11)	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	<0.50	<0.50	<0.50	0.50
1,3,5-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Vinyl chloride	<0.50	<0.50	<0.50	<0.50	0.50
o-Xylene	<0.50	<0.50	<0.50	<0.50	0.50
m,p-Xylenes	<1.0	<1.0	<1.0	<1.0	1.0
Surrogates					**%REC Limits**
4-Bromofluorobenzene	103%	103%	104%	101%	70-140
Dibromofluoromethane	98%	100%	97%	96%	70-140
Toluene-d8	100%	100%	100%	102%	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331137
Project No:	04-NDLA-001	**Date Received:**	10/28/14
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	11/08/14
Method:	VOCs, OXY & TPH Gasoline by GC/MS	**Units:**	ug/L

Date Sampled:	10/27/14	
Date Prepared:	11/04/14	
Date Analyzed:	11/04/14	
AA ID No:	4J28004-13	
Client ID No:	MW-17	
Matrix:	Water	
Dilution Factor:	1	MRL

8260B+OXY+TPHG (EPA 8260B)

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331137
Project No:	04-NDLA-001	**Date Received:**	10/28/14
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	11/08/14
Method:	VOCs, OXY & TPH Gasoline by GC/MS	**Units:**	ug/L

Date Sampled:	10/27/14	
Date Prepared:	11/04/14	
Date Analyzed:	11/04/14	
AA ID No:	4J28004-13	
Client ID No:	MW-17	
Matrix:	Water	
Dilution Factor:	1	MRL

8260B+OXY+TPHG (EPA 8260B) (continued)

1,4-Dichlorobenzene	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	0.50
1,1-Dichloroethane	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	0.50
1,1-Dichloroethylene	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	0.50
1,2-Dichloropropane	<0.50	0.50
2,2-Dichloropropane	<0.50	0.50
1,3-Dichloropropane	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	0.50
1,1-Dichloropropylene	<0.50	0.50
Diisopropyl ether (DIPE)	<2.0	2.0
Ethylbenzene	<0.50	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	2.0
Gasoline Range Organics (GRO)	<100	100
Hexachlorobutadiene	<1.0	1.0
2-Hexanone (MBK)	<10	10
Isopropylbenzene	<0.50	0.50
4-Isopropyltoluene	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0
Methylene Chloride	<5.0	5.0
4-Methyl-2-pentanone (MIBK)	<10	10
Naphthalene	<2.0	2.0
n-Propylbenzene	<0.50	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331137
Project No:	04-NDLA-001	**Date Received:**	10/28/14
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	11/08/14
Method:	VOCs, OXY & TPH Gasoline by GC/MS	**Units:**	ug/L

Date Sampled:	10/27/14	
Date Prepared:	11/04/14	
Date Analyzed:	11/04/14	
AA ID No:	4J28004-13	
Client ID No:	MW-17	
Matrix:	Water	
Dilution Factor:	1	MRL

8260B+OXY+TPHG (EPA 8260B) (continued)

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

Surrogates		**%REC Limits**
4-Bromofluorobenzene	102%	70-140
Dibromofluoromethane	96%	70-140
Toluene-d8	101%	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling
Method: Diesel Range Organics by GC/FID

AA Project No: A5331137
Date Received: 10/28/14
Date Reported: 11/08/14
Units: mg/L

Date Sampled:	10/27/14	10/27/14	10/27/14	10/27/14	
Date Prepared:	10/31/14	10/31/14	10/31/14	10/31/14	
Date Analyzed:	10/31/14	10/31/14	10/31/14	10/31/14	
AA ID No:	4J28004-03	4J28004-04	4J28004-05	4J28004-06	
Client ID No:	GMW-5	GMW-6	GMW-16	GMW-42	
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	**0.14**	**0.19**	<0.10	0.10
Surrogates					**%REC Limits**
o-Terphenyl	74%	97%	96%	115%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling
Method: Diesel Range Organics by GC/FID

AA Project No: A5331137
Date Received: 10/28/14
Date Reported: 11/08/14
Units: mg/L

Date Sampled:	10/27/14	10/27/14	10/27/14	10/27/14	
Date Prepared:	10/31/14	10/31/14	10/31/14	10/31/14	
Date Analyzed:	10/31/14	10/31/14	10/31/14	10/31/14	
AA ID No:	4J28004-07	4J28004-08	4J28004-09	4J28004-10	
Client ID No:	GMW-43	GMW-44	GMW-56	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	**0.12**	<0.10	0.10
Surrogates					**%REC Limits**
o-Terphenyl	98%	108%	102%	85%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling
Method: Diesel Range Organics by GC/FID

AA Project No: A5331137
Date Received: 10/28/14
Date Reported: 11/08/14
Units: mg/L

Date Sampled:	10/27/14	10/27/14	10/27/14	
Date Prepared:	10/31/14	10/31/14	10/31/14	
Date Analyzed:	11/01/14	11/01/14	11/01/14	
AA ID No:	4J28004-11	4J28004-12	4J28004-13	
Client ID No:	GW-6	MW-16	MW-17	
Matrix:	Water	Water	Water	
Dilution Factor:	1	1	1	MRL
Diesel Range Organics 8015M (EPA 8015M)				
Diesel Range Organics as Diesel	<0.10	<0.10	<0.10	0.10
Surrogates				**%REC Limits**
o-Terphenyl	86%	98%	84%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331137
Date Received: 10/28/14
Date Reported: 11/08/14

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 B4K0306 - EPA 5030B

Blank (B4K0306-BLK1) Prepared & Analyzed: 11/03/14

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-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331137
Date Received: 10/28/14
Date Reported: 11/08/14

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 B4K0306 - EPA 5030B										
Blank (B4K0306-BLK1) Continued				Prepared & Analyzed: 11/03/14						
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)	<2.0	2.0	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-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331137
Date Received: 10/28/14
Date Reported: 11/08/14

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 B4K0306 - EPA 5030B										
Blank (B4K0306-BLK1) Continued				Prepared & Analyzed: 11/03/14						
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	*49.9*		*ug/L*	*50*		*99.8*	*70-140*			
Surrogate: Dibromofluoromethane	*46.7*		*ug/L*	*50*		*93.4*	*70-140*			
Surrogate: Toluene-d8	*52.9*		*ug/L*	*50*		*106*	*70-140*			
LCS (B4K0306-BS1)				Prepared: 11/03/14 Analyzed: 11/04/14						
Benzene	**19.0**	0.50	ug/L	20		94.8	75-125			
Bromodichloromethane	**22.6**	0.50	ug/L	20		113	75-125			
Bromoform	**20.2**	0.50	ug/L	20		101	75-125			
Carbon Tetrachloride	**21.7**	0.50	ug/L	20		108	75-125			
Chlorobenzene	**19.6**	0.50	ug/L	20		97.8	75-125			
Chloroethane	**21.6**	0.50	ug/L	20		108	75-125			
Chloroform	**18.1**	0.50	ug/L	20		90.4	75-125			
Chloromethane	**19.7**	0.50	ug/L	20		98.4	65-125			
Dibromochloromethane	**22.1**	0.50	ug/L	20		110	75-125			
1,4-Dichlorobenzene	**19.8**	0.50	ug/L	20		99.0	75-125			
1,1-Dichloroethane	**19.5**	0.50	ug/L	20		97.3	70-125			
1,2-Dichloroethane (EDC)	**18.8**	0.50	ug/L	20		94.2	75-125			
1,1-Dichloroethylene	**16.8**	0.50	ug/L	20		84.2	70-130			
trans-1,2-Dichloroethylene	**17.6**	0.50	ug/L	20		88.0	75-125			
cis-1,2-Dichloroethylene	**17.8**	0.50	ug/L	20		89.2	75-125			
1,2-Dichloropropane	**20.7**	0.50	ug/L	20		104	75-130			
cis-1,3-Dichloropropylene	**20.6**	0.50	ug/L	20		103	75-125			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331137
Date Received: 10/28/14
Date Reported: 11/08/14

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 B4K0306 - EPA 5030B										
LCS (B4K0306-BS1) Continued				Prepared: 11/03/14 Analyzed: 11/04/14						
Ethylbenzene	**21.5**	0.50	ug/L	20		108	75-125			
Methyl-tert-Butyl Ether (MTBE)	**17.5**	2.0	ug/L	20		87.5	75-125			
Methylene Chloride	**16.8**	5.0	ug/L	20		84.0	75-130			
1,1,2,2-Tetrachloroethane	**17.2**	0.50	ug/L	20		85.9	70-135			
Tetrachloroethylene (PCE)	**21.1**	0.50	ug/L	20		106	75-125			
Toluene	**20.6**	0.50	ug/L	20		103	75-125			
1,1,1-Trichloroethane	**21.4**	0.50	ug/L	20		107	75-125			
1,1,2-Trichloroethane	**17.6**	0.50	ug/L	20		88.2	75-125			
Trichloroethylene (TCE)	**20.0**	0.50	ug/L	20		99.8	75-125			
Vinyl chloride	**24.1**	0.50	ug/L	20		121	75-125			
o-Xylene	**20.2**	0.50	ug/L	20		101	75-125			
Surrogate: 4-Bromofluorobenzene	*48.3*		*ug/L*	*50*		*96.7*	*70-140*			
Surrogate: Dibromofluoromethane	*47.4*		*ug/L*	*50*		*94.8*	*70-140*			
Surrogate: Toluene-d8	*50.3*		*ug/L*	*50*		*101*	*70-140*			
Matrix Spike (B4K0306-MS1)		**Source: 4J27004-12**		Prepared & Analyzed: 11/03/14						
Benzene	**20.1**	0.50	ug/L	20		101	70-130			
Bromoform	**23.5**	0.50	ug/L	20		117	70-130			
Chlorobenzene	**20.1**	0.50	ug/L	20		101	70-130			
Chloroform	**19.4**	0.50	ug/L	20		97.0	70-130			
1,1-Dichloroethane	**20.9**	0.50	ug/L	20		104	70-130			
1,1-Dichloroethylene	**18.3**	0.50	ug/L	20		91.4	70-130			
cis-1,2-Dichloroethylene	**18.5**	0.50	ug/L	20		92.4	70-130			
1,2-Dichloropropane	**22.0**	0.50	ug/L	20		110	70-130			
Ethylbenzene	**21.9**	0.50	ug/L	20		109	70-130			
Methyl-tert-Butyl Ether (MTBE)	**18.5**	2.0	ug/L	20		92.6	70-130			
n-Propylbenzene	**18.8**	0.50	ug/L	20		94.2	70-130			
Tetrachloroethylene (PCE)	**21.5**	0.50	ug/L	20		107	70-130			
Toluene	**20.8**	0.50	ug/L	20		104	70-130			
1,1,1-Trichloroethane	**21.7**	0.50	ug/L	20		108	70-130			
Trichloroethylene (TCE)	**20.8**	0.50	ug/L	20		104	70-130			
1,3,5-Trimethylbenzene	**19.9**	0.50	ug/L	20		99.7	70-130			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331137
Date Received: 10/28/14
Date Reported: 11/08/14

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 B4K0306 - EPA 5030B										
Matrix Spike (B4K0306-MS1) Continued Source: 4J27004-12 Prepared & Analyzed: 11/03/14										
Vinyl chloride	**25.0**	0.50	ug/L	20		125	70-130			
Surrogate: 4-Bromofluorobenzene	*48.7*		*ug/L*	*50*		*97.4*	*70-140*			
Surrogate: Dibromofluoromethane	*50.1*		*ug/L*	*50*		*100*	*70-140*			
Surrogate: Toluene-d8	*50.3*		*ug/L*	*50*		*101*	*70-140*			
Matrix Spike Dup (B4K0306-MSD1) **Source: 4J27004-12** Prepared & Analyzed: 11/03/14										
Benzene	**20.0**	0.50	ug/L	20		100	70-130	0.698	30	
Bromoform	**22.8**	0.50	ug/L	20		114	70-130	3.03	30	
Chlorobenzene	**20.1**	0.50	ug/L	20		101	70-130	0.0994	30	
Chloroform	**19.4**	0.50	ug/L	20		97.2	70-130	0.154	30	
1,1-Dichloroethane	**21.0**	0.50	ug/L	20		105	70-130	0.812	30	
1,1-Dichloroethylene	**18.9**	0.50	ug/L	20		94.4	70-130	3.23	30	
cis-1,2-Dichloroethylene	**19.5**	0.50	ug/L	20		97.5	70-130	5.32	30	
1,2-Dichloropropane	**21.5**	0.50	ug/L	20		108	70-130	2.07	30	
Ethylbenzene	**21.8**	0.50	ug/L	20		109	70-130	0.275	30	
Methyl-tert-Butyl Ether (MTBE)	**19.2**	2.0	ug/L	20		95.9	70-130	3.45	30	
n-Propylbenzene	**18.8**	0.50	ug/L	20		94.0	70-130	0.159	30	
Tetrachloroethylene (PCE)	**22.0**	0.50	ug/L	20		110	70-130	2.16	30	
Toluene	**21.0**	0.50	ug/L	20		105	70-130	1.10	30	
1,1,1-Trichloroethane	**22.2**	0.50	ug/L	20		111	70-130	2.37	30	
Trichloroethylene (TCE)	**21.1**	0.50	ug/L	20		105	70-130	1.24	30	
1,3,5-Trimethylbenzene	**19.8**	0.50	ug/L	20		99.2	70-130	0.553	30	
Vinyl chloride	**24.8**	0.50	ug/L	20		124	70-130	0.883	30	
Surrogate: 4-Bromofluorobenzene	*48.8*		*ug/L*	*50*		*97.6*	*70-140*			
Surrogate: Dibromofluoromethane	*50.2*		*ug/L*	*50*		*100*	*70-140*			
Surrogate: Toluene-d8	*50.2*		*ug/L*	*50*		*100*	*70-140*			
Batch B4K0402 - EPA 5030B										
Blank (B4K0402-BLK1) Prepared & Analyzed: 11/04/14										
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-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331137
Date Received: 10/28/14
Date Reported: 11/08/14

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 B4K0402 - EPA 5030B										
Blank (B4K0402-BLK1) Continued				Prepared & Analyzed: 11/04/14						
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-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331137
Date Received: 10/28/14
Date Reported: 11/08/14

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 B4K0402 - EPA 5030B										
Blank (B4K0402-BLK1) Continued				Prepared & Analyzed: 11/04/14						
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)	<2.0	2.0	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							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331137
Date Received: 10/28/14
Date Reported: 11/08/14

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 B4K0402 - EPA 5030B										
Blank (B4K0402-BLK1) Continued				Prepared & Analyzed: 11/04/14						
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	*49.9*		*ug/L*	*50*		*99.9*	*70-140*			
Surrogate: Dibromofluoromethane	*48.5*		*ug/L*	*50*		*97.0*	*70-140*			
Surrogate: Toluene-d8	*50.3*		*ug/L*	*50*		*101*	*70-140*			
LCS (B4K0402-BS1)				Prepared: 11/04/14 Analyzed: 11/05/14						
Benzene	**19.9**	0.50	ug/L	20		99.6	75-125			
Bromodichloromethane	**23.0**	0.50	ug/L	20		115	75-125			
Bromoform	**21.0**	0.50	ug/L	20		105	75-125			
Carbon Tetrachloride	**23.2**	0.50	ug/L	20		116	75-125			
Chlorobenzene	**20.0**	0.50	ug/L	20		100	75-125			
Chloroethane	**22.5**	0.50	ug/L	20		113	75-125			
Chloroform	**18.8**	0.50	ug/L	20		94.0	75-125			
Chloromethane	**20.0**	0.50	ug/L	20		100	65-125			
Dibromochloromethane	**22.6**	0.50	ug/L	20		113	75-125			
1,4-Dichlorobenzene	**20.6**	0.50	ug/L	20		103	75-125			
1,1-Dichloroethane	**20.7**	0.50	ug/L	20		104	70-125			
1,2-Dichloroethane (EDC)	**19.4**	0.50	ug/L	20		96.9	75-125			
1,1-Dichloroethylene	**17.9**	0.50	ug/L	20		89.4	70-130			
trans-1,2-Dichloroethylene	**18.5**	0.50	ug/L	20		92.4	75-125			
cis-1,2-Dichloroethylene	**19.2**	0.50	ug/L	20		95.9	75-125			
1,2-Dichloropropane	**21.3**	0.50	ug/L	20		106	75-130			
cis-1,3-Dichloropropylene	**21.3**	0.50	ug/L	20		106	75-125			
Ethylbenzene	**22.2**	0.50	ug/L	20		111	75-125			
Methyl-tert-Butyl Ether (MTBE)	**19.2**	2.0	ug/L	20		96.0	75-125			
Methylene Chloride	**17.0**	5.0	ug/L	20		84.8	75-130			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331137
Date Received: 10/28/14
Date Reported: 11/08/14

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 B4K0402 - EPA 5030B										
LCS (B4K0402-BS1) Continued				Prepared: 11/04/14 Analyzed: 11/05/14						
1,1,2,2-Tetrachloroethane	**18.6**	0.50	ug/L	20		93.0	70-135			
Tetrachloroethylene (PCE)	**21.9**	0.50	ug/L	20		109	75-125			
Toluene	**21.1**	0.50	ug/L	20		105	75-125			
1,1,1-Trichloroethane	**21.9**	0.50	ug/L	20		110	75-125			
1,1,2-Trichloroethane	**18.0**	0.50	ug/L	20		90.2	75-125			
Trichloroethylene (TCE)	**21.2**	0.50	ug/L	20		106	75-125			
Vinyl chloride	**23.7**	0.50	ug/L	20		119	75-125			
o-Xylene	**20.2**	0.50	ug/L	20		101	75-125			
Surrogate: 4-Bromofluorobenzene	*49.8*		*ug/L*	*50*		*99.6*	*70-140*			
Surrogate: Dibromofluoromethane	*48.3*		*ug/L*	*50*		*96.6*	*70-140*			
Surrogate: Toluene-d8	*49.7*		*ug/L*	*50*		*99.4*	*70-140*			
Matrix Spike (B4K0402-MS1)		**Source: 4J28004-08**		Prepared & Analyzed: 11/04/14						
Benzene	**19.5**	0.50	ug/L	20	<0.50	97.7	70-130			
Bromoform	**24.7**	0.50	ug/L	20	<0.50	124	70-130			
Chlorobenzene	**20.0**	0.50	ug/L	20	<0.50	99.8	70-130			
Chloroform	**19.1**	0.50	ug/L	20	<0.50	95.6	70-130			
1,1-Dichloroethane	**20.9**	0.50	ug/L	20	<0.50	105	70-130			
1,1-Dichloroethylene	**18.3**	0.50	ug/L	20	<0.50	91.6	70-130			
cis-1,2-Dichloroethylene	**18.7**	0.50	ug/L	20	<0.50	93.4	70-130			
1,2-Dichloropropane	**21.9**	0.50	ug/L	20	<0.50	109	70-130			
Ethylbenzene	**21.9**	0.50	ug/L	20	<0.50	110	70-130			
Methyl-tert-Butyl Ether (MTBE)	**19.8**	2.0	ug/L	20	<2.0	99.2	70-130			
n-Propylbenzene	**19.1**	0.50	ug/L	20	<0.50	95.5	70-130			
Tetrachloroethylene (PCE)	**21.2**	0.50	ug/L	20	<0.50	106	70-130			
Toluene	**20.8**	0.50	ug/L	20	<0.50	104	70-130			
1,1,1-Trichloroethane	**21.7**	0.50	ug/L	20	<0.50	108	70-130			
Trichloroethylene (TCE)	**21.2**	0.50	ug/L	20	<0.50	106	70-130			
1,3,5-Trimethylbenzene	**19.3**	0.50	ug/L	20	<0.50	96.3	70-130			
Vinyl chloride	**23.9**	0.50	ug/L	20	<0.50	119	70-130			
Surrogate: 4-Bromofluorobenzene	*49.9*		*ug/L*	*50*		*99.9*	*70-140*			
Surrogate: Dibromofluoromethane	*48.7*		*ug/L*	*50*		*97.5*	*70-140*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331137
Date Received: 10/28/14
Date Reported: 11/08/14

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 B4K0402 - EPA 5030B										
Matrix Spike (B4K0402-MS1) Continued Source: 4J28004-08 Prepared & Analyzed: 11/04/14										
Surrogate: Toluene-d8	*48.7*		*ug/L*	*50*		*97.5*	*70-140*			
Matrix Spike Dup (B4K0402-MSD1) **Source: 4J28004-08** Prepared & Analyzed: 11/04/14										
Benzene	**19.3**	0.50	ug/L	20	<0.50	96.4	70-130	1.29	30	
Bromoform	**24.0**	0.50	ug/L	20	<0.50	120	70-130	3.20	30	
Chlorobenzene	**19.5**	0.50	ug/L	20	<0.50	97.6	70-130	2.28	30	
Chloroform	**18.7**	0.50	ug/L	20	<0.50	93.4	70-130	2.28	30	
1,1-Dichloroethane	**20.6**	0.50	ug/L	20	<0.50	103	70-130	1.64	30	
1,1-Dichloroethylene	**18.1**	0.50	ug/L	20	<0.50	90.4	70-130	1.32	30	
cis-1,2-Dichloroethylene	**18.9**	0.50	ug/L	20	<0.50	94.3	70-130	0.905	30	
1,2-Dichloropropane	**21.8**	0.50	ug/L	20	<0.50	109	70-130	0.0458	30	
Ethylbenzene	**21.4**	0.50	ug/L	20	<0.50	107	70-130	2.26	30	
Methyl-tert-Butyl Ether (MTBE)	**19.5**	2.0	ug/L	20	<2.0	97.4	70-130	1.88	30	
n-Propylbenzene	**18.6**	0.50	ug/L	20	<0.50	92.8	70-130	2.92	30	
Tetrachloroethylene (PCE)	**21.1**	0.50	ug/L	20	<0.50	105	70-130	0.709	30	
Toluene	**20.1**	0.50	ug/L	20	<0.50	100	70-130	3.23	30	
1,1,1-Trichloroethane	**21.4**	0.50	ug/L	20	<0.50	107	70-130	1.16	30	
Trichloroethylene (TCE)	**21.2**	0.50	ug/L	20	<0.50	106	70-130	0.236	30	
1,3,5-Trimethylbenzene	**19.4**	0.50	ug/L	20	<0.50	97.0	70-130	0.776	30	
Vinyl chloride	**23.8**	0.50	ug/L	20	<0.50	119	70-130	0.335	30	
Surrogate: 4-Bromofluorobenzene	*49.1*		*ug/L*	*50*		*98.2*	*70-140*			
Surrogate: Dibromofluoromethane	*48.6*		*ug/L*	*50*		*97.2*	*70-140*			
Surrogate: Toluene-d8	*48.5*		*ug/L*	*50*		*97.0*	*70-140*			
Diesel Range Organics by GC/FID - Quality Control										
Batch B4J3101 - EPA 3510C										
Blank (B4J3101-BLK1) Prepared & Analyzed: 10/31/14										
Diesel Range Organics as Diesel	<0.10	0.10	mg/L							
Surrogate: o-Terphenyl	*0.0390*		*mg/L*	*0.040*		*97.4*	*50-150*			
LCS (B4J3101-BS1) Prepared & Analyzed: 10/31/14										
Diesel Range Organics as Diesel	**0.601**	0.10	mg/L	0.80		75.1	75-125			
Surrogate: o-Terphenyl	*0.0345*		*mg/L*	*0.040*		*86.2*	*50-150*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331137
Date Received: 10/28/14
Date Reported: 11/08/14

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Diesel Range Organics by GC/FID - Quality Control										
Batch B4J3101 - EPA 3510C										
LCS Dup (B4J3101-BSD1)				Prepared & Analyzed: 10/31/14						
Diesel Range Organics as Diesel	**0.763**	0.10	mg/L	0.80		95.3	75-125	23.8	30	
Surrogate: o-Terphenyl	*0.0477*		*mg/L*	*0.040*		*119*	*50-150*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331137
Project No:	04-NDLA-001	**Date Received:**	10/28/14
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	11/08/14

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.: 121092
70041018
Page 1 of 1

Client: The Source Group	Project Name / No.: DFSP Norwalk	Sampler's Name: David Lubben
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	8015M D								Special Instructions
QCTB-1	47 28004-01	10-27-14	600A	GW	2	X									
QCEB-1	-02	10-27-14	900A	"	2	X									
GMW-5	-03	10-27-14	915	"	4	X	X								
GMW-6	-04	10-27-14	955	"	4	X	X								
GMW-16	-05	10-27-14	1025	"	4	X	X								
GMW-42	-06	10-27-14	1055	"	4	X	X								
GMW-43	-07	10-27-14	1130	"	4	X	X								
GMW-44	-08	10-27-14	12N	"	4	X	X								
GMW-56	-09	10-27-14	1240P	"	4	X	X								
GW-3	-10	10-27-14	115P	"	4	X	X								
GW-6	-11	10-27-14	140P	"	4	X	X								
MW-16	-12	10-27-14	230P	"	4	X	X								
MW-17	-13	10-27-14	310P	"	4	X	X								

For Laboratory Use

REVIEWED
Date 10/28/14 Time 1700
TAT N Days Sign:

A.A. Project No.: A533137 / 47 28004

Relinquished by	Date	Time	Received by
	10/28/14	1500	
	10/28/14	1630	

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.

AMERICAN ANALYTICS

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

November 15, 2014

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

Re : DFSP Norwalk GW Sampling / 04-NDLA-001

A5331138 / 4J28005

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 10/28/14 16:30 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331138
Date Received: 10/28/14
Date Reported: 11/15/14

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8260B+OXY+TPHG					
QCTB-1	4J28005-01	Water	5	10/28/14 06:00	10/28/14 16:30
QCEB-1	4J28005-02	Water	5	10/28/14 07:45	10/28/14 16:30
EXP-1	4J28005-03	Water	5	10/28/14 08:40	10/28/14 16:30
EXP-3	4J28005-04	Water	5	10/28/14 09:25	10/28/14 16:30
EXP-2	4J28005-05	Water	5	10/28/14 10:10	10/28/14 16:30
GMW-41	4J28005-06	Water	5	10/28/14 11:15	10/28/14 16:30
GMW-19	4J28005-07	Water	5	10/28/14 11:55	10/28/14 16:30
DUPE-1	4J28005-08	Water	5	10/28/14 00:00	10/28/14 16:30
GMW-66	4J28005-09	Water	5	10/28/14 12:45	10/28/14 16:30
MW-13	4J28005-10	Water	5	10/28/14 13:20	10/28/14 16:30
GW-8	4J28005-11	Water	5	10/28/14 13:55	10/28/14 16:30
MW-22 MID	4J28005-12	Water	5	10/28/14 14:25	10/28/14 16:30
MW-24	4J28005-13	Water	5	10/28/14 15:00	10/28/14 16:30
DUPE-2	4J28005-14	Water	5	10/28/14 00:00	10/28/14 16:30
Diesel Range Organics 8015M					
EXP-1	4J28005-03	Water	5	10/28/14 08:40	10/28/14 16:30
EXP-3	4J28005-04	Water	5	10/28/14 09:25	10/28/14 16:30
EXP-2	4J28005-05	Water	5	10/28/14 10:10	10/28/14 16:30

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331138
Date Received: 10/28/14
Date Reported: 11/15/14

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
GMW-41	4J28005-06	Water	5	10/28/14 11:15	10/28/14 16:30
GMW-19	4J28005-07	Water	5	10/28/14 11:55	10/28/14 16:30
DUPE-1	4J28005-08	Water	5	10/28/14 00:00	10/28/14 16:30
GMW-66	4J28005-09	Water	5	10/28/14 12:45	10/28/14 16:30
MW-13	4J28005-10	Water	5	10/28/14 13:20	10/28/14 16:30
GW-8	4J28005-11	Water	5	10/28/14 13:55	10/28/14 16:30
MW-22 MID	4J28005-12	Water	5	10/28/14 14:25	10/28/14 16:30
MW-24	4J28005-13	Water	5	10/28/14 15:00	10/28/14 16:30
DUPE-2	4J28005-14	Water	5	10/28/14 00:00	10/28/14 16:30

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5331138
Date Received: 10/28/14
Date Reported: 11/15/14
Units: ug/L

Date Sampled:	10/28/14	10/28/14	10/28/14	10/28/14	
Date Prepared:	11/04/14	11/04/14	11/04/14	11/04/14	
Date Analyzed:	11/04/14	11/04/14	11/04/14	11/04/14	
AA ID No:	4J28005-01	4J28005-02	4J28005-03	4J28005-04	
Client ID No:	QCTB-1	QCEB-1	EXP-1	EXP-3	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
8260B+OXY+TPHG (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:**	A5331138
Project No:	04-NDLA-001	**Date Received:**	10/28/14
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	11/15/14
Method:	VOCs, OXY & TPH Gasoline by GC/MS	**Units:**	ug/L

Date Sampled:	10/28/14	10/28/14	10/28/14	10/28/14	
Date Prepared:	11/04/14	11/04/14	11/04/14	11/04/14	
Date Analyzed:	11/04/14	11/04/14	11/04/14	11/04/14	
AA ID No:	4J28005-01	4J28005-02	4J28005-03	4J28005-04	
Client ID No:	QCTB-1	QCEB-1	EXP-1	EXP-3	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
8260B+OXY+TPHG (EPA 8260B) (continued)					
1,4-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
2,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
Diisopropyl ether (DIPE)	<2.0	<2.0	<2.0	<2.0	2.0
Ethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	<2.0	<2.0	<2.0	2.0
Gasoline Range Organics (GRO)	<100	<100	<100	<100	100
Hexachlorobutadiene	<1.0	<1.0	<1.0	<1.0	1.0
2-Hexanone (MBK)	<10	<10	<10	<10	10
Isopropylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
4-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<2.0	<2.0	<2.0	<2.0	2.0
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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5331138
Date Received: 10/28/14
Date Reported: 11/15/14
Units: ug/L

Date Sampled:	10/28/14	10/28/14	10/28/14	10/28/14	
Date Prepared:	11/04/14	11/04/14	11/04/14	11/04/14	
Date Analyzed:	11/04/14	11/04/14	11/04/14	11/04/14	
AA ID No:	4J28005-01	4J28005-02	4J28005-03	4J28005-04	
Client ID No:	QCTB-1	QCEB-1	EXP-1	EXP-3	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
8260B+OXY+TPHG (EPA 8260B) (continued)					
Styrene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Tetrachloroethylene (PCE)	<0.50	<0.50	<0.50	<0.50	0.50
Toluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Trichloroethylene (TCE)	<0.50	<0.50	<0.50	<0.50	0.50
Trichlorofluoromethane (R11)	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	<0.50	<0.50	<0.50	0.50
1,3,5-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Vinyl chloride	<0.50	<0.50	<0.50	<0.50	0.50
o-Xylene	<0.50	<0.50	<0.50	<0.50	0.50
m,p-Xylenes	<1.0	<1.0	<1.0	<1.0	1.0
Surrogates					**%REC Limits**
4-Bromofluorobenzene	103%	102%	103%	104%	70-140
Dibromofluoromethane	95%	97%	100%	99%	70-140
Toluene-d8	102%	103%	103%	102%	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5331138
Date Received: 10/28/14
Date Reported: 11/15/14
Units: ug/L

Date Sampled:	10/28/14	10/28/14	10/28/14	10/28/14	
Date Prepared:	11/04/14	11/04/14	11/04/14	11/04/14	
Date Analyzed:	11/04/14	11/04/14	11/04/14	11/05/14	
AA ID No:	4J28005-05	4J28005-06	4J28005-07	4J28005-08	
Client ID No:	EXP-2	GMW-41	GMW-19	DUPE-1	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
8260B+OXY+TPHG (EPA 8260B)					
Acetone	<10	<10	<10	<10	10
tert-Amyl Methyl Ether (TAME)	<2.0	<2.0	<2.0	<2.0	2.0
Benzene	<0.50	<0.50	<0.50	<0.50	0.50
Bromobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Bromochloromethane	<0.50	<0.50	<0.50	<0.50	0.50
Bromodichloromethane	<0.50	<0.50	<0.50	<0.50	0.50
Bromoform	<0.50	<0.50	<0.50	<0.50	0.50
Bromomethane	<0.50	<0.50	<0.50	<0.50	0.50
2-Butanone (MEK)	<10	<10	<10	<10	10
tert-Butyl alcohol (TBA)	<10	<10	<10	<10	10
sec-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
tert-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
n-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Carbon Disulfide	<0.50	<0.50	<0.50	<0.50	0.50
Carbon Tetrachloride	<0.50	<0.50	<0.50	<0.50	0.50
Chlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Chloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Chloroform	<0.50	<0.50	<0.50	<0.50	0.50
Chloromethane	<0.50	<0.50	<0.50	<0.50	0.50
2-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	0.50
4-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dibromo-3-chloropropane	<1.0	<1.0	<1.0	<1.0	1.0
Dibromochloromethane	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dibromoethane (EDB)	<0.50	<0.50	<0.50	<0.50	0.50
Dibromomethane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5331138
Date Received: 10/28/14
Date Reported: 11/15/14
Units: ug/L

Date Sampled:	10/28/14	10/28/14	10/28/14	10/28/14	
Date Prepared:	11/04/14	11/04/14	11/04/14	11/04/14	
Date Analyzed:	11/04/14	11/04/14	11/04/14	11/05/14	
AA ID No:	4J28005-05	4J28005-06	4J28005-07	4J28005-08	
Client ID No:	EXP-2	GMW-41	GMW-19	DUPE-1	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
8260B+OXY+TPHG (EPA 8260B) (continued)					
1,4-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
2,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
Diisopropyl ether (DIPE)	<2.0	<2.0	<2.0	<2.0	2.0
Ethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	<2.0	<2.0	<2.0	2.0
Gasoline Range Organics (GRO)	<100	<100	<100	<100	100
Hexachlorobutadiene	<1.0	<1.0	<1.0	<1.0	1.0
2-Hexanone (MBK)	<10	<10	<10	<10	10
Isopropylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
4-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<2.0	<2.0	<2.0	<2.0	2.0
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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5331138
Date Received: 10/28/14
Date Reported: 11/15/14
Units: ug/L

Date Sampled:	10/28/14	10/28/14	10/28/14	10/28/14	
Date Prepared:	11/04/14	11/04/14	11/04/14	11/04/14	
Date Analyzed:	11/04/14	11/04/14	11/04/14	11/05/14	
AA ID No:	4J28005-05	4J28005-06	4J28005-07	4J28005-08	
Client ID No:	EXP-2	GMW-41	GMW-19	DUPE-1	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
8260B+OXY+TPHG (EPA 8260B) (continued)					
Styrene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Tetrachloroethylene (PCE)	<0.50	<0.50	<0.50	<0.50	0.50
Toluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Trichloroethylene (TCE)	<0.50	<0.50	<0.50	<0.50	0.50
Trichlorofluoromethane (R11)	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	<0.50	<0.50	<0.50	0.50
1,3,5-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Vinyl chloride	<0.50	<0.50	<0.50	<0.50	0.50
o-Xylene	<0.50	<0.50	<0.50	<0.50	0.50
m,p-Xylenes	<1.0	<1.0	<1.0	<1.0	1.0
Surrogates					**%REC Limits**
4-Bromofluorobenzene	104%	102%	102%	103%	70-140
Dibromofluoromethane	99%	97%	100%	99%	70-140
Toluene-d8	103%	104%	103%	101%	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5331138
Date Received: 10/28/14
Date Reported: 11/15/14
Units: ug/L

Date Sampled:	10/28/14	10/28/14	10/28/14	10/28/14	
Date Prepared:	11/04/14	11/05/14	11/05/14	11/05/14	
Date Analyzed:	11/05/14	11/05/14	11/05/14	11/05/14	
AA ID No:	4J28005-09	4J28005-10	4J28005-11	4J28005-12	
Client ID No:	GMW-66	MW-13	GW-8	MW-22 MID	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
8260B+OXY+TPHG (EPA 8260B)					
Acetone	<10	<10	<10	<10	10
tert-Amyl Methyl Ether (TAME)	<2.0	<2.0	<2.0	<2.0	2.0
Benzene	<0.50	<0.50	<0.50	<0.50	0.50
Bromobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Bromochloromethane	<0.50	<0.50	<0.50	<0.50	0.50
Bromodichloromethane	<0.50	<0.50	<0.50	<0.50	0.50
Bromoform	<0.50	<0.50	<0.50	<0.50	0.50
Bromomethane	<0.50	<0.50	<0.50	<0.50	0.50
2-Butanone (MEK)	<10	<10	<10	<10	10
tert-Butyl alcohol (TBA)	<10	<10	<10	<10	10
sec-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
tert-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
n-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Carbon Disulfide	<0.50	<0.50	<0.50	<0.50	0.50
Carbon Tetrachloride	<0.50	<0.50	<0.50	<0.50	0.50
Chlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Chloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Chloroform	<0.50	<0.50	<0.50	<0.50	0.50
Chloromethane	<0.50	<0.50	<0.50	<0.50	0.50
2-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	0.50
4-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dibromo-3-chloropropane	<1.0	<1.0	<1.0	<1.0	1.0
Dibromochloromethane	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dibromoethane (EDB)	<0.50	<0.50	<0.50	<0.50	0.50
Dibromomethane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5331138
Date Received: 10/28/14
Date Reported: 11/15/14
Units: ug/L

Date Sampled:	10/28/14	10/28/14	10/28/14	10/28/14	
Date Prepared:	11/04/14	11/05/14	11/05/14	11/05/14	
Date Analyzed:	11/05/14	11/05/14	11/05/14	11/05/14	
AA ID No:	4J28005-09	4J28005-10	4J28005-11	4J28005-12	
Client ID No:	GMW-66	MW-13	GW-8	MW-22 MID	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
8260B+OXY+TPHG (EPA 8260B) (continued)					
1,4-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	<0.50	<0.50	**8.8**	0.50
1,1-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
2,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
Diisopropyl ether (DIPE)	<2.0	<2.0	<2.0	<2.0	2.0
Ethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	<2.0	<2.0	<2.0	2.0
Gasoline Range Organics (GRO)	<100	<100	<100	<100	100
Hexachlorobutadiene	<1.0	<1.0	<1.0	<1.0	1.0
2-Hexanone (MBK)	<10	<10	<10	<10	10
Isopropylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
4-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<2.0	<2.0	<2.0	**9.1**	2.0
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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5331138
Date Received: 10/28/14
Date Reported: 11/15/14
Units: ug/L

Date Sampled:	10/28/14	10/28/14	10/28/14	10/28/14	
Date Prepared:	11/04/14	11/05/14	11/05/14	11/05/14	
Date Analyzed:	11/05/14	11/05/14	11/05/14	11/05/14	
AA ID No:	4J28005-09	4J28005-10	4J28005-11	4J28005-12	
Client ID No:	GMW-66	MW-13	GW-8	MW-22 MID	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
8260B+OXY+TPHG (EPA 8260B) (continued)					
Styrene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Tetrachloroethylene (PCE)	<0.50	<0.50	<0.50	<0.50	0.50
Toluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Trichloroethylene (TCE)	<0.50	<0.50	<0.50	<0.50	0.50
Trichlorofluoromethane (R11)	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	<0.50	<0.50	<0.50	0.50
1,3,5-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Vinyl chloride	<0.50	<0.50	<0.50	<0.50	0.50
o-Xylene	<0.50	<0.50	<0.50	<0.50	0.50
m,p-Xylenes	<1.0	<1.0	<1.0	<1.0	1.0
Surrogates					**%REC Limits**
4-Bromofluorobenzene	105%	103%	104%	102%	70-140
Dibromofluoromethane	95%	101%	99%	98%	70-140
Toluene-d8	101%	100%	99%	100%	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5331138
Date Received: 10/28/14
Date Reported: 11/15/14
Units: ug/L

Date Sampled:	10/28/14	10/28/14	
Date Prepared:	11/05/14	11/05/14	
Date Analyzed:	11/05/14	11/05/14	
AA ID No:	4J28005-13	4J28005-14	
Client ID No:	MW-24	DUPE-2	
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-001
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5331138
Date Received: 10/28/14
Date Reported: 11/15/14
Units: ug/L

Date Sampled:	10/28/14	10/28/14	
Date Prepared:	11/05/14	11/05/14	
Date Analyzed:	11/05/14	11/05/14	
AA ID No:	4J28005-13	4J28005-14	
Client ID No:	MW-24	DUPE-2	
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)	<2.0	<2.0	2.0
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-001
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5331138
Date Received: 10/28/14
Date Reported: 11/15/14
Units: ug/L

Date Sampled:	10/28/14	10/28/14	
Date Prepared:	11/05/14	11/05/14	
Date Analyzed:	11/05/14	11/05/14	
AA ID No:	4J28005-13	4J28005-14	
Client ID No:	MW-24	DUPE-2	
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	103%	105%	70-140
Dibromofluoromethane	99%	100%	70-140
Toluene-d8	101%	102%	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling
Method: Diesel Range Organics by GC/FID

AA Project No: A5331138
Date Received: 10/28/14
Date Reported: 11/15/14
Units: mg/L

Date Sampled:	10/28/14	10/28/14	10/28/14	10/28/14	
Date Prepared:	10/31/14	10/31/14	10/31/14	10/31/14	
Date Analyzed:	11/01/14	11/01/14	11/01/14	11/01/14	
AA ID No:	4J28005-03	4J28005-04	4J28005-05	4J28005-06	
Client ID No:	EXP-1	EXP-3	EXP-2	GMW-41	
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	78%	87%	85%	86%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling
Method: Diesel Range Organics by GC/FID

AA Project No: A5331138
Date Received: 10/28/14
Date Reported: 11/15/14
Units: mg/L

Date Sampled:	10/28/14	10/28/14	10/28/14	10/28/14	
Date Prepared:	10/31/14	10/31/14	10/31/14	10/31/14	
Date Analyzed:	11/01/14	11/01/14	11/01/14	11/01/14	
AA ID No:	4J28005-07	4J28005-08	4J28005-09	4J28005-10	
Client ID No:	GMW-19	DUPE-1	GMW-66	MW-13	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
Diesel Range Organics 8015M (EPA 8015M)					
Diesel Range Organics as Diesel	**0.13**	**0.12**	<0.10	**0.10**	0.10
Surrogates					**%REC Limits**
o-Terphenyl	93%	101%	106%	115%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling
Method: Diesel Range Organics by GC/FID

AA Project No: A5331138
Date Received: 10/28/14
Date Reported: 11/15/14
Units: mg/L

Date Sampled:	10/28/14	10/28/14	10/28/14	10/28/14	
Date Prepared:	11/05/14	11/05/14	11/05/14	11/05/14	
Date Analyzed:	11/05/14	11/05/14	11/05/14	11/05/14	
AA ID No:	4J28005-11	4J28005-12	4J28005-13	4J28005-14	
Client ID No:	GW-8	MW-22 MID	MW-24	DUPE-2	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
Diesel Range Organics 8015M (EPA 8015M)					
Diesel Range Organics as Diesel	**0.18**	**0.21**	**0.24**	**0.24**	0.10
Surrogates					**%REC Limits**
o-Terphenyl	109%	111%	97%	113%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331138
Date Received: 10/28/14
Date Reported: 11/15/14

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 B4K0402 - EPA 5030B										
Blank (B4K0402-BLK1)				Prepared & Analyzed: 11/04/14						
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-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331138
Date Received: 10/28/14
Date Reported: 11/15/14

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 B4K0402 - EPA 5030B										
Blank (B4K0402-BLK1) Continued				Prepared & Analyzed: 11/04/14						
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)	<2.0	2.0	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-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331138
Date Received: 10/28/14
Date Reported: 11/15/14

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 B4K0402 - EPA 5030B										
Blank (B4K0402-BLK1) Continued				Prepared & Analyzed: 11/04/14						
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	*49.9*		*ug/L*	*50*		*99.9*	*70-140*			
Surrogate: Dibromofluoromethane	*48.5*		*ug/L*	*50*		*97.0*	*70-140*			
Surrogate: Toluene-d8	*50.3*		*ug/L*	*50*		*101*	*70-140*			
LCS (B4K0402-BS1)				Prepared: 11/04/14 Analyzed: 11/05/14						
Benzene	**19.9**	0.50	ug/L	20		99.6	75-125			
Bromodichloromethane	**23.0**	0.50	ug/L	20		115	75-125			
Bromoform	**21.0**	0.50	ug/L	20		105	75-125			
Carbon Tetrachloride	**23.2**	0.50	ug/L	20		116	75-125			
Chlorobenzene	**20.0**	0.50	ug/L	20		100	75-125			
Chloroethane	**22.5**	0.50	ug/L	20		113	75-125			
Chloroform	**18.8**	0.50	ug/L	20		94.0	75-125			
Chloromethane	**20.0**	0.50	ug/L	20		100	65-125			
Dibromochloromethane	**22.6**	0.50	ug/L	20		113	75-125			
1,4-Dichlorobenzene	**20.6**	0.50	ug/L	20		103	75-125			
1,1-Dichloroethane	**20.7**	0.50	ug/L	20		104	70-125			
1,2-Dichloroethane (EDC)	**19.4**	0.50	ug/L	20		96.9	75-125			
1,1-Dichloroethylene	**17.9**	0.50	ug/L	20		89.4	70-130			
trans-1,2-Dichloroethylene	**18.5**	0.50	ug/L	20		92.4	75-125			
cis-1,2-Dichloroethylene	**19.2**	0.50	ug/L	20		95.9	75-125			
1,2-Dichloropropane	**21.3**	0.50	ug/L	20		106	75-130			
cis-1,3-Dichloropropylene	**21.3**	0.50	ug/L	20		106	75-125			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331138
Date Received: 10/28/14
Date Reported: 11/15/14

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 B4K0402 - EPA 5030B										
LCS (B4K0402-BS1) Continued				Prepared: 11/04/14 Analyzed: 11/05/14						
Ethylbenzene	**22.2**	0.50	ug/L	20		111	75-125			
Methyl-tert-Butyl Ether (MTBE)	**19.2**	2.0	ug/L	20		96.0	75-125			
Methylene Chloride	**17.0**	5.0	ug/L	20		84.8	75-130			
1,1,2,2-Tetrachloroethane	**18.6**	0.50	ug/L	20		93.0	70-135			
Tetrachloroethylene (PCE)	**21.9**	0.50	ug/L	20		109	75-125			
Toluene	**21.1**	0.50	ug/L	20		105	75-125			
1,1,1-Trichloroethane	**21.9**	0.50	ug/L	20		110	75-125			
1,1,2-Trichloroethane	**18.0**	0.50	ug/L	20		90.2	75-125			
Trichloroethylene (TCE)	**21.2**	0.50	ug/L	20		106	75-125			
Vinyl chloride	**23.7**	0.50	ug/L	20		119	75-125			
o-Xylene	**20.2**	0.50	ug/L	20		101	75-125			
Surrogate: 4-Bromofluorobenzene	*49.8*		*ug/L*	*50*		*99.6*	*70-140*			
Surrogate: Dibromofluoromethane	*48.3*		*ug/L*	*50*		*96.6*	*70-140*			
Surrogate: Toluene-d8	*49.7*		*ug/L*	*50*		*99.4*	*70-140*			
Matrix Spike (B4K0402-MS1)		**Source: 4J28004-08**		Prepared & Analyzed: 11/04/14						
Benzene	**19.5**	0.50	ug/L	20		97.7	70-130			
Bromoform	**24.7**	0.50	ug/L	20		124	70-130			
Chlorobenzene	**20.0**	0.50	ug/L	20		99.8	70-130			
Chloroform	**19.1**	0.50	ug/L	20		95.6	70-130			
1,1-Dichloroethane	**20.9**	0.50	ug/L	20		105	70-130			
1,1-Dichloroethylene	**18.3**	0.50	ug/L	20		91.6	70-130			
cis-1,2-Dichloroethylene	**18.7**	0.50	ug/L	20		93.4	70-130			
1,2-Dichloropropane	**21.9**	0.50	ug/L	20		109	70-130			
Ethylbenzene	**21.9**	0.50	ug/L	20		110	70-130			
Methyl-tert-Butyl Ether (MTBE)	**19.8**	2.0	ug/L	20		99.2	70-130			
n-Propylbenzene	**19.1**	0.50	ug/L	20		95.5	70-130			
Tetrachloroethylene (PCE)	**21.2**	0.50	ug/L	20		106	70-130			
Toluene	**20.8**	0.50	ug/L	20		104	70-130			
1,1,1-Trichloroethane	**21.7**	0.50	ug/L	20		108	70-130			
Trichloroethylene (TCE)	**21.2**	0.50	ug/L	20		106	70-130			
1,3,5-Trimethylbenzene	**19.3**	0.50	ug/L	20		96.3	70-130			

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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 B4K0402 - EPA 5030B										
Matrix Spike (B4K0402-MS1) Continued Source: 4J28004-08 Prepared & Analyzed: 11/04/14										
Vinyl chloride	**23.9**	0.50	ug/L	20		119	70-130			
Surrogate: 4-Bromofluorobenzene	*49.9*		*ug/L*	*50*		*99.9*	*70-140*			
Surrogate: Dibromofluoromethane	*48.7*		*ug/L*	*50*		*97.5*	*70-140*			
Surrogate: Toluene-d8	*48.7*		*ug/L*	*50*		*97.5*	*70-140*			
Matrix Spike Dup (B4K0402-MSD1) **Source: 4J28004-08** Prepared & Analyzed: 11/04/14										
Benzene	**19.3**	0.50	ug/L	20		96.4	70-130	1.29	30	
Bromoform	**24.0**	0.50	ug/L	20		120	70-130	3.20	30	
Chlorobenzene	**19.5**	0.50	ug/L	20		97.6	70-130	2.28	30	
Chloroform	**18.7**	0.50	ug/L	20		93.4	70-130	2.28	30	
1,1-Dichloroethane	**20.6**	0.50	ug/L	20		103	70-130	1.64	30	
1,1-Dichloroethylene	**18.1**	0.50	ug/L	20		90.4	70-130	1.32	30	
cis-1,2-Dichloroethylene	**18.9**	0.50	ug/L	20		94.3	70-130	0.905	30	
1,2-Dichloropropane	**21.8**	0.50	ug/L	20		109	70-130	0.0458	30	
Ethylbenzene	**21.4**	0.50	ug/L	20		107	70-130	2.26	30	
Methyl-tert-Butyl Ether (MTBE)	**19.5**	2.0	ug/L	20		97.4	70-130	1.88	30	
n-Propylbenzene	**18.6**	0.50	ug/L	20		92.8	70-130	2.92	30	
Tetrachloroethylene (PCE)	**21.1**	0.50	ug/L	20		105	70-130	0.709	30	
Toluene	**20.1**	0.50	ug/L	20		100	70-130	3.23	30	
1,1,1-Trichloroethane	**21.4**	0.50	ug/L	20		107	70-130	1.16	30	
Trichloroethylene (TCE)	**21.2**	0.50	ug/L	20		106	70-130	0.236	30	
1,3,5-Trimethylbenzene	**19.4**	0.50	ug/L	20		97.0	70-130	0.776	30	
Vinyl chloride	**23.8**	0.50	ug/L	20		119	70-130	0.335	30	
Surrogate: 4-Bromofluorobenzene	*49.1*		*ug/L*	*50*		*98.2*	*70-140*			
Surrogate: Dibromofluoromethane	*48.6*		*ug/L*	*50*		*97.2*	*70-140*			
Surrogate: Toluene-d8	*48.5*		*ug/L*	*50*		*97.0*	*70-140*			
Batch B4K0502 - EPA 5030B										
Blank (B4K0502-BLK1) Prepared & Analyzed: 11/05/14										
Acetone	<10	10	ug/L							
tert-Amyl Methyl Ether (TAME)	<2.0	2.0	ug/L							
Benzene	<0.50	0.50	ug/L							

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Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331138
Date Received: 10/28/14
Date Reported: 11/15/14

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 B4K0502 - EPA 5030B										
Blank (B4K0502-BLK1) Continued				Prepared & Analyzed: 11/05/14						
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							

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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 B4K0502 - EPA 5030B										
Blank (B4K0502-BLK1) Continued				Prepared & Analyzed: 11/05/14						
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)	<2.0	2.0	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							

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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 B4K0502 - EPA 5030B										
Blank (B4K0502-BLK1) Continued				Prepared & Analyzed: 11/05/14						
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	*50.6*		*ug/L*	*50*		*101*	*70-140*			
Surrogate: Dibromofluoromethane	*48.0*		*ug/L*	*50*		*96.1*	*70-140*			
Surrogate: Toluene-d8	*50.0*		*ug/L*	*50*		*100*	*70-140*			
LCS (B4K0502-BS1)				Prepared: 11/05/14 Analyzed: 11/06/14						
Benzene	**19.8**	0.50	ug/L	20		99.1	75-125			
Bromodichloromethane	**22.2**	0.50	ug/L	20		111	75-125			
Bromoform	**18.7**	0.50	ug/L	20		93.5	75-125			
Carbon Tetrachloride	**23.3**	0.50	ug/L	20		116	75-125			
Chlorobenzene	**19.8**	0.50	ug/L	20		99.1	75-125			
Chloroethane	**22.6**	0.50	ug/L	20		113	75-125			
Chloroform	**18.8**	0.50	ug/L	20		94.0	75-125			
Chloromethane	**18.8**	0.50	ug/L	20		93.8	65-125			
Dibromochloromethane	**20.8**	0.50	ug/L	20		104	75-125			
1,4-Dichlorobenzene	**20.2**	0.50	ug/L	20		101	75-125			
1,1-Dichloroethane	**20.8**	0.50	ug/L	20		104	70-125			
1,2-Dichloroethane (EDC)	**19.1**	0.50	ug/L	20		95.4	75-125			
1,1-Dichloroethylene	**18.3**	0.50	ug/L	20		91.6	70-130			
trans-1,2-Dichloroethylene	**18.9**	0.50	ug/L	20		94.3	75-125			
cis-1,2-Dichloroethylene	**18.6**	0.50	ug/L	20		92.8	75-125			
1,2-Dichloropropane	**21.0**	0.50	ug/L	20		105	75-130			
cis-1,3-Dichloropropylene	**21.6**	0.50	ug/L	20		108	75-125			
Ethylbenzene	**22.2**	0.50	ug/L	20		111	75-125			
Methyl-tert-Butyl Ether (MTBE)	**17.3**	2.0	ug/L	20		86.5	75-125			
Methylene Chloride	**17.4**	5.0	ug/L	20		86.8	75-130			

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VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
Batch B4K0502 - EPA 5030B										
LCS (B4K0502-BS1) Continued				Prepared: 11/05/14 Analyzed: 11/06/14						
1,1,2,2-Tetrachloroethane	**16.3**	0.50	ug/L	20		81.6	70-135			
Tetrachloroethylene (PCE)	**21.8**	0.50	ug/L	20		109	75-125			
Toluene	**21.3**	0.50	ug/L	20		106	75-125			
1,1,1-Trichloroethane	**22.0**	0.50	ug/L	20		110	75-125			
1,1,2-Trichloroethane	**17.4**	0.50	ug/L	20		87.0	75-125			
Trichloroethylene (TCE)	**20.8**	0.50	ug/L	20		104	75-125			
Vinyl chloride	**24.1**	0.50	ug/L	20		120	75-125			
o-Xylene	**20.1**	0.50	ug/L	20		100	75-125			
Surrogate: 4-Bromofluorobenzene	*48.6*		*ug/L*	*50*		*97.1*	*70-140*			
Surrogate: Dibromofluoromethane	*48.3*		*ug/L*	*50*		*96.6*	*70-140*			
Surrogate: Toluene-d8	*50.6*		*ug/L*	*50*		*101*	*70-140*			
Matrix Spike (B4K0502-MS1)		**Source: 4J28005-10**		Prepared & Analyzed: 11/05/14						
Benzene	**20.0**	0.50	ug/L	20	<0.50	100	70-130			
Bromoform	**24.5**	0.50	ug/L	20	<0.50	123	70-130			
Chlorobenzene	**19.7**	0.50	ug/L	20	<0.50	98.7	70-130			
Chloroform	**19.2**	0.50	ug/L	20	<0.50	95.8	70-130			
1,1-Dichloroethane	**20.8**	0.50	ug/L	20	<0.50	104	70-130			
1,1-Dichloroethylene	**18.6**	0.50	ug/L	20	<0.50	93.1	70-130			
cis-1,2-Dichloroethylene	**18.9**	0.50	ug/L	20	<0.50	94.6	70-130			
1,2-Dichloropropane	**22.6**	0.50	ug/L	20	<0.50	113	70-130			
Ethylbenzene	**21.7**	0.50	ug/L	20	<0.50	108	70-130			
Methyl-tert-Butyl Ether (MTBE)	**20.2**	2.0	ug/L	20	<2.0	101	70-130			
n-Propylbenzene	**19.2**	0.50	ug/L	20	<0.50	96.0	70-130			
Tetrachloroethylene (PCE)	**21.3**	0.50	ug/L	20	<0.50	107	70-130			
Toluene	**20.8**	0.50	ug/L	20	<0.50	104	70-130			
1,1,1-Trichloroethane	**22.2**	0.50	ug/L	20	<0.50	111	70-130			
Trichloroethylene (TCE)	**21.3**	0.50	ug/L	20	<0.50	107	70-130			
1,3,5-Trimethylbenzene	**19.8**	0.50	ug/L	20	<0.50	99.2	70-130			
Vinyl chloride	**23.9**	0.50	ug/L	20	<0.50	120	70-130			
Surrogate: 4-Bromofluorobenzene	*50.8*		*ug/L*	*50*		*102*	*70-140*			
Surrogate: Dibromofluoromethane	*50.2*		*ug/L*	*50*		*100*	*70-140*			

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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 B4K0502 - EPA 5030B										
Matrix Spike (B4K0502-MS1) Continued Source: 4J28005-10 Prepared & Analyzed: 11/05/14										
Surrogate: Toluene-d8	*49.2*		*ug/L*	*50*		*98.3*	*70-140*			
Matrix Spike Dup (B4K0502-MSD1) **Source: 4J28005-10** Prepared & Analyzed: 11/05/14										
Benzene	**20.0**	0.50	ug/L	20	<0.50	100	70-130	0.200	30	
Bromoform	**23.2**	0.50	ug/L	20	<0.50	116	70-130	5.48	30	
Chlorobenzene	**19.8**	0.50	ug/L	20	<0.50	99.1	70-130	0.404	30	
Chloroform	**19.1**	0.50	ug/L	20	<0.50	95.6	70-130	0.209	30	
1,1-Dichloroethane	**20.9**	0.50	ug/L	20	<0.50	104	70-130	0.336	30	
1,1-Dichloroethylene	**18.3**	0.50	ug/L	20	<0.50	91.6	70-130	1.62	30	
cis-1,2-Dichloroethylene	**19.2**	0.50	ug/L	20	<0.50	95.8	70-130	1.37	30	
1,2-Dichloropropane	**22.1**	0.50	ug/L	20	<0.50	110	70-130	2.46	30	
Ethylbenzene	**21.4**	0.50	ug/L	20	<0.50	107	70-130	1.35	30	
Methyl-tert-Butyl Ether (MTBE)	**20.1**	2.0	ug/L	20	<2.0	101	70-130	0.446	30	
n-Propylbenzene	**19.2**	0.50	ug/L	20	<0.50	96.0	70-130	0.104	30	
Tetrachloroethylene (PCE)	**20.5**	0.50	ug/L	20	<0.50	102	70-130	4.07	30	
Toluene	**20.3**	0.50	ug/L	20	<0.50	102	70-130	2.29	30	
1,1,1-Trichloroethane	**22.2**	0.50	ug/L	20	<0.50	111	70-130	0.225	30	
Trichloroethylene (TCE)	**21.0**	0.50	ug/L	20	<0.50	105	70-130	1.27	30	
1,3,5-Trimethylbenzene	**19.8**	0.50	ug/L	20	<0.50	98.8	70-130	0.303	30	
Vinyl chloride	**24.2**	0.50	ug/L	20	<0.50	121	70-130	1.20	30	
Surrogate: 4-Bromofluorobenzene	*50.2*		*ug/L*	*50*		*100*	*70-140*			
Surrogate: Dibromofluoromethane	*50.0*		*ug/L*	*50*		*100*	*70-140*			
Surrogate: Toluene-d8	*48.9*		*ug/L*	*50*		*97.7*	*70-140*			
Diesel Range Organics by GC/FID - Quality Control										
Batch B4J3101 - EPA 3510C										
Blank (B4J3101-BLK1) Prepared & Analyzed: 10/31/14										
Diesel Range Organics as Diesel	<0.10	0.10	mg/L							
Surrogate: o-Terphenyl	*0.0390*		*mg/L*	*0.040*		*97.4*	*50-150*			
LCS (B4J3101-BS1) Prepared & Analyzed: 10/31/14										
Diesel Range Organics as Diesel	**0.601**	0.10	mg/L	0.80		75.1	75-125			
Surrogate: o-Terphenyl	*0.0345*		*mg/L*	*0.040*		*86.2*	*50-150*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331138
Date Received: 10/28/14
Date Reported: 11/15/14

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Diesel Range Organics by GC/FID - Quality Control										
Batch B4J3101 - EPA 3510C										
LCS Dup (B4J3101-BSD1)				Prepared & Analyzed: 10/31/14						
Diesel Range Organics as Diesel	**0.763**	0.10	mg/L	0.80		95.3	75-125	23.8	30	
Surrogate: o-Terphenyl	*0.0477*		*mg/L*	*0.040*		*119*	*50-150*			
Batch B4K0501 - EPA 3510C										
Blank (B4K0501-BLK1)				Prepared & Analyzed: 11/05/14						
Diesel Range Organics as Diesel	<0.10	0.10	mg/L							
Surrogate: o-Terphenyl	*0.0357*		*mg/L*	*0.040*		*89.3*	*50-150*			
LCS (B4K0501-BS1)				Prepared & Analyzed: 11/05/14						
Diesel Range Organics as Diesel	**0.749**	0.10	mg/L	0.80		93.6	75-125			
Surrogate: o-Terphenyl	*0.0481*		*mg/L*	*0.040*		*120*	*50-150*			
LCS Dup (B4K0501-BSD1)				Prepared & Analyzed: 11/05/14						
Diesel Range Organics as Diesel	**0.664**	0.10	mg/L	0.80		82.9	75-125	12.1	30	
Surrogate: o-Terphenyl	*0.0482*		*mg/L*	*0.040*		*120*	*50-150*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331138
Project No:	04-NDLA-001	**Date Received:**	10/28/14
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	11/15/14

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.: 121093
70041019
Page 1 of 1

Client:	The Source Group	**Project Name / No.:**	DFSP Norwalk	**Sampler's Name:**	Dan Swensson
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	8015M D									Special Instructions
QCTB-1	A728005-01	10-28-14	600A	GW	2	X										
QCEB-1	-02	10-28-14	745A	GW	2	X										
EXP-1	-03	10-28-14	840A	GW	4	X	X									
EXP-3	-04	10-28-14	925A	GW	4	X	X									
EXP-2	-05	10-28-14	1010A	GW	4	X	X									
GMW-11	-06	10-28-14	1115	GW	4	X	X									
GMW-19	-07	10-28-14	1155	GW	4	X	X									
DUPE-1	-08	10-28-14		GW	4	X	X									
GMW-66	-09	10-28-14	1245	GW	4	X	X									
MW-13	-10	10-28-14	120	GW	4	X	X									
GW-8	-11	10-28-14	155	GW	4	X	X									
MW-22 MID	-12	10-28-14	225	GW	4	X	X									
MW-24	-13	10-28-14	300	GW	4	X	X									
DUPE-2	-14	10-28-14		GW	4	X	X									

For Laboratory Use

REVIEWED
Date 10/28/14 Time 1700
TAT N Days Sign:

A.A. Project No.: A533113 8/ 728005

Relinquished by	Date	Time	Received by
	10-28-14	1500	
Relinquished by	10/28/14	1630	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.

AMERICAN ANALYTICS

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

November 15, 2014

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

Re : DFSP Norwalk GW Sampling / 04-NDLA-001

A5331141 / 4J30006

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 10/30/14 16:23 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-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331141
Date Received: 10/30/14
Date Reported: 11/15/14

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8260B+OXY+TPHG					
QCTB-1	4J30006-01	Water	5	10/29/14 06:00	10/30/14 16:23
QCEB-1	4J30006-02	Water	5	10/29/14 07:30	10/30/14 16:23
MW-27	4J30006-03	Water	5	10/29/14 08:05	10/30/14 16:23
GMW-31	4J30006-04	Water	5	10/29/14 08:40	10/30/14 16:23
GMW-40	4J30006-05	Water	5	10/29/14 09:15	10/30/14 16:23
DUPE-1	4J30006-06	Water	5	10/29/14 00:00	10/30/14 16:23
GMW-57	4J30006-07	Water	5	10/29/14 09:50	10/30/14 16:23
GMW-61	4J30006-08	Water	5	10/29/14 10:20	10/30/14 16:23
TF-8	4J30006-09	Water	5	10/29/14 10:55	10/30/14 16:23
TF-24	4J30006-10	Water	5	10/29/14 11:25	10/30/14 16:23
GMW-12	4J30006-11	Water	5	10/29/14 11:55	10/30/14 16:23
GMW-47	4J30006-12	Water	5	10/29/14 12:30	10/30/14 16:23
GMW-58	4J30006-13	Water	5	10/29/14 13:00	10/30/14 16:23
DUPE-2	4J30006-14	Water	5	10/29/14 00:00	10/30/14 16:23
Diesel Range Organics 8015M					
MW-27	4J30006-03	Water	5	10/29/14 08:05	10/30/14 16:23
GMW-31	4J30006-04	Water	5	10/29/14 08:40	10/30/14 16:23
GMW-40	4J30006-05	Water	5	10/29/14 09:15	10/30/14 16:23

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331141
Date Received: 10/30/14
Date Reported: 11/15/14

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
DUPE-1	4J30006-06	Water	5	10/29/14 00:00	10/30/14 16:23
GMW-57	4J30006-07	Water	5	10/29/14 09:50	10/30/14 16:23
GMW-61	4J30006-08	Water	5	10/29/14 10:20	10/30/14 16:23
TF-8	4J30006-09	Water	5	10/29/14 10:55	10/30/14 16:23
TF-24	4J30006-10	Water	5	10/29/14 11:25	10/30/14 16:23
GMW-12	4J30006-11	Water	5	10/29/14 11:55	10/30/14 16:23
GMW-47	4J30006-12	Water	5	10/29/14 12:30	10/30/14 16:23
GMW-58	4J30006-13	Water	5	10/29/14 13:00	10/30/14 16:23
DUPE-2	4J30006-14	Water	5	10/29/14 00:00	10/30/14 16:23

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331141
Project No:	04-NDLA-001	**Date Received:**	10/30/14
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	11/15/14
Method:	VOCs, OXY & TPH Gasoline by GC/MS	**Units:**	ug/L

Date Sampled:	10/29/14	10/29/14	10/29/14	10/29/14	
Date Prepared:	11/05/14	11/05/14	11/05/14	11/05/14	
Date Analyzed:	11/05/14	11/05/14	11/05/14	11/05/14	
AA ID No:	4J30006-01	4J30006-02	4J30006-03	4J30006-04	
Client ID No:	QCTB-1	QCEB-1	MW-27	GMW-31	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
8260B+OXY+TPHG (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	**0.63**	<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:**	A5331141
Project No:	04-NDLA-001	**Date Received:**	10/30/14
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	11/15/14
Method:	VOCs, OXY & TPH Gasoline by GC/MS	**Units:**	ug/L

Date Sampled:	10/29/14	10/29/14	10/29/14	10/29/14	
Date Prepared:	11/05/14	11/05/14	11/05/14	11/05/14	
Date Analyzed:	11/05/14	11/05/14	11/05/14	11/05/14	
AA ID No:	4J30006-01	4J30006-02	4J30006-03	4J30006-04	
Client ID No:	QCTB-1	QCEB-1	MW-27	GMW-31	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
8260B+OXY+TPHG (EPA 8260B) (continued)					
1,4-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
2,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
Diisopropyl ether (DIPE)	<2.0	<2.0	<2.0	<2.0	2.0
Ethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	<2.0	<2.0	<2.0	2.0
Gasoline Range Organics (GRO)	<100	**180**	<100	<100	100
Hexachlorobutadiene	<1.0	<1.0	<1.0	<1.0	1.0
2-Hexanone (MBK)	<10	<10	<10	<10	10
Isopropylbenzene	<0.50	**0.54**	<0.50	<0.50	0.50
4-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<2.0	<2.0	<2.0	<2.0	2.0
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	**0.92**	<0.50	<0.50	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5331141
Date Received: 10/30/14
Date Reported: 11/15/14
Units: ug/L

Date Sampled:	10/29/14	10/29/14	10/29/14	10/29/14	
Date Prepared:	11/05/14	11/05/14	11/05/14	11/05/14	
Date Analyzed:	11/05/14	11/05/14	11/05/14	11/05/14	
AA ID No:	4J30006-01	4J30006-02	4J30006-03	4J30006-04	
Client ID No:	QCTB-1	QCEB-1	MW-27	GMW-31	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
8260B+OXY+TPHG (EPA 8260B) (continued)					
Styrene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Tetrachloroethylene (PCE)	<0.50	<0.50	<0.50	<0.50	0.50
Toluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Trichloroethylene (TCE)	<0.50	<0.50	<0.50	<0.50	0.50
Trichlorofluoromethane (R11)	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	<0.50	<0.50	<0.50	0.50
1,3,5-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Vinyl chloride	<0.50	<0.50	<0.50	<0.50	0.50
o-Xylene	<0.50	<0.50	<0.50	<0.50	0.50
m,p-Xylenes	<1.0	<1.0	<1.0	<1.0	1.0
Surrogates					**%REC Limits**
4-Bromofluorobenzene	107%	100%	100%	103%	70-140
Dibromofluoromethane	96%	94%	94%	97%	70-140
Toluene-d8	101%	102%	103%	102%	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5331141
Date Received: 10/30/14
Date Reported: 11/15/14
Units: ug/L

Date Sampled:	10/29/14	10/29/14	10/29/14	10/29/14	
Date Prepared:	11/05/14	11/05/14	11/05/14	11/05/14	
Date Analyzed:	11/05/14	11/05/14	11/05/14	11/06/14	
AA ID No:	4J30006-05	4J30006-06	4J30006-07	4J30006-08	
Client ID No:	GMW-40	DUPE-1	GMW-57	GMW-61	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
8260B+OXY+TPHG (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	**110**	10
sec-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
tert-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
n-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Carbon Disulfide	<0.50	<0.50	<0.50	<0.50	0.50
Carbon Tetrachloride	<0.50	<0.50	<0.50	<0.50	0.50
Chlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Chloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Chloroform	<0.50	<0.50	<0.50	<0.50	0.50
Chloromethane	<0.50	<0.50	<0.50	<0.50	0.50
2-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	0.50
4-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dibromo-3-chloropropane	<1.0	<1.0	<1.0	<1.0	1.0
Dibromochloromethane	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dibromoethane (EDB)	<0.50	<0.50	<0.50	<0.50	0.50
Dibromomethane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5331141
Date Received: 10/30/14
Date Reported: 11/15/14
Units: ug/L

Date Sampled:	10/29/14	10/29/14	10/29/14	10/29/14	
Date Prepared:	11/05/14	11/05/14	11/05/14	11/05/14	
Date Analyzed:	11/05/14	11/05/14	11/05/14	11/06/14	
AA ID No:	4J30006-05	4J30006-06	4J30006-07	4J30006-08	
Client ID No:	GMW-40	DUPE-1	GMW-57	GMW-61	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
8260B+OXY+TPHG (EPA 8260B) (continued)					
1,4-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethane	<0.50	<0.50	**0.56**	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
2,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
Diisopropyl ether (DIPE)	<2.0	<2.0	<2.0	<2.0	2.0
Ethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	<2.0	<2.0	<2.0	2.0
Gasoline Range Organics (GRO)	<100	<100	**140**	**120**	100
Hexachlorobutadiene	<1.0	<1.0	<1.0	<1.0	1.0
2-Hexanone (MBK)	<10	<10	<10	<10	10
Isopropylbenzene	<0.50	<0.50	**2.8**	**0.66**	0.50
4-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<2.0	<2.0	<2.0	<2.0	2.0
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	**0.92**	<0.50	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5331141
Date Received: 10/30/14
Date Reported: 11/15/14
Units: ug/L

Date Sampled:	10/29/14	10/29/14	10/29/14	10/29/14	
Date Prepared:	11/05/14	11/05/14	11/05/14	11/05/14	
Date Analyzed:	11/05/14	11/05/14	11/05/14	11/06/14	
AA ID No:	4J30006-05	4J30006-06	4J30006-07	4J30006-08	
Client ID No:	GMW-40	DUPE-1	GMW-57	GMW-61	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
8260B+OXY+TPHG (EPA 8260B) (continued)					
Styrene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Tetrachloroethylene (PCE)	<0.50	<0.50	<0.50	<0.50	0.50
Toluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Trichloroethylene (TCE)	<0.50	<0.50	<0.50	<0.50	0.50
Trichlorofluoromethane (R11)	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	<0.50	<0.50	<0.50	0.50
1,3,5-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Vinyl chloride	<0.50	<0.50	<0.50	<0.50	0.50
o-Xylene	<0.50	<0.50	<0.50	<0.50	0.50
m,p-Xylenes	<1.0	<1.0	<1.0	<1.0	1.0
Surrogates					**%REC Limits**
4-Bromofluorobenzene	102%	103%	103%	100%	70-140
Dibromofluoromethane	96%	95%	98%	96%	70-140
Toluene-d8	101%	102%	102%	102%	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5331141
Date Received: 10/30/14
Date Reported: 11/15/14
Units: ug/L

Date Sampled:	10/29/14	10/29/14	10/29/14	10/29/14	
Date Prepared:	11/05/14	11/10/14	11/10/14	11/10/14	
Date Analyzed:	11/06/14	11/10/14	11/10/14	11/10/14	
AA ID No:	4J30006-09	4J30006-10	4J30006-11	4J30006-12	
Client ID No:	TF-8	TF-24	GMW-12	GMW-47	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
8260B+OXY+TPHG (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	**130**	10
sec-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
tert-Butylbenzene	<0.50	<0.50	<0.50	**0.53**	0.50
n-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Carbon Disulfide	<0.50	<0.50	<0.50	<0.50	0.50
Carbon Tetrachloride	<0.50	<0.50	<0.50	<0.50	0.50
Chlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Chloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Chloroform	<0.50	<0.50	<0.50	<0.50	0.50
Chloromethane	<0.50	<0.50	<0.50	<0.50	0.50
2-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	0.50
4-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dibromo-3-chloropropane	<1.0	<1.0	<1.0	<1.0	1.0
Dibromochloromethane	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dibromoethane (EDB)	<0.50	<0.50	<0.50	<0.50	0.50
Dibromomethane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5331141
Date Received: 10/30/14
Date Reported: 11/15/14
Units: ug/L

Date Sampled:	10/29/14	10/29/14	10/29/14	10/29/14	
Date Prepared:	11/05/14	11/10/14	11/10/14	11/10/14	
Date Analyzed:	11/06/14	11/10/14	11/10/14	11/10/14	
AA ID No:	4J30006-09	4J30006-10	4J30006-11	4J30006-12	
Client ID No:	TF-8	TF-24	GMW-12	GMW-47	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
8260B+OXY+TPHG (EPA 8260B) (continued)					
1,4-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethane	<0.50	<0.50	<0.50	**0.66**	0.50
1,2-Dichloroethane (EDC)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
2,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
Diisopropyl ether (DIPE)	<2.0	<2.0	<2.0	<2.0	2.0
Ethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	<2.0	<2.0	<2.0	2.0
Gasoline Range Organics (GRO)	<100	<100	<100	<100	100
Hexachlorobutadiene	<1.0	<1.0	<1.0	<1.0	1.0
2-Hexanone (MBK)	<10	<10	<10	<10	10
Isopropylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
4-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<2.0	<2.0	<2.0	**5.8**	2.0
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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5331141
Date Received: 10/30/14
Date Reported: 11/15/14
Units: ug/L

Date Sampled:	10/29/14	10/29/14	10/29/14	10/29/14	
Date Prepared:	11/05/14	11/10/14	11/10/14	11/10/14	
Date Analyzed:	11/06/14	11/10/14	11/10/14	11/10/14	
AA ID No:	4J30006-09	4J30006-10	4J30006-11	4J30006-12	
Client ID No:	TF-8	TF-24	GMW-12	GMW-47	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
8260B+OXY+TPHG (EPA 8260B) (continued)					
Styrene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Tetrachloroethylene (PCE)	<0.50	<0.50	<0.50	<0.50	0.50
Toluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Trichloroethylene (TCE)	<0.50	<0.50	<0.50	<0.50	0.50
Trichlorofluoromethane (R11)	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	<0.50	<0.50	<0.50	0.50
1,3,5-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Vinyl chloride	<0.50	<0.50	<0.50	<0.50	0.50
o-Xylene	<0.50	<0.50	<0.50	<0.50	0.50
m,p-Xylenes	<1.0	<1.0	<1.0	<1.0	1.0
Surrogates					**%REC Limits**
4-Bromofluorobenzene	101%	100%	102%	102%	70-140
Dibromofluoromethane	95%	98%	98%	99%	70-140
Toluene-d8	102%	101%	102%	101%	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5331141
Date Received: 10/30/14
Date Reported: 11/15/14
Units: ug/L

Date Sampled:	10/29/14	10/29/14	
Date Prepared:	11/10/14	11/10/14	
Date Analyzed:	11/10/14	11/10/14	
AA ID No:	4J30006-13	4J30006-14	
Client ID No:	GMW-58	DUPE-2	
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	**37**	**36**	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	**0.88**	**0.86**	0.50
tert-Butylbenzene	**0.52**	**0.54**	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-001
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5331141
Date Received: 10/30/14
Date Reported: 11/15/14
Units: ug/L

Date Sampled:	10/29/14	10/29/14	
Date Prepared:	11/10/14	11/10/14	
Date Analyzed:	11/10/14	11/10/14	
AA ID No:	4J30006-13	4J30006-14	
Client ID No:	GMW-58	DUPE-2	
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)	**280**	**260**	100
Hexachlorobutadiene	<1.0	<1.0	1.0
2-Hexanone (MBK)	<10	<10	10
Isopropylbenzene	**6.8**	**7.0**	0.50
4-Isopropyltoluene	<1.0	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<2.0	<2.0	2.0
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	**3.4**	**3.5**	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331141
Project No:	04-NDLA-001	**Date Received:**	10/30/14
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	11/15/14
Method:	VOCs, OXY & TPH Gasoline by GC/MS	**Units:**	ug/L

Date Sampled:	10/29/14	10/29/14	
Date Prepared:	11/10/14	11/10/14	
Date Analyzed:	11/10/14	11/10/14	
AA ID No:	4J30006-13	4J30006-14	
Client ID No:	GMW-58	DUPE-2	
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	100%	101%	70-140
Dibromofluoromethane	96%	94%	70-140
Toluene-d8	101%	103%	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling
Method: Diesel Range Organics by GC/FID

AA Project No: A5331141
Date Received: 10/30/14
Date Reported: 11/15/14
Units: mg/L

Date Sampled:	10/29/14	10/29/14	10/29/14	10/29/14	
Date Prepared:	11/05/14	11/05/14	11/05/14	11/05/14	
Date Analyzed:	11/05/14	11/05/14	11/05/14	11/06/14	
AA ID No:	4J30006-03	4J30006-04	4J30006-05	4J30006-06	
Client ID No:	MW-27	GMW-31	GMW-40	DUPE-1	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
Diesel Range Organics 8015M (EPA 8015M)					
Diesel Range Organics as Diesel	**0.14**	**0.16**	<0.10	<0.10	0.10
Surrogates					**%REC Limits**
o-Terphenyl	93%	101%	96%	80%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling
Method: Diesel Range Organics by GC/FID

AA Project No: A5331141
Date Received: 10/30/14
Date Reported: 11/15/14
Units: mg/L

Date Sampled:	10/29/14	10/29/14	10/29/14	10/29/14	
Date Prepared:	11/05/14	11/05/14	11/05/14	11/05/14	
Date Analyzed:	11/05/14	11/05/14	11/05/14	11/05/14	
AA ID No:	4J30006-07	4J30006-08	4J30006-09	4J30006-10	
Client ID No:	GMW-57	GMW-61	TF-8	TF-24	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
Diesel Range Organics 8015M (EPA 8015M)					
Diesel Range Organics as Diesel	**0.38**	**0.20**	**1.0**	**1.9**	0.10
Surrogates					**%REC Limits**
o-Terphenyl	106%	92%	115%	133%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling
Method: Diesel Range Organics by GC/FID

AA Project No: A5331141
Date Received: 10/30/14
Date Reported: 11/15/14
Units: mg/L

Date Sampled:	10/29/14	10/29/14	10/29/14	10/29/14	
Date Prepared:	11/05/14	11/05/14	11/05/14	11/05/14	
Date Analyzed:	11/05/14	11/05/14	11/05/14	11/05/14	
AA ID No:	4J30006-11	4J30006-12	4J30006-13	4J30006-14	
Client ID No:	GMW-12	GMW-47	GMW-58	DUPE-2	
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**	**2.1**	**0.34**	**0.42**	0.10
Surrogates					**%REC Limits**
o-Terphenyl	137%	111%	85%	103%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331141
Date Received: 10/30/14
Date Reported: 11/15/14

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 B4K0502 - EPA 5030B										
Blank (B4K0502-BLK1)				Prepared & Analyzed: 11/05/14						
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-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331141
Date Received: 10/30/14
Date Reported: 11/15/14

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 B4K0502 - EPA 5030B										
Blank (B4K0502-BLK1) Continued				Prepared & Analyzed: 11/05/14						
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)	<2.0	2.0	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-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331141
Date Received: 10/30/14
Date Reported: 11/15/14

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 B4K0502 - EPA 5030B										
Blank (B4K0502-BLK1) Continued				Prepared & Analyzed: 11/05/14						
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	*50.6*		*ug/L*	*50*		*101*	*70-140*			
Surrogate: Dibromofluoromethane	*48.0*		*ug/L*	*50*		*96.1*	*70-140*			
Surrogate: Toluene-d8	*50.0*		*ug/L*	*50*		*100*	*70-140*			
LCS (B4K0502-BS1)				Prepared: 11/05/14 Analyzed: 11/06/14						
Benzene	**19.8**	0.50	ug/L	20		99.1	75-125			
Bromodichloromethane	**22.2**	0.50	ug/L	20		111	75-125			
Bromoform	**18.7**	0.50	ug/L	20		93.5	75-125			
Carbon Tetrachloride	**23.3**	0.50	ug/L	20		116	75-125			
Chlorobenzene	**19.8**	0.50	ug/L	20		99.1	75-125			
Chloroethane	**22.6**	0.50	ug/L	20		113	75-125			
Chloroform	**18.8**	0.50	ug/L	20		94.0	75-125			
Chloromethane	**18.8**	0.50	ug/L	20		93.8	65-125			
Dibromochloromethane	**20.8**	0.50	ug/L	20		104	75-125			
1,4-Dichlorobenzene	**20.2**	0.50	ug/L	20		101	75-125			
1,1-Dichloroethane	**20.8**	0.50	ug/L	20		104	70-125			
1,2-Dichloroethane (EDC)	**19.1**	0.50	ug/L	20		95.4	75-125			
1,1-Dichloroethylene	**18.3**	0.50	ug/L	20		91.6	70-130			
trans-1,2-Dichloroethylene	**18.9**	0.50	ug/L	20		94.3	75-125			
cis-1,2-Dichloroethylene	**18.6**	0.50	ug/L	20		92.8	75-125			
1,2-Dichloropropane	**21.0**	0.50	ug/L	20		105	75-130			
cis-1,3-Dichloropropylene	**21.6**	0.50	ug/L	20		108	75-125			

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Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331141
Date Received: 10/30/14
Date Reported: 11/15/14

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 B4K0502 - EPA 5030B										
LCS (B4K0502-BS1) Continued				Prepared: 11/05/14 Analyzed: 11/06/14						
Ethylbenzene	**22.2**	0.50	ug/L	20		111	75-125			
Methyl-tert-Butyl Ether (MTBE)	**17.3**	2.0	ug/L	20		86.5	75-125			
Methylene Chloride	**17.4**	5.0	ug/L	20		86.8	75-130			
1,1,2,2-Tetrachloroethane	**16.3**	0.50	ug/L	20		81.6	70-135			
Tetrachloroethylene (PCE)	**21.8**	0.50	ug/L	20		109	75-125			
Toluene	**21.3**	0.50	ug/L	20		106	75-125			
1,1,1-Trichloroethane	**22.0**	0.50	ug/L	20		110	75-125			
1,1,2-Trichloroethane	**17.4**	0.50	ug/L	20		87.0	75-125			
Trichloroethylene (TCE)	**20.8**	0.50	ug/L	20		104	75-125			
Vinyl chloride	**24.1**	0.50	ug/L	20		120	75-125			
o-Xylene	**20.1**	0.50	ug/L	20		100	75-125			
Surrogate: 4-Bromofluorobenzene	*48.6*		*ug/L*	*50*		*97.1*	*70-140*			
Surrogate: Dibromofluoromethane	*48.3*		*ug/L*	*50*		*96.6*	*70-140*			
Surrogate: Toluene-d8	*50.6*		*ug/L*	*50*		*101*	*70-140*			
Matrix Spike (B4K0502-MS1)		**Source: 4J28005-10**		Prepared & Analyzed: 11/05/14						
Benzene	**20.0**	0.50	ug/L	20		100	70-130			
Bromoform	**24.5**	0.50	ug/L	20		123	70-130			
Chlorobenzene	**19.7**	0.50	ug/L	20		98.7	70-130			
Chloroform	**19.2**	0.50	ug/L	20		95.8	70-130			
1,1-Dichloroethane	**20.8**	0.50	ug/L	20		104	70-130			
1,1-Dichloroethylene	**18.6**	0.50	ug/L	20		93.1	70-130			
cis-1,2-Dichloroethylene	**18.9**	0.50	ug/L	20		94.6	70-130			
1,2-Dichloropropane	**22.6**	0.50	ug/L	20		113	70-130			
Ethylbenzene	**21.7**	0.50	ug/L	20		108	70-130			
Methyl-tert-Butyl Ether (MTBE)	**20.2**	2.0	ug/L	20		101	70-130			
n-Propylbenzene	**19.2**	0.50	ug/L	20		96.0	70-130			
Tetrachloroethylene (PCE)	**21.3**	0.50	ug/L	20		107	70-130			
Toluene	**20.8**	0.50	ug/L	20		104	70-130			
1,1,1-Trichloroethane	**22.2**	0.50	ug/L	20		111	70-130			
Trichloroethylene (TCE)	**21.3**	0.50	ug/L	20		107	70-130			
1,3,5-Trimethylbenzene	**19.8**	0.50	ug/L	20		99.2	70-130			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331141
Date Received: 10/30/14
Date Reported: 11/15/14

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 B4K0502 - EPA 5030B										
Matrix Spike (B4K0502-MS1) Continued Source: 4J28005-10 Prepared & Analyzed: 11/05/14										
Vinyl chloride	**23.9**	0.50	ug/L	20		120	70-130			
Surrogate: 4-Bromofluorobenzene	*50.8*		*ug/L*	*50*		*102*	*70-140*			
Surrogate: Dibromofluoromethane	*50.2*		*ug/L*	*50*		*100*	*70-140*			
Surrogate: Toluene-d8	*49.2*		*ug/L*	*50*		*98.3*	*70-140*			
Matrix Spike Dup (B4K0502-MSD1) **Source: 4J28005-10** Prepared & Analyzed: 11/05/14										
Benzene	**20.0**	0.50	ug/L	20		100	70-130	0.200	30	
Bromoform	**23.2**	0.50	ug/L	20		116	70-130	5.48	30	
Chlorobenzene	**19.8**	0.50	ug/L	20		99.1	70-130	0.404	30	
Chloroform	**19.1**	0.50	ug/L	20		95.6	70-130	0.209	30	
1,1-Dichloroethane	**20.9**	0.50	ug/L	20		104	70-130	0.336	30	
1,1-Dichloroethylene	**18.3**	0.50	ug/L	20		91.6	70-130	1.62	30	
cis-1,2-Dichloroethylene	**19.2**	0.50	ug/L	20		95.8	70-130	1.37	30	
1,2-Dichloropropane	**22.1**	0.50	ug/L	20		110	70-130	2.46	30	
Ethylbenzene	**21.4**	0.50	ug/L	20		107	70-130	1.35	30	
Methyl-tert-Butyl Ether (MTBE)	**20.1**	2.0	ug/L	20		101	70-130	0.446	30	
n-Propylbenzene	**19.2**	0.50	ug/L	20		96.0	70-130	0.104	30	
Tetrachloroethylene (PCE)	**20.5**	0.50	ug/L	20		102	70-130	4.07	30	
Toluene	**20.3**	0.50	ug/L	20		102	70-130	2.29	30	
1,1,1-Trichloroethane	**22.2**	0.50	ug/L	20		111	70-130	0.225	30	
Trichloroethylene (TCE)	**21.0**	0.50	ug/L	20		105	70-130	1.27	30	
1,3,5-Trimethylbenzene	**19.8**	0.50	ug/L	20		98.8	70-130	0.303	30	
Vinyl chloride	**24.2**	0.50	ug/L	20		121	70-130	1.20	30	
Surrogate: 4-Bromofluorobenzene	*50.2*		*ug/L*	*50*		*100*	*70-140*			
Surrogate: Dibromofluoromethane	*50.0*		*ug/L*	*50*		*100*	*70-140*			
Surrogate: Toluene-d8	*48.9*		*ug/L*	*50*		*97.7*	*70-140*			
Batch B4K1003 - EPA 5030B										
Blank (B4K1003-BLK1) Prepared & Analyzed: 11/10/14										
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-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331141
Date Received: 10/30/14
Date Reported: 11/15/14

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 B4K1003 - EPA 5030B										
Blank (B4K1003-BLK1) Continued				Prepared & Analyzed: 11/10/14						
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-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331141
Date Received: 10/30/14
Date Reported: 11/15/14

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 B4K1003 - EPA 5030B										
Blank (B4K1003-BLK1) Continued				Prepared & Analyzed: 11/10/14						
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)	<2.0	2.0	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							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331141
Date Received: 10/30/14
Date Reported: 11/15/14

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 B4K1003 - EPA 5030B										
Blank (B4K1003-BLK1) Continued				Prepared & Analyzed: 11/10/14						
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	*50.1*		*ug/L*	*50*		*100*	*70-140*			
Surrogate: Dibromofluoromethane	*45.6*		*ug/L*	*50*		*91.2*	*70-140*			
Surrogate: Toluene-d8	*53.8*		*ug/L*	*50*		*108*	*70-140*			
LCS (B4K1003-BS1)				Prepared & Analyzed: 11/10/14						
Benzene	**20.7**	0.50	ug/L	20		103	75-125			
Bromodichloromethane	**24.0**	0.50	ug/L	20		120	75-125			
Bromoform	**22.7**	0.50	ug/L	20		114	75-125			
Carbon Tetrachloride	**23.0**	0.50	ug/L	20		115	75-125			
Chlorobenzene	**20.3**	0.50	ug/L	20		101	75-125			
Chloroethane	**22.9**	0.50	ug/L	20		115	75-125			
Chloroform	**20.5**	0.50	ug/L	20		102	75-125			
Chloromethane	**15.4**	0.50	ug/L	20		77.0	65-125			
Dibromochloromethane	**23.4**	0.50	ug/L	20		117	75-125			
1,4-Dichlorobenzene	**20.6**	0.50	ug/L	20		103	75-125			
1,1-Dichloroethane	**22.5**	0.50	ug/L	20		113	70-125			
1,2-Dichloroethane (EDC)	**21.4**	0.50	ug/L	20		107	75-125			
1,1-Dichloroethylene	**18.8**	0.50	ug/L	20		93.8	70-130			
trans-1,2-Dichloroethylene	**19.6**	0.50	ug/L	20		98.0	75-125			
cis-1,2-Dichloroethylene	**20.2**	0.50	ug/L	20		101	75-125			
1,2-Dichloropropane	**22.4**	0.50	ug/L	20		112	75-130			
cis-1,3-Dichloropropylene	**25.3**	0.50	ug/L	20		126	75-125			
Ethylbenzene	**21.9**	0.50	ug/L	20		110	75-125			
Methyl-tert-Butyl Ether (MTBE)	**21.9**	2.0	ug/L	20		110	75-125			
Methylene Chloride	**19.5**	5.0	ug/L	20		97.6	75-130			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331141
Date Received: 10/30/14
Date Reported: 11/15/14

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 B4K1003 - EPA 5030B										
LCS (B4K1003-BS1) Continued				Prepared & Analyzed: 11/10/14						
1,1,2,2-Tetrachloroethane	**20.3**	0.50	ug/L	20		102	70-135			
Tetrachloroethylene (PCE)	**21.8**	0.50	ug/L	20		109	75-125			
Toluene	**21.1**	0.50	ug/L	20		106	75-125			
1,1,1-Trichloroethane	**22.0**	0.50	ug/L	20		110	75-125			
1,1,2-Trichloroethane	**19.9**	0.50	ug/L	20		99.6	75-125			
Trichloroethylene (TCE)	**21.2**	0.50	ug/L	20		106	75-125			
Vinyl chloride	**18.3**	0.50	ug/L	20		91.7	75-125			
o-Xylene	**20.2**	0.50	ug/L	20		101	75-125			
Surrogate: 4-Bromofluorobenzene	*48.2*		*ug/L*	*50*		*96.3*	*70-140*			
Surrogate: Dibromofluoromethane	*51.9*		*ug/L*	*50*		*104*	*70-140*			
Surrogate: Toluene-d8	*49.9*		*ug/L*	*50*		*99.8*	*70-140*			
Matrix Spike (B4K1003-MS1)		**Source: 4J30006-10**		Prepared & Analyzed: 11/10/14						
Benzene	**20.2**	0.50	ug/L	20	<0.50	101	70-130			
Bromoform	**22.0**	0.50	ug/L	20	<0.50	110	70-130			
Chlorobenzene	**20.8**	0.50	ug/L	20	<0.50	104	70-130			
Chloroform	**18.9**	0.50	ug/L	20	<0.50	94.3	70-130			
1,1-Dichloroethane	**20.3**	0.50	ug/L	20	<0.50	102	70-130			
1,1-Dichloroethylene	**17.8**	0.50	ug/L	20	<0.50	89.2	70-130			
cis-1,2-Dichloroethylene	**18.7**	0.50	ug/L	20	<0.50	93.3	70-130			
1,2-Dichloropropane	**21.3**	0.50	ug/L	20	<0.50	107	70-130			
Ethylbenzene	**23.1**	0.50	ug/L	20	<0.50	116	70-130			
Methyl-tert-Butyl Ether (MTBE)	**17.4**	2.0	ug/L	20	<2.0	87.0	70-130			
n-Propylbenzene	**20.0**	0.50	ug/L	20	<0.50	100	70-130			
Tetrachloroethylene (PCE)	**23.4**	0.50	ug/L	20	<0.50	117	70-130			
Toluene	**21.9**	0.50	ug/L	20	<0.50	110	70-130			
1,1,1-Trichloroethane	**22.3**	0.50	ug/L	20	<0.50	112	70-130			
Trichloroethylene (TCE)	**21.2**	0.50	ug/L	20	<0.50	106	70-130			
1,3,5-Trimethylbenzene	**20.9**	0.50	ug/L	20	<0.50	105	70-130			
Vinyl chloride	**20.9**	0.50	ug/L	20	<0.50	104	70-130			
Surrogate: 4-Bromofluorobenzene	*48.2*		*ug/L*	*50*		*96.4*	*70-140*			
Surrogate: Dibromofluoromethane	*48.1*		*ug/L*	*50*		*96.2*	*70-140*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331141
Date Received: 10/30/14
Date Reported: 11/15/14

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 B4K1003 - EPA 5030B										
Matrix Spike (B4K1003-MS1) Continued Source: 4J30006-10 Prepared & Analyzed: 11/10/14										
Surrogate: Toluene-d8	*50.4*		*ug/L*	*50*		*101*	*70-140*			
Matrix Spike Dup (B4K1003-MSD1) **Source: 4J30006-10** Prepared & Analyzed: 11/10/14										
Benzene	**20.3**	0.50	ug/L	20	<0.50	101	70-130	0.198	30	
Bromoform	**22.0**	0.50	ug/L	20	<0.50	110	70-130	0.455	30	
Chlorobenzene	**20.8**	0.50	ug/L	20	<0.50	104	70-130	0.0482	30	
Chloroform	**19.4**	0.50	ug/L	20	<0.50	97.0	70-130	2.82	30	
1,1-Dichloroethane	**20.7**	0.50	ug/L	20	<0.50	103	70-130	1.81	30	
1,1-Dichloroethylene	**18.1**	0.50	ug/L	20	<0.50	90.4	70-130	1.28	30	
cis-1,2-Dichloroethylene	**19.2**	0.50	ug/L	20	<0.50	96.2	70-130	3.11	30	
1,2-Dichloropropane	**21.4**	0.50	ug/L	20	<0.50	107	70-130	0.281	30	
Ethylbenzene	**22.9**	0.50	ug/L	20	<0.50	114	70-130	0.870	30	
Methyl-tert-Butyl Ether (MTBE)	**17.4**	2.0	ug/L	20	<2.0	87.2	70-130	0.172	30	
n-Propylbenzene	**20.1**	0.50	ug/L	20	<0.50	100	70-130	0.150	30	
Tetrachloroethylene (PCE)	**22.6**	0.50	ug/L	20	<0.50	113	70-130	3.22	30	
Toluene	**22.0**	0.50	ug/L	20	<0.50	110	70-130	0.546	30	
1,1,1-Trichloroethane	**22.1**	0.50	ug/L	20	<0.50	110	70-130	0.946	30	
Trichloroethylene (TCE)	**21.2**	0.50	ug/L	20	<0.50	106	70-130	0.0945	30	
1,3,5-Trimethylbenzene	**20.9**	0.50	ug/L	20	<0.50	104	70-130	0.239	30	
Vinyl chloride	**20.2**	0.50	ug/L	20	<0.50	101	70-130	3.36	30	
Surrogate: 4-Bromofluorobenzene	*47.9*		*ug/L*	*50*		*95.8*	*70-140*			
Surrogate: Dibromofluoromethane	*48.3*		*ug/L*	*50*		*96.6*	*70-140*			
Surrogate: Toluene-d8	*51.1*		*ug/L*	*50*		*102*	*70-140*			
Diesel Range Organics by GC/FID - Quality Control										
Batch B4K0501 - EPA 3510C										
Blank (B4K0501-BLK1) Prepared & Analyzed: 11/05/14										
Diesel Range Organics as Diesel	<0.10	0.10	mg/L							
Surrogate: o-Terphenyl	*0.0357*		*mg/L*	*0.040*		*89.3*	*50-150*			
LCS (B4K0501-BS1) Prepared & Analyzed: 11/05/14										
Diesel Range Organics as Diesel	**0.749**	0.10	mg/L	0.80		93.6	75-125			
Surrogate: o-Terphenyl	*0.0481*		*mg/L*	*0.040*		*120*	*50-150*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331141
Date Received: 10/30/14
Date Reported: 11/15/14

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Diesel Range Organics by GC/FID - Quality Control										
Batch B4K0501 - EPA 3510C										
LCS Dup (B4K0501-BSD1)				Prepared & Analyzed: 11/05/14						
Diesel Range Organics as Diesel	**0.664**	0.10	mg/L	0.80		82.9	75-125	12.1	30	
Surrogate: o-Terphenyl	*0.0482*		*mg/L*	*0.040*		*120*	*50-150*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331141
Project No:	04-NDLA-001	**Date Received:**	10/30/14
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	11/15/14

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.: 121106
70041020
Page 1 of 1

Client: The Source Group	Project Name / No.: DFSP Norwalk	Sampler's Name: David Webber	
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)

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	8260B	SOSM D									Special Instructions
						Please enter the TAT Turnaround Codes ** below										
QCTB-1	4730006-01	10-29-14	600	GW	2	X										
QCEB-1	-02	10-29-14	730	GW	2	X										
MW-27	-03	10-29-14	805	GW	4	X	X									
GMW-31	-04	10-29-14	840	GW	4	X	✓									
GMW-40	-05	10-29-14	915	GW	4	X	✓									
DUPE-1	-06	10-29-14		GW	4	X	X									
GMW-57	-07	10-29-14	950	GW	4	X	X									
GMW-61	-08	10-29-14	1020	GW	4	X	✓									
TF-8	-09	10-29-14	1055	GW	4	X	✓									
TF-24	-10	10-29-14	1125	GW	4	X	✓									
GMW-12	-11	10-29-14	1155	GW	4	X	✓									
GMW-47	-12	10-29-14	1230	GW	4	X	✓									
GMW-58	-13	10-29-14	100P	GW	4	X	✓									
DUPE-2	-14	10-29-14		GW	4	X	X									

For Laboratory Use
REVIEWED
Date 10/30/14 Time 1700
TAT N Days Sign:
A.A. Project No.: A533114 / 4730006

Relinquished by	Date	Time	Received by
	10/30/14	1455	
Relinquished by	Date	Time	Received by
	10/30/14	1623	
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.

AMERICAN ANALYTICS

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

November 15, 2014

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

Re : DFSP Norwalk GW Sampling / 04-NDLA-001

A5331142 / 4J30007

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 10/30/14 16:23 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-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331142
Date Received: 10/30/14
Date Reported: 11/15/14

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8260B+OXY+TPHG					
QCTB-1	4J30007-01	Water	5	10/30/14 06:00	10/30/14 16:23
QCEB-1	4J30007-02	Water	5	10/30/14 08:00	10/30/14 16:23
GMW-32	4J30007-03	Water	5	10/30/14 08:50	10/30/14 16:23
MW-26	4J30007-04	Water	5	10/30/14 09:35	10/30/14 16:23
GMW-15	4J30007-05	Water	5	10/30/14 10:10	10/30/14 16:23
TF-21	4J30007-06	Water	5	10/30/14 10:45	10/30/14 16:23
GMW-60	4J30007-07	Water	5	10/30/14 11:20	10/30/14 16:23
DUPE-1	4J30007-08	Water	5	10/30/14 00:00	10/30/14 16:23
GMW-45	4J30007-09	Water	5	10/30/14 11:55	10/30/14 16:23
Diesel Range Organics 8015M					
GMW-32	4J30007-03	Water	5	10/30/14 08:50	10/30/14 16:23
MW-26	4J30007-04	Water	5	10/30/14 09:35	10/30/14 16:23
GMW-15	4J30007-05	Water	5	10/30/14 10:10	10/30/14 16:23
TF-21	4J30007-06	Water	5	10/30/14 10:45	10/30/14 16:23
GMW-60	4J30007-07	Water	5	10/30/14 11:20	10/30/14 16:23
DUPE-1	4J30007-08	Water	5	10/30/14 00:00	10/30/14 16:23
GMW-45	4J30007-09	Water	5	10/30/14 11:55	10/30/14 16:23

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331142
Project No:	04-NDLA-001	**Date Received:**	10/30/14
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	11/15/14
Method:	VOCs, OXY & TPH Gasoline by GC/MS	**Units:**	ug/L

Date Sampled:	10/30/14	10/30/14	10/30/14	10/30/14	
Date Prepared:	11/10/14	11/10/14	11/10/14	11/10/14	
Date Analyzed:	11/10/14	11/10/14	11/10/14	11/10/14	
AA ID No:	4J30007-01	4J30007-02	4J30007-03	4J30007-04	
Client ID No:	QCTB-1	QCEB-1	GMW-32	MW-26	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
8260B+OXY+TPHG (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	**13**	<10	10
sec-Butylbenzene	<0.50	<0.50	**3.8**	**9.6**	0.50
tert-Butylbenzene	<0.50	<0.50	**1.0**	**1.6**	0.50
n-Butylbenzene	<0.50	<0.50	<0.50	**3.1**	0.50
Carbon Disulfide	<0.50	<0.50	<0.50	<0.50	0.50
Carbon Tetrachloride	<0.50	<0.50	<0.50	<0.50	0.50
Chlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Chloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Chloroform	<0.50	<0.50	<0.50	<0.50	0.50
Chloromethane	<0.50	<0.50	<0.50	<0.50	0.50
2-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	0.50
4-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dibromo-3-chloropropane	<1.0	<1.0	<1.0	<1.0	1.0
Dibromochloromethane	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dibromoethane (EDB)	<0.50	<0.50	<0.50	<0.50	0.50
Dibromomethane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5331142
Date Received: 10/30/14
Date Reported: 11/15/14
Units: ug/L

Date Sampled:	10/30/14	10/30/14	10/30/14	10/30/14	
Date Prepared:	11/10/14	11/10/14	11/10/14	11/10/14	
Date Analyzed:	11/10/14	11/10/14	11/10/14	11/10/14	
AA ID No:	4J30007-01	4J30007-02	4J30007-03	4J30007-04	
Client ID No:	QCTB-1	QCEB-1	GMW-32	MW-26	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
8260B+OXY+TPHG (EPA 8260B) (continued)					
1,4-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
2,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
Diisopropyl ether (DIPE)	<2.0	<2.0	<2.0	<2.0	2.0
Ethylbenzene	<0.50	<0.50	<0.50	**0.54**	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	<2.0	<2.0	<2.0	2.0
Gasoline Range Organics (GRO)	<100	<100	**290**	**1400**	100
Hexachlorobutadiene	<1.0	<1.0	<1.0	<1.0	1.0
2-Hexanone (MBK)	<10	<10	<10	<10	10
Isopropylbenzene	<0.50	<0.50	**7.8**	**43**	0.50
4-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<2.0	<2.0	<2.0	<2.0	2.0
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	**48**	2.0
n-Propylbenzene	<0.50	<0.50	**3.3**	**61**	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5331142
Date Received: 10/30/14
Date Reported: 11/15/14
Units: ug/L

Date Sampled:	10/30/14	10/30/14	10/30/14	10/30/14	
Date Prepared:	11/10/14	11/10/14	11/10/14	11/10/14	
Date Analyzed:	11/10/14	11/10/14	11/10/14	11/10/14	
AA ID No:	4J30007-01	4J30007-02	4J30007-03	4J30007-04	
Client ID No:	QCTB-1	QCEB-1	GMW-32	MW-26	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
8260B+OXY+TPHG (EPA 8260B) (continued)					
Styrene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Tetrachloroethylene (PCE)	<0.50	<0.50	<0.50	<0.50	0.50
Toluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Trichloroethylene (TCE)	<0.50	<0.50	<0.50	<0.50	0.50
Trichlorofluoromethane (R11)	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	<0.50	<0.50	<0.50	0.50
1,3,5-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Vinyl chloride	<0.50	<0.50	<0.50	<0.50	0.50
o-Xylene	<0.50	<0.50	<0.50	<0.50	0.50
m,p-Xylenes	<1.0	<1.0	<1.0	<1.0	1.0
Surrogates					**%REC Limits**
4-Bromofluorobenzene	99%	99%	96%	97%	70-140
Dibromofluoromethane	96%	96%	100%	95%	70-140
Toluene-d8	106%	105%	102%	102%	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5331142
Date Received: 10/30/14
Date Reported: 11/15/14
Units: ug/L

Date Sampled:	10/30/14	10/30/14	10/30/14	10/30/14	
Date Prepared:	11/11/14	11/10/14	11/11/14	11/11/14	
Date Analyzed:	11/11/14	11/11/14	11/11/14	11/11/14	
AA ID No:	4J30007-05	4J30007-06	4J30007-07	4J30007-08	
Client ID No:	GMW-15	TF-21	GMW-60	DUPE-1	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
8260B+OXY+TPHG (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	**120**	**8.6**	**7.1**	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	**680**	**780**	10
sec-Butylbenzene	<0.50	**7.0**	**1.3**	**1.3**	0.50
tert-Butylbenzene	<0.50	**1.5**	<0.50	<0.50	0.50
n-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Carbon Disulfide	<0.50	<0.50	<0.50	<0.50	0.50
Carbon Tetrachloride	<0.50	<0.50	<0.50	<0.50	0.50
Chlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Chloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Chloroform	<0.50	<0.50	<0.50	<0.50	0.50
Chloromethane	<0.50	<0.50	<0.50	<0.50	0.50
2-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	0.50
4-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dibromo-3-chloropropane	<1.0	<1.0	<1.0	<1.0	1.0
Dibromochloromethane	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dibromoethane (EDB)	<0.50	<0.50	<0.50	<0.50	0.50
Dibromomethane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5331142
Date Received: 10/30/14
Date Reported: 11/15/14
Units: ug/L

Date Sampled:	10/30/14	10/30/14	10/30/14	10/30/14	
Date Prepared:	11/11/14	11/10/14	11/11/14	11/11/14	
Date Analyzed:	11/11/14	11/11/14	11/11/14	11/11/14	
AA ID No:	4J30007-05	4J30007-06	4J30007-07	4J30007-08	
Client ID No:	GMW-15	TF-21	GMW-60	DUPE-1	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
8260B+OXY+TPHG (EPA 8260B) (continued)					
1,4-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	**0.73**	<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	**1.2**	<0.50	<0.50	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	<2.0	<2.0	<2.0	2.0
Gasoline Range Organics (GRO)	<100	**1500**	**470**	**500**	100
Hexachlorobutadiene	<1.0	<1.0	<1.0	<1.0	1.0
2-Hexanone (MBK)	<10	<10	<10	<10	10
Isopropylbenzene	**0.76**	**55**	**10**	**11**	0.50
4-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<2.0	**2.2**	<2.0	<2.0	2.0
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	**21**	**10**	**12**	2.0
n-Propylbenzene	**0.61**	**57**	**10**	**10**	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5331142
Date Received: 10/30/14
Date Reported: 11/15/14
Units: ug/L

Date Sampled:	10/30/14	10/30/14	10/30/14	10/30/14	
Date Prepared:	11/11/14	11/10/14	11/11/14	11/11/14	
Date Analyzed:	11/11/14	11/11/14	11/11/14	11/11/14	
AA ID No:	4J30007-05	4J30007-06	4J30007-07	4J30007-08	
Client ID No:	GMW-15	TF-21	GMW-60	DUPE-1	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
8260B+OXY+TPHG (EPA 8260B) (continued)					
Styrene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Tetrachloroethylene (PCE)	<0.50	<0.50	<0.50	<0.50	0.50
Toluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Trichloroethylene (TCE)	<0.50	<0.50	<0.50	<0.50	0.50
Trichlorofluoromethane (R11)	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	<0.50	<0.50	<0.50	0.50
1,3,5-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Vinyl chloride	<0.50	<0.50	<0.50	<0.50	0.50
o-Xylene	<0.50	**0.54**	<0.50	<0.50	0.50
m,p-Xylenes	<1.0	<1.0	<1.0	<1.0	1.0
Surrogates					**%REC Limits**
4-Bromofluorobenzene	96%	101%	99%	98%	70-140
Dibromofluoromethane	93%	94%	94%	95%	70-140
Toluene-d8	103%	105%	104%	102%	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331142
Project No:	04-NDLA-001	**Date Received:**	10/30/14
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	11/15/14
Method:	VOCs, OXY & TPH Gasoline by GC/MS	**Units:**	ug/L

Date Sampled:	10/30/14	
Date Prepared:	11/11/14	
Date Analyzed:	11/11/14	
AA ID No:	4J30007-09	
Client ID No:	GMW-45	
Matrix:	Water	
Dilution Factor:	1	MRL

8260B+OXY+TPHG (EPA 8260B)

Acetone	<10	10
tert-Amyl Methyl Ether (TAME)	<2.0	2.0
Benzene	**0.78**	0.50
Bromobenzene	<0.50	0.50
Bromochloromethane	<0.50	0.50
Bromodichloromethane	<0.50	0.50
Bromoform	<0.50	0.50
Bromomethane	<0.50	0.50
2-Butanone (MEK)	<10	10
tert-Butyl alcohol (TBA)	<10	10
sec-Butylbenzene	**8.3**	0.50
tert-Butylbenzene	**1.4**	0.50
n-Butylbenzene	**1.8**	0.50
Carbon Disulfide	<0.50	0.50
Carbon Tetrachloride	<0.50	0.50
Chlorobenzene	<0.50	0.50
Chloroethane	<0.50	0.50
Chloroform	<0.50	0.50
Chloromethane	<0.50	0.50
2-Chlorotoluene	<0.50	0.50
4-Chlorotoluene	<0.50	0.50
1,2-Dibromo-3-chloropropane	<1.0	1.0
Dibromochloromethane	<0.50	0.50
1,2-Dibromoethane (EDB)	<0.50	0.50
Dibromomethane	<0.50	0.50
1,3-Dichlorobenzene	<0.50	0.50
1,2-Dichlorobenzene	<0.50	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331142
Project No:	04-NDLA-001	**Date Received:**	10/30/14
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	11/15/14
Method:	VOCs, OXY & TPH Gasoline by GC/MS	**Units:**	ug/L

Date Sampled:	10/30/14	
Date Prepared:	11/11/14	
Date Analyzed:	11/11/14	
AA ID No:	4J30007-09	
Client ID No:	GMW-45	
Matrix:	Water	
Dilution Factor:	1	MRL

8260B+OXY+TPHG (EPA 8260B) (continued)

1,4-Dichlorobenzene	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	0.50
1,1-Dichloroethane	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	0.50
1,1-Dichloroethylene	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	0.50
1,2-Dichloropropane	<0.50	0.50
2,2-Dichloropropane	<0.50	0.50
1,3-Dichloropropane	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	0.50
1,1-Dichloropropylene	<0.50	0.50
Diisopropyl ether (DIPE)	<2.0	2.0
Ethylbenzene	**0.52**	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	2.0
Gasoline Range Organics (GRO)	**1500**	100
Hexachlorobutadiene	<1.0	1.0
2-Hexanone (MBK)	<10	10
Isopropylbenzene	**43**	0.50
4-Isopropyltoluene	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0
Methylene Chloride	<5.0	5.0
4-Methyl-2-pentanone (MIBK)	<10	10
Naphthalene	**35**	2.0
n-Propylbenzene	**45**	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331142
Project No:	04-NDLA-001	**Date Received:**	10/30/14
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	11/15/14
Method:	VOCs, OXY & TPH Gasoline by GC/MS	**Units:**	ug/L

Date Sampled:	10/30/14	
Date Prepared:	11/11/14	
Date Analyzed:	11/11/14	
AA ID No:	4J30007-09	
Client ID No:	GMW-45	
Matrix:	Water	
Dilution Factor:	1	MRL

8260B+OXY+TPHG (EPA 8260B) (continued)

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

Surrogates		**%REC Limits**
4-Bromofluorobenzene	97%	70-140
Dibromofluoromethane	93%	70-140
Toluene-d8	102%	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331142
Project No:	04-NDLA-001	**Date Received:**	10/30/14
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	11/15/14
Method:	Diesel Range Organics by GC/FID	**Units:**	mg/L

Date Sampled:	10/30/14	10/30/14	10/30/14	10/30/14	
Date Prepared:	11/08/14	11/08/14	11/08/14	11/08/14	
Date Analyzed:	11/10/14	11/10/14	11/10/14	11/10/14	
AA ID No:	4J30007-03	4J30007-04	4J30007-05	4J30007-06	
Client ID No:	GMW-32	MW-26	GMW-15	TF-21	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
Diesel Range Organics 8015M (EPA 8015M)					
Diesel Range Organics as Diesel	**1.5**	**0.67**	**1.9**	**1.7**	0.10
Surrogates					**%REC Limits**
o-Terphenyl	138%	83%	95%	121%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling
Method: Diesel Range Organics by GC/FID

AA Project No: A5331142
Date Received: 10/30/14
Date Reported: 11/15/14
Units: mg/L

Date Sampled:	10/30/14	10/30/14	10/30/14	
Date Prepared:	11/08/14	11/08/14	11/08/14	
Date Analyzed:	11/10/14	11/10/14	11/10/14	
AA ID No:	4J30007-07	4J30007-08	4J30007-09	
Client ID No:	GMW-60	DUPE-1	GMW-45	
Matrix:	Water	Water	Water	
Dilution Factor:	1	1	1	MRL
Diesel Range Organics 8015M (EPA 8015M)				
Diesel Range Organics as Diesel	**1.5**	**1.8**	**3.7**	0.10
Surrogates				**%REC Limits**
o-Terphenyl	102%	112%	143%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331142
Date Received: 10/30/14
Date Reported: 11/15/14

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 B4K1003 - EPA 5030B										
Blank (B4K1003-BLK1)				Prepared & Analyzed: 11/10/14						
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-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331142
Date Received: 10/30/14
Date Reported: 11/15/14

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 B4K1003 - EPA 5030B										
Blank (B4K1003-BLK1) Continued				Prepared & Analyzed: 11/10/14						
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)	<2.0	2.0	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-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331142
Date Received: 10/30/14
Date Reported: 11/15/14

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 B4K1003 - EPA 5030B										
Blank (B4K1003-BLK1) Continued				Prepared & Analyzed: 11/10/14						
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	*50.1*		*ug/L*	*50*		*100*	*70-140*			
Surrogate: Dibromofluoromethane	*45.6*		*ug/L*	*50*		*91.2*	*70-140*			
Surrogate: Toluene-d8	*53.8*		*ug/L*	*50*		*108*	*70-140*			
LCS (B4K1003-BS1)				Prepared & Analyzed: 11/10/14						
Benzene	**20.7**	0.50	ug/L	20		103	75-125			
Bromodichloromethane	**24.0**	0.50	ug/L	20		120	75-125			
Bromoform	**22.7**	0.50	ug/L	20		114	75-125			
Carbon Tetrachloride	**23.0**	0.50	ug/L	20		115	75-125			
Chlorobenzene	**20.3**	0.50	ug/L	20		101	75-125			
Chloroethane	**22.9**	0.50	ug/L	20		115	75-125			
Chloroform	**20.5**	0.50	ug/L	20		102	75-125			
Chloromethane	**15.4**	0.50	ug/L	20		77.0	65-125			
Dibromochloromethane	**23.4**	0.50	ug/L	20		117	75-125			
1,4-Dichlorobenzene	**20.6**	0.50	ug/L	20		103	75-125			
1,1-Dichloroethane	**22.5**	0.50	ug/L	20		113	70-125			
1,2-Dichloroethane (EDC)	**21.4**	0.50	ug/L	20		107	75-125			
1,1-Dichloroethylene	**18.8**	0.50	ug/L	20		93.8	70-130			
trans-1,2-Dichloroethylene	**19.6**	0.50	ug/L	20		98.0	75-125			
cis-1,2-Dichloroethylene	**20.2**	0.50	ug/L	20		101	75-125			
1,2-Dichloropropane	**22.4**	0.50	ug/L	20		112	75-130			
cis-1,3-Dichloropropylene	**25.3**	0.50	ug/L	20		126	75-125			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
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AA Project No: A5331142
Date Received: 10/30/14
Date Reported: 11/15/14

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 B4K1003 - EPA 5030B										
LCS (B4K1003-BS1) Continued				Prepared & Analyzed: 11/10/14						
Ethylbenzene	**21.9**	0.50	ug/L	20		110	75-125			
Methyl-tert-Butyl Ether (MTBE)	**21.9**	2.0	ug/L	20		110	75-125			
Methylene Chloride	**19.5**	5.0	ug/L	20		97.6	75-130			
1,1,2,2-Tetrachloroethane	**20.3**	0.50	ug/L	20		102	70-135			
Tetrachloroethylene (PCE)	**21.8**	0.50	ug/L	20		109	75-125			
Toluene	**21.1**	0.50	ug/L	20		106	75-125			
1,1,1-Trichloroethane	**22.0**	0.50	ug/L	20		110	75-125			
1,1,2-Trichloroethane	**19.9**	0.50	ug/L	20		99.6	75-125			
Trichloroethylene (TCE)	**21.2**	0.50	ug/L	20		106	75-125			
Vinyl chloride	**18.3**	0.50	ug/L	20		91.7	75-125			
o-Xylene	**20.2**	0.50	ug/L	20		101	75-125			
Surrogate: 4-Bromofluorobenzene	*48.2*		*ug/L*	*50*		*96.3*	*70-140*			
Surrogate: Dibromofluoromethane	*51.9*		*ug/L*	*50*		*104*	*70-140*			
Surrogate: Toluene-d8	*49.9*		*ug/L*	*50*		*99.8*	*70-140*			
Matrix Spike (B4K1003-MS1)		**Source: 4J30006-10**		Prepared & Analyzed: 11/10/14						
Benzene	**20.2**	0.50	ug/L	20		101	70-130			
Bromoform	**22.0**	0.50	ug/L	20		110	70-130			
Chlorobenzene	**20.8**	0.50	ug/L	20		104	70-130			
Chloroform	**18.9**	0.50	ug/L	20		94.3	70-130			
1,1-Dichloroethane	**20.3**	0.50	ug/L	20		102	70-130			
1,1-Dichloroethylene	**17.8**	0.50	ug/L	20		89.2	70-130			
cis-1,2-Dichloroethylene	**18.7**	0.50	ug/L	20		93.3	70-130			
1,2-Dichloropropane	**21.3**	0.50	ug/L	20		107	70-130			
Ethylbenzene	**23.1**	0.50	ug/L	20		116	70-130			
Methyl-tert-Butyl Ether (MTBE)	**17.4**	2.0	ug/L	20		87.0	70-130			
n-Propylbenzene	**20.0**	0.50	ug/L	20		100	70-130			
Tetrachloroethylene (PCE)	**23.4**	0.50	ug/L	20		117	70-130			
Toluene	**21.9**	0.50	ug/L	20		110	70-130			
1,1,1-Trichloroethane	**22.3**	0.50	ug/L	20		112	70-130			
Trichloroethylene (TCE)	**21.2**	0.50	ug/L	20		106	70-130			
1,3,5-Trimethylbenzene	**20.9**	0.50	ug/L	20		105	70-130			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331142
Date Received: 10/30/14
Date Reported: 11/15/14

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 B4K1003 - EPA 5030B										
Matrix Spike (B4K1003-MS1) Continued Source: 4J30006-10 Prepared & Analyzed: 11/10/14										
Vinyl chloride	**20.9**	0.50	ug/L	20		104	70-130			
Surrogate: 4-Bromofluorobenzene	*48.2*		*ug/L*	*50*		*96.4*	*70-140*			
Surrogate: Dibromofluoromethane	*48.1*		*ug/L*	*50*		*96.2*	*70-140*			
Surrogate: Toluene-d8	*50.4*		*ug/L*	*50*		*101*	*70-140*			
Matrix Spike Dup (B4K1003-MSD1) **Source: 4J30006-10** Prepared & Analyzed: 11/10/14										
Benzene	**20.3**	0.50	ug/L	20		101	70-130	0.198	30	
Bromoform	**22.0**	0.50	ug/L	20		110	70-130	0.455	30	
Chlorobenzene	**20.8**	0.50	ug/L	20		104	70-130	0.0482	30	
Chloroform	**19.4**	0.50	ug/L	20		97.0	70-130	2.82	30	
1,1-Dichloroethane	**20.7**	0.50	ug/L	20		103	70-130	1.81	30	
1,1-Dichloroethylene	**18.1**	0.50	ug/L	20		90.4	70-130	1.28	30	
cis-1,2-Dichloroethylene	**19.2**	0.50	ug/L	20		96.2	70-130	3.11	30	
1,2-Dichloropropane	**21.4**	0.50	ug/L	20		107	70-130	0.281	30	
Ethylbenzene	**22.9**	0.50	ug/L	20		114	70-130	0.870	30	
Methyl-tert-Butyl Ether (MTBE)	**17.4**	2.0	ug/L	20		87.2	70-130	0.172	30	
n-Propylbenzene	**20.1**	0.50	ug/L	20		100	70-130	0.150	30	
Tetrachloroethylene (PCE)	**22.6**	0.50	ug/L	20		113	70-130	3.22	30	
Toluene	**22.0**	0.50	ug/L	20		110	70-130	0.546	30	
1,1,1-Trichloroethane	**22.1**	0.50	ug/L	20		110	70-130	0.946	30	
Trichloroethylene (TCE)	**21.2**	0.50	ug/L	20		106	70-130	0.0945	30	
1,3,5-Trimethylbenzene	**20.9**	0.50	ug/L	20		104	70-130	0.239	30	
Vinyl chloride	**20.2**	0.50	ug/L	20		101	70-130	3.36	30	
Surrogate: 4-Bromofluorobenzene	*47.9*		*ug/L*	*50*		*95.8*	*70-140*			
Surrogate: Dibromofluoromethane	*48.3*		*ug/L*	*50*		*96.6*	*70-140*			
Surrogate: Toluene-d8	*51.1*		*ug/L*	*50*		*102*	*70-140*			
Batch B4K1108 - EPA 5030B										
Blank (B4K1108-BLK1) Prepared & Analyzed: 11/11/14										
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-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331142
Date Received: 10/30/14
Date Reported: 11/15/14

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 B4K1108 - EPA 5030B										
Blank (B4K1108-BLK1) Continued				Prepared & Analyzed: 11/11/14						
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-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331142
Date Received: 10/30/14
Date Reported: 11/15/14

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 B4K1108 - EPA 5030B										
Blank (B4K1108-BLK1) Continued				Prepared & Analyzed: 11/11/14						
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)	<2.0	2.0	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							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331142
Date Received: 10/30/14
Date Reported: 11/15/14

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 B4K1108 - EPA 5030B										
Blank (B4K1108-BLK1) Continued				Prepared & Analyzed: 11/11/14						
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	*49.7*		*ug/L*	*50*		*99.4*	*70-140*			
Surrogate: Dibromofluoromethane	*47.3*		*ug/L*	*50*		*94.5*	*70-140*			
Surrogate: Toluene-d8	*53.4*		*ug/L*	*50*		*107*	*70-140*			
LCS (B4K1108-BS1)				Prepared: 11/11/14 Analyzed: 11/12/14						
Benzene	**21.2**	0.50	ug/L	20		106	75-125			
Bromodichloromethane	**23.4**	0.50	ug/L	20		117	75-125			
Bromoform	**20.2**	0.50	ug/L	20		101	75-125			
Carbon Tetrachloride	**22.4**	0.50	ug/L	20		112	75-125			
Chlorobenzene	**19.5**	0.50	ug/L	20		97.6	75-125			
Chloroethane	**20.1**	0.50	ug/L	20		100	75-125			
Chloroform	**19.5**	0.50	ug/L	20		97.4	75-125			
Chloromethane	**16.9**	0.50	ug/L	20		84.4	65-125			
Dibromochloromethane	**22.4**	0.50	ug/L	20		112	75-125			
1,4-Dichlorobenzene	**19.9**	0.50	ug/L	20		99.6	75-125			
1,1-Dichloroethane	**21.2**	0.50	ug/L	20		106	70-125			
1,2-Dichloroethane (EDC)	**19.5**	0.50	ug/L	20		97.7	75-125			
1,1-Dichloroethylene	**17.5**	0.50	ug/L	20		87.4	70-130			
trans-1,2-Dichloroethylene	**19.0**	0.50	ug/L	20		95.2	75-125			
cis-1,2-Dichloroethylene	**19.2**	0.50	ug/L	20		96.0	75-125			
1,2-Dichloropropane	**22.4**	0.50	ug/L	20		112	75-130			
cis-1,3-Dichloropropylene	**23.2**	0.50	ug/L	20		116	75-125			
Ethylbenzene	**21.6**	0.50	ug/L	20		108	75-125			
Methyl-tert-Butyl Ether (MTBE)	**18.8**	2.0	ug/L	20		94.0	75-125			
Methylene Chloride	**19.0**	5.0	ug/L	20		95.1	75-130			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331142
Date Received: 10/30/14
Date Reported: 11/15/14

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 B4K1108 - EPA 5030B										
LCS (B4K1108-BS1) Continued				Prepared: 11/11/14 Analyzed: 11/12/14						
1,1,2,2-Tetrachloroethane	**17.4**	0.50	ug/L	20		87.2	70-135			
Tetrachloroethylene (PCE)	**21.7**	0.50	ug/L	20		108	75-125			
Toluene	**20.5**	0.50	ug/L	20		102	75-125			
1,1,1-Trichloroethane	**21.7**	0.50	ug/L	20		109	75-125			
1,1,2-Trichloroethane	**18.6**	0.50	ug/L	20		93.0	75-125			
Trichloroethylene (TCE)	**20.8**	0.50	ug/L	20		104	75-125			
Vinyl chloride	**17.4**	0.50	ug/L	20		87.0	75-125			
o-Xylene	**20.0**	0.50	ug/L	20		100	75-125			
Surrogate: 4-Bromofluorobenzene	*48.4*		*ug/L*	*50*		*96.9*	*70-140*			
Surrogate: Dibromofluoromethane	*50.9*		*ug/L*	*50*		*102*	*70-140*			
Surrogate: Toluene-d8	*50.3*		*ug/L*	*50*		*101*	*70-140*			
Matrix Spike (B4K1108-MS1)		**Source: 4J30007-05**		Prepared & Analyzed: 11/11/14						
Benzene	**19.6**	0.50	ug/L	20	<0.50	98.2	70-130			
Bromoform	**18.1**	0.50	ug/L	20	<0.50	90.4	70-130			
Chlorobenzene	**20.2**	0.50	ug/L	20	<0.50	101	70-130			
Chloroform	**19.7**	0.50	ug/L	20	<0.50	98.6	70-130			
1,1-Dichloroethane	**23.0**	0.50	ug/L	20	<0.50	115	70-130			
1,1-Dichloroethylene	**17.6**	0.50	ug/L	20	<0.50	88.2	70-130			
cis-1,2-Dichloroethylene	**19.0**	0.50	ug/L	20	<0.50	95.1	70-130			
1,2-Dichloropropane	**20.1**	0.50	ug/L	20	<0.50	101	70-130			
Ethylbenzene	**23.0**	0.50	ug/L	20	<0.50	115	70-130			
Methyl-tert-Butyl Ether (MTBE)	**16.4**	2.0	ug/L	20	0.850	77.8	70-130			
n-Propylbenzene	**20.6**	0.50	ug/L	20	0.610	100	70-130			
Tetrachloroethylene (PCE)	**23.7**	0.50	ug/L	20	<0.50	119	70-130			
Toluene	**22.0**	0.50	ug/L	20	<0.50	110	70-130			
1,1,1-Trichloroethane	**21.7**	0.50	ug/L	20	<0.50	108	70-130			
Trichloroethylene (TCE)	**20.3**	0.50	ug/L	20	<0.50	101	70-130			
1,3,5-Trimethylbenzene	**21.2**	0.50	ug/L	20	<0.50	106	70-130			
Vinyl chloride	**18.6**	0.50	ug/L	20	<0.50	93.0	70-130			
Surrogate: 4-Bromofluorobenzene	*47.4*		*ug/L*	*50*		*94.9*	*70-140*			
Surrogate: Dibromofluoromethane	*47.1*		*ug/L*	*50*		*94.2*	*70-140*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331142
Date Received: 10/30/14
Date Reported: 11/15/14

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 B4K1108 - EPA 5030B										
Matrix Spike (B4K1108-MS1) Continued Source: 4J30007-05 Prepared & Analyzed: 11/11/14										
Surrogate: Toluene-d8	*52.2*		*ug/L*	*50*		*104*	*70-140*			
Matrix Spike Dup (B4K1108-MSD1) **Source: 4J30007-05** Prepared & Analyzed: 11/11/14										
Benzene	**20.2**	0.50	ug/L	20	<0.50	101	70-130	2.61	30	
Bromoform	**20.0**	0.50	ug/L	20	<0.50	99.8	70-130	9.88	30	
Chlorobenzene	**20.2**	0.50	ug/L	20	<0.50	101	70-130	0.00	30	
Chloroform	**19.2**	0.50	ug/L	20	<0.50	96.2	70-130	2.46	30	
1,1-Dichloroethane	**21.1**	0.50	ug/L	20	<0.50	106	70-130	8.43	30	
1,1-Dichloroethylene	**18.1**	0.50	ug/L	20	<0.50	90.4	70-130	2.35	30	
cis-1,2-Dichloroethylene	**19.4**	0.50	ug/L	20	<0.50	97.0	70-130	1.98	30	
1,2-Dichloropropane	**20.7**	0.50	ug/L	20	<0.50	104	70-130	3.08	30	
Ethylbenzene	**22.7**	0.50	ug/L	20	<0.50	114	70-130	1.01	30	
Methyl-tert-Butyl Ether (MTBE)	**17.2**	2.0	ug/L	20	0.850	82.0	70-130	5.05	30	
n-Propylbenzene	**20.4**	0.50	ug/L	20	0.610	99.0	70-130	1.02	30	
Tetrachloroethylene (PCE)	**23.0**	0.50	ug/L	20	<0.50	115	70-130	2.82	30	
Toluene	**21.5**	0.50	ug/L	20	<0.50	108	70-130	2.34	30	
1,1,1-Trichloroethane	**21.6**	0.50	ug/L	20	<0.50	108	70-130	0.277	30	
Trichloroethylene (TCE)	**21.1**	0.50	ug/L	20	<0.50	106	70-130	4.06	30	
1,3,5-Trimethylbenzene	**20.8**	0.50	ug/L	20	<0.50	104	70-130	2.10	30	
Vinyl chloride	**18.0**	0.50	ug/L	20	<0.50	90.1	70-130	3.11	30	
Surrogate: 4-Bromofluorobenzene	*47.3*		*ug/L*	*50*		*94.6*	*70-140*			
Surrogate: Dibromofluoromethane	*47.2*		*ug/L*	*50*		*94.3*	*70-140*			
Surrogate: Toluene-d8	*51.5*		*ug/L*	*50*		*103*	*70-140*			
Diesel Range Organics by GC/FID - Quality Control										
Batch B4K0802 - EPA 3510C										
Blank (B4K0802-BLK1) Prepared: 11/08/14 Analyzed: 11/10/14										
Diesel Range Organics as Diesel	<0.10	0.10	mg/L							
Surrogate: o-Terphenyl	*0.0420*		*mg/L*	*0.040*		*105*	*50-150*			
LCS (B4K0802-BS1) Prepared: 11/08/14 Analyzed: 11/10/14										
Diesel Range Organics as Diesel	**0.776**	0.10	mg/L	0.80		97.0	75-125			
Surrogate: o-Terphenyl	*0.0533*		*mg/L*	*0.040*		*133*	*50-150*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331142
Date Received: 10/30/14
Date Reported: 11/15/14

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Diesel Range Organics by GC/FID - Quality Control										
Batch B4K0802 - EPA 3510C										
LCS Dup (B4K0802-BSD1)				Prepared: 11/08/14 Analyzed: 11/10/14						
Diesel Range Organics as Diesel	**0.726**	0.10	mg/L	0.80		90.7	75-125	6.67	30	
Surrogate: o-Terphenyl	*0.0536*		*mg/L*	*0.040*		*134*	*50-150*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331142
Project No:	04-NDLA-001	**Date Received:**	10/30/14
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	11/15/14

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.: 12107
70041022
Page 1 of 1

Client: The Source Group	**Project Name / No.:** DFSP NORWALK	**Sampler's Name:** DAWN Wilson	
Project Manager: DAWN WILSON	**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)

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	8260B	8015m D										Special Instructions
						Please enter the TAT Turnaround Codes ** below											
QCTB-1	4730207-01	10-30-14	600	GW	2	X											
QCEB-1	-02	10-30-14	800A	GW	2	X											
GMW-32	-03	10-30-14	830	GW	4	X	X										
MW-26	-04	10-30-14	935	GW	4	X	X										
GMW-15	-05	10-30-14	1010	GW	4	X	X										
TF-21	-06	10-30-14	1045	GW	4	X	X										
GMW-60	-07	10-30-14	1120	GW	4	X	X										
DUPE-1	-08	10-30-14		GW	4	X	X										
GMW-45	-09	10-30-14	1155	GW	4	X	X										

For Laboratory Use
REVIEWED
Date 10/30/14 Time 1700
TAT N Days Sign:
A.A. Project No.: A5331142/4730207

Relinquished by	Date	Time	Received by
	10-30-14	1455	
Relinquished by	10/30/14	1623	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.

AMERICAN ANALYTICS

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

January 07, 2015

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

Re : DFSP Norwalk GW Sampling / 04-NDLA-001

A5331188 / 4L17009

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 12/17/14 15:22 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-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331188
Date Received: 12/17/14
Date Reported: 01/07/15

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8260B+OXY+TPHG					
QCTB-1	4L17009-01	Water	5	12/17/14 06:00	12/17/14 15:22
QCEB-1	4L17009-02	Water	5	12/17/14 10:00	12/17/14 15:22
GMW-63	4L17009-03	Water	5	12/17/14 10:35	12/17/14 15:22
GMW-64	4L17009-04	Water	5	12/17/14 11:15	12/17/14 15:22
GMW-65	4L17009-05	Water	5	12/17/14 11:45	12/17/14 15:22
Diesel Range Organics 8015M					
GMW-63	4L17009-03	Water	5	12/17/14 10:35	12/17/14 15:22
GMW-64	4L17009-04	Water	5	12/17/14 11:15	12/17/14 15:22
GMW-65	4L17009-05	Water	5	12/17/14 11:45	12/17/14 15:22

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5331188
Date Received: 12/17/14
Date Reported: 01/07/15
Units: ug/L

Date Sampled:	12/17/14	12/17/14	12/17/14	12/17/14	
Date Prepared:	12/22/14	12/22/14	12/22/14	12/22/14	
Date Analyzed:	12/22/14	12/22/14	12/22/14	12/22/14	
AA ID No:	4L17009-01	4L17009-02	4L17009-03	4L17009-04	
Client ID No:	QCTB-1	QCEB-1	GMW-63	GMW-64	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
8260B+OXY+TPHG (EPA 8260B)					
Acetone	<10	<10	<10	<10	10
tert-Amyl Methyl Ether (TAME)	<2.0	<2.0	<2.0	<2.0	2.0
Benzene	<0.50	<0.50	<0.50	<0.50	0.50
Bromobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Bromochloromethane	<0.50	<0.50	<0.50	<0.50	0.50
Bromodichloromethane	<0.50	<0.50	<0.50	<0.50	0.50
Bromoform	<0.50	<0.50	<0.50	<0.50	0.50
Bromomethane	<0.50	<0.50	<0.50	<0.50	0.50
2-Butanone (MEK)	<10	<10	<10	<10	10
tert-Butyl alcohol (TBA)	<10	<10	<10	<10	10
sec-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
tert-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
n-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Carbon Disulfide	<0.50	<0.50	<0.50	<0.50	0.50
Carbon Tetrachloride	<0.50	<0.50	<0.50	<0.50	0.50
Chlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Chloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Chloroform	<0.50	<0.50	<0.50	<0.50	0.50
Chloromethane	<0.50	<0.50	<0.50	<0.50	0.50
2-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	0.50
4-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dibromo-3-chloropropane	<1.0	<1.0	<1.0	<1.0	1.0
Dibromochloromethane	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dibromoethane (EDB)	<0.50	<0.50	<0.50	<0.50	0.50
Dibromomethane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A5331188
Date Received: 12/17/14
Date Reported: 01/07/15
Units: ug/L

Date Sampled:	12/17/14	12/17/14	12/17/14	12/17/14	
Date Prepared:	12/22/14	12/22/14	12/22/14	12/22/14	
Date Analyzed:	12/22/14	12/22/14	12/22/14	12/22/14	
AA ID No:	4L17009-01	4L17009-02	4L17009-03	4L17009-04	
Client ID No:	QCTB-1	QCEB-1	GMW-63	GMW-64	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
8260B+OXY+TPHG (EPA 8260B) (continued)					
1,4-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
2,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
Diisopropyl ether (DIPE)	<2.0	<2.0	<2.0	<2.0	2.0
Ethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	<2.0	<2.0	<2.0	2.0
Gasoline Range Organics (GRO)	<100	<100	<100	<100	100
Hexachlorobutadiene	<1.0	<1.0	<1.0	<1.0	1.0
2-Hexanone (MBK)	<10	<10	<10	<10	10
Isopropylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
4-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<2.0	<2.0	<2.0	<2.0	2.0
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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331188
Project No:	04-NDLA-001	**Date Received:**	12/17/14
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	01/07/15
Method:	VOCs, OXY & TPH Gasoline by GC/MS	**Units:**	ug/L

Date Sampled:	12/17/14	12/17/14	12/17/14	12/17/14	
Date Prepared:	12/22/14	12/22/14	12/22/14	12/22/14	
Date Analyzed:	12/22/14	12/22/14	12/22/14	12/22/14	
AA ID No:	4L17009-01	4L17009-02	4L17009-03	4L17009-04	
Client ID No:	QCTB-1	QCEB-1	GMW-63	GMW-64	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
8260B+OXY+TPHG (EPA 8260B) (continued)					
Styrene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Tetrachloroethylene (PCE)	<0.50	<0.50	<0.50	<0.50	0.50
Toluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Trichloroethylene (TCE)	<0.50	<0.50	<0.50	<0.50	0.50
Trichlorofluoromethane (R11)	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	<0.50	<0.50	<0.50	0.50
1,3,5-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Vinyl chloride	<0.50	<0.50	<0.50	<0.50	0.50
o-Xylene	<0.50	<0.50	<0.50	<0.50	0.50
m,p-Xylenes	<1.0	<1.0	<1.0	<1.0	1.0
Surrogates					**%REC Limits**
4-Bromofluorobenzene	89%	92%	92%	93%	70-140
Dibromofluoromethane	85%	88%	87%	88%	70-140
Toluene-d8	101%	100%	103%	101%	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331188
Project No:	04-NDLA-001	**Date Received:**	12/17/14
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	01/07/15
Method:	VOCs, OXY & TPH Gasoline by GC/MS	**Units:**	ug/L

Date Sampled:	12/17/14	
Date Prepared:	12/22/14	
Date Analyzed:	12/22/14	
AA ID No:	4L17009-05	
Client ID No:	GMW-65	
Matrix:	Water	
Dilution Factor:	1	MRL

8260B+OXY+TPHG (EPA 8260B)

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331188
Project No:	04-NDLA-001	**Date Received:**	12/17/14
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	01/07/15
Method:	VOCs, OXY & TPH Gasoline by GC/MS	**Units:**	ug/L

Date Sampled:	12/17/14	
Date Prepared:	12/22/14	
Date Analyzed:	12/22/14	
AA ID No:	4L17009-05	
Client ID No:	GMW-65	
Matrix:	Water	
Dilution Factor:	1	MRL

8260B+OXY+TPHG (EPA 8260B) (continued)

1,4-Dichlorobenzene	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	0.50
1,1-Dichloroethane	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	0.50
1,1-Dichloroethylene	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	0.50
1,2-Dichloropropane	<0.50	0.50
2,2-Dichloropropane	<0.50	0.50
1,3-Dichloropropane	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	0.50
1,1-Dichloropropylene	<0.50	0.50
Diisopropyl ether (DIPE)	<2.0	2.0
Ethylbenzene	<0.50	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	2.0
Gasoline Range Organics (GRO)	<100	100
Hexachlorobutadiene	<1.0	1.0
2-Hexanone (MBK)	<10	10
Isopropylbenzene	<0.50	0.50
4-Isopropyltoluene	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0
Methylene Chloride	<5.0	5.0
4-Methyl-2-pentanone (MIBK)	<10	10
Naphthalene	<2.0	2.0
n-Propylbenzene	<0.50	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331188
Project No:	04-NDLA-001	**Date Received:**	12/17/14
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	01/07/15
Method:	VOCs, OXY & TPH Gasoline by GC/MS	**Units:**	ug/L

Date Sampled:	12/17/14	
Date Prepared:	12/22/14	
Date Analyzed:	12/22/14	
AA ID No:	4L17009-05	
Client ID No:	GMW-65	
Matrix:	Water	
Dilution Factor:	1	MRL

8260B+OXY+TPHG (EPA 8260B) (continued)

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

Surrogates		**%REC Limits**
4-Bromofluorobenzene	94%	70-140
Dibromofluoromethane	86%	70-140
Toluene-d8	103%	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling
Method: Diesel Range Organics by GC/FID

AA Project No: A5331188
Date Received: 12/17/14
Date Reported: 01/07/15
Units: mg/L

Date Sampled:	12/17/14	12/17/14	12/17/14	
Date Prepared:	12/29/14	12/29/14	12/29/14	
Date Analyzed:	12/30/14	12/30/14	12/30/14	
AA ID No:	4L17009-03	4L17009-04	4L17009-05	
Client ID No:	GMW-63	GMW-64	GMW-65	
Matrix:	Water	Water	Water	
Dilution Factor:	1	1	1	MRL
Diesel Range Organics 8015M (EPA 8015M)				
Diesel Range Organics as Diesel	<0.10	<0.10	<0.10	0.10
Surrogates				**%REC Limits**
o-Terphenyl	79%	97%	76%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331188
Date Received: 12/17/14
Date Reported: 01/07/15

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 B4L2202 - EPA 5030B										
Blank (B4L2202-BLK1)				Prepared & Analyzed: 12/22/14						
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-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331188
Date Received: 12/17/14
Date Reported: 01/07/15

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 B4L2202 - EPA 5030B										
Blank (B4L2202-BLK1) Continued				Prepared & Analyzed: 12/22/14						
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)	<2.0	2.0	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-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331188
Date Received: 12/17/14
Date Reported: 01/07/15

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 B4L2202 - EPA 5030B										
Blank (B4L2202-BLK1) Continued				Prepared & Analyzed: 12/22/14						
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	*46.2*		*ug/L*	*50*		*92.4*	*70-140*			
Surrogate: Dibromofluoromethane	*43.0*		*ug/L*	*50*		*86.0*	*70-140*			
Surrogate: Toluene-d8	*50.9*		*ug/L*	*50*		*102*	*70-140*			
LCS (B4L2202-BS1)				Prepared: 12/22/14 Analyzed: 12/23/14						
Benzene	**18.1**	0.50	ug/L	20		90.4	75-125			
Bromodichloromethane	**19.9**	0.50	ug/L	20		99.3	75-125			
Bromoform	**21.8**	0.50	ug/L	20		109	75-125			
Carbon Tetrachloride	**18.0**	0.50	ug/L	20		90.0	75-125			
Chlorobenzene	**18.2**	0.50	ug/L	20		90.8	75-125			
Chloroethane	**18.5**	0.50	ug/L	20		92.6	75-125			
Chloroform	**16.6**	0.50	ug/L	20		83.0	75-125			
Chloromethane	**17.0**	0.50	ug/L	20		85.2	65-125			
Dibromochloromethane	**21.5**	0.50	ug/L	20		108	75-125			
1,4-Dichlorobenzene	**18.0**	0.50	ug/L	20		90.0	75-125			
1,1-Dichloroethane	**17.6**	0.50	ug/L	20		88.1	70-125			
1,2-Dichloroethane (EDC)	**17.5**	0.50	ug/L	20		87.6	75-125			
1,1-Dichloroethylene	**17.7**	0.50	ug/L	20		88.6	70-130			
trans-1,2-Dichloroethylene	**17.8**	0.50	ug/L	20		88.9	75-125			
cis-1,2-Dichloroethylene	**19.0**	0.50	ug/L	20		95.0	75-125			
1,2-Dichloropropane	**18.8**	0.50	ug/L	20		93.8	75-130			
cis-1,3-Dichloropropylene	**21.7**	0.50	ug/L	20		109	75-125			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331188
Date Received: 12/17/14
Date Reported: 01/07/15

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 B4L2202 - EPA 5030B										
LCS (B4L2202-BS1) Continued				Prepared: 12/22/14 Analyzed: 12/23/14						
Ethylbenzene	**19.6**	0.50	ug/L	20		98.2	75-125			
Methyl-tert-Butyl Ether (MTBE)	**19.0**	2.0	ug/L	20		95.0	75-125			
Methylene Chloride	**18.0**	5.0	ug/L	20		90.2	75-130			
1,1,2,2-Tetrachloroethane	**18.0**	0.50	ug/L	20		89.8	70-135			
Tetrachloroethylene (PCE)	**21.7**	0.50	ug/L	20		108	75-125			
Toluene	**19.8**	0.50	ug/L	20		99.1	75-125			
1,1,1-Trichloroethane	**17.9**	0.50	ug/L	20		89.7	75-125			
1,1,2-Trichloroethane	**19.0**	0.50	ug/L	20		95.0	75-125			
Trichloroethylene (TCE)	**18.2**	0.50	ug/L	20		91.2	75-125			
Vinyl chloride	**17.3**	0.50	ug/L	20		86.5	75-125			
o-Xylene	**18.9**	0.50	ug/L	20		94.7	75-125			
Surrogate: 4-Bromofluorobenzene	*45.3*		*ug/L*	*50*		*90.5*	*70-140*			
Surrogate: Dibromofluoromethane	*45.2*		*ug/L*	*50*		*90.3*	*70-140*			
Surrogate: Toluene-d8	*49.0*		*ug/L*	*50*		*98.0*	*70-140*			
Matrix Spike (B4L2202-MS1)		**Source: 4L17009-05**		Prepared & Analyzed: 12/22/14						
Benzene	**18.5**	0.50	ug/L	20	<0.50	92.6	70-130			
Bromoform	**20.6**	0.50	ug/L	20	<0.50	103	70-130			
Chlorobenzene	**18.7**	0.50	ug/L	20	<0.50	93.5	70-130			
Chloroform	**17.2**	0.50	ug/L	20	<0.50	86.2	70-130			
1,1-Dichloroethane	**18.4**	0.50	ug/L	20	<0.50	91.8	70-130			
1,1-Dichloroethylene	**19.6**	0.50	ug/L	20	<0.50	97.8	70-130			
cis-1,2-Dichloroethylene	**19.1**	0.50	ug/L	20	<0.50	95.6	70-130			
1,2-Dichloropropane	**18.1**	0.50	ug/L	20	<0.50	90.6	70-130			
Ethylbenzene	**20.8**	0.50	ug/L	20	<0.50	104	70-130			
Methyl-tert-Butyl Ether (MTBE)	**17.6**	2.0	ug/L	20	<2.0	87.8	70-130			
n-Propylbenzene	**19.2**	0.50	ug/L	20	<0.50	96.2	70-130			
Tetrachloroethylene (PCE)	**23.6**	0.50	ug/L	20	<0.50	118	70-130			
Toluene	**20.8**	0.50	ug/L	20	<0.50	104	70-130			
1,1,1-Trichloroethane	**19.0**	0.50	ug/L	20	<0.50	95.0	70-130			
Trichloroethylene (TCE)	**19.4**	0.50	ug/L	20	<0.50	97.0	70-130			
1,3,5-Trimethylbenzene	**19.6**	0.50	ug/L	20	<0.50	98.0	70-130			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331188
Date Received: 12/17/14
Date Reported: 01/07/15

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 B4L2202 - EPA 5030B										
Matrix Spike (B4L2202-MS1) Continued				**Source: 4L17009-05**		Prepared & Analyzed: 12/22/14				
Vinyl chloride	**18.6**	0.50	ug/L	20	<0.50	93.0	70-130			
Surrogate: 4-Bromofluorobenzene	*46.2*		*ug/L*	*50*		*92.3*	*70-140*			
Surrogate: Dibromofluoromethane	*43.9*		*ug/L*	*50*		*87.8*	*70-140*			
Surrogate: Toluene-d8	*49.3*		*ug/L*	*50*		*98.6*	*70-140*			
Matrix Spike Dup (B4L2202-MSD1)				**Source: 4L17009-05**		Prepared & Analyzed: 12/22/14				
Benzene	**18.5**	0.50	ug/L	20	<0.50	92.5	70-130	0.162	30	
Bromoform	**22.7**	0.50	ug/L	20	<0.50	114	70-130	9.63	30	
Chlorobenzene	**18.5**	0.50	ug/L	20	<0.50	92.4	70-130	1.24	30	
Chloroform	**17.1**	0.50	ug/L	20	<0.50	85.5	70-130	0.757	30	
1,1-Dichloroethane	**18.8**	0.50	ug/L	20	<0.50	93.9	70-130	2.21	30	
1,1-Dichloroethylene	**18.5**	0.50	ug/L	20	<0.50	92.7	70-130	5.35	30	
cis-1,2-Dichloroethylene	**19.4**	0.50	ug/L	20	<0.50	96.8	70-130	1.25	30	
1,2-Dichloropropane	**19.0**	0.50	ug/L	20	<0.50	94.8	70-130	4.48	30	
Ethylbenzene	**20.0**	0.50	ug/L	20	<0.50	100	70-130	3.63	30	
Methyl-tert-Butyl Ether (MTBE)	**18.8**	2.0	ug/L	20	<2.0	93.9	70-130	6.66	30	
n-Propylbenzene	**18.1**	0.50	ug/L	20	<0.50	90.7	70-130	5.89	30	
Tetrachloroethylene (PCE)	**22.3**	0.50	ug/L	20	<0.50	111	70-130	5.80	30	
Toluene	**20.1**	0.50	ug/L	20	<0.50	101	70-130	3.52	30	
1,1,1-Trichloroethane	**18.6**	0.50	ug/L	20	<0.50	93.0	70-130	2.13	30	
Trichloroethylene (TCE)	**19.0**	0.50	ug/L	20	<0.50	95.1	70-130	2.03	30	
1,3,5-Trimethylbenzene	**18.8**	0.50	ug/L	20	<0.50	93.8	70-130	4.48	30	
Vinyl chloride	**16.9**	0.50	ug/L	20	<0.50	84.6	70-130	9.51	30	
Surrogate: 4-Bromofluorobenzene	*46.2*		*ug/L*	*50*		*92.3*	*70-140*			
Surrogate: Dibromofluoromethane	*44.4*		*ug/L*	*50*		*88.7*	*70-140*			
Surrogate: Toluene-d8	*47.9*		*ug/L*	*50*		*95.8*	*70-140*			
Diesel Range Organics by GC/FID - Quality Control										
Batch B4L2908 - EPA 3510C										
Blank (B4L2908-BLK1)						Prepared: 12/29/14 Analyzed: 12/30/14				
Diesel Range Organics as Diesel	<0.10	0.10	mg/L							
Surrogate: o-Terphenyl	*0.0386*		*mg/L*	*0.040*		*96.6*	*50-150*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GW Sampling

AA Project No: A5331188
Date Received: 12/17/14
Date Reported: 01/07/15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Diesel Range Organics by GC/FID - Quality Control										
Batch B4L2908 - EPA 3510C										
LCS (B4L2908-BS1)				Prepared: 12/29/14 Analyzed: 12/30/14						
Diesel Range Organics as Diesel	**0.823**	0.10	mg/L	0.80		103	75-125			
Surrogate: o-Terphenyl	*0.0527*		*mg/L*	*0.040*		*132*	*50-150*			
LCS Dup (B4L2908-BSD1)				Prepared: 12/29/14 Analyzed: 12/30/14						
Diesel Range Organics as Diesel	**0.745**	0.10	mg/L	0.80		93.1	75-125	10.0	30	
Surrogate: o-Terphenyl	*0.0527*		*mg/L*	*0.040*		*132*	*50-150*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331188
Project No:	04-NDLA-001	**Date Received:**	12/17/14
Project Name:	DFSP Norwalk GW Sampling	**Date Reported:**	01/07/15

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.: 121478
70041818
Page 1 of 1

Client: The Source Group	**Project Name / No.:** DFSP Norwalk	**Sampler's Name:** Daves Gibson	
Project Manager: Daniel 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	8015m D	8260B										Special Instructions
QCTB-1	417009-01	12-17-14	600A	GW	2		X										
QCEB-1	2	12-17-14	1000A	GW	2		X										
GMW-63	3	12-17-14	1035A	GW	4	X	X										
GMW-64	4	12-17-14	1115A	GW	4	X	X										
GMW-65	5	12-17-14	1145A	GW	4	X	X										
~~QCEB-2~~ DL		~~12-17-14~~	~~12N~~	~~GW~~	2		X	DL									

For Laboratory Use

REVIEWED
Date 12/17/14 Time 1600
TAT N Days Sign:

A.A. Project No.: A5331188/417009

Relinquished by	Date	Time	Received by
	X 12-17-14	X 13:30	X
Relinquished by	Date 12/17/14	Time 1522	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.

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 : 10/30/14

Job: 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 :	**TB-1**						
Lab ID :	CHH14103004-01A	TPH-E (DRO)	ND		0.050 mg/L	10/30/14 14:13	10/30/14 17:23
Date Sampled	10/28/14 07:00	Surr: Nonane	97		(53-145) %REC	10/30/14 14:13	10/30/14 17:23
		TPH-P (GRO)	ND		0.050 mg/L	11/05/14	11/05/14
		Surr: 1,2-Dichloroethane-d4	107		(70-130) %REC	11/05/14	11/05/14
		Surr: Toluene-d8	93		(70-130) %REC	11/05/14	11/05/14
		Surr: 4-Bromofluorobenzene	102		(70-130) %REC	11/05/14	11/05/14
Client ID :	**EXP-5**						
Lab ID :	CHH14103004-02A	TPH-E (DRO)	ND		0.050 mg/L	10/30/14 14:13	10/30/14 17:50
Date Sampled	10/28/14 10:21	Surr: Nonane	105		(53-145) %REC	10/30/14 14:13	10/30/14 17:50
		TPH-P (GRO)	ND		0.050 mg/L	11/05/14	11/05/14
		Surr: 1,2-Dichloroethane-d4	108		(70-130) %REC	11/05/14	11/05/14
		Surr: Toluene-d8	96		(70-130) %REC	11/05/14	11/05/14
		Surr: 4-Bromofluorobenzene	105		(70-130) %REC	11/05/14	11/05/14
Client ID :	**WCW-13**						
Lab ID :	CHH14103004-03A	TPH-E (DRO)	ND		0.050 mg/L	10/30/14 14:13	10/30/14 18:16
Date Sampled	10/28/14 10:58	Surr: Nonane	95		(53-145) %REC	10/30/14 14:13	10/30/14 18:16
		TPH-P (GRO)	ND		0.050 mg/L	11/05/14	11/05/14
		Surr: 1,2-Dichloroethane-d4	109		(70-130) %REC	11/05/14	11/05/14
		Surr: Toluene-d8	93		(70-130) %REC	11/05/14	11/05/14
		Surr: 4-Bromofluorobenzene	94		(70-130) %REC	11/05/14	11/05/14
Client ID :	**EXP-4**						
Lab ID :	CHH14103004-04A	TPH-E (DRO)	0.063	C	0.050 mg/L	10/30/14 14:13	10/30/14 18:43
Date Sampled	10/28/14 11:12	Surr: Nonane	103		(53-145) %REC	10/30/14 14:13	10/30/14 18:43
		TPH-P (GRO)	ND		0.050 mg/L	11/05/14	11/05/14
		Surr: 1,2-Dichloroethane-d4	111		(70-130) %REC	11/05/14	11/05/14
		Surr: Toluene-d8	93		(70-130) %REC	11/05/14	11/05/14
		Surr: 4-Bromofluorobenzene	102		(70-130) %REC	11/05/14	11/05/14
Client ID :	**WCW-14**						
Lab ID :	CHH14103004-05A	TPH-E (DRO)	ND		0.050 mg/L	10/30/14 14:13	10/30/14 19:10
Date Sampled	10/28/14 11:36	Surr: Nonane	108		(53-145) %REC	10/30/14 14:13	10/30/14 19:10
		TPH-P (GRO)	ND		0.050 mg/L	11/05/14	11/05/14
		Surr: 1,2-Dichloroethane-d4	111		(70-130) %REC	11/05/14	11/05/14
		Surr: Toluene-d8	94		(70-130) %REC	11/05/14	11/05/14
		Surr: 4-Bromofluorobenzene	97		(70-130) %REC	11/05/14	11/05/14
Client ID :	**WCW-2**						
Lab ID :	CHH14103004-06A	TPH-E (DRO)	ND		0.050 mg/L	10/30/14 14:13	10/30/14 19:37
Date Sampled	10/28/14 12:02	Surr: Nonane	101		(53-145) %REC	10/30/14 14:13	10/30/14 19:37
		TPH-P (GRO)	ND		0.050 mg/L	11/05/14	11/05/14
		Surr: 1,2-Dichloroethane-d4	113		(70-130) %REC	11/05/14	11/05/14
		Surr: Toluene-d8	92		(70-130) %REC	11/05/14	11/05/14
		Surr: 4-Bromofluorobenzene	101		(70-130) %REC	11/05/14	11/05/14

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Client ID :	**EXP-1**					
Lab ID :	CHH14103004-07A	TPH-E (DRO)	ND	0.050 mg/L	10/30/14 14:13	10/30/14 20:03
Date Sampled	10/28/14 08:40	Surr: Nonane	103	(53-145) %REC	10/30/14 14:13	10/30/14 20:03
		TPH-P (GRO)	ND	0.050 mg/L	11/05/14	11/05/14
		Surr: 1,2-Dichloroethane-d4	112	(70-130) %REC	11/05/14	11/05/14
		Surr: Toluene-d8	93	(70-130) %REC	11/05/14	11/05/14
		Surr: 4-Bromofluorobenzene	102	(70-130) %REC	11/05/14	11/05/14
Client ID :	**EXP-3**					
Lab ID :	CHH14103004-08A	TPH-E (DRO)	ND	0.050 mg/L	10/30/14 14:13	10/30/14 20:30
Date Sampled	10/28/14 09:25	Surr: Nonane	105	(53-145) %REC	10/30/14 14:13	10/30/14 20:30
		TPH-P (GRO)	ND	0.050 mg/L	11/05/14	11/05/14
		Surr: 1,2-Dichloroethane-d4	114	(70-130) %REC	11/05/14	11/05/14
		Surr: Toluene-d8	93	(70-130) %REC	11/05/14	11/05/14
		Surr: 4-Bromofluorobenzene	100	(70-130) %REC	11/05/14	11/05/14
Client ID :	**EXP-2**					
Lab ID :	CHH14103004-09A	TPH-E (DRO)	ND	0.050 mg/L	10/30/14 14:13	10/30/14 20:57
Date Sampled	10/28/14 10:10	Surr: Nonane	120	(53-145) %REC	10/30/14 14:13	10/30/14 20:57
		TPH-P (GRO)	ND	0.050 mg/L	11/05/14	11/05/14
		Surr: 1,2-Dichloroethane-d4	115	(70-130) %REC	11/05/14	11/05/14
		Surr: Toluene-d8	92	(70-130) %REC	11/05/14	11/05/14
		Surr: 4-Bromofluorobenzene	98	(70-130) %REC	11/05/14	11/05/14
Client ID :	**WCW-8**					
Lab ID :	CHH14103004-10A	TPH-E (DRO)	ND	0.050 mg/L	10/30/14 14:13	10/30/14 22:44
Date Sampled	10/28/14 12:08	Surr: Nonane	101	(53-145) %REC	10/30/14 14:13	10/30/14 22:44
		TPH-P (GRO)	ND	0.050 mg/L	11/05/14	11/05/14
		Surr: 1,2-Dichloroethane-d4	116	(70-130) %REC	11/05/14	11/05/14
		Surr: Toluene-d8	93	(70-130) %REC	11/05/14	11/05/14
		Surr: 4-Bromofluorobenzene	97	(70-130) %REC	11/05/14	11/05/14
Client ID :	**WCW-3**					
Lab ID :	CHH14103004-11A	TPH-E (DRO)	ND	0.050 mg/L	10/30/14 14:13	10/30/14 23:10
Date Sampled	10/28/14 12:44	Surr: Nonane	111	(53-145) %REC	10/30/14 14:13	10/30/14 23:10
		TPH-P (GRO)	ND	0.050 mg/L	11/05/14	11/05/14
		Surr: 1,2-Dichloroethane-d4	116	(70-130) %REC	11/05/14	11/05/14
		Surr: Toluene-d8	93	(70-130) %REC	11/05/14	11/05/14
		Surr: 4-Bromofluorobenzene	101	(70-130) %REC	11/05/14	11/05/14
Client ID :	**EB-1**					
Lab ID :	CHH14103004-12A	TPH-E (DRO)	ND	0.050 mg/L	10/30/14 14:13	10/30/14 23:37
Date Sampled	10/28/14 12:56	Surr: Nonane	105	(53-145) %REC	10/30/14 14:13	10/30/14 23:37
		TPH-P (GRO)	ND	0.050 mg/L	11/05/14	11/05/14
		Surr: 1,2-Dichloroethane-d4	112	(70-130) %REC	11/05/14	11/05/14
		Surr: Toluene-d8	93	(70-130) %REC	11/05/14	11/05/14
		Surr: 4-Bromofluorobenzene	101	(70-130) %REC	11/05/14	11/05/14
Client ID :	**WCW-12**					
Lab ID :	CHH14103004-13A	TPH-E (DRO)	ND	0.050 mg/L	10/30/14 14:13	10/31/14 00:04
Date Sampled	10/28/14 13:19	Surr: Nonane	105	(53-145) %REC	10/30/14 14:13	10/31/14 00:04
		TPH-P (GRO)	ND	0.050 mg/L	11/05/14	11/05/14
		Surr: 1,2-Dichloroethane-d4	113	(70-130) %REC	11/05/14	11/05/14
		Surr: Toluene-d8	93	(70-130) %REC	11/05/14	11/05/14
		Surr: 4-Bromofluorobenzene	96	(70-130) %REC	11/05/14	11/05/14
Client ID :	**WCW-6**					
Lab ID :	CHH14103004-14A	TPH-E (DRO)	ND	0.050 mg/L	10/30/14 14:13	10/31/14 00:30
Date Sampled	10/28/14 13:56	Surr: Nonane	101	(53-145) %REC	10/30/14 14:13	10/31/14 00:30
		TPH-P (GRO)	ND	0.050 mg/L	11/05/14	11/05/14
		Surr: 1,2-Dichloroethane-d4	114	(70-130) %REC	11/05/14	11/05/14
		Surr: Toluene-d8	93	(70-130) %REC	11/05/14	11/05/14
		Surr: 4-Bromofluorobenzene	98	(70-130) %REC	11/05/14	11/05/14

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Client ID :	**WCW-4**						
Lab ID :	CHH14103004-15A	TPH-E (DRO)	ND		0.050 mg/L	10/30/14 14:13	10/31/14 00:57
Date Sampled	10/28/14 13:57	Surr: Nonane	105		(53-145) %REC	10/30/14 14:13	10/31/14 00:57
		TPH-P (GRO)	ND		0.050 mg/L	11/05/14	11/05/14
		Surr: 1,2-Dichloroethane-d4	115		(70-130) %REC	11/05/14	11/05/14
		Surr: Toluene-d8	93		(70-130) %REC	11/05/14	11/05/14
		Surr: 4-Bromofluorobenzene	100		(70-130) %REC	11/05/14	11/05/14
Client ID :	**WCW-7**						
Lab ID :	CHH14103004-16A	TPH-E (DRO)	ND		0.050 mg/L	10/30/14 14:13	10/31/14 01:24
Date Sampled	10/28/14 14:29	Surr: Nonane	110		(53-145) %REC	10/30/14 14:13	10/31/14 01:24
		TPH-P (GRO)	ND	O	0.10 mg/L	11/05/14	11/05/14
		Surr: 1,2-Dichloroethane-d4	116		(70-130) %REC	11/05/14	11/05/14
		Surr: Toluene-d8	91		(70-130) %REC	11/05/14	11/05/14
		Surr: 4-Bromofluorobenzene	103		(70-130) %REC	11/05/14	11/05/14
Client ID :	**WCW-5**						
Lab ID :	CHH14103004-17A	TPH-E (DRO)	ND		0.050 mg/L	10/30/14 14:13	10/31/14 01:50
Date Sampled	10/28/14 14:40	Surr: Nonane	109		(53-145) %REC	10/30/14 14:13	10/31/14 01:50
		TPH-P (GRO)	ND		0.050 mg/L	11/05/14	11/05/14
		Surr: 1,2-Dichloroethane-d4	112		(70-130) %REC	11/05/14	11/05/14
		Surr: Toluene-d8	92		(70-130) %REC	11/05/14	11/05/14
		Surr: 4-Bromofluorobenzene	97		(70-130) %REC	11/05/14	11/05/14
Client ID :	**EB-2**						
Lab ID :	CHH14103004-18A	TPH-E (DRO)	ND		0.050 mg/L	10/30/14 14:13	10/31/14 03:10
Date Sampled	10/28/14 15:00	Surr: Nonane	119		(53-145) %REC	10/30/14 14:13	10/31/14 03:10
		TPH-P (GRO)	ND		0.050 mg/L	11/05/14	11/05/14
		Surr: 1,2-Dichloroethane-d4	116		(70-130) %REC	11/05/14	11/05/14
		Surr: Toluene-d8	93		(70-130) %REC	11/05/14	11/05/14
		Surr: 4-Bromofluorobenzene	99		(70-130) %REC	11/05/14	11/05/14

C = Reported concentration includes additional compounds uncharacteristic of common fuels and lubricants.
Diesel Range Organics (DRO) C13-C22
Gasoline Range Organics (GRO) C4-C13
O = Reporting Limits were increased due to sample foaming.
ND = Not Detected

ACCLASS ACCREDITED DoD ELAP

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer

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.

11/7/14

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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103004-01A
Client I.D. Number: TB-1

Sampled: 10/28/14 07:00
Received: 10/30/14
Extracted: 11/05/14
Analyzed: 11/05/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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	93	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	102	(70-130)	%REC

ND = Not Detected

ACLASS ACCREDITED DoD ELAP

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer

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11/7/14
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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103004-02A
Client I.D. Number: EXP-5

Sampled: 10/28/14 10:21
Received: 10/30/14
Extracted: 11/05/14
Analyzed: 11/05/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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	96	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	105	(70-130)	%REC

ND = Not Detected

ACLASS ACCREDITED DoD ELAP

Roger Scholl Randy Gardner Walter Hinchman

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11/7/14
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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103004-03A
Client I.D. Number: WCW-13

Sampled: 10/28/14 10:58
Received: 10/30/14
Extracted: 11/05/14
Analyzed: 11/05/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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	93	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	94	(70-130)	%REC

ND = Not Detected

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Roger Scholl Randy Gardner Walter Hinchman

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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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103004-04A
Client I.D. Number: EXP-4

Sampled: 10/28/14 11:12
Received: 10/30/14
Extracted: 11/05/14
Analyzed: 11/05/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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	93	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	102	(70-130)	%REC

ND = Not Detected

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11/7/14
Report Date

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ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103004-05A
Client I.D. Number: WCW-14

Sampled: 10/28/14 11:36
Received: 10/30/14
Extracted: 11/05/14
Analyzed: 11/05/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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	94	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	97	(70-130)	%REC

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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ACCLASS ACCREDITED DoD ELAP

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11/7/14
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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103004-06A
Client I.D. Number: WCW-2

Sampled: 10/28/14 12:02
Received: 10/30/14
Extracted: 11/05/14
Analyzed: 11/05/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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	92	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	101	(70-130)	%REC

ND = Not Detected

11/7/14
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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103004-07A
Client I.D. Number: EXP-1

Sampled: 10/28/14 08:40
Received: 10/30/14
Extracted: 11/05/14
Analyzed: 11/05/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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)	1.3	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	112	(70-130)	%REC
73	Surr: Toluene-d8	93	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	102	(70-130)	%REC

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

ACLASS ACCREDITED DoD ELAP

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11/7/14
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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103004-08A
Client I.D. Number: EXP-3

Sampled: 10/28/14 09:25
Received: 10/30/14
Extracted: 11/05/14
Analyzed: 11/05/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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	0.52	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	100	(70-130)	%REC

ND = Not Detected

ACCLASS ACCREDITED DoD ELAP

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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11/7/14
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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103004-09A
Client I.D. Number: EXP-2

Sampled: 10/28/14 10:10
Received: 10/30/14
Extracted: 11/05/14
Analyzed: 11/05/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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	92	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	98	(70-130)	%REC

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer

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11/7/14
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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103004-10A
Client I.D. Number: WCW-8

Sampled: 10/28/14 12:08
Received: 10/30/14
Extracted: 11/05/14
Analyzed: 11/05/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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	97	(70-130)	%REC

ND = Not Detected

ACLASS ACCREDITED DoD ELAP

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer

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11/7/14
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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103004-11A
Client I.D. Number: WCW-3

Sampled: 10/28/14 12:44
Received: 10/30/14
Extracted: 11/05/14
Analyzed: 11/05/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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	0.84	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	101	(70-130)	%REC

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer

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11/7/14
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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103004-12A
Client I.D. Number: EB-1

Sampled: 10/28/14 12:56
Received: 10/30/14
Extracted: 11/05/14
Analyzed: 11/05/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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	93	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	101	(70-130)	%REC

ND = Not Detected

ACLASS ACCREDITED DoD ELAP

Roger Scholl Randy Gardner Walter Hinchman

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11/7/14
Report Date

Alpha Analytical, Inc.

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ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103004-13A
Client I.D. Number: WCW-12

Sampled: 10/28/14 13:19
Received: 10/30/14
Extracted: 11/05/14
Analyzed: 11/05/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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	93	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	96	(70-130)	%REC

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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11/7/14
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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103004-14A
Client I.D. Number: WCW-6

Sampled: 10/28/14 13:56
Received: 10/30/14
Extracted: 11/05/14
Analyzed: 11/05/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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	98	(70-130)	%REC

ND = Not Detected

ACLASS ACCREDITED DoD ELAP

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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11/7/14
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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103004-15A
Client I.D. Number: WCW-4

Sampled: 10/28/14 13:57
Received: 10/30/14
Extracted: 11/05/14
Analyzed: 11/05/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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	93	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	100	(70-130)	%REC

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer

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11/7/14
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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103004-16A
Client I.D. Number: WCW-7

Sampled: 10/28/14 14:29
Received: 10/30/14
Extracted: 11/05/14
Analyzed: 11/05/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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)	ND	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)	0.51	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)	1.2	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	7.5	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	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	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	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	116	(70-130)	%REC
73	Surr: Toluene-d8	91	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	103	(70-130)	%REC

Some Reporting Limits were increased due to sample foaming.

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer

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ACCLASS ACCREDITED DoD ELAP

11/7/14
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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103004-17A
Client I.D. Number: WCW-5

Sampled: 10/28/14 14:40
Received: 10/30/14
Extracted: 11/05/14
Analyzed: 11/05/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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	92	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	97	(70-130)	%REC

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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.

ACCREDITED DoD ELAP

11/7/14
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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103004-18A
Client I.D. Number: EB-2

Sampled: 10/28/14 15:00
Received: 10/30/14
Extracted: 11/05/14
Analyzed: 11/05/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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	99	(70-130)	%REC

ND = Not Detected

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11/7/14
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: CHH14103004 **Job:** DFSP Norwalk

Alpha's Sample ID	Client's Sample ID	Matrix	pH
14103004-01A	TB-1	Aqueous	2
14103004-02A	EXP-5	Aqueous	2
14103004-03A	WCW-13	Aqueous	2
14103004-04A	EXP-4	Aqueous	2
14103004-05A	WCW-14	Aqueous	2
14103004-06A	WCW-2	Aqueous	2
14103004-07A	EXP-1	Aqueous	2
14103004-08A	EXP-3	Aqueous	2
14103004-09A	EXP-2	Aqueous	2
14103004-10A	WCW-8	Aqueous	2
14103004-11A	WCW-3	Aqueous	2
14103004-12A	EB-1	Aqueous	2
14103004-13A	WCW-12	Aqueous	2
14103004-14A	WCW-6	Aqueous	2
14103004-15A	WCW-4	Aqueous	2
14103004-16A	WCW-7	Aqueous	2
14103004-17A	WCW-5	Aqueous	2
14103004-18A	EB-2	Aqueous	2

11/7/14

Report Date

Alpha Analytical, Inc.

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Date: *07-Nov-14*

QC Summary Report

Work Order: 14103004

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B/C Ext**

File ID: **1** Batch ID: **33775** Analysis Date: **10/30/2014 16:03**

Sample ID: **MBLK-33775** Units : **mg/L** Run ID: **MANUAL_141030F** Prep Date: **10/30/2014 14:13**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	ND	0.05								
Surr: Nonane	0.192		0.15		128	53	145			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B/C Ext**

File ID: **2** Batch ID: **33775** Analysis Date: **10/30/2014 16:30**

Sample ID: **LCS-33775** Units : **mg/L** Run ID: **MANUAL_141030F** Prep Date: **10/30/2014 14:13**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.81	0.05	2.5		113	70	130			
Surr: Nonane	0.16		0.15		107	53	145			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B/C Ext**

File ID: **21** Batch ID: **33775** Analysis Date: **10/31/2014 02:17**

Sample ID: **14103004-17AMS** Units : **mg/L** Run ID: **MANUAL_141030F** Prep Date: **10/30/2014 14:13**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.81	0.05	2.5	0	112	51	151			
Surr: Nonane	0.158		0.15		105	53	145			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B/C Ext**

File ID: **22** Batch ID: **33775** Analysis Date: **10/31/2014 02:43**

Sample ID: **14103004-17AMSD** Units : **mg/L** Run ID: **MANUAL_141030F** Prep Date: **10/30/2014 14:13**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.77	0.05	2.5	0	111	51	151	2.805	1.2(40)	
Surr: Nonane	0.183		0.15		122	53	145			

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: *07-Nov-14*

QC Summary Report

Work Order: 14103004

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **C:\HPCHEM\MS10\DATA\141105\14110505.D** Batch ID: **MS10W1105B** Analysis Date: **11/05/2014 11:43**

Sample ID: **MBLK MS10W1105B** Units : **mg/L** Run ID: **MSD_10_141105A** Prep Date: **11/05/2014 11:43**

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	0.00938		0.01		94	70	130			
Surr: 4-Bromofluorobenzene	0.0091		0.01		91	70	130			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **C:\HPCHEM\MS10\DATA\141105\14110503.D** Batch ID: **MS10W1105B** Analysis Date: **11/05/2014 10:55**

Sample ID: **GLCS MS10W1105B** Units : **mg/L** Run ID: **MSD_10_141105A** Prep Date: **11/05/2014 10:55**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	0.416	0.05	0.4		104	70	130			
Surr: 1,2-Dichloroethane-d4	0.0109		0.01		109	70	130			
Surr: Toluene-d8	0.00914		0.01		91	70	130			
Surr: 4-Bromofluorobenzene	0.0104		0.01		104	70	130			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **C:\HPCHEM\MS10\DATA\141105\14110518.D** Batch ID: **MS10W1105B** Analysis Date: **11/05/2014 16:19**

Sample ID: **14103004-02AGS** Units : **mg/L** Run ID: **MSD_10_141105A** Prep Date: **11/05/2014 16:19**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2.02	0.25	2	0	101	54	143			
Surr: 1,2-Dichloroethane-d4	0.0543		0.05		109	70	130			
Surr: Toluene-d8	0.0447		0.05		89	70	130			
Surr: 4-Bromofluorobenzene	0.0506		0.05		101	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **C:\HPCHEM\MS10\DATA\141105\14110519.D** Batch ID: **MS10W1105B** Analysis Date: **11/05/2014 16:40**

Sample ID: **14103004-02AGSD** Units : **mg/L** Run ID: **MSD_10_141105A** Prep Date: **11/05/2014 16:40**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2.13	0.25	2	0	106	54	143	2.023	5.0(23)	
Surr: 1,2-Dichloroethane-d4	0.0554		0.05		111	70	130			
Surr: Toluene-d8	0.0461		0.05		92	70	130			
Surr: 4-Bromofluorobenzene	0.0509		0.05		102	70	130			

Comments:

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Date: *07-Nov-14*

QC Summary Report

Work Order: 14103004

Method Blank Type **MBLK** Test Code: **EPA Method SW8260B**

File ID: **C:\HPCHEM\MS10\DATA\141105\14110505.D** Batch ID: **MS10W1105A** Analysis Date: **11/05/2014 11:43**

Sample ID: **MBLK MS10W1105A** Units : **µg/L** Run ID: **MSD_10_141105A** Prep Date: **11/05/2014 11:43**

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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Date: *07-Nov-14*

QC Summary Report

Work Order: 14103004

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	10.8		10	108	70	130
Surr: Toluene-d8	9.38		10	94	70	130
Surr: 4-Bromofluorobenzene	9.1		10	91	70	130

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Date: 07-Nov-14

QC Summary Report

Work Order: 14103004

Laboratory Control Spike Type **LCS** Test Code: **EPA Method SW8260B**

File ID: **C:\HPCHEM\MS10\DATA\141105\14110502.D** Batch ID: **MS10W1105A** Analysis Date: **11/05/2014 10:33**

Sample ID: **LCS MS10W1105A** Units : **µg/L** Run ID: **MSD_10_141105A** Prep Date: **11/05/2014 10:33**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	7.5	1	10		75	32	145			
Chloromethane	7.95	2	10		80	40	145			
Vinyl chloride	8.75	1	10		88	80	120			
Chloroethane	8.66	1	10		87	38	156			
Bromomethane	7.43	2	10		74	14	162			
Trichlorofluoromethane	11.7	1	10		117	46	154			
Acetone	207	10	200		103	22	188			
1,1-Dichloroethene	9.2	1	10		92	80	120			
Tertiary Butyl Alcohol (TBA)	78.1	10	100		78	48	148			
Dichloromethane	6.96	2	10		70	69	130			
Freon-113	7.88	1	10		79	70	136			
trans-1,2-Dichloroethene	9.2	1	10		92	70	130			
Methyl tert-butyl ether (MTBE)	8.56	0.5	10		86	63	137			
1,1-Dichloroethane	9.31	1	10		93	70	130			
2-Butanone (MEK)	202	10	200		101	26	183			
Di-isopropyl Ether (DIPE)	9.17	1	10		92	69	133			
cis-1,2-Dichloroethene	9.47	1	10		95	70	130			
Bromochloromethane	8.9	1	10		89	70	133			
Chloroform	9.59	1	10		96	80	120			
Ethyl Tertiary Butyl Ether (ETBE)	9.13	1	10		91	66	135			
2,2-Dichloropropane	10.5	1	10		105	70	149			
1,2-Dichloroethane	10.1	1	10		101	70	133			
1,1,1-Trichloroethane	9.99	1	10		99.9	70	135			
1,1-Dichloropropene	9.6	1	10		96	70	130			
Carbon tetrachloride	10	1	10		100	63	143			
Benzene	9.12	0.5	10		91	70	130			
Tertiary Amyl Methyl Ether (TAME)	8.98	1	10		90	70	133			
Dibromomethane	9.64	1	10		96	70	130			
1,2-Dichloropropane	9.54	1	10		95	80	120			
Trichloroethene	8.99	1	10		90	68	138			
Bromodichloromethane	10.3	1	10		103	58	147			
4-Methyl-2-pentanone (MIBK)	22.9	2.5	25		92	59	140			
cis-1,3-Dichloropropene	9.22	1	10		92	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	8.84	0.5	10		88	80	120			
1,3-Dichloropropane	8.1	1	10		81	70	130			
2-Hexanone	138	5	100		138	48	157			
Dibromochloromethane	8.06	1	10		81	49	147			
1,2-Dibromoethane (EDB)	16.5	2	20		82	70	131			
Tetrachloroethene	8.55	1	10		86	70	130			
Chlorobenzene	9.13	1	10		91	70	130			
Ethylbenzene	9.5	0.5	10		95	80	120			
m,p-Xylene	9.28	0.5	10		93	65	139			
Bromoform	7.87	1	10		79	60	144			
Styrene	9.64	1	10		96	55	144			
o-Xylene	9.59	0.5	10		96	70	130			
1,1,2,2-Tetrachloroethane	9.41	1	10		94	70	130			
1,2,3-Trichloropropane	17.9	2	20		90	70	130			
Isopropylbenzene	10.9	1	10		109	69	136			
Bromobenzene	9.94	1	10		99	70	130			
n-Propylbenzene	9.28	1	10		93	70	132			
4-Chlorotoluene	10.4	1	10		104	70	132			
2-Chlorotoluene	10.2	1	10		102	70	130			
1,3,5-Trimethylbenzene	9.32	1	10		93	70	134			
tert-Butylbenzene	9.25	1	10		93	63	139			
1,2,4-Trimethylbenzene	10.5	1	10		105	70	133			
sec-Butylbenzene	10.6	1	10		106	70	132			
1,3-Dichlorobenzene	9.66	1	10		97	70	130			
1,4-Dichlorobenzene	9.55	1	10		96	70	130			
4-Isopropyltoluene	10.5	1	10		105	40	161			
1,2-Dichlorobenzene	9.26	1	10		93	70	130			
n-Butylbenzene	10.3	1	10		103	69	134			
1,2-Dibromo-3-chloropropane (DBCP)	33.4	3	50		67	67	130			
1,2,4-Trichlorobenzene	7.9	2	10		79	62	131			

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *07-Nov-14*

QC Summary Report

Work Order: 14103004

Naphthalene	6.45	2	10	65	39	149
1,2,3-Trichlorobenzene	7.91	2	10	79	54	135
Xylenes, Total	18.9	0.5	20	94	70	130
Surr: 1,2-Dichloroethane-d4	11		10	110	70	130
Surr: Toluene-d8	9.4		10	94	70	130
Surr: 4-Bromofluorobenzene	10.3		10	103	70	130

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Date: 07-Nov-14

QC Summary Report

Work Order: 14103004

Sample Matrix Spike Type **MS** Test Code: **EPA Method SW8260B**

File ID: **C:\HPCHEM\MS10\DATA\141105\14110516.D** Batch ID: **MS10W1105A** Analysis Date: **11/05/2014 15:36**

Sample ID: **14103004-02AMS** Units : **µg/L** Run ID: **MSD_10_141105A** Prep Date: **11/05/2014 15:36**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	41.7	2.5	50	0	83	12	150			
Chloromethane	42.6	10	50	0	85	26	146			
Vinyl chloride	47.8	2.5	50	0	96	46	142			
Chloroethane	47.1	2.5	50	0	94	25	164			
Bromomethane	30.2	10	50	0	60	10	172			
Trichlorofluoromethane	65.2	2.5	50	0	130	32	164			
Acetone	1020	50	1000	0	102	10	188			
1,1-Dichloroethene	49.2	2.5	50	0	98	62	133			
Tertiary Butyl Alcohol (TBA)	401	25	500	0	80	44	155			
Dichloromethane	37.9	10	50	0	76	69	130			
Freon-113	43.3	2.5	50	0	87	56	144			
trans-1,2-Dichloroethene	49.6	2.5	50	0	99	67	131			
Methyl tert-butyl ether (MTBE)	46.9	1.3	50	0	94	56	140			
1,1-Dichloroethane	50.6	2.5	50	0	101	67	130			
2-Butanone (MEK)	1060	50	1000	0	106	26	183			
Di-isopropyl Ether (DIPE)	49.6	2.5	50	0	99	59	138			
cis-1,2-Dichloroethene	51	2.5	50	0	102	70	130			
Bromochloromethane	48.3	2.5	50	0	97	70	134			
Chloroform	51.8	2.5	50	0	104	69	130			
Ethyl Tertiary Butyl Ether (ETBE)	49.8	2.5	50	0	99.5	62	135			
2,2-Dichloropropane	51.7	2.5	50	0	103	44	149			
1,2-Dichloroethane	56.5	2.5	50	0	113	64	139			
1,1,1-Trichloroethane	53.7	2.5	50	0	107	65	139			
1,1-Dichloropropene	52.7	2.5	50	0	105	68	134			
Carbon tetrachloride	53.9	2.5	50	0	108	56	146			
Benzene	49.6	1.3	50	0	99	67	134			
Tertiary Amyl Methyl Ether (TAME)	49.6	2.5	50	0	99	64	135			
Dibromomethane	54	2.5	50	0	108	70	132			
1,2-Dichloropropane	51.4	2.5	50	0	103	69	134			
Trichloroethene	48.3	2.5	50	0	97	68	138			
Bromodichloromethane	56.1	2.5	50	0	112	58	147			
4-Methyl-2-pentanone (MIBK)	130	13	125	0	104	49	140			
cis-1,3-Dichloropropene	49.3	2.5	50	0	99	61	130			
trans-1,3-Dichloropropene	55.2	2.5	50	0	110	62	131			
1,1,2-Trichloroethane	53.5	2.5	50	0	107	70	131			
Toluene	47.7	1.3	50	0	95	38	130			
1,3-Dichloropropane	45.2	2.5	50	0	90	70	130			
2-Hexanone	470	25	500	0	94	25	157			
Dibromochloromethane	44	2.5	50	0	88	49	147			
1,2-Dibromoethane (EDB)	90.9	5	100	0	91	70	131			
Tetrachloroethene	46.1	2.5	50	0	92	63	134			
1,1,1,2-Tetrachloroethane	54.8	2.5	50	0	110	70	133			
Chlorobenzene	50.9	2.5	50	0	102	70	130			
Ethylbenzene	52	1.3	50	0	104	70	130			
m,p-Xylene	50.8	1.3	50	0	102	65	139			
Bromoform	43.1	2.5	50	0	86	60	144			
Styrene	52.5	2.5	50	0	105	53	144			
o-Xylene	52.1	1.3	50	0	104	69	130			
1,1,2,2-Tetrachloroethane	53.7	2.5	50	0	107	67	134			
1,2,3-Trichloropropane	104	10	100	0	104	70	130			
Isopropylbenzene	58.1	2.5	50	0	116	64	136			
Bromobenzene	53.7	2.5	50	0	107	69	130			
n-Propylbenzene	48.9	2.5	50	0	98	65	132			
4-Chlorotoluene	56.6	2.5	50	0	113	69	132			
2-Chlorotoluene	55.9	2.5	50	0	112	69	130			
1,3,5-Trimethylbenzene	49.9	2.5	50	0	99.9	64	135			
tert-Butylbenzene	48.5	2.5	50	0	97	63	139			
1,2,4-Trimethylbenzene	56.1	2.5	50	0	112	62	135			
sec-Butylbenzene	54.4	2.5	50	0	109	68	132			
1,3-Dichlorobenzene	52.7	2.5	50	0	105	70	130			
1,4-Dichlorobenzene	53.6	2.5	50	0	107	70	130			
4-Isopropyltoluene	55.7	2.5	50	0	111	40	161			
1,2-Dichlorobenzene	51.7	2.5	50	0	103	70	130			
n-Butylbenzene	55.5	2.5	50	0	111	58	135			
1,2-Dibromo-3-chloropropane (DBCP)	183	15	250	0	73	63	131			

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Date: *07-Nov-14*

QC Summary Report

Work Order: 14103004

1,2,4-Trichlorobenzene	43.9	10	50	0	88	57	134
Naphthalene	35	10	50	0	70	31	157
1,2,3-Trichlorobenzene	43.8	10	50	0	88	52	138
Xylenes, Total	103	1.3	100	0	103	70	130
Surr: 1,2-Dichloroethane-d4	56.5		50		113	70	130
Surr: Toluene-d8	45.8		50		92	70	130
Surr: 4-Bromofluorobenzene	52.8		50		106	70	130

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Date: 07-Nov-14

QC Summary Report

Work Order: 14103004

Sample Matrix Spike Duplicate Type **MSD** Test Code: **EPA Method SW8260B**

File ID: **C:\HPCHEM\MS10\DATA\141105\14110517.D** Batch ID: **MS10W1105A** Analysis Date: **11/05/2014 15:58**

Sample ID: **14103004-02AMSD** Units : **µg/L** Run ID: **MSD_10_141105A** Prep Date: **11/05/2014 15:58**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	40.9	2.5	50	0	82	12	150	41.72	1.9(38)	
Chloromethane	44.1	10	50	0	88	26	146	42.56	3.5(31)	
Vinyl chloride	48.7	2.5	50	0	97	46	142	47.76	2.0(25)	
Chloroethane	47.2	2.5	50	0	94	25	164	47.06	0.4(40)	
Bromomethane	35.8	10	50	0	72	10	172	30.17	16.9(40)	
Trichlorofluoromethane	63.9	2.5	50	0	128	32	164	65.17	1.9(34)	
Acetone	1010	50	1000	0	101	10	188	1017	1.0(39)	
1,1-Dichloroethene	49.3	2.5	50	0	99	62	133	49.2	0.2(35)	
Tertiary Butyl Alcohol (TBA)	416	25	500	0	83	44	155	400.7	3.8(33)	
Dichloromethane	38.3	10	50	0	77	69	130	37.87	1.1(26)	
Freon-113	43	2.5	50	0	86	56	144	43.33	0.8(40)	
trans-1,2-Dichloroethene	49.5	2.5	50	0	99	67	131	49.55	0.1(27)	
Methyl tert-butyl ether (MTBE)	47.6	1.3	50	0	95	56	140	46.87	1.5(40)	
1,1-Dichloroethane	50.4	2.5	50	0	101	67	130	50.62	0.5(20)	
2-Butanone (MEK)	1070	50	1000	0	107	26	183	1061	0.5(22)	
Di-isopropyl Ether (DIPE)	49.9	2.5	50	0	99.7	59	138	49.55	0.6(20)	
cis-1,2-Dichloroethene	51.1	2.5	50	0	102	70	130	51.01	0.2(20)	
Bromochloromethane	47.9	2.5	50	0	96	70	134	48.29	0.8(20)	
Chloroform	51.7	2.5	50	0	103	69	130	51.77	0.1(22)	
Ethyl Tertiary Butyl Ether (ETBE)	50.1	2.5	50	0	100	62	135	49.76	0.6(40)	
2,2-Dichloropropane	51.6	2.5	50	0	103	44	149	51.7	0.3(23)	
1,2-Dichloroethane	55.8	2.5	50	0	112	64	139	56.5	1.3(20)	
1,1,1-Trichloroethane	53.5	2.5	50	0	107	65	139	53.72	0.5(20)	
1,1-Dichloropropene	52.6	2.5	50	0	105	68	134	52.66	0.2(20)	
Carbon tetrachloride	53.9	2.5	50	0	108	56	146	53.86	0.1(21)	
Benzene	49.4	1.3	50	0	99	67	134	49.56	0.3(21)	
Tertiary Amyl Methyl Ether (TAME)	49.5	2.5	50	0	99	64	135	49.64	0.3(31)	
Dibromomethane	54.1	2.5	50	0	108	70	132	54.01	0.2(20)	
1,2-Dichloropropane	52	2.5	50	0	104	69	134	51.35	1.2(20)	
Trichloroethene	48.4	2.5	50	0	97	68	138	48.34	0.0(20)	
Bromodichloromethane	56.2	2.5	50	0	112	58	147	56.06	0.2(20)	
4-Methyl-2-pentanone (MIBK)	129	13	125	0	103	49	140	129.6	0.4(24)	
cis-1,3-Dichloropropene	49.3	2.5	50	0	99	61	130	49.32	0.1(20)	
trans-1,3-Dichloropropene	55.4	2.5	50	0	111	62	131	55.24	0.2(21)	
1,1,2-Trichloroethane	53.2	2.5	50	0	106	70	131	53.54	0.7(20)	
Toluene	47.2	1.3	50	0	94	38	130	47.71	1.0(20)	
1,3-Dichloropropane	44.4	2.5	50	0	89	70	130	45.16	1.6(20)	
2-Hexanone	464	25	500	0	93	25	157	470	1.2(23)	
Dibromochloromethane	44	2.5	50	0	88	49	147	43.99	0.0(20)	
1,2-Dibromoethane (EDB)	89.5	5	100	0	89	70	131	90.88	1.6(20)	
Tetrachloroethene	46.6	2.5	50	0	93	63	134	46.13	1.0(20)	
1,1,1,2-Tetrachloroethane	54.5	2.5	50	0	109	70	133	54.76	0.6(20)	
Chlorobenzene	50.4	2.5	50	0	101	70	130	50.92	1.0(20)	
Ethylbenzene	51.4	1.3	50	0	103	70	130	51.96	1.2(20)	
m,p-Xylene	50.5	1.3	50	0	101	65	139	50.82	0.6(20)	
Bromoform	43	2.5	50	0	86	60	144	43.09	0.3(21)	
Styrene	51.9	2.5	50	0	104	53	144	52.5	1.1(31)	
o-Xylene	52	1.3	50	0	104	69	130	52.12	0.3(20)	
1,1,2,2-Tetrachloroethane	53.9	2.5	50	0	108	67	134	53.67	0.3(20)	
1,2,3-Trichloropropane	102	10	100	0	102	70	130	103.5	1.3(20)	
Isopropylbenzene	58.5	2.5	50	0	117	64	136	58.06	0.8(20)	
Bromobenzene	55.2	2.5	50	0	110	69	130	53.69	2.7(20)	
n-Propylbenzene	50.3	2.5	50	0	101	65	132	48.88	2.9(40)	
4-Chlorotoluene	57.9	2.5	50	0	116	69	132	56.64	2.3(20)	
2-Chlorotoluene	56.3	2.5	50	0	113	69	130	55.86	0.7(20)	
1,3,5-Trimethylbenzene	50.4	2.5	50	0	101	64	135	49.93	0.8(21)	
tert-Butylbenzene	49.9	2.5	50	0	99.7	63	139	48.53	2.7(20)	
1,2,4-Trimethylbenzene	57.3	2.5	50	0	115	62	135	56.07	2.1(24)	
sec-Butylbenzene	57.4	2.5	50	0	115	68	132	54.37	5.4(20)	
1,3-Dichlorobenzene	53	2.5	50	0	106	70	130	52.73	0.6(20)	
1,4-Dichlorobenzene	54.1	2.5	50	0	108	70	130	53.57	1.0(20)	
4-Isopropyltoluene	57.2	2.5	50	0	114	40	161	55.72	2.7(22)	
1,2-Dichlorobenzene	52.4	2.5	50	0	105	70	130	51.67	1.4(20)	
n-Butylbenzene	58.1	2.5	50	0	116	58	135	55.52	4.6(24)	
1,2-Dibromo-3-chloropropane (DBCP)	190	15	250	0	76	63	131	183.1	3.9(29)	

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Date: *07-Nov-14*

QC Summary Report

Work Order: 14103004

1,2,4-Trichlorobenzene	46.1	10	50	0	92	57	134	43.89	4.8(30)
Naphthalene	37.7	10	50	0	75	31	157	35.04	7.3(40)
1,2,3-Trichlorobenzene	46.9	10	50	0	94	52	138	43.75	6.9(39)
Xylenes, Total	102	1.3	100	0	102	70	130	102.9	0.5(22)
Surr: 1,2-Dichloroethane-d4	55.8		50		112	70	130		
Surr: Toluene-d8	46		50		92	70	130		
Surr: 4-Bromofluorobenzene	52.5		50		105	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.

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 : CHHL14103004

Report Due By : 5:00 PM On : 10-Nov-14

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 : Nathan Vail, Spencer Doolittle

PO :

Client's COC # : none Job : DFSP Norwalk

Cooler Temp	Samples Received	Date Printed
1 °C	30-Oct-14	30-Oct-14

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
CHH14103004-01A	TB-1	AQ	10/28/14 07:00	2	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						Reno Trip Blank 9/16/14
CHH14103004-02A	EXP-5	AQ	10/28/14 10:21	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103004-03A	WCW-13	AQ	10/28/14 10:58	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103004-04A	EXP-4	AQ	10/28/14 11:12	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103004-05A	WCW-14	AQ	10/28/14 11:36	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103004-06A	WCW-2	AQ	10/28/14 12:02	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103004-07A	EXP-1	AQ	10/28/14 08:40	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103004-08A	EXP-3	AQ	10/28/14 09:25	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						

Comments: Security seals intact. Frozen ice. Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Total Xylenes. :

	Signature	Print Name	Company	Date/Time
Logged in by:	Morgan Lowery	Morgan Lowery	Alpha Analytical, Inc.	10/30/14 1143

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 : CHHL14103004

Report Due By : 5:00 PM On : 10-Nov-14

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 : Nathan Vail, Spencer Doolittle

PO :

Client's COC # : none Job : DFSP Norwalk

Cooler Temp	Samples Received	Date Printed
1 °C	30-Oct-14	30-Oct-14

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
CHH14103004-09A	EXP-2	AQ	10/28/14 10:10	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103004-10A	WCW-8	AQ	10/28/14 12:08	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103004-11A	WCW-3	AQ	10/28/14 12:44	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103004-12A	EB-1	AQ	10/28/14 12:56	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103004-13A	WCW-12	AQ	10/28/14 13:19	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103004-14A	WCW-6	AQ	10/28/14 13:56	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103004-15A	WCW-4	AQ	10/28/14 13:57	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103004-16A	WCW-7	AQ	10/28/14 14:29	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						

Comments: Security seals intact. Frozen ice. Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Total Xylenes. :

	Signature	Print Name	Company	Date/Time
Logged in by:	Morgan Lowery	Morgan Lowery	Alpha Analytical, Inc.	10/30/14 1143

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 : CHHL14103004

Report Due By : 5:00 PM On : 10-Nov-14

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 : Nathan Vail, Spencer Doolittle

PO :

Client's COC # : none Job : DFSP Norwalk

Cooler Temp	Samples Received	Date Printed
1 °C	30-Oct-14	30-Oct-14

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
CHH14103004-17A	WCW-5	AQ	10/28/14 14:40	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103004-18A	EB-2	AQ	10/28/14 15:00	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						

Comments: Security seals intact. Frozen ice. Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Total Xylenes. :

	Signature	Print Name	Company	Date/Time
Logged in by:	Morgan Lowery	Morgan Lowery	Alpha Analytical, Inc.	10/30/14 1143

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

CHAIN OF CUSTODY

CLIENT: Kinder Morgan

SITE: DFSP Norwalk

15306 Norwalk Blvd, Norwalk

CONDUCT ANALYSIS TO DETECT

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

CHH 14103004

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 #
TB-1	10-28-14	0700	AQ	2	HCL	Voa	X	X				01A
EXP-5		1021	AQ	6	HCL	Voa	X	X				02A
WCW-13		1054	AQ	6	HCL	Voa	X	X				03A
EXP-4		1112	AQ	6	HCL	Voa	X	X				04A
WCW-14		1136	AQ	6	HCL	Voa	X	X				05A
WCW-2		1202	AQ	6	HCL	Voa	X	X				06A
EXP-1		0840	AQ	6	HCL	Voa	X	X				07A
EXP-3		0525	AQ	6	HCL	Voa	X	X				08A
EXP-2		1010	AQ	6	HCL	Voa	X	X				09A
WCW-8	↓	1208	AQ	6	HCL	Voa	X	X				10A

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN
	10-28-14	1500	Nelson Veil, Spencer Doolittle	Standard

RELEASED BY	TIME	RECEIVED BY	DATE	TIME
	1600	Nicole	10/28/14	1600
Nicole	1010		10/29/14	1010
	1010	Morgan Lowery Alpha	10/30/14	1125

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

CHAIN OF CUSTODY

CLIENT: Kinder Morgan

SITE: DFSP Norwalk
15306 Norwalk Blvd, Norwalk

CONDUCT ANALYSIS TO DETECT

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

CHH14103004

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-3	10-28-14	1244	AQ	6	HCL	Voz	X	X				11A
EB-1		1256	AQ	6	HCL	Voz	X	X				12A
WCW-12		1315	AQ	6	HCL	Voz	X	X				13A
WCW-6		1356	AQ	6	HCL	Voz	X	X				14A
WCW-4		1357	AQ	6	HCL	Voz	X	X				15A
WCW-7		1429	AQ	6	HCL	Voz	X	X				16A
WCW-5		1440	AQ	6	HCL	Voz	X	X				17A
EB-2	↓	1500	AQ	6	HCL	Voz	X	X				18A

SAMPLING COMPLETED	DATE	TIME
	10-28-14	1500

SAMPLING PERFORMED BY: Ashton Vail, Spencer Doolittle

RESULTS NEEDED NO LATER THAN: Standard

		TIME		DATE	TIME
RELEASED BY		1600	RECEIVED BY Nicole	10/28/14	1600
RELEASED BY Nicole		1010	RECEIVED BY	10/29/14	1010
RELEASED BY		1010	RECEIVED BY Morgan Lowney Alpha	10/30/14	1125

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 : 10/31/14

Job: 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-10**					
Lab ID :	CHH14103102-02A	TPH-E (DRO)	0.051	0.050 mg/L	10/31/14 13:10	11/06/14 00:23
Date Sampled	10/30/14 09:06	Surr: Nonane	123	(53-145) %REC	10/31/14 13:10	11/06/14 00:23
		TPH-P (GRO)	0.11	0.050 mg/L	11/05/14	11/05/14
		Surr: 1,2-Dichloroethane-d4	109	(70-130) %REC	11/05/14	11/05/14
		Surr: Toluene-d8	93	(70-130) %REC	11/05/14	11/05/14
		Surr: 4-Bromofluorobenzene	98	(70-130) %REC	11/05/14	11/05/14
Client ID :	**GMW-27**					
Lab ID :	CHH14103102-03A	TPH-E (DRO)	ND	0.050 mg/L	10/31/14 13:10	11/03/14 12:28
Date Sampled	10/30/14 09:53	Surr: Nonane	118	(53-145) %REC	10/31/14 13:10	11/03/14 12:28
		TPH-P (GRO)	ND	0.050 mg/L	11/06/14	11/06/14
		Surr: 1,2-Dichloroethane-d4	109	(70-130) %REC	11/06/14	11/06/14
		Surr: Toluene-d8	94	(70-130) %REC	11/06/14	11/06/14
		Surr: 4-Bromofluorobenzene	97	(70-130) %REC	11/06/14	11/06/14
Client ID :	**MW-20 (MID)**					
Lab ID :	CHH14103102-04A	TPH-E (DRO)	ND	0.050 mg/L	10/31/14 13:10	10/31/14 22:28
Date Sampled	10/30/14 10:29	Surr: Nonane	112	(53-145) %REC	10/31/14 13:10	10/31/14 22:28
		TPH-P (GRO)	ND	0.050 mg/L	11/06/14	11/06/14
		Surr: 1,2-Dichloroethane-d4	109	(70-130) %REC	11/06/14	11/06/14
		Surr: Toluene-d8	93	(70-130) %REC	11/06/14	11/06/14
		Surr: 4-Bromofluorobenzene	100	(70-130) %REC	11/06/14	11/06/14
Client ID :	**MW-19 (MID)**					
Lab ID :	CHH14103102-05A	TPH-E (DRO)	ND	0.050 mg/L	10/31/14 13:10	10/31/14 22:55
Date Sampled	10/30/14 11:00	Surr: Nonane	115	(53-145) %REC	10/31/14 13:10	10/31/14 22:55
		TPH-P (GRO)	ND	0.050 mg/L	11/06/14	11/06/14
		Surr: 1,2-Dichloroethane-d4	110	(70-130) %REC	11/06/14	11/06/14
		Surr: Toluene-d8	93	(70-130) %REC	11/06/14	11/06/14
		Surr: 4-Bromofluorobenzene	100	(70-130) %REC	11/06/14	11/06/14
Client ID :	**GMW-1**					
Lab ID :	CHH14103102-06A	TPH-E (DRO)	0.13	0.050 mg/L	10/31/14 13:10	10/31/14 23:21
Date Sampled	10/30/14 11:12	Surr: Nonane	116	(53-145) %REC	10/31/14 13:10	10/31/14 23:21
		TPH-P (GRO)	0.070	0.050 mg/L	11/06/14	11/06/14
		Surr: 1,2-Dichloroethane-d4	112	(70-130) %REC	11/06/14	11/06/14
		Surr: Toluene-d8	94	(70-130) %REC	11/06/14	11/06/14
		Surr: 4-Bromofluorobenzene	103	(70-130) %REC	11/06/14	11/06/14
Client ID :	**MW-21 (MID)**					
Lab ID :	CHH14103102-07A	TPH-E (DRO)	ND	0.050 mg/L	10/31/14 13:10	11/03/14 12:53
Date Sampled	10/30/14 11:28	Surr: Nonane	121	(53-145) %REC	10/31/14 13:10	11/03/14 12:53
		TPH-P (GRO)	ND	0.050 mg/L	11/06/14	11/06/14
		Surr: 1,2-Dichloroethane-d4	111	(70-130) %REC	11/06/14	11/06/14
		Surr: Toluene-d8	94	(70-130) %REC	11/06/14	11/06/14
		Surr: 4-Bromofluorobenzene	99	(70-130) %REC	11/06/14	11/06/14

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Client ID :	**GWR-1**						
Lab ID :	CHH14103102-08A	TPH-E (DRO)	1.0	LC	0.050 mg/L	10/31/14 13:10	11/01/14 00:14
Date Sampled	10/30/14 11:32	Surr: Nonane	132		(53-145) %REC	10/31/14 13:10	11/01/14 00:14
		TPH-P (GRO)	ND	O	0.10 mg/L	11/06/14	11/06/14
		Surr: 1,2-Dichloroethane-d4	109		(70-130) %REC	11/06/14	11/06/14
		Surr: Toluene-d8	94		(70-130) %REC	11/06/14	11/06/14
		Surr: 4-Bromofluorobenzene	98		(70-130) %REC	11/06/14	11/06/14
Client ID :	**MW-9**						
Lab ID :	CHH14103102-09A	TPH-E (DRO)	2.6		0.050 mg/L	10/31/14 13:10	11/01/14 00:41
Date Sampled	10/30/14 11:48	Surr: Nonane	120		(53-145) %REC	10/31/14 13:10	11/01/14 00:41
		TPH-P (GRO)	ND	O	0.50 mg/L	11/06/14	11/06/14
		Surr: 1,2-Dichloroethane-d4	107		(70-130) %REC	11/06/14	11/06/14
		Surr: Toluene-d8	93		(70-130) %REC	11/06/14	11/06/14
		Surr: 4-Bromofluorobenzene	104		(70-130) %REC	11/06/14	11/06/14
Client ID :	**HL-3**						
Lab ID :	CHH14103102-10A	TPH-E (DRO)	ND	X	0.10 mg/L	10/31/14 13:10	11/01/14 01:07
Date Sampled	10/30/14 11:53	Surr: Nonane	124		(53-145) %REC	10/31/14 13:10	11/01/14 01:07
		TPH-P (GRO)	ND	O	0.10 mg/L	11/06/14	11/06/14
		Surr: 1,2-Dichloroethane-d4	108		(70-130) %REC	11/06/14	11/06/14
		Surr: Toluene-d8	95		(70-130) %REC	11/06/14	11/06/14
		Surr: 4-Bromofluorobenzene	99		(70-130) %REC	11/06/14	11/06/14
Client ID :	**EB-6**						
Lab ID :	CHH14103102-11A	TPH-E (DRO)	ND		0.050 mg/L	10/31/14 13:10	11/01/14 01:34
Date Sampled	10/30/14 12:55	Surr: Nonane	120		(53-145) %REC	10/31/14 13:10	11/01/14 01:34
		TPH-P (GRO)	ND		0.050 mg/L	11/06/14	11/06/14
		Surr: 1,2-Dichloroethane-d4	107		(70-130) %REC	11/06/14	11/06/14
		Surr: Toluene-d8	96		(70-130) %REC	11/06/14	11/06/14
		Surr: 4-Bromofluorobenzene	102		(70-130) %REC	11/06/14	11/06/14
Client ID :	**PZ-5**						
Lab ID :	CHH14103102-12A	TPH-E (DRO)	6.5		0.050 mg/L	10/31/14 13:10	11/01/14 02:01
Date Sampled	10/30/14 13:15	Surr: Nonane	153	S51	(53-145) %REC	10/31/14 13:10	11/01/14 02:01
		TPH-P (GRO)	16		10 mg/L	11/06/14	11/06/14
		Surr: 1,2-Dichloroethane-d4	114		(70-130) %REC	11/06/14	11/06/14
		Surr: Toluene-d8	92		(70-130) %REC	11/06/14	11/06/14
		Surr: 4-Bromofluorobenzene	97		(70-130) %REC	11/06/14	11/06/14
Client ID :	**EB-5**						
Lab ID :	CHH14103102-13A	TPH-E (DRO)	ND		0.050 mg/L	10/31/14 13:10	11/01/14 02:27
Date Sampled	10/30/14 13:29	Surr: Nonane	125		(53-145) %REC	10/31/14 13:10	11/01/14 02:27
		TPH-P (GRO)	ND		0.050 mg/L	11/06/14	11/06/14
		Surr: 1,2-Dichloroethane-d4	107		(70-130) %REC	11/06/14	11/06/14
		Surr: Toluene-d8	96		(70-130) %REC	11/06/14	11/06/14
		Surr: 4-Bromofluorobenzene	101		(70-130) %REC	11/06/14	11/06/14
Client ID :	**MW-8**						
Lab ID :	CHH14103102-14A	TPH-E (DRO)	ND		0.050 mg/L	10/31/14 14:59	10/31/14 17:44
Date Sampled	10/30/14 13:19	Surr: Nonane	115		(53-145) %REC	10/31/14 14:59	10/31/14 17:44
		TPH-P (GRO)	ND		0.050 mg/L	11/06/14	11/06/14
		Surr: 1,2-Dichloroethane-d4	112		(70-130) %REC	11/06/14	11/06/14
		Surr: Toluene-d8	95		(70-130) %REC	11/06/14	11/06/14
		Surr: 4-Bromofluorobenzene	96		(70-130) %REC	11/06/14	11/06/14
Client ID :	**GMW-39**						
Lab ID :	CHH14103102-15A	TPH-E (DRO)	ND		0.050 mg/L	10/31/14 14:59	10/31/14 18:10
Date Sampled	10/30/14 13:55	Surr: Nonane	115		(53-145) %REC	10/31/14 14:59	10/31/14 18:10
		TPH-P (GRO)	ND		0.050 mg/L	11/06/14	11/06/14
		Surr: 1,2-Dichloroethane-d4	114		(70-130) %REC	11/06/14	11/06/14
		Surr: Toluene-d8	92		(70-130) %REC	11/06/14	11/06/14
		Surr: 4-Bromofluorobenzene	96		(70-130) %REC	11/06/14	11/06/14

Alpha Analytical, Inc.

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Client ID :	**GMW-14**						
Lab ID :	CHH14103102-16A	TPH-E (DRO)	ND		0.050 mg/L	10/31/14 14:59	10/31/14 18:36
Date Sampled	10/30/14 14:30	Surr: Nonane	114		(53-145) %REC	10/31/14 14:59	10/31/14 18:36
		TPH-P (GRO)	ND	O	0.10 mg/L	11/06/14	11/06/14
		Surr: 1,2-Dichloroethane-d4	114		(70-130) %REC	11/06/14	11/06/14
		Surr: Toluene-d8	92		(70-130) %REC	11/06/14	11/06/14
		Surr: 4-Bromofluorobenzene	99		(70-130) %REC	11/06/14	11/06/14
Client ID :	**DUP-2**						
Lab ID :	CHH14103102-17A	TPH-E (DRO)	ND		0.050 mg/L	10/31/14 14:59	10/31/14 19:02
Date Sampled	10/30/14 00:00	Surr: Nonane	129		(53-145) %REC	10/31/14 14:59	10/31/14 19:02
		TPH-P (GRO)	ND	O	0.10 mg/L	11/06/14	11/06/14
		Surr: 1,2-Dichloroethane-d4	116		(70-130) %REC	11/06/14	11/06/14
		Surr: Toluene-d8	93		(70-130) %REC	11/06/14	11/06/14
		Surr: 4-Bromofluorobenzene	97		(70-130) %REC	11/06/14	11/06/14
Client ID :	**DUP-3**						
Lab ID :	CHH14103102-18A	TPH-E (DRO)	ND		0.050 mg/L	10/31/14 14:59	10/31/14 20:20
Date Sampled	10/30/14 00:00	Surr: Nonane	121		(53-145) %REC	10/31/14 14:59	10/31/14 20:20
		TPH-P (GRO)	ND	O	0.10 mg/L	11/06/14	11/06/14
		Surr: 1,2-Dichloroethane-d4	118		(70-130) %REC	11/06/14	11/06/14
		Surr: Toluene-d8	93		(70-130) %REC	11/06/14	11/06/14
		Surr: 4-Bromofluorobenzene	94		(70-130) %REC	11/06/14	11/06/14
Client ID :	**DUP-4**						
Lab ID :	CHH14103102-19A	TPH-E (DRO)	ND		0.050 mg/L	10/31/14 14:59	10/31/14 20:46
Date Sampled	10/30/14 00:00	Surr: Nonane	114		(53-145) %REC	10/31/14 14:59	10/31/14 20:46
		TPH-P (GRO)	ND	O	0.10 mg/L	11/06/14	11/06/14
		Surr: 1,2-Dichloroethane-d4	117		(70-130) %REC	11/06/14	11/06/14
		Surr: Toluene-d8	93		(70-130) %REC	11/06/14	11/06/14
		Surr: 4-Bromofluorobenzene	100		(70-130) %REC	11/06/14	11/06/14
Client ID :	**DUP-5**						
Lab ID :	CHH14103102-20A	TPH-E (DRO)	4.0		0.050 mg/L	10/31/14 14:59	10/31/14 21:12
Date Sampled	10/30/14 00:00	Surr: Nonane	133		(53-145) %REC	10/31/14 14:59	10/31/14 21:12
		TPH-P (GRO)	16		10 mg/L	11/06/14	11/06/14
		Surr: 1,2-Dichloroethane-d4	115		(70-130) %REC	11/06/14	11/06/14
		Surr: Toluene-d8	94		(70-130) %REC	11/06/14	11/06/14
		Surr: 4-Bromofluorobenzene	99		(70-130) %REC	11/06/14	11/06/14

C = Reported concentration includes additional compounds uncharacteristic of common fuels and lubricants.
Diesel Range Organics (DRO) C13-C22
Gasoline Range Organics (GRO) C4-C13
L = DRO concentration may include contributions from heavier-end hydrocarbons that elute in the DRO range.
O = Reporting Limits were increased due to sample foaming.
S51 = Surrogate recovery could not be determined due to the presence of co-eluting hydrocarbons.
X = Reporting Limits were increased due to sample matrix interferences.
ND = Not Detected

ACCREDITED DoD ELAP

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer

Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

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11/10/14

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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103102-01A
Client I.D. Number: TB-3

Sampled: 10/30/14 07:35
Received: 10/31/14
Extracted: 11/05/14
Analyzed: 11/05/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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	93	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	97	(70-130)	%REC

ND = Not Detected

ACCREDITED ACLASS DoD ELAP

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11/10/14
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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103102-02A
Client I.D. Number: GMW-O-10

Sampled: 10/30/14 09:06
Received: 10/31/14
Extracted: 11/05/14
Analyzed: 11/05/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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	1.6	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	93	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	98	(70-130)	%REC

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

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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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103102-03A
Client I.D. Number: GMW-27

Sampled: 10/30/14 09:53
Received: 10/31/14
Extracted: 11/06/14
Analyzed: 11/06/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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)	260	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)	6.7	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	94	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	97	(70-130)	%REC

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

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11/10/14
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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103102-04A
Client I.D. Number: MW-20 (MID)

Sampled: 10/30/14 10:29
Received: 10/31/14
Extracted: 11/06/14
Analyzed: 11/06/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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)	8.7	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)	6.6	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	10	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	93	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	100	(70-130)	%REC

ND = Not Detected

ACLASS ACCREDITED DoD ELAP

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com
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11/10/14
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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103102-05A
Client I.D. Number: MW-19 (MID)

Sampled: 10/30/14 11:00
Received: 10/31/14
Extracted: 11/06/14
Analyzed: 11/06/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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)	87	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)	0.74	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)	9.2	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	3.5	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	93	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	100	(70-130)	%REC

ND = Not Detected

ACLASS ACCREDITED DoD ELAP

Roger Scholl Randy Gardner Walter Hinchman

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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: DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103102-06A
Client I.D. Number: GMW-1

Sampled: 10/30/14 11:12
Received: 10/31/14
Extracted: 11/06/14
Analyzed: 11/06/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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)	0.94	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	94	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	103	(70-130)	%REC

ND = Not Detected

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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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103102-07A
Client I.D. Number: MW-21 (MID)

Sampled: 10/30/14 11:28
Received: 10/31/14
Extracted: 11/06/14
Analyzed: 11/06/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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)	0.69	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	3.6	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-Propylbenzane	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	94	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	99	(70-130)	%REC

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

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Report Date

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ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103102-08A
Client I.D. Number: GWR-1

Sampled: 10/30/14 11:32
Received: 10/31/14
Extracted: 11/06/14
Analyzed: 11/06/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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)	54	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)	8.9	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)	5.3	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	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	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	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	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	109	(70-130)	%REC
73	Surr: Toluene-d8	94	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	98	(70-130)	%REC

Some Reporting Limits were increased due to sample foaming.

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

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11/10/14
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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103102-09A
Client I.D. Number: MW-9

Sampled: 10/30/14 11:48
Received: 10/31/14
Extracted: 11/06/14
Analyzed: 11/06/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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)	51	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)	6.7	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	12	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	107	(70-130)	%REC
73	Surr: Toluene-d8	93	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	104	(70-130)	%REC

Reporting Limits were increased due to sample foaming.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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DoD ELAP

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11/10/14
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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103102-10A
Client I.D. Number: HL-3

Sampled: 10/30/14 11:53
Received: 10/31/14
Extracted: 11/06/14
Analyzed: 11/06/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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)	ND	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)	ND	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	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	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	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	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	108	(70-130)	%REC
73	Surr: Toluene-d8	95	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	99	(70-130)	%REC

Some Reporting Limits were increased due to sample foaming.

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer

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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: DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103102-11A
Client I.D. Number: EB-6

Sampled: 10/30/14 12:55
Received: 10/31/14
Extracted: 11/06/14
Analyzed: 11/06/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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	96	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	102	(70-130)	%REC

ND = Not Detected

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11/10/14
Report Date

Alpha Analytical, Inc.

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ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103102-12A
Client I.D. Number: PZ-5

Sampled: 10/30/14 13:15
Received: 10/31/14
Extracted: 11/06/14
Analyzed: 11/06/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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)	110,000	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)	440	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)	ND	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	5,600	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	ND	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	410	50	µg/L
47	m,p-Xylene	ND	50	µg/L
48	Bromoform	ND	100	µg/L
49	Xylenes, Total	ND	50	µg/L
50	Styrene	ND	100	µg/L
51	o-Xylene	ND	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	ND	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	114	(70-130)	%REC
73	Surr: Toluene-d8	92	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	97	(70-130)	%REC

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer

Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

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11/10/14
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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103102-13A
Client I.D. Number: EB-5

Sampled: 10/30/14 13:29
Received: 10/31/14
Extracted: 11/06/14
Analyzed: 11/06/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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	96	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	101	(70-130)	%REC

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

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11/10/14
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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103102-14A
Client I.D. Number: MW-8

Sampled: 10/30/14 13:19
Received: 10/31/14
Extracted: 11/06/14
Analyzed: 11/06/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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)	2.9	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	95	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	96	(70-130)	%REC

ND = Not Detected

ACLASS ACCREDITED DoD ELAP

Roger Scholl Randy Gardner Walter Hinchman

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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: DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103102-15A
Client I.D. Number: GMW-39

Sampled: 10/30/14 13:55
Received: 10/31/14
Extracted: 11/06/14
Analyzed: 11/06/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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)	1.7	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	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	92	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	96	(70-130)	%REC

ND = Not Detected

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11/10/14
Report Date

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ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103102-16A
Client I.D. Number: GMW-14

Sampled: 10/30/14 14:30
Received: 10/31/14
Extracted: 11/06/14
Analyzed: 11/06/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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)	17	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)	0.83	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	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	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	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	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	114	(70-130)	%REC
73	Surr: Toluene-d8	92	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	99	(70-130)	%REC

Some Reporting Limits were increased due to sample foaming.

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

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ACCREDITED DoD ELAP

11/10/14
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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103102-17A
Client I.D. Number: DUP-2

Sampled: 10/30/14 00:00
Received: 10/31/14
Extracted: 11/06/14
Analyzed: 11/06/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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)	ND	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)	ND	0.50	µg/L
15	1,1-Dichloroethane	1.4	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	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	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	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	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	116	(70-130)	%REC
73	Surr: Toluene-d8	93	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	97	(70-130)	%REC

Some Reporting Limits were increased due to sample foaming.

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

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11/10/14
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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103102-18A
Client I.D. Number: DUP-3

Sampled: 10/30/14 00:00
Received: 10/31/14
Extracted: 11/06/14
Analyzed: 11/06/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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)	340	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)	ND	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)	6.4	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	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	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	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	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	118	(70-130)	%REC
73	Surr: Toluene-d8	93	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	94	(70-130)	%REC

Some Reporting Limits were increased due to sample foaming.

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer

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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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103102-19A
Client I.D. Number: DUP-4

Sampled: 10/30/14 00:00
Received: 10/31/14
Extracted: 11/06/14
Analyzed: 11/06/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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)	15	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)	3.6	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	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	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	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	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	117	(70-130)	%REC
73	Surr: Toluene-d8	93	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	100	(70-130)	%REC

Some Reporting Limits were increased due to sample foaming.

ND = Not Detected

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11/10/14
Report Date

Alpha Analytical, Inc.

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ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103102-20A
Client I.D. Number: DUP-5

Sampled: 10/30/14 00:00
Received: 10/31/14
Extracted: 11/06/14
Analyzed: 11/06/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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)	110,000	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)	440	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)	ND	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	5,600	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	ND	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	420	50	µg/L
47	m,p-Xylene	ND	50	µg/L
48	Bromoform	ND	100	µg/L
49	Xylenes, Total	ND	50	µg/L
50	Styrene	ND	100	µg/L
51	o-Xylene	ND	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	ND	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	115	(70-130)	%REC
73	Surr: Toluene-d8	94	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	99	(70-130)	%REC

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer

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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.

11/10/14
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: CHH14103102 **Job:** DFSP Norwalk

Alpha's Sample ID	Client's Sample ID	Matrix	pH
14103102-01A	TB-3	Aqueous	2
14103102-02A	GMW-O-10	Aqueous	2
14103102-03A	GMW-27	Aqueous	2
14103102-04A	MW-20 (MID)	Aqueous	2
14103102-05A	MW-19 (MID)	Aqueous	2
14103102-06A	GMW-1	Aqueous	2
14103102-07A	MW-21 (MID)	Aqueous	2
14103102-08A	GWR-1	Aqueous	2
14103102-09A	MW-9	Aqueous	2
14103102-10A	HL-3	Aqueous	2
14103102-11A	EB-6	Aqueous	2
14103102-12A	PZ-5	Aqueous	2
14103102-13A	EB-5	Aqueous	2
14103102-14A	MW-8	Aqueous	2
14103102-15A	GMW-39	Aqueous	2
14103102-16A	GMW-14	Aqueous	2
14103102-17A	DUP-2	Aqueous	2
14103102-18A	DUP-3	Aqueous	2
14103102-19A	DUP-4	Aqueous	2
14103102-20A	DUP-5	Aqueous	2

11/10/14

Report Date

Alpha Analytical, Inc.

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Date: *10-Nov-14*

QC Summary Report

Work Order: 14103102

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B/C Ext**

File ID: **2** Batch ID: **33782** Analysis Date: **10/31/2014 15:25**

Sample ID: **MBLK-33782** Units : **mg/L** Run ID: **MANUAL_141030J** Prep Date: **10/31/2014 13:10**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	ND	0.05								
Surr: Nonane	0.184		0.15		123	53	145			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B/C Ext**

File ID: **1** Batch ID: **33782** Analysis Date: **10/31/2014 14:58**

Sample ID: **LCS-33782** Units : **mg/L** Run ID: **MANUAL_141030J** Prep Date: **10/31/2014 13:10**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.55	0.05	2.5		102	70	130			
Surr: Nonane	0.167		0.15		111	53	145			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B/C Ext**

File ID: **11** Batch ID: **33782** Analysis Date: **10/31/2014 19:22**

Sample ID: **14103170-28AMS** Units : **mg/L** Run ID: **MANUAL_141030J** Prep Date: **10/31/2014 13:10**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	3.05	0.05	2.5	0	122	51	151			
Surr: Nonane	0.166		0.15		111	53	145			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B/C Ext**

File ID: **12** Batch ID: **33782** Analysis Date: **10/31/2014 19:49**

Sample ID: **14103170-28AMSD** Units : **mg/L** Run ID: **MANUAL_141030J** Prep Date: **10/31/2014 13:10**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.81	0.05	2.5	0	112	51	151	3.046	8.2(40)	
Surr: Nonane	0.179		0.15		119	53	145			

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: *10-Nov-14*

QC Summary Report

Work Order: 14103102

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **C:\HPCHEM\MS10\DATA\141105\14110537.D** Batch ID: **MS10W1105D** Analysis Date: **11/05/2014 22:59**

Sample ID: **MBLK MS10W1105D** Units : **mg/L** Run ID: **MSD_10_141105B** Prep Date: **11/05/2014 22:59**

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	0.00929		0.01		93	70	130			
Surr: 4-Bromofluorobenzene	0.0101		0.01		101	70	130			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **C:\HPCHEM\MS10\DATA\141105\14110534.D** Batch ID: **MS10W1105D** Analysis Date: **11/05/2014 21:57**

Sample ID: **GLCS MS10W1105D** Units : **mg/L** Run ID: **MSD_10_141105B** Prep Date: **11/05/2014 21:57**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	0.418	0.05	0.4		105	70	130			
Surr: 1,2-Dichloroethane-d4	0.0107		0.01		107	70	130			
Surr: Toluene-d8	0.00938		0.01		94	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: **C:\HPCHEM\MS10\DATA\141105\14110550.D** Batch ID: **MS10W1105D** Analysis Date: **11/06/2014 03:31**

Sample ID: **14103102-02AGS** Units : **mg/L** Run ID: **MSD_10_141105B** Prep Date: **11/06/2014 03:31**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2.05	0.25	2	0.1052	97	54	143			
Surr: 1,2-Dichloroethane-d4	0.0528		0.05		106	70	130			
Surr: Toluene-d8	0.0464		0.05		93	70	130			
Surr: 4-Bromofluorobenzene	0.0532		0.05		106	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **C:\HPCHEM\MS10\DATA\141105\14110551.D** Batch ID: **MS10W1105D** Analysis Date: **11/06/2014 03:51**

Sample ID: **14103102-02AGSD** Units : **mg/L** Run ID: **MSD_10_141105B** Prep Date: **11/06/2014 03:51**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2.22	0.25	2	0.1052	106	54	143	2.052	7.8(23)	
Surr: 1,2-Dichloroethane-d4	0.0526		0.05		105	70	130			
Surr: Toluene-d8	0.0463		0.05		93	70	130			
Surr: 4-Bromofluorobenzene	0.0533		0.05		107	70	130			

Comments:

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Date: *10-Nov-14*

QC Summary Report

Work Order: 14103102

Method Blank Type **MBLK** Test Code: **EPA Method SW8260B**

File ID: **C:\HPCHEM\MS10\DATA\141105\14110537.D** Batch ID: **MS10W1105C** Analysis Date: **11/05/2014 22:59**

Sample ID: **MBLK MS10W1105C** Units : **µg/L** Run ID: **MSD_10_141105B** Prep Date: **11/05/2014 22:59**

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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QC Summary Report

Work Order: 14103102

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	9.29		10	93	70	130
Surr: 4-Bromofluorobenzene	10.1		10	101	70	130

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Date: *10-Nov-14*

QC Summary Report

Work Order: 14103102

Laboratory Control Spike Type **LCS** Test Code: **EPA Method SW8260B**

File ID: **C:\HPCHEM\MS10\DATA\141105\14110533.D** Batch ID: **MS10W1105C** Analysis Date: **11/05/2014 21:36**

Sample ID: **LCS MS10W1105C** Units : **µg/L** Run ID: **MSD_10_141105B** Prep Date: **11/05/2014 21:36**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	5.22	1	10		52	32	145			
Chloromethane	7.68	2	10		77	40	145			
Vinyl chloride	8.07	1	10		81	80	120			
Chloroethane	8.37	1	10		84	38	156			
Bromomethane	7.13	2	10		71	14	162			
Trichlorofluoromethane	11.3	1	10		113	46	154			
Acetone	200	10	200		100	22	188			
1,1-Dichloroethene	8.89	1	10		89	80	120			
Tertiary Butyl Alcohol (TBA)	70.9	10	100		71	48	148			
Dichloromethane	6.88	2	10		69	69	130			
Freon-113	7.47	1	10		75	70	136			
trans-1,2-Dichloroethene	9	1	10		90	70	130			
Methyl tert-butyl ether (MTBE)	8.44	0.5	10		84	63	137			
1,1-Dichloroethane	9.29	1	10		93	70	130			
2-Butanone (MEK)	194	10	200		97	26	183			
Di-isopropyl Ether (DIPE)	9.03	1	10		90	69	133			
cis-1,2-Dichloroethene	9.43	1	10		94	70	130			
Bromochloromethane	8.82	1	10		88	70	133			
Chloroform	9.51	1	10		95	80	120			
Ethyl Tertiary Butyl Ether (ETBE)	8.92	1	10		89	66	135			
2,2-Dichloropropane	9.13	1	10		91	70	149			
1,2-Dichloroethane	10.1	1	10		101	70	133			
1,1,1-Trichloroethane	9.91	1	10		99	70	135			
1,1-Dichloropropene	9.62	1	10		96	70	130			
Carbon tetrachloride	9.86	1	10		99	63	143			
Benzene	9.15	0.5	10		92	70	130			
Tertiary Amyl Methyl Ether (TAME)	8.94	1	10		89	70	133			
Dibromomethane	9.61	1	10		96	70	130			
1,2-Dichloropropane	9.46	1	10		95	80	120			
Trichloroethene	9.26	1	10		93	68	138			
Bromodichloromethane	10.3	1	10		103	58	147			
4-Methyl-2-pentanone (MIBK)	22.9	2.5	25		92	59	140			
cis-1,3-Dichloropropene	9.15	1	10		92	70	130			
trans-1,3-Dichloropropene	10	1	10		100	70	131			
1,1,2-Trichloroethane	9.44	1	10		94	70	130			
Toluene	8.95	0.5	10		90	80	120			
1,3-Dichloropropane	8.16	1	10		82	70	130			
2-Hexanone	129	5	100		129	48	157			
Dibromochloromethane	7.96	1	10		80	49	147			
1,2-Dibromoethane (EDB)	16.4	2	20		82	70	131			
Tetrachloroethene	8.65	1	10		87	70	130			
Chlorobenzene	9.35	1	10		94	70	130			
Ethylbenzene	9.64	0.5	10		96	80	120			
m,p-Xylene	9.53	0.5	10		95	65	139			
Bromoform	7.67	1	10		77	60	144			
Styrene	9.79	1	10		98	55	144			
o-Xylene	9.57	0.5	10		96	70	130			
1,1,2,2-Tetrachloroethane	8.94	1	10		89	70	130			
1,2,3-Trichloropropane	17.9	2	20		89	70	130			
Isopropylbenzene	11.7	1	10		117	69	136			
Bromobenzene	10.6	1	10		106	70	130			
n-Propylbenzene	9.71	1	10		97	70	132			
4-Chlorotoluene	11.1	1	10		111	70	132			
2-Chlorotoluene	10.9	1	10		109	70	130			
1,3,5-Trimethylbenzene	9.91	1	10		99	70	134			
tert-Butylbenzene	9.79	1	10		98	63	139			
1,2,4-Trimethylbenzene	11.2	1	10		112	70	133			
sec-Butylbenzene	11.2	1	10		112	70	132			
1,3-Dichlorobenzene	10.1	1	10		101	70	130			
1,4-Dichlorobenzene	10.2	1	10		102	70	130			
4-Isopropyltoluene	11.1	1	10		111	40	161			
1,2-Dichlorobenzene	10	1	10		100	70	130			
n-Butylbenzene	11.1	1	10		111	69	134			
1,2-Dibromo-3-chloropropane (DBCP)	35.5	3	50		71	67	130			
1,2,4-Trichlorobenzene	8.76	2	10		88	62	131			

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QC Summary Report

Work Order: 14103102

Naphthalene	7.25	2	10	73	39	149
1,2,3-Trichlorobenzene	8.95	2	10	90	54	135
Xylenes, Total	19.1	0.5	20	96	70	130
Surr: 1,2-Dichloroethane-d4	11.2		10	112	70	130
Surr: Toluene-d8	9.33		10	93	70	130
Surr: 4-Bromofluorobenzene	10.8		10	108	70	130

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Date: 10-Nov-14

QC Summary Report

Work Order: 14103102

Sample Matrix Spike Type **MS** Test Code: **EPA Method SW8260B**

File ID: **C:\HPCHEM\MS10\DATA\141105\14110548.D** Batch ID: **MS10W1105C** Analysis Date: **11/06/2014 02:49**

Sample ID: **14103102-02AMS** Units : **µg/L** Run ID: **MSD_10_141105B** Prep Date: **11/06/2014 02:49**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	30.5	2.5	50	0	61	12	150			
Chloromethane	38.3	10	50	0	77	26	146			
Vinyl chloride	39.9	2.5	50	0	80	46	142			
Chloroethane	41.3	2.5	50	0	83	25	164			
Bromomethane	21.9	10	50	0	44	10	172			
Trichlorofluoromethane	52.3	2.5	50	0	105	32	164			
Acetone	777	50	1000	0	78	10	188			
1,1-Dichloroethene	41.5	2.5	50	0	83	62	133			
Tertiary Butyl Alcohol (TBA)	313	25	500	0	63	44	155			
Dichloromethane	30.9	10	50	0	62	69	130			M2
Freon-113	35.1	2.5	50	0	70	56	144			
trans-1,2-Dichloroethene	42.2	2.5	50	0	84	67	131			
Methyl tert-butyl ether (MTBE)	38.1	1.3	50	0	76	56	140			
1,1-Dichloroethane	43.8	2.5	50	1.56	84	67	130			
2-Butanone (MEK)	851	50	1000	0	85	26	183			
Di-isopropyl Ether (DIPE)	41.4	2.5	50	0	83	59	138			
cis-1,2-Dichloroethene	43	2.5	50	0	86	70	130			
Bromochloromethane	39.8	2.5	50	0	80	70	134			
Chloroform	42.9	2.5	50	0	86	69	130			
Ethyl Tertiary Butyl Ether (ETBE)	40.5	2.5	50	0	81	62	135			
2,2-Dichloropropane	36.9	2.5	50	0	74	44	149			
1,2-Dichloroethane	45.3	2.5	50	0	91	64	139			
1,1,1-Trichloroethane	45.7	2.5	50	0	91	65	139			
1,1-Dichloropropene	44	2.5	50	0	88	68	134			
Carbon tetrachloride	44.9	2.5	50	0	90	56	146			
Benzene	41.3	1.3	50	0	83	67	134			
Tertiary Amyl Methyl Ether (TAME)	40.5	2.5	50	0	81	64	135			
Dibromomethane	44	2.5	50	0	88	70	132			
1,2-Dichloropropane	42.2	2.5	50	0	84	69	134			
Trichloroethene	41.5	2.5	50	0	83	68	138			
Bromodichloromethane	46.4	2.5	50	0	93	58	147			
4-Methyl-2-pentanone (MIBK)	101	13	125	0	81	49	140			
cis-1,3-Dichloropropene	39.6	2.5	50	0	79	61	130			
trans-1,3-Dichloropropene	43.3	2.5	50	0	87	62	131			
1,1,2-Trichloroethane	43.6	2.5	50	0	87	70	131			
Toluene	41	1.3	50	0	82	38	130			
1,3-Dichloropropane	37.6	2.5	50	0	75	70	130			
2-Hexanone	368	25	500	0	74	25	157			
Dibromochloromethane	36.7	2.5	50	0	73	49	147			
1,2-Dibromoethane (EDB)	75.8	5	100	0	76	70	131			
Tetrachloroethene	40.2	2.5	50	0	80	63	134			
1,1,1,2-Tetrachloroethane	46.5	2.5	50	0	93	70	133			
Chlorobenzene	43.2	2.5	50	0	86	70	130			
Ethylbenzene	44.6	1.3	50	0	89	70	130			
m,p-Xylene	43.4	1.3	50	0	87	65	139			
Bromoform	34.9	2.5	50	0	70	60	144			
Styrene	44.4	2.5	50	0	89	53	144			
o-Xylene	45.1	1.3	50	0	90	69	130			
1,1,2,2-Tetrachloroethane	42.1	2.5	50	0	84	67	134			
1,2,3-Trichloropropane	81.2	10	100	0	81	70	130			
Isopropylbenzene	50.5	2.5	50	0	101	64	136			
Bromobenzene	46.1	2.5	50	0	92	69	130			
n-Propylbenzene	42.5	2.5	50	0	85	65	132			
4-Chlorotoluene	48.8	2.5	50	0	98	69	132			
2-Chlorotoluene	48.1	2.5	50	0	96	69	130			
1,3,5-Trimethylbenzene	43.1	2.5	50	0	86	64	135			
tert-Butylbenzene	42.5	2.5	50	0	85	63	139			
1,2,4-Trimethylbenzene	49.1	2.5	50	0	98	62	135			
sec-Butylbenzene	49.8	2.5	50	0	99.5	68	132			
1,3-Dichlorobenzene	44.8	2.5	50	0	90	70	130			
1,4-Dichlorobenzene	44.5	2.5	50	0	89	70	130			
4-Isopropyltoluene	49.2	2.5	50	0	98	40	161			
1,2-Dichlorobenzene	43.7	2.5	50	0	87	70	130			
n-Butylbenzene	48.4	2.5	50	0	97	58	135			
1,2-Dibromo-3-chloropropane (DBCP)	153	15	250	0	61	63	131			M2

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *10-Nov-14*

QC Summary Report

Work Order: 14103102

1,2,4-Trichlorobenzene	35.9	10	50	0	72	57	134
Naphthalene	29.2	10	50	0	58	31	157
1,2,3-Trichlorobenzene	37.4	10	50	0	75	52	138
Xylenes, Total	88.6	1.3	100	0	89	70	130
Surr: 1,2-Dichloroethane-d4	53		50		106	70	130
Surr: Toluene-d8	47.5		50		95	70	130
Surr: 4-Bromofluorobenzene	52.7		50		105	70	130

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Date: 10-Nov-14

QC Summary Report

Work Order: 14103102

Sample Matrix Spike Duplicate Type **MSD** Test Code: **EPA Method SW8260B**

File ID: **C:\HPCHEM\MS10\DATA\141105\14110549.D** Batch ID: **MS10W1105C** Analysis Date: **11/06/2014 03:10**

Sample ID: **14103102-02AMSD** Units : **µg/L** Run ID: **MSD_10_141105B** Prep Date: **11/06/2014 03:10**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	32.5	2.5	50	0	65	12	150	30.52	6.3(38)	
Chloromethane	41.3	10	50	0	83	26	146	38.26	7.6(31)	
Vinyl chloride	43.7	2.5	50	0	87	46	142	39.93	9.0(25)	
Chloroethane	42.3	2.5	50	0	85	25	164	41.32	2.4(40)	
Bromomethane	27.7	10	50	0	55	10	172	21.85	23.7(40)	
Trichlorofluoromethane	55.3	2.5	50	0	111	32	164	52.27	5.7(34)	
Acetone	860	50	1000	0	86	10	188	776.5	10.2(39)	
1,1-Dichloroethene	45.2	2.5	50	0	90	62	133	41.47	8.6(35)	
Tertiary Butyl Alcohol (TBA)	344	25	500	0	69	44	155	313.3	9.2(33)	
Dichloromethane	33.8	10	50	0	68	69	130	30.9	9.0(26)	M2
Freon-113	38.1	2.5	50	0	76	56	144	35.1	8.1(40)	
trans-1,2-Dichloroethene	45.3	2.5	50	0	91	67	131	42.15	7.1(27)	
Methyl tert-butyl ether (MTBE)	41.7	1.3	50	0	83	56	140	38.14	9.0(40)	
1,1-Dichloroethane	47.7	2.5	50	1.56	92	67	130	43.79	8.5(20)	
2-Butanone (MEK)	902	50	1000	0	90	26	183	850.7	5.9(22)	
Di-isopropyl Ether (DIPE)	44.8	2.5	50	0	90	59	138	41.35	8.0(20)	
cis-1,2-Dichloroethene	46.6	2.5	50	0	93	70	130	43.01	8.0(20)	
Bromochloromethane	43.2	2.5	50	0	86	70	134	39.84	8.0(20)	
Chloroform	47	2.5	50	0	94	69	130	42.85	9.2(22)	
Ethyl Tertiary Butyl Ether (ETBE)	44.2	2.5	50	0	88	62	135	40.48	8.8(40)	
2,2-Dichloropropane	40.1	2.5	50	0	80	44	149	36.93	8.3(23)	
1,2-Dichloroethane	49	2.5	50	0	98	64	139	45.33	7.8(20)	
1,1,1-Trichloroethane	49.6	2.5	50	0	99	65	139	45.68	8.1(20)	
1,1-Dichloropropene	47.5	2.5	50	0	95	68	134	44.03	7.6(20)	
Carbon tetrachloride	48.9	2.5	50	0	98	56	146	44.9	8.4(21)	
Benzene	45.2	1.3	50	0	90	67	134	41.34	8.9(21)	
Tertiary Amyl Methyl Ether (TAME)	43.8	2.5	50	0	88	64	135	40.52	7.8(31)	
Dibromomethane	47	2.5	50	0	94	70	132	44.03	6.5(20)	
1,2-Dichloropropane	46.5	2.5	50	0	93	69	134	42.22	9.7(20)	
Trichloroethene	45.1	2.5	50	0	90	68	138	41.48	8.3(20)	
Bromodichloromethane	49.8	2.5	50	0	99.6	58	147	46.37	7.1(20)	
4-Methyl-2-pentanone (MIBK)	109	13	125	0	87	49	140	100.9	7.9(24)	
cis-1,3-Dichloropropene	43.5	2.5	50	0	87	61	130	39.6	9.4(20)	
trans-1,3-Dichloropropene	47	2.5	50	0	94	62	131	43.27	8.3(21)	
1,1,2-Trichloroethane	47.6	2.5	50	0	95	70	131	43.63	8.6(20)	
Toluene	44.4	1.3	50	0	89	38	130	41	7.9(20)	
1,3-Dichloropropane	40.3	2.5	50	0	81	70	130	37.56	7.1(20)	
2-Hexanone	396	25	500	0	79	25	157	368.4	7.3(23)	
Dibromochloromethane	40.3	2.5	50	0	81	49	147	36.68	9.4(20)	
1,2-Dibromoethane (EDB)	80.8	5	100	0	81	70	131	75.83	6.4(20)	
Tetrachloroethene	43.7	2.5	50	0	87	63	134	40.17	8.5(20)	
1,1,1,2-Tetrachloroethane	49.8	2.5	50	0	99.7	70	133	46.51	6.9(20)	
Chlorobenzene	47.7	2.5	50	0	95	70	130	43.19	10.0(20)	
Ethylbenzene	48	1.3	50	0	96	70	130	44.57	7.4(20)	
m,p-Xylene	47.5	1.3	50	0	95	65	139	43.41	8.9(20)	
Bromoform	39.2	2.5	50	0	78	60	144	34.87	11.6(21)	
Styrene	48.7	2.5	50	0	97	53	144	44.41	9.2(31)	
o-Xylene	48.5	1.3	50	0	97	69	130	45.14	7.1(20)	
1,1,2,2-Tetrachloroethane	45.5	2.5	50	0	91	67	134	42.08	7.9(20)	
1,2,3-Trichloropropane	88.1	10	100	0	88	70	130	81.24	8.1(20)	
Isopropylbenzene	54.8	2.5	50	0	110	64	136	50.46	8.3(20)	
Bromobenzene	49.6	2.5	50	0	99	69	130	46.14	7.3(20)	
n-Propylbenzene	47.5	2.5	50	0	95	65	132	42.45	11.2(40)	
4-Chlorotoluene	53	2.5	50	0	106	69	132	48.81	8.3(20)	
2-Chlorotoluene	51.6	2.5	50	0	103	69	130	48.13	6.9(20)	
1,3,5-Trimethylbenzene	47.5	2.5	50	0	95	64	135	43.09	9.8(21)	
tert-Butylbenzene	46.7	2.5	50	0	93	63	139	42.53	9.4(20)	
1,2,4-Trimethylbenzene	54	2.5	50	0	108	62	135	49.1	9.5(24)	
sec-Butylbenzene	54.5	2.5	50	0	109	68	132	49.77	9.1(20)	
1,3-Dichlorobenzene	48.6	2.5	50	0	97	70	130	44.82	8.1(20)	
1,4-Dichlorobenzene	49.1	2.5	50	0	98	70	130	44.53	9.7(20)	
4-Isopropyltoluene	53.3	2.5	50	0	107	40	161	49.18	8.1(22)	
1,2-Dichlorobenzene	48.4	2.5	50	0	97	70	130	43.65	10.2(20)	
n-Butylbenzene	53.6	2.5	50	0	107	58	135	48.36	10.2(24)	
1,2-Dibromo-3-chloropropane (DBCP)	170	15	250	0	68	63	131	152.5	10.6(29)	

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *10-Nov-14*

QC Summary Report

Work Order: 14103102

1,2,4-Trichlorobenzene	42.1	10	50	0	84	57	134	35.88	15.9(30)
Naphthalene	33.6	10	50	0	67	31	157	29.21	14.0(40)
1,2,3-Trichlorobenzene	42	10	50	0	84	52	138	37.38	11.6(39)
Xylenes, Total	95.9	1.3	100	0	96	70	130	88.55	8.0(22)
Surr: 1,2-Dichloroethane-d4	53.3		50		107	70	130		
Surr: Toluene-d8	47.5		50		95	70	130		
Surr: 4-Bromofluorobenzene	52.7		50		105	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.

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 : CHHL14103102

Report Due By : 5:00 PM On : 11-Nov-14

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 : Nathan Vail, Spencer Doolittle

PO :

Client's COC # : none Job : DFSP Norwalk

Cooler Temp	Samples Received	Date Printed
1 °C	31-Oct-14	31-Oct-14

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
CHH14103102-01A	TB-3	AQ	10/30/14 07:35	2	0	7			TPHE(0.05) +Vinyl acetate						Reno Trip Blank 9/16/14
CHH14103102-02A	GMW-O-10	AQ	10/30/14 09:06	5	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						One HCL voa received broken
CHH14103102-03A	GMW-27	AQ	10/30/14 09:53	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103102-04A	MW-20 (MID)	AQ	10/30/14 10:29	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103102-05A	MW-19 (MID)	AQ	10/30/14 11:00	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103102-06A	GMW-1	AQ	10/30/14 11:12	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103102-07A	MW-21 (MID)	AQ	10/30/14 11:28	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103102-08A	GWR-1	AQ	10/30/14 11:32	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						

Comments: Security seals intact. Frozen ice. Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Total Xylenes. :

	Signature	Print Name	Company	Date/Time
Logged in by:	Morgan Lowery	Morgan Lowery	Alpha Analytical, Inc.	10/31/14 1101

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 : CHHL14103102

Report Due By : 5:00 PM On : 11-Nov-14

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 : Nathan Vail, Spencer Doolittle

PO :

Client's COC # : none Job : DFSP Norwalk

Cooler Temp	Samples Received	Date Printed
1 °C	31-Oct-14	31-Oct-14

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
CHH14103102-09A	MW-9	AQ	10/30/14 11:48	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103102-10A	HL-3	AQ	10/30/14 11:53	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103102-11A	EB-6	AQ	10/30/14 12:55	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103102-12A	PZ-5	AQ	10/30/14 13:15	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103102-13A	EB-5	AQ	10/30/14 13:29	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103102-14A	MW-8	AQ	10/30/14 13:19	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103102-15A	GMW-39	AQ	10/30/14 13:55	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103102-16A	GMW-14	AQ	10/30/14 14:30	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						

Comments: Security seals intact. Frozen ice. Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Total Xylenes. :

	Signature	Print Name	Company	Date/Time
Logged in by:	Morgan Lowery	Morgan Lowery	Alpha Analytical, Inc.	10/31/14 1101

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 : CHHL14103102

Report Due By : 5:00 PM On : 11-Nov-14

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 : Nathan Vail, Spencer Doolittle

PO :

Client's COC # : none Job : DFSP Norwalk

Cooler Temp	Samples Received	Date Printed
1 °C	31-Oct-14	31-Oct-14

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
CHH14103102-17A	DUP-2	AQ	10/30/14 00:00	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103102-18A	DUP-3	AQ	10/30/14 00:00	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103102-19A	DUP-4	AQ	10/30/14 00:00	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103102-20A	DUP-5	AQ	10/30/14 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. Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Total Xylenes. :

	Signature	Print Name	Company	Date/Time
Logged in by:	Morgan Lowery	Morgan Lowery	Alpha Analytical, Inc.	10/31/14 1101

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

CHAIN OF CUSTODY

CLIENT: Kinder Morgan

SITE: DFSP Norwalk

15306 Norwalk Blvd, Norwalk

CONDUCT ANALYSIS TO DETECT

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

CHH14103102

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 #
TB-3	10/30/14	0735	AQ	2	HCL	Voa		X				01A
GMW-10		0906	AQ	6	HCL	Voa	X	X				02A
GMW-27		0953	AQ	6	HCL	Voa	X	X				03A
MW-20(MID)		1029	AQ	6	HCL	Voa	X	X				04A
MW-19(MID)		1100	AQ	6	HCL	Voa	X	X				05A
GMW-1		1112	AQ	6	HCL	Voa	X	X				06A
MW-21(MID)		1128	AQ	6	HCL	Voa	X	X				07A
GWR-1		1132	AQ	6	HCL	Voa	X	X				08A
MW-9		1148	AQ	6	HCL	Voa	X	X				09A
HL-3		1153	AQ	6	HCL	Voa	X	X				10A

SAMPLING COMPLETED	DATE	TIME
	10/30/14	1450

SAMPLING PERFORMED BY: Matthew Vail, Spencer Doolittle

RESULTS NEEDED NO LATER THAN: Standard

RELEASED BY	TIME	RECEIVED BY	DATE	TIME
	1540	Nicole	10/30/14	1540
Nicole	1630	FEDEX	10/30/14	1630
		Morgan Lowery Alpha	10/31/14	1053

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

CHAIN OF CUSTODY

CLIENT: Kinder Morgan

SITE: DFSP Norwalk

15306 Norwalk Blvd, Norwalk

CONDUCT ANALYSIS TO DETECT

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

CHH14103102

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 #
EB-4	10-30-14	1255	AQ	6	HCL	Voa	X	X				11A
PZ-5	"	1315	AQ	6	HCL	Voa	X	X				12A
EB-5	"	1325	AQ	6	HCL	Voa	X	X				13A
MW-5	"	1315	AQ	6	HCL	Voa	X	X				14A
GMW-35	"	1355	AQ	6	HCL	Voa	X	X				15A
GMW-14	"	1430	AQ	6	HCL	Voa	X	X				16A
DUP-2	"	—	AQ	6	HCL	Voa	X	X				17A
DUP-3	"	—	AQ	6	HCL	Voa	X	X				18A
DUP-4	"	—	AQ	6	HCL	Voa	X	X				19A
DUP-5	"	—	AQ	6	HCL	Voa	X	X				20A

SAMPLING COMPLETED	DATE	TIME
	10-30-14	1450

SAMPLING PERFORMED BY: Ashton Vail, Spencer Doolittle

RESULTS NEEDED NO LATER THAN: Standard

		TIME			DATE	TIME
RELEASED BY		1540	RECEIVED BY	NICOLE	10/30/14	1540
RELEASED BY	NICOLE	1630	RECEIVED BY	FEDEX	10/30/14	1630
RELEASED BY			RECEIVED BY	Morgan Lowery Alpha	10/31/14	1053

SHIPPED VIA	TIME SENT	COOLER #	

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ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135
Date Received : 10/31/14

Job: 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-SF-7**					
Lab ID :	CHH14103103-01A	TPH-E (DRO)	ND	0.050 mg/L	10/31/14 14:59	10/31/14 22:04
Date Sampled	10/29/14 11:18	Surr: Nonane	124	(53-145) %REC	10/31/14 14:59	10/31/14 22:04
		TPH-P (GRO)	ND	0.050 mg/L	11/06/14	11/06/14
		Surr: 1,2-Dichloroethane-d4	108	(70-130) %REC	11/06/14	11/06/14
		Surr: Toluene-d8	97	(70-130) %REC	11/06/14	11/06/14
		Surr: 4-Bromofluorobenzene	101	(70-130) %REC	11/06/14	11/06/14
Client ID :	**GMW-O-5**					
Lab ID :	CHH14103103-02A	TPH-E (DRO)	ND	0.050 mg/L	10/31/14 14:59	10/31/14 22:30
Date Sampled	10/29/14 11:24	Surr: Nonane	120	(53-145) %REC	10/31/14 14:59	10/31/14 22:30
		TPH-P (GRO)	ND	0.050 mg/L	11/06/14	11/06/14
		Surr: 1,2-Dichloroethane-d4	108	(70-130) %REC	11/06/14	11/06/14
		Surr: Toluene-d8	97	(70-130) %REC	11/06/14	11/06/14
		Surr: 4-Bromofluorobenzene	102	(70-130) %REC	11/06/14	11/06/14
Client ID :	**GMW-3**					
Lab ID :	CHH14103103-03A	TPH-E (DRO)	ND	0.050 mg/L	10/31/14 14:59	11/01/14 00:14
Date Sampled	10/29/14 11:55	Surr: Nonane	115	(53-145) %REC	10/31/14 14:59	11/01/14 00:14
		TPH-P (GRO)	ND	0.050 mg/L	11/06/14	11/06/14
		Surr: 1,2-Dichloroethane-d4	108	(70-130) %REC	11/06/14	11/06/14
		Surr: Toluene-d8	98	(70-130) %REC	11/06/14	11/06/14
		Surr: 4-Bromofluorobenzene	103	(70-130) %REC	11/06/14	11/06/14
Client ID :	**GMW-O-9**					
Lab ID :	CHH14103103-04A	TPH-E (DRO)	ND	0.050 mg/L	10/31/14 14:59	11/01/14 00:40
Date Sampled	10/29/14 12:02	Surr: Nonane	109	(53-145) %REC	10/31/14 14:59	11/01/14 00:40
		TPH-P (GRO)	ND	0.050 mg/L	11/06/14	11/06/14
		Surr: 1,2-Dichloroethane-d4	113	(70-130) %REC	11/06/14	11/06/14
		Surr: Toluene-d8	95	(70-130) %REC	11/06/14	11/06/14
		Surr: 4-Bromofluorobenzene	98	(70-130) %REC	11/06/14	11/06/14
Client ID :	**GMW-O-2**					
Lab ID :	CHH14103103-05A	TPH-E (DRO)	ND	0.050 mg/L	10/31/14 14:59	11/01/14 01:06
Date Sampled	10/29/14 12:36	Surr: Nonane	110	(53-145) %REC	10/31/14 14:59	11/01/14 01:06
		TPH-P (GRO)	ND	0.050 mg/L	11/06/14	11/06/14
		Surr: 1,2-Dichloroethane-d4	110	(70-130) %REC	11/06/14	11/06/14
		Surr: Toluene-d8	95	(70-130) %REC	11/06/14	11/06/14
		Surr: 4-Bromofluorobenzene	102	(70-130) %REC	11/06/14	11/06/14
Client ID :	**MW-12**					
Lab ID :	CHH14103103-06A	TPH-E (DRO)	ND	0.050 mg/L	10/31/14 14:59	11/01/14 01:32
Date Sampled	10/29/14 13:19	Surr: Nonane	117	(53-145) %REC	10/31/14 14:59	11/01/14 01:32
		TPH-P (GRO)	ND	0.050 mg/L	11/06/14	11/06/14
		Surr: 1,2-Dichloroethane-d4	109	(70-130) %REC	11/06/14	11/06/14
		Surr: Toluene-d8	97	(70-130) %REC	11/06/14	11/06/14
		Surr: 4-Bromofluorobenzene	101	(70-130) %REC	11/06/14	11/06/14

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Client ID :	**GMW-8**						
Lab ID :	CHH14103103-07A	TPH-E (DRO)	0.065	L	0.050 mg/L	10/31/14 14:59	11/01/14 01:58
Date Sampled	10/29/14 13:24	Surr: Nonane	117		(53-145) %REC	10/31/14 14:59	11/01/14 01:58
		TPH-P (GRO)	ND	O	0.10 mg/L	11/06/14	11/06/14
		Surr: 1,2-Dichloroethane-d4	109		(70-130) %REC	11/06/14	11/06/14
		Surr: Toluene-d8	96		(70-130) %REC	11/06/14	11/06/14
		Surr: 4-Bromofluorobenzene	100		(70-130) %REC	11/06/14	11/06/14
Client ID :	**GMW-38**						
Lab ID :	CHH14103103-08A	TPH-E (DRO)	ND		0.050 mg/L	10/31/14 14:59	11/01/14 02:24
Date Sampled	10/29/14 13:55	Surr: Nonane	123		(53-145) %REC	10/31/14 14:59	11/01/14 02:24
		TPH-P (GRO)	ND		0.050 mg/L	11/07/14	11/07/14
		Surr: 1,2-Dichloroethane-d4	111		(70-130) %REC	11/07/14	11/07/14
		Surr: Toluene-d8	95		(70-130) %REC	11/07/14	11/07/14
		Surr: 4-Bromofluorobenzene	100		(70-130) %REC	11/07/14	11/07/14
Client ID :	**GMW-O-19**						
Lab ID :	CHH14103103-09A	TPH-E (DRO)	ND		0.050 mg/L	10/31/14 14:59	11/01/14 02:50
Date Sampled	10/29/14 14:14	Surr: Nonane	107		(53-145) %REC	10/31/14 14:59	11/01/14 02:50
		TPH-P (GRO)	ND		0.050 mg/L	11/07/14	11/07/14
		Surr: 1,2-Dichloroethane-d4	112		(70-130) %REC	11/07/14	11/07/14
		Surr: Toluene-d8	96		(70-130) %REC	11/07/14	11/07/14
		Surr: 4-Bromofluorobenzene	102		(70-130) %REC	11/07/14	11/07/14
Client ID :	**GMW-O-16**						
Lab ID :	CHH14103103-10A	TPH-E (DRO)	ND		0.050 mg/L	10/31/14 14:59	11/01/14 03:16
Date Sampled	10/29/14 14:27	Surr: Nonane	125		(53-145) %REC	10/31/14 14:59	11/01/14 03:16
		TPH-P (GRO)	ND		0.050 mg/L	11/07/14	11/07/14
		Surr: 1,2-Dichloroethane-d4	112		(70-130) %REC	11/07/14	11/07/14
		Surr: Toluene-d8	96		(70-130) %REC	11/07/14	11/07/14
		Surr: 4-Bromofluorobenzene	97		(70-130) %REC	11/07/14	11/07/14
Client ID :	**GMW-O-24**						
Lab ID :	CHH14103103-11A	TPH-E (DRO)	ND		0.050 mg/L	10/31/14 14:59	11/01/14 03:42
Date Sampled	10/29/14 08:15	Surr: Nonane	125		(53-145) %REC	10/31/14 14:59	11/01/14 03:42
		TPH-P (GRO)	ND		0.050 mg/L	11/07/14	11/07/14
		Surr: 1,2-Dichloroethane-d4	111		(70-130) %REC	11/07/14	11/07/14
		Surr: Toluene-d8	95		(70-130) %REC	11/07/14	11/07/14
		Surr: 4-Bromofluorobenzene	96		(70-130) %REC	11/07/14	11/07/14
Client ID :	**PW-3**						
Lab ID :	CHH14103103-12A	TPH-E (DRO)	ND		0.050 mg/L	10/31/14 14:59	11/01/14 04:08
Date Sampled	10/29/14 08:16	Surr: Nonane	114		(53-145) %REC	10/31/14 14:59	11/01/14 04:08
		TPH-P (GRO)	ND		0.050 mg/L	11/07/14	11/07/14
		Surr: 1,2-Dichloroethane-d4	110		(70-130) %REC	11/07/14	11/07/14
		Surr: Toluene-d8	94		(70-130) %REC	11/07/14	11/07/14
		Surr: 4-Bromofluorobenzene	97		(70-130) %REC	11/07/14	11/07/14
Client ID :	**GMW-O-17**						
Lab ID :	CHH14103103-13A	TPH-E (DRO)	ND		0.050 mg/L	10/31/14 15:14	11/01/14 03:55
Date Sampled	10/29/14 08:56	Surr: Nonane	115		(53-145) %REC	10/31/14 15:14	11/01/14 03:55
		TPH-P (GRO)	ND		0.050 mg/L	11/07/14	11/07/14
		Surr: 1,2-Dichloroethane-d4	112		(70-130) %REC	11/07/14	11/07/14
		Surr: Toluene-d8	96		(70-130) %REC	11/07/14	11/07/14
		Surr: 4-Bromofluorobenzene	99		(70-130) %REC	11/07/14	11/07/14
Client ID :	**HL-2**						
Lab ID :	CHH14103103-14A	TPH-E (DRO)	ND		0.050 mg/L	10/31/14 15:14	11/01/14 04:20
Date Sampled	10/29/14 09:01	Surr: Nonane	120		(53-145) %REC	10/31/14 15:14	11/01/14 04:20
		TPH-P (GRO)	ND		0.050 mg/L	11/07/14	11/07/14
		Surr: 1,2-Dichloroethane-d4	112		(70-130) %REC	11/07/14	11/07/14
		Surr: Toluene-d8	96		(70-130) %REC	11/07/14	11/07/14
		Surr: 4-Bromofluorobenzene	97		(70-130) %REC	11/07/14	11/07/14

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Client ID :	**GMW-O-1**					
Lab ID :	CHH14103103-15A	TPH-E (DRO)	ND	0.050 mg/L	10/31/14 15:14	11/01/14 04:46
Date Sampled	10/29/14 09:32	Surr: Nonane	110	(53-145) %REC	10/31/14 15:14	11/01/14 04:46
		TPH-P (GRO)	ND	0.050 mg/L	11/07/14	11/07/14
		Surr: 1,2-Dichloroethane-d4	111	(70-130) %REC	11/07/14	11/07/14
		Surr: Toluene-d8	95	(70-130) %REC	11/07/14	11/07/14
		Surr: 4-Bromofluorobenzene	96	(70-130) %REC	11/07/14	11/07/14
Client ID :	**GMW-13**					
Lab ID :	CHH14103103-16A	TPH-E (DRO)	ND	0.050 mg/L	10/31/14 15:14	11/01/14 05:11
Date Sampled	10/29/14 09:44	Surr: Nonane	129	(53-145) %REC	10/31/14 15:14	11/01/14 05:11
		TPH-P (GRO)	ND	0.050 mg/L	11/07/14	11/07/14
		Surr: 1,2-Dichloroethane-d4	109	(70-130) %REC	11/07/14	11/07/14
		Surr: Toluene-d8	95	(70-130) %REC	11/07/14	11/07/14
		Surr: 4-Bromofluorobenzene	94	(70-130) %REC	11/07/14	11/07/14
Client ID :	**GMW-O-3**					
Lab ID :	CHH14103103-17A	TPH-E (DRO)	ND	0.050 mg/L	10/31/14 15:14	11/01/14 05:37
Date Sampled	10/29/14 10:05	Surr: Nonane	117	(53-145) %REC	10/31/14 15:14	11/01/14 05:37
		TPH-P (GRO)	ND	0.050 mg/L	11/07/14	11/07/14
		Surr: 1,2-Dichloroethane-d4	113	(70-130) %REC	11/07/14	11/07/14
		Surr: Toluene-d8	97	(70-130) %REC	11/07/14	11/07/14
		Surr: 4-Bromofluorobenzene	98	(70-130) %REC	11/07/14	11/07/14
Client ID :	**GMW-37**					
Lab ID :	CHH14103103-18A	TPH-E (DRO)	ND	0.050 mg/L	10/31/14 15:14	11/01/14 06:02
Date Sampled	10/29/14 10:12	Surr: Nonane	126	(53-145) %REC	10/31/14 15:14	11/01/14 06:02
		TPH-P (GRO)	ND	0.050 mg/L	11/07/14	11/07/14
		Surr: 1,2-Dichloroethane-d4	113	(70-130) %REC	11/07/14	11/07/14
		Surr: Toluene-d8	95	(70-130) %REC	11/07/14	11/07/14
		Surr: 4-Bromofluorobenzene	95	(70-130) %REC	11/07/14	11/07/14
Client ID :	**GMW-SF-8**					
Lab ID :	CHH14103103-19A	TPH-E (DRO)	ND	0.050 mg/L	10/31/14 15:14	11/01/14 06:28
Date Sampled	10/29/14 10:41	Surr: Nonane	121	(53-145) %REC	10/31/14 15:14	11/01/14 06:28
		TPH-P (GRO)	ND	0.050 mg/L	11/07/14	11/07/14
		Surr: 1,2-Dichloroethane-d4	110	(70-130) %REC	11/07/14	11/07/14
		Surr: Toluene-d8	94	(70-130) %REC	11/07/14	11/07/14
		Surr: 4-Bromofluorobenzene	98	(70-130) %REC	11/07/14	11/07/14
Client ID :	**GMW-O-4**					
Lab ID :	CHH14103103-20A	TPH-E (DRO)	ND	0.050 mg/L	10/31/14 15:14	11/01/14 06:53
Date Sampled	10/29/14 10:52	Surr: Nonane	106	(53-145) %REC	10/31/14 15:14	11/01/14 06:53
		TPH-P (GRO)	ND	0.050 mg/L	11/07/14	11/07/14
		Surr: 1,2-Dichloroethane-d4	114	(70-130) %REC	11/07/14	11/07/14
		Surr: Toluene-d8	95	(70-130) %REC	11/07/14	11/07/14
		Surr: 4-Bromofluorobenzene	100	(70-130) %REC	11/07/14	11/07/14
Client ID :	**MW-6**					
Lab ID :	CHH14103103-21A	TPH-E (DRO)	ND	0.050 mg/L	10/31/14 15:14	11/01/14 08:35
Date Sampled	10/29/14 14:53	Surr: Nonane	122	(53-145) %REC	10/31/14 15:14	11/01/14 08:35
		TPH-P (GRO)	ND	0.050 mg/L	11/10/14	11/10/14
		Surr: 1,2-Dichloroethane-d4	107	(70-130) %REC	11/10/14	11/10/14
		Surr: Toluene-d8	86	(70-130) %REC	11/10/14	11/10/14
		Surr: 4-Bromofluorobenzene	112	(70-130) %REC	11/10/14	11/10/14
Client ID :	**MW-7**					
Lab ID :	CHH14103103-22A	TPH-E (DRO)	ND	0.050 mg/L	10/31/14 15:14	11/01/14 09:00
Date Sampled	10/29/14 15:02	Surr: Nonane	116	(53-145) %REC	10/31/14 15:14	11/01/14 09:00
		TPH-P (GRO)	ND	0.050 mg/L	11/10/14	11/10/14
		Surr: 1,2-Dichloroethane-d4	106	(70-130) %REC	11/10/14	11/10/14
		Surr: Toluene-d8	86	(70-130) %REC	11/10/14	11/10/14
		Surr: 4-Bromofluorobenzene	112	(70-130) %REC	11/10/14	11/10/14

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Client ID :	**TB-2**					
Lab ID :	CHH14103103-23A	TPH-E (DRO)	ND	0.050 mg/L	10/31/14 15:14	11/01/14 10:16
Date Sampled	10/29/14 07:30	Surr: Nonane	111	(53-145) %REC	10/31/14 15:14	11/01/14 10:16
		TPH-P (GRO)	ND	0.050 mg/L	11/06/14	11/06/14
		Surr: 1,2-Dichloroethane-d4	118	(70-130) %REC	11/06/14	11/06/14
		Surr: Toluene-d8	85	(70-130) %REC	11/06/14	11/06/14
		Surr: 4-Bromofluorobenzene	110	(70-130) %REC	11/06/14	11/06/14
Client ID :	**EB-3**					
Lab ID :	CHH14103103-24A	TPH-E (DRO)	ND	0.050 mg/L	10/31/14 15:14	11/01/14 10:42
Date Sampled	10/29/14 14:30	Surr: Nonane	127	(53-145) %REC	10/31/14 15:14	11/01/14 10:42
		TPH-P (GRO)	ND	0.050 mg/L	11/06/14	11/06/14
		Surr: 1,2-Dichloroethane-d4	119	(70-130) %REC	11/06/14	11/06/14
		Surr: Toluene-d8	85	(70-130) %REC	11/06/14	11/06/14
		Surr: 4-Bromofluorobenzene	112	(70-130) %REC	11/06/14	11/06/14
Client ID :	**EB-4**					
Lab ID :	CHH14103103-25A	TPH-E (DRO)	ND	0.050 mg/L	10/31/14 15:14	11/01/14 11:07
Date Sampled	10/29/14 12:50	Surr: Nonane	125	(53-145) %REC	10/31/14 15:14	11/01/14 11:07
		TPH-P (GRO)	ND	0.050 mg/L	11/06/14	11/06/14
		Surr: 1,2-Dichloroethane-d4	121	(70-130) %REC	11/06/14	11/06/14
		Surr: Toluene-d8	85	(70-130) %REC	11/06/14	11/06/14
		Surr: 4-Bromofluorobenzene	110	(70-130) %REC	11/06/14	11/06/14
Client ID :	**DUP-1**					
Lab ID :	CHH14103103-26A	TPH-E (DRO)	ND	0.050 mg/L	10/31/14 15:14	11/01/14 11:33
Date Sampled	10/29/14 00:00	Surr: Nonane	129	(53-145) %REC	10/31/14 15:14	11/01/14 11:33
		TPH-P (GRO)	ND	0.050 mg/L	11/06/14	11/06/14
		Surr: 1,2-Dichloroethane-d4	112	(70-130) %REC	11/06/14	11/06/14
		Surr: Toluene-d8	86	(70-130) %REC	11/06/14	11/06/14
		Surr: 4-Bromofluorobenzene	112	(70-130) %REC	11/06/14	11/06/14

Diesel Range Organics (DRO) C13-C22

Gasoline Range Organics (GRO) C4-C13

L = DRO concentration may include contributions from heavier-end hydrocarbons that elute in the DRO range.

O = Reporting Limits were increased due to sample foaming.

ND = Not Detected

ACLASS ACCREDITED DoD ELAP

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer

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.

11/10/14

Report Date

Alpha Analytical, Inc.

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ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103103-01A
Client I.D. Number: GMW-SF-7

Sampled: 10/29/14 11:18
Received: 10/31/14
Extracted: 11/06/14
Analyzed: 11/06/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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	97	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	101	(70-130)	%REC

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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11/10/14
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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103103-02A
Client I.D. Number: GMW-O-5

Sampled: 10/29/14 11:24
Received: 10/31/14
Extracted: 11/06/14
Analyzed: 11/06/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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	97	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	102	(70-130)	%REC

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer

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11/10/14
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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103103-03A
Client I.D. Number: GMW-3

Sampled: 10/29/14 11:55
Received: 10/31/14
Extracted: 11/06/14
Analyzed: 11/06/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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	103	(70-130)	%REC

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

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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: DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103103-04A
Client I.D. Number: GMW-O-9

Sampled: 10/29/14 12:02
Received: 10/31/14
Extracted: 11/06/14
Analyzed: 11/06/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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	95	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	98	(70-130)	%REC

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Roger Scholl Randy Gardner Walter Hinchman

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ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103103-05A
Client I.D. Number: GMW-O-2

Sampled: 10/29/14 12:36
Received: 10/31/14
Extracted: 11/06/14
Analyzed: 11/06/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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	95	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	102	(70-130)	%REC

ND = Not Detected

11/10/14
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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103103-06A
Client I.D. Number: MW-12

Sampled: 10/29/14 13:19
Received: 10/31/14
Extracted: 11/06/14
Analyzed: 11/06/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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	101	(70-130)	%REC

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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.

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11/10/14
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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103103-07A
Client I.D. Number: GMW-8

Sampled: 10/29/14 13:24
Received: 10/31/14
Extracted: 11/06/14
Analyzed: 11/06/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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)	ND	10	µg/L
10	Dichloromethane	ND	5.0	µg/L
11	Fraon-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)	1.1	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	3.3	1.0	µg/L
25	1,1,1-Trichloroethene	ND	1.0	µg/L
26	1,1-Dichloropropane	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	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	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	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	109	(70-130)	%REC
73	Surr: Toluene-d8	96	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	100	(70-130)	%REC

Some Reporting Limits were increased due to sample foaming.

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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11/10/14
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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103103-08A
Client I.D. Number: GMW-38

Sampled: 10/29/14 13:55
Received: 10/31/14
Extracted: 11/07/14
Analyzed: 11/07/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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-Tetrachloroethene	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	Nephthalene	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	95	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	100	(70-130)	%REC

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

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ACLASS ACCREDITED DoD ELAP

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11/10/14
Report Date

Alpha Analytical, Inc.

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ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103103-09A
Client I.D. Number: GMW-O-19

Sampled: 10/29/14 14:14
Received: 10/31/14
Extracted: 11/07/14
Analyzed: 11/07/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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	102	(70-130)	%REC

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

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11/10/14
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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103103-10A
Client I.D. Number: GMW-O-16

Sampled: 10/29/14 14:27
Received: 10/31/14
Extracted: 11/07/14
Analyzed: 11/07/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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	0.89	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	97	(70-130)	%REC

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

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11/10/14
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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103103-11A
Client I.D. Number: GMW-O-24

Sampled: 10/29/14 08:15
Received: 10/31/14
Extracted: 11/07/14
Analyzed: 11/07/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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	Dichloromethene	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	95	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	96	(70-130)	%REC

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

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ACLASS ACCREDITED DoD ELAP

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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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103103-12A
Client I.D. Number: PW-3

Sampled: 10/29/14 08:16
Received: 10/31/14
Extracted: 11/07/14
Analyzed: 11/07/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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	Dibromochloromethene	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	94	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	97	(70-130)	%REC

ND = Not Detected

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11/10/14
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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103103-13A
Client I.D. Number: GMW-O-17

Sampled: 10/29/14 08:56
Received: 10/31/14
Extracted: 11/07/14
Analyzed: 11/07/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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-Trichloroethene	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	Tertiery 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	99	(70-130)	%REC

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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ACCREDITED DoD ELAP

11/10/14
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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103103-14A
Client I.D. Number: HL-2

Sampled: 10/29/14 09:01
Received: 10/31/14
Extracted: 11/07/14
Analyzed: 11/07/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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)	0.58	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	97	(70-130)	%REC

ND = Not Detected

11/10/14
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: DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103103-15A
Client I.D. Number: GMW-O-1

Sampled: 10/29/14 09:32
Received: 10/31/14
Extracted: 11/07/14
Analyzed: 11/07/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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-Dichloropropane	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	95	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	96	(70-130)	%REC

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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ACCREDITED DoD ELAP

11/10/14
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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103103-16A
Client I.D. Number: GMW-13

Sampled: 10/29/14 09:44
Received: 10/31/14
Extracted: 11/07/14
Analyzed: 11/07/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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-Dichloropropene	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	95	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	94	(70-130)	%REC

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer

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11/10/14
Report Date

Alpha Analytical, Inc.

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ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103103-17A
Client I.D. Number: GMW-O-3

Sampled: 10/29/14 10:05
Received: 10/31/14
Extracted: 11/07/14
Analyzed: 11/07/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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-Trichloroethene	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-Tatrachloroethane	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	97	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	98	(70-130)	%REC

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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11/10/14
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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103103-18A
Client I.D. Number: GMW-37

Sampled: 10/29/14 10:12
Received: 10/31/14
Extracted: 11/07/14
Analyzed: 11/07/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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	95	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	95	(70-130)	%REC

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

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ACCREDITED ACLASS DoD ELAP

11/10/14
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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103103-19A
Client I.D. Number: GMW-SF-8

Sampled: 10/29/14 10:41
Received: 10/31/14
Extracted: 11/07/14
Analyzed: 11/07/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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	1.2	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	94	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	98	(70-130)	%REC

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

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ACCLASS ACCREDITED DoD ELAP

11/10/14
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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103103-20A
Client I.D. Number: GMW-O-4

Sampled: 10/29/14 10:52
Received: 10/31/14
Extracted: 11/07/14
Analyzed: 11/07/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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	100	(70-130)	%REC

ND = Not Detected

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11/10/14
Report Date

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ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103103-21A
Client I.D. Number: MW-6

Sampled: 10/29/14 14:53
Received: 10/31/14
Extracted: 11/10/14
Analyzed: 11/10/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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)	0.67		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	0.51		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	86		(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	112		(70-130)	%REC

*Note: Analyte was analyzed separately on 11/06/14.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer

Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

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11/10/14
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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103103-22A
Client I.D. Number: MW-7

Sampled: 10/29/14 15:02
Received: 10/31/14
Extracted: 11/10/14
Analyzed: 11/10/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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	0.82	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	86	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	112	(70-130)	%REC

*Note: Analyte was analyzed separately on 11/06/14.

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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11/10/14
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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103103-23A
Client I.D. Number: TB-2

Sampled: 10/29/14 07:30
Received: 10/31/14
Extracted: 11/06/14
Analyzed: 11/06/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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	85	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	110	(70-130)	%REC

ND = Not Detected

11/10/14
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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103103-24A
Client I.D. Number: EB-3

Sampled: 10/29/14 14:30
Received: 10/31/14
Extracted: 11/06/14
Analyzed: 11/06/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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	Dibromomethene	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	Dibromochloromethene	ND	1.0	µg/L
42	1,2-Dibromoethene (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	Naphthelene	ND	10	µg/L
71	1,2,3-Trichlorobenzene	ND	2.0	µg/L
72	Surr: 1,2-Dichloroethane-d4	119	(70-130)	%REC
73	Surr: Toluene-d8	85	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	112	(70-130)	%REC

ND = Not Detected

ACLASS ACCREDITED DoD ELAP

Roger Scholl Randy Gardner Walter Hinchman

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11/10/14
Report Date

Alpha Analytical, Inc.

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ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103103-25A
Client I.D. Number: EB-4

Sampled: 10/29/14 12:50
Received: 10/31/14
Extracted: 11/06/14
Analyzed: 11/06/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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	Bromomethene	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	Tertiery Butyl Alcohol (TBA)	ND	10	µg/L
10	Dichloromethene	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-Trichloropropene	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	85	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	110	(70-130)	%REC

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

11/10/14
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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14103103-26A
Client I.D. Number: DUP-1

Sampled: 10/29/14 00:00
Received: 10/31/14
Extracted: 11/06/14
Analyzed: 11/06/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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-Dibromoethene (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	86	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	112	(70-130)	%REC

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

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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.

11/10/14
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: CHH14103103 **Job:** DFSP Norwalk

Alpha's Sample ID	Client's Sample ID	Matrix	pH
14103103-01A	GMW-SF-7	Aqueous	2
14103103-02A	GMW-O-5	Aqueous	2
14103103-03A	GMW-3	Aqueous	2
14103103-04A	GMW-O-9	Aqueous	2
14103103-05A	GMW-O-2	Aqueous	2
14103103-06A	MW-12	Aqueous	2
14103103-07A	GMW-8	Aqueous	2
14103103-08A	GMW-38	Aqueous	2
14103103-09A	GMW-O-19	Aqueous	2
14103103-10A	GMW-O-16	Aqueous	2
14103103-11A	GMW-O-24	Aqueous	2
14103103-12A	PW-3	Aqueous	2
14103103-13A	GMW-O-17	Aqueous	2
14103103-14A	HL-2	Aqueous	2
14103103-15A	GMW-O-1	Aqueous	2
14103103-16A	GMW-13	Aqueous	2
14103103-17A	GMW-O-3	Aqueous	2
14103103-18A	GMW-37	Aqueous	2
14103103-19A	GMW-SF-8	Aqueous	2
14103103-20A	GMW-O-4	Aqueous	2
14103103-21A	MW-6	Aqueous	2
14103103-22A	MW-7	Aqueous	2
14103103-23A	TB-2	Aqueous	2
14103103-24A	EB-3	Aqueous	2
14103103-25A	EB-4	Aqueous	2
14103103-26A	DUP-1	Aqueous	2

11/10/14

Report Date

Alpha Analytical, Inc.

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Date: *10-Nov-14*

QC Summary Report

Work Order: 14103103

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B/C Ext**

File ID: **1** Batch ID: **33783** Analysis Date: **10/31/2014 16:53**

Sample ID: **MBLK-33783** Units : **mg/L** Run ID: **MANUAL_141031B** Prep Date: **10/31/2014 14:59**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	ND	0.05								
Surr: Nonane	0.163		0.15		109	53	145			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B/C Ext**

File ID: **2** Batch ID: **33783** Analysis Date: **10/31/2014 17:19**

Sample ID: **LCS-33783** Units : **mg/L** Run ID: **MANUAL_141031B** Prep Date: **10/31/2014 14:59**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.49	0.05	2.5		99.7	70	130			
Surr: Nonane	0.191		0.15		127	53	145			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B/C Ext**

File ID: **7** Batch ID: **33783** Analysis Date: **10/31/2014 19:28**

Sample ID: **14103102-17AMS** Units : **mg/L** Run ID: **MANUAL_141031B** Prep Date: **10/31/2014 14:59**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.33	0.05	2.5	0	93	51	151			
Surr: Nonane	0.135		0.15		90	53	145			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B/C Ext**

File ID: **8** Batch ID: **33783** Analysis Date: **10/31/2014 19:54**

Sample ID: **14103102-17AMSD** Units : **mg/L** Run ID: **MANUAL_141031B** Prep Date: **10/31/2014 14:59**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.56	0.05	2.5	0	102	51	151	2.326	9.5(40)	
Surr: Nonane	0.162		0.15		108	53	145			

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: *10-Nov-14*

QC Summary Report

Work Order: 14103103

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B/C Ext**

File ID: **25** Batch ID: **33784** Analysis Date: **11/01/2014 03:04**

Sample ID: **MBLK-33784** Units : **mg/L** Run ID: **MANUAL_141031C** Prep Date: **10/31/2014 15:14**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	ND	0.05								
Surr: Nonane	0.203		0.15		135	53	145			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B/C Ext**

File ID: **26** Batch ID: **33784** Analysis Date: **11/01/2014 03:29**

Sample ID: **LCS-33784** Units : **mg/L** Run ID: **MANUAL_141031C** Prep Date: **10/31/2014 15:14**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.4	0.05	2.5		96	70	130			
Surr: Nonane	0.186		0.15		124	53	145			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B/C Ext**

File ID: **37** Batch ID: **33784** Analysis Date: **11/01/2014 09:26**

Sample ID: **14103103-22AMS** Units : **mg/L** Run ID: **MANUAL_141031C** Prep Date: **10/31/2014 15:14**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.76	0.05	2.5	0	110	51	151			
Surr: Nonane	0.186		0.15		124	53	145			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B/C Ext**

File ID: **38** Batch ID: **33784** Analysis Date: **11/01/2014 09:51**

Sample ID: **14031003-22AMSD** Units : **mg/L** Run ID: **MANUAL_141031C** Prep Date: **10/31/2014 15:14**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.66	0.05	2.5	0	106	51	151	2.758	3.8(40)	
Surr: Nonane	0.15		0.15		100	53	145			

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-Nov-14*

QC Summary Report

Work Order: 14103103

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **C:\HPCHEM\MS10\DATA\141106\14110637.D** Batch ID: **MS10W1106D** Analysis Date: **11/06/2014 21:21**

Sample ID: **MBLK MS10W1106D** Units : **mg/L** Run ID: **MSD_10_141106B** Prep Date: **11/06/2014 21:21**

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	0.00967		0.01		97	70	130			
Surr: 4-Bromofluorobenzene	0.0102		0.01		102	70	130			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **C:\HPCHEM\MS10\DATA\141106\14110634.D** Batch ID: **MS10W1106D** Analysis Date: **11/06/2014 20:18**

Sample ID: **GLCS MS10W1106D** Units : **mg/L** Run ID: **MSD_10_141106B** Prep Date: **11/06/2014 20:18**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	0.418	0.05	0.4		104	70	130			
Surr: 1,2-Dichloroethane-d4	0.0114		0.01		114	70	130			
Surr: Toluene-d8	0.00909		0.01		91	70	130			
Surr: 4-Bromofluorobenzene	0.0103		0.01		103	70	130			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **C:\HPCHEM\MS10\DATA\141106\14110650.D** Batch ID: **MS10W1106D** Analysis Date: **11/07/2014 01:52**

Sample ID: **14103103-01AGS** Units : **mg/L** Run ID: **MSD_10_141106B** Prep Date: **11/07/2014 01:52**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.91	0.25	2	0	96	54	143			
Surr: 1,2-Dichloroethane-d4	0.0557		0.05		111	70	130			
Surr: Toluene-d8	0.0453		0.05		91	70	130			
Surr: 4-Bromofluorobenzene	0.0518		0.05		104	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **C:\HPCHEM\MS10\DATA\141106\14110651.D** Batch ID: **MS10W1106D** Analysis Date: **11/07/2014 02:13**

Sample ID: **14103103-01AGSD** Units : **mg/L** Run ID: **MSD_10_141106B** Prep Date: **11/07/2014 02:13**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.94	0.25	2	0	97	54	143	1.911	1.5(23)	
Surr: 1,2-Dichloroethane-d4	0.0541		0.05		108	70	130			
Surr: Toluene-d8	0.0475		0.05		95	70	130			
Surr: 4-Bromofluorobenzene	0.0515		0.05		103	70	130			

Comments:

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Date: *10-Nov-14*

QC Summary Report

Work Order: 14103103

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **14110624.D** Batch ID: **MS15W1106B** Analysis Date: **11/06/2014 18:00**

Sample ID: **MBLK MS15W1106B** Units : **mg/L** Run ID: **MSD_15_141106A** Prep Date: **11/06/2014 18:00**

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	0.0115		0.01		115	70	130			
Surr: Toluene-d8	0.00861		0.01		86	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: **14110621.D** Batch ID: **MS15W1106B** Analysis Date: **11/06/2014 16:48**

Sample ID: **GLCS MS15W1106B** Units : **mg/L** Run ID: **MSD_15_141106A** Prep Date: **11/06/2014 16:48**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	0.397	0.05	0.4		99	70	130			
Surr: 1,2-Dichloroethane-d4	0.0115		0.01		115	70	130			
Surr: Toluene-d8	0.00848		0.01		85	70	130			
Surr: 4-Bromofluorobenzene	0.0112		0.01		112	70	130			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **14110647.D** Batch ID: **MS15W1106B** Analysis Date: **11/07/2014 03:12**

Sample ID: **14103103-21AGS** Units : **mg/L** Run ID: **MSD_15_141106A** Prep Date: **11/07/2014 03:12**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.65	0.25	2	0	83	54	143			
Surr: 1,2-Dichloroethane-d4	0.0539		0.05		108	70	130			
Surr: Toluene-d8	0.0437		0.05		87	70	130			
Surr: 4-Bromofluorobenzene	0.0568		0.05		114	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **14110648.D** Batch ID: **MS15W1106B** Analysis Date: **11/07/2014 03:36**

Sample ID: **14103103-21AGSD** Units : **mg/L** Run ID: **MSD_15_141106A** Prep Date: **11/07/2014 03:36**

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	1.651	10.9(23)	
Surr: 1,2-Dichloroethane-d4	0.0535		0.05		107	70	130			
Surr: Toluene-d8	0.043		0.05		86	70	130			
Surr: 4-Bromofluorobenzene	0.0571		0.05		114	70	130			

Comments:

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *11-Nov-14*

QC Summary Report

Work Order: 14103103

Method Blank Type **MBLK** Test Code: **EPA Method SW8260B**

File ID: **C:\HPCHEM\MS10\DATA\141106\14110637.D** Batch ID: **MS10W1106C** Analysis Date: **11/06/2014 21:21**

Sample ID: **MBLK MS10W1106C** Units : **µg/L** Run ID: **MSD_10_141106B** Prep Date: **11/06/2014 21:21**

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: 14103103

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	9.67		10	97	70	130
Surr: 4-Bromofluorobenzene	10.2		10	102	70	130

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QC Summary Report

Work Order: 14103103

Laboratory Control Spike Type **LCS** Test Code: **EPA Method SW8260B**

File ID: **C:\HPCHEM\MS10\DATA\141106\14110632.D** Batch ID: **MS10W1106C** Analysis Date: **11/06/2014 19:34**

Sample ID: **LCS MS10W1106C** Units : **µg/L** Run ID: **MSD_10_141106B** Prep Date: **11/06/2014 19:34**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	13.2	1	10		132	32	145			
Chloromethane	8.88	2	10		89	40	145			
Vinyl chloride	10.2	1	10		102	80	120			
Chloroethane	8.56	1	10		86	38	156			
Bromomethane	5.59	2	10		56	14	162			
Trichlorofluoromethane	11.5	1	10		115	46	154			
Acetone	224	10	200		112	22	188			
1,1-Dichloroethene	9.62	1	10		96	80	120			
Tertiary Butyl Alcohol (TBA)	90.2	10	100		90	48	148			
Dichloromethane	7.39	2	10		74	69	130			
Freon-113	8.09	1	10		81	70	136			
trans-1,2-Dichloroethene	9.43	1	10		94	70	130			
Methyl tert-butyl ether (MTBE)	9.6	0.5	10		96	63	137			
1,1-Dichloroethane	9.35	1	10		94	70	130			
2-Butanone (MEK)	219	10	200		110	26	183			
Di-isopropyl Ether (DIPE)	9.44	1	10		94	69	133			
cis-1,2-Dichloroethene	9.67	1	10		97	70	130			
Bromochloromethane	9.33	1	10		93	70	133			
Chloroform	9.63	1	10		96	80	120			
Ethyl Tertiary Butyl Ether (ETBE)	9.71	1	10		97	66	135			
2,2-Dichloropropane	9.94	1	10		99	70	149			
1,2-Dichloroethane	10.7	1	10		107	70	133			
1,1,1-Trichloroethane	10.1	1	10		101	70	135			
1,1-Dichloropropene	9.85	1	10		99	70	130			
Carbon tetrachloride	9.89	1	10		99	63	143			
Benzene	9.23	0.5	10		92	70	130			
Tertiary Amyl Methyl Ether (TAME)	9.94	1	10		99	70	133			
Dibromomethane	10.5	1	10		105	70	130			
1,2-Dichloropropane	9.56	1	10		96	80	120			
Trichloroethene	9.23	1	10		92	68	138			
Bromodichloromethane	10.5	1	10		105	58	147			
4-Methyl-2-pentanone (MIBK)	25.9	2.5	25		103	59	140			
cis-1,3-Dichloropropene	9.44	1	10		94	70	130			
trans-1,3-Dichloropropene	10.6	1	10		106	70	131			
1,1,2-Trichloroethane	10.3	1	10		103	70	130			
Toluene	8.93	0.5	10		89	80	120			
1,3-Dichloropropane	8.6	1	10		86	70	130			
2-Hexanone	159	5	100		159	48	157			L51
Dibromochloromethane	8.37	1	10		84	49	147			
1,2-Dibromoethane (EDB)	17.6	2	20		88	70	131			
Tetrachloroethene	8.88	1	10		89	70	130			
Chlorobenzene	9.39	1	10		94	70	130			
Ethylbenzene	9.58	0.5	10		96	80	120			
m,p-Xylene	9.39	0.5	10		94	65	139			
Bromoform	8.28	1	10		83	60	144			
Styrene	9.81	1	10		98	55	144			
o-Xylene	9.65	0.5	10		97	70	130			
1,1,2,2-Tetrachloroethane	10.2	1	10		102	70	130			
1,2,3-Trichloropropane	19.5	2	20		98	70	130			
Isopropylbenzene	10.7	1	10		107	69	136			
Bromobenzene	10.3	1	10		103	70	130			
n-Propylbenzene	9.07	1	10		91	70	132			
4-Chlorotoluene	10.6	1	10		106	70	132			
2-Chlorotoluene	10.4	1	10		104	70	130			
1,3,5-Trimethylbenzene	9.38	1	10		94	70	134			
tert-Butylbenzene	9.05	1	10		91	63	139			
1,2,4-Trimethylbenzene	10.7	1	10		107	70	133			
sec-Butylbenzene	10.5	1	10		105	70	132			
1,3-Dichlorobenzene	9.83	1	10		98	70	130			
1,4-Dichlorobenzene	10	1	10		100	70	130			
4-Isopropyltoluene	10.6	1	10		106	40	161			
1,2-Dichlorobenzene	9.89	1	10		99	70	130			
n-Butylbenzene	10.8	1	10		108	69	134			
1,2-Dibromo-3-chloropropane (DBCP)	37.3	3	50		75	67	130			
1,2,4-Trichlorobenzene	8.88	2	10		89	62	131			

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QC Summary Report

Work Order: 14103103

Naphthalene	7.49	2	10	75	39	149
1,2,3-Trichlorobenzene	9.14	2	10	91	54	135
Xylenes, Total	19	0.5	20	95	70	130
Surr: 1,2-Dichloroethane-d4	11.6		10	116	70	130
Surr: Toluene-d8	9.42		10	94	70	130
Surr: 4-Bromofluorobenzene	10.4		10	104	70	130

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Date: 11-Nov-14

QC Summary Report

Work Order: 14103103

Sample Matrix Spike Type **MS** Test Code: **EPA Method SW8260B**

File ID: **C:\HPCHEM\MS10\DATA\141106\14110648.D** Batch ID: **MS10W1106C** Analysis Date: **11/07/2014 01:10**

Sample ID: **14103103-01AMS** Units : **µg/L** Run ID: **MSD_10_141106B** Prep Date: **11/07/2014 01:10**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	55	2.5	50	0	110	12	150			
Chloromethane	46.2	10	50	0	92	26	146			
Vinyl chloride	48.5	2.5	50	0	97	46	142			
Chloroethane	44.3	2.5	50	0	89	25	164			
Bromomethane	28	10	50	0	56	10	172			
Trichlorofluoromethane	55.4	2.5	50	0	111	32	164			
Acetone	811	50	1000	0	81	10	188			
1,1-Dichloroethene	43.6	2.5	50	0	87	62	133			
Tertiary Butyl Alcohol (TBA)	322	25	500	0	64	44	155			
Dichloromethane	41.2	10	50	0	82	69	130			
Freon-113	33.1	2.5	50	0	66	56	144			
trans-1,2-Dichloroethene	42.1	2.5	50	0	84	67	131			
Methyl tert-butyl ether (MTBE)	39.7	1.3	50	0	79	56	140			
1,1-Dichloroethane	42.9	2.5	50	0	86	67	130			
2-Butanone (MEK)	851	50	1000	0	85	26	183			
Di-isopropyl Ether (DIPE)	41.3	2.5	50	0	83	59	138			
cis-1,2-Dichloroethene	43.3	2.5	50	0	87	70	130			
Bromochloromethane	40.6	2.5	50	0	81	70	134			
Chloroform	43.5	2.5	50	0	87	69	130			
Ethyl Tertiary Butyl Ether (ETBE)	41.1	2.5	50	0	82	62	135			
2,2-Dichloropropane	40.4	2.5	50	0	81	44	149			
1,2-Dichloroethane	47	2.5	50	0	94	64	139			
1,1,1-Trichloroethane	46.1	2.5	50	0	92	65	139			
1,1-Dichloropropene	44.2	2.5	50	0	88	68	134			
Carbon tetrachloride	46.2	2.5	50	0	92	56	146			
Benzene	41.5	1.3	50	0	83	67	134			
Tertiary Amyl Methyl Ether (TAME)	40.7	2.5	50	0	81	64	135			
Dibromomethane	44.6	2.5	50	0	89	70	132			
1,2-Dichloropropane	43.2	2.5	50	0	86	69	134			
Trichloroethene	41	2.5	50	0	82	68	138			
Bromodichloromethane	46.4	2.5	50	0	93	58	147			
4-Methyl-2-pentanone (MIBK)	99.4	13	125	0	80	49	140			
cis-1,3-Dichloropropene	40.1	2.5	50	0	80	61	130			
trans-1,3-Dichloropropene	44.8	2.5	50	0	90	62	131			
1,1,2-Trichloroethane	43	2.5	50	0	86	70	131			
Toluene	41.8	1.3	50	0	84	38	130			
1,3-Dichloropropane	38.2	2.5	50	0	76	70	130			
2-Hexanone	373	25	500	0	75	25	157			
Dibromochloromethane	37.7	2.5	50	0	75	49	147			
1,2-Dibromoethane (EDB)	76.9	5	100	0	77	70	131			
Tetrachloroethene	39.8	2.5	50	0	80	63	134			
1,1,1,2-Tetrachloroethane	46.3	2.5	50	0	93	70	133			
Chlorobenzene	42.9	2.5	50	0	86	70	130			
Ethylbenzene	44.3	1.3	50	0	89	70	130			
m,p-Xylene	43.2	1.3	50	0	86	65	139			
Bromoform	35.7	2.5	50	0	71	60	144			
Styrene	44.2	2.5	50	0	88	53	144			
o-Xylene	44.8	1.3	50	0	90	69	130			
1,1,2,2-Tetrachloroethane	41.9	2.5	50	0	84	67	134			
1,2,3-Trichloropropane	79.5	10	100	0	79	70	130			
Isopropylbenzene	51.9	2.5	50	0	104	64	136			
Bromobenzene	47.7	2.5	50	0	95	69	130			
n-Propylbenzene	43.7	2.5	50	0	87	65	132			
4-Chlorotoluene	49.6	2.5	50	0	99	69	132			
2-Chlorotoluene	48.9	2.5	50	0	98	69	130			
1,3,5-Trimethylbenzene	44.8	2.5	50	0	90	64	135			
tert-Butylbenzene	44.2	2.5	50	0	88	63	139			
1,2,4-Trimethylbenzene	50.8	2.5	50	0	102	62	135			
sec-Butylbenzene	50.1	2.5	50	0	100	68	132			
1,3-Dichlorobenzene	46.2	2.5	50	0	92	70	130			
1,4-Dichlorobenzene	46	2.5	50	0	92	70	130			
4-Isopropyltoluene	50.1	2.5	50	0	100	40	161			
1,2-Dichlorobenzene	45.3	2.5	50	0	91	70	130			
n-Butylbenzene	49.8	2.5	50	0	99.5	58	135			
1,2-Dibromo-3-chloropropane (DBCP)	161	15	250	0	64	63	131			

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QC Summary Report

Work Order: 14103103

1,2,4-Trichlorobenzene	39.3	10	50	0	79	57	134
Naphthalene	31.6	10	50	0	63	31	157
1,2,3-Trichlorobenzene	39.7	10	50	0	79	52	138
Xylenes, Total	88	1.3	100	0	88	70	130
Surr: 1,2-Dichloroethane-d4	55.2		50		110	70	130
Surr: Toluene-d8	47.9		50		96	70	130
Surr: 4-Bromofluorobenzene	52.8		50		106	70	130

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Date: 11-Nov-14

QC Summary Report

Work Order: 14103103

Sample Matrix Spike Duplicate Type **MSD** Test Code: **EPA Method SW8260B**

File ID: **C:\HPCHEM\MS10\DATA\141106\14110649.D** Batch ID: **MS10W1106C** Analysis Date: **11/07/2014 01:31**

Sample ID: **14103103-01AMSD** Units : **µg/L** Run ID: **MSD_10_141106B** Prep Date: **11/07/2014 01:31**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	66.8	2.5	50	0	134	12	150	54.97	19.5(38)	
Chloromethane	51.2	10	50	0	102	26	146	46.2	10.3(31)	
Vinyl chloride	53.9	2.5	50	0	108	46	142	48.51	10.6(25)	
Chloroethane	47.6	2.5	50	0	95	25	164	44.27	7.2(40)	
Bromomethane	38.9	10	50	0	78	10	172	28	32.7(40)	
Trichlorofluoromethane	61.8	2.5	50	0	124	32	164	55.38	10.9(34)	
Acetone	866	50	1000	0	87	10	188	810.6	6.6(39)	
1,1-Dichloroethene	47.9	2.5	50	0	96	62	133	43.64	9.3(35)	
Tertiary Butyl Alcohol (TBA)	368	25	500	0	74	44	155	322	13.5(33)	
Dichloromethane	36.8	10	50	0	74	69	130	41.2	11.3(26)	
Freon-113	38.6	2.5	50	0	77	56	144	33.13	15.2(40)	
trans-1,2-Dichloroethene	47.1	2.5	50	0	94	67	131	42.07	11.2(27)	
Methyl tert-butyl ether (MTBE)	43.5	1.3	50	0	87	56	140	39.65	9.2(40)	
1,1-Dichloroethane	46.7	2.5	50	0	93	67	130	42.92	8.3(20)	
2-Butanone (MEK)	921	50	1000	0	92	26	183	851	7.9(22)	
Di-isopropyl Ether (DIPE)	44.7	2.5	50	0	89	59	138	41.26	8.0(20)	
cis-1,2-Dichloroethene	47.1	2.5	50	0	94	70	130	43.29	8.5(20)	
Bromochloromethane	44.7	2.5	50	0	89	70	134	40.61	9.5(20)	
Chloroform	47.5	2.5	50	0	95	69	130	43.54	8.6(22)	
Ethyl Tertiary Butyl Ether (ETBE)	45	2.5	50	0	90	62	135	41.1	9.1(40)	
2,2-Dichloropropane	43.2	2.5	50	0	86	44	149	40.41	6.6(23)	
1,2-Dichloroethane	50.8	2.5	50	0	102	64	139	47.03	7.7(20)	
1,1,1-Trichloroethane	50	2.5	50	0	99.9	65	139	46.12	8.0(20)	
1,1-Dichloropropene	48.2	2.5	50	0	96	68	134	44.15	8.8(20)	
Carbon tetrachloride	50.5	2.5	50	0	101	56	146	46.23	8.8(21)	
Benzene	45.7	1.3	50	0	91	67	134	41.53	9.5(21)	
Tertiary Amyl Methyl Ether (TAME)	45.1	2.5	50	0	90	64	135	40.66	10.3(31)	
Dibromomethane	47.8	2.5	50	0	96	70	132	44.61	6.8(20)	
1,2-Dichloropropane	45.5	2.5	50	0	91	69	134	43.16	5.3(20)	
Trichloroethene	45	2.5	50	0	90	68	138	40.96	9.4(20)	
Bromodichloromethane	50.3	2.5	50	0	101	58	147	46.38	8.1(20)	
4-Methyl-2-pentanone (MIBK)	105	13	125	0	84	49	140	99.43	5.3(24)	
cis-1,3-Dichloropropene	43.6	2.5	50	0	87	61	130	40.14	8.3(20)	
trans-1,3-Dichloropropene	47.9	2.5	50	0	96	62	131	44.75	6.8(21)	
1,1,2-Trichloroethane	46.9	2.5	50	0	94	70	131	42.99	8.8(20)	
Toluene	44.9	1.3	50	0	90	38	130	41.76	7.3(20)	
1,3-Dichloropropane	41.2	2.5	50	0	82	70	130	38.16	7.7(20)	
2-Hexanone	394	25	500	0	79	25	157	373.4	5.5(23)	
Dibromochloromethane	41.2	2.5	50	0	82	49	147	37.66	9.1(20)	
1,2-Dibromoethane (EDB)	82.4	5	100	0	82	70	131	76.9	7.0(20)	
Tetrachloroethene	43.7	2.5	50	0	87	63	134	39.75	9.4(20)	
1,1,1,2-Tetrachloroethane	50.7	2.5	50	0	101	70	133	46.25	9.2(20)	
Chlorobenzene	46.2	2.5	50	0	92	70	130	42.93	7.4(20)	
Ethylbenzene	48.2	1.3	50	0	96	70	130	44.34	8.4(20)	
m,p-Xylene	46.8	1.3	50	0	94	65	139	43.22	7.9(20)	
Bromoform	38.6	2.5	50	0	77	60	144	35.68	7.8(21)	
Styrene	48.8	2.5	50	0	98	53	144	44.18	9.8(31)	
o-Xylene	49	1.3	50	0	98	69	130	44.77	9.1(20)	
1,1,2,2-Tetrachloroethane	45.7	2.5	50	0	91	67	134	41.9	8.6(20)	
1,2,3-Trichloropropane	86.4	10	100	0	86	70	130	79.47	8.4(20)	
Isopropylbenzene	53.7	2.5	50	0	107	64	136	51.93	3.3(20)	
Bromobenzene	48.9	2.5	50	0	98	69	130	47.72	2.4(20)	
n-Propylbenzene	45.6	2.5	50	0	91	65	132	43.74	4.2(40)	
4-Chlorotoluene	51.5	2.5	50	0	103	69	132	49.56	3.9(20)	
2-Chlorotoluene	50.6	2.5	50	0	101	69	130	48.93	3.3(20)	
1,3,5-Trimethylbenzene	46.7	2.5	50	0	93	64	135	44.79	4.1(21)	
tert-Butylbenzene	46.1	2.5	50	0	92	63	139	44.15	4.4(20)	
1,2,4-Trimethylbenzene	52.9	2.5	50	0	106	62	135	50.8	4.0(24)	
sec-Butylbenzene	52.7	2.5	50	0	105	68	132	50.11	5.0(20)	
1,3-Dichlorobenzene	47.8	2.5	50	0	96	70	130	46.16	3.5(20)	
1,4-Dichlorobenzene	47.8	2.5	50	0	96	70	130	46.02	3.8(20)	
4-Isopropyltoluene	53	2.5	50	0	106	40	161	50.09	5.6(22)	
1,2-Dichlorobenzene	48.2	2.5	50	0	96	70	130	45.3	6.2(20)	
n-Butylbenzene	52.7	2.5	50	0	105	58	135	49.76	5.8(24)	
1,2-Dibromo-3-chloropropane (DBCP)	171	15	250	0	68	63	131	161	6.1(29)	

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QC Summary Report

Work Order: 14103103

1,2,4-Trichlorobenzene	41.9	10	50	0	84	57	134	39.34	6.4(30)
Naphthalene	34.3	10	50	0	69	31	157	31.62	8.0(40)
1,2,3-Trichlorobenzene	42.7	10	50	0	85	52	138	39.73	7.3(39)
Xylenes, Total	95.8	1.3	100	0	96	70	130	87.99	8.5(22)
Surr: 1,2-Dichloroethane-d4	56.2		50		112	70	130		
Surr: Toluene-d8	47.7		50		95	70	130		
Surr: 4-Bromofluorobenzene	50.5		50		101	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.

L51 = Analyte recovery was above acceptance limits for the LCS, but was acceptable in the MS/MSD.

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Date: *10-Nov-14*

QC Summary Report

Work Order: 14103103

Method Blank Type **MBLK** Test Code: **EPA Method SW8260B**

File ID: **14110624.D** Batch ID: **MS15W1106A** Analysis Date: **11/06/2014 18:00**

Sample ID: **MBLK MS15W1106A** Units : **µg/L** Run ID: **MSD_15_141106A** Prep Date: **11/06/2014 18:00**

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	11.5		10	115	70	130
Surr: Toluene-d8	8.61		10	86	70	130
Surr: 4-Bromofluorobenzene	11.2		10	112	70	130

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Date: 10-Nov-14

QC Summary Report

Work Order: 14103103

Laboratory Control Spike Type LCS Test Code: EPA Method SW8260B

File ID: 14110622.D Batch ID: MS15W1106A Analysis Date: 11/06/2014 17:12

Sample ID: LCS MS15W1106A Units : µg/L Run ID: MSD_15_141106A Prep Date: 11/06/2014 17:12

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	16.7	1	10		167	32	145			L51
Chloromethane	9.9	2	10		99	40	145			
Vinyl chloride	12.2	1	10		122	80	120			L51
Chloroethane	11.4	1	10		114	38	156			
Bromomethane	6.23	2	10		62	14	162			
Trichlorofluoromethane	15.1	1	10		151	46	154			
Acetone	336	10	200		168	22	188			
1,1-Dichloroethene	11.8	1	10		118	80	120			
Tertiary Butyl Alcohol (TBA)	157	10	100		157	48	148			L1
Dichloromethane	12.2	2	10		122	69	130			
Freon-113	12.8	1	10		128	70	136			
trans-1,2-Dichloroethene	12	1	10		120	70	130			
Methyl tert-butyl ether (MTBE)	13.6	0.5	10		136	63	137			
1,1-Dichloroethane	13.4	1	10		134	70	130			L1
2-Butanone (MEK)	294	10	200		147	26	183			
Di-isopropyl Ether (DIPE)	14.2	1	10		142	69	133			L1
cis-1,2-Dichloroethene	11.8	1	10		118	70	130			
Bromochloromethane	11.2	1	10		112	70	133			
Chloroform	12.3	1	10		123	80	120			L51
Ethyl Tertiary Butyl Ether (ETBE)	14	1	10		140	66	135			L1
2,2-Dichloropropane	16.6	1	10		166	70	149			L51
1,2-Dichloroethane	13.6	1	10		136	70	133			L1
1,1,1-Trichloroethane	13.5	1	10		135	70	135			
1,1-Dichloropropene	13.1	1	10		131	70	130			L51
Carbon tetrachloride	13.4	1	10		134	63	143			
Benzene	12.1	0.5	10		121	70	130			
Tertiary Amyl Methyl Ether (TAME)	13.1	1	10		131	70	133			
Dibromomethane	12.1	1	10		121	70	130			
1,2-Dichloropropane	12.8	1	10		128	80	120			L1
Trichloroethene	10.8	1	10		108	68	138			
Bromodichloromethane	13.9	1	10		139	58	147			
4-Methyl-2-pentanone (MIBK)	37	2.5	25		148	59	140			L1
cis-1,3-Dichloropropene	13.6	1	10		136	70	130			L51
trans-1,3-Dichloropropene	13.9	1	10		139	70	131			L51
1,1,2-Trichloroethane	12.1	1	10		121	70	130			
Toluene	8.95	0.5	10		90	80	120			
1,3-Dichloropropane	9.57	1	10		96	70	130			
2-Hexanone	111	5	100		111	48	157			
Dibromochloromethane	10.7	1	10		107	49	147			
1,2-Dibromoethane (EDB)	18.3	2	20		92	70	131			
Tetrachloroethene	7.88	1	10		79	70	130			
Chlorobenzene	8.97	1	10		90	70	130			
Ethylbenzene	9.54	0.5	10		95	80	120			
m,p-Xylene	9.14	0.5	10		91	65	139			
Bromoform	9.25	1	10		93	60	144			
Styrene	9	1	10		90	55	144			
o-Xylene	8.99	0.5	10		90	70	130			
1,1,2,2-Tetrachloroethane	9.71	1	10		97	70	130			
1,2,3-Trichloropropane	18.4	2	20		92	70	130			
Isopropylbenzene	10.1	1	10		101	69	136			
Bromobenzene	8.67	1	10		87	70	130			
n-Propylbenzene	9.83	1	10		98	70	132			
4-Chlorotoluene	9.16	1	10		92	70	132			
2-Chlorotoluene	9.44	1	10		94	70	130			
1,3,5-Trimethylbenzene	10.6	1	10		106	70	134			
tert-Butylbenzene	9.64	1	10		96	63	139			
1,2,4-Trimethylbenzene	10.2	1	10		102	70	133			
sec-Butylbenzene	9.22	1	10		92	70	132			
1,3-Dichlorobenzene	8.63	1	10		86	70	130			
1,4-Dichlorobenzene	8.49	1	10		85	70	130			
4-Isopropyltoluene	9.8	1	10		98	40	161			
1,2-Dichlorobenzene	8.48	1	10		85	70	130			
n-Butylbenzene	10.2	1	10		102	69	134			

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1,2-Dibromo-3-chloropropane (DBCP)	55.7	3	50	111	67	130
1,2,4-Trichlorobenzene	7.33	2	10	73	62	131
Naphthalene	8.31	2	10	83	39	149
1,2,3-Trichlorobenzene	7.33	2	10	73	54	135
Xylenes, Total	18.1	0.5	20	91	70	130
Surr: 1,2-Dichloroethane-d4	11.4		10	114	70	130
Surr: Toluene-d8	8.37		10	84	70	130
Surr: 4-Bromofluorobenzene	10.9		10	109	70	130

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QC Summary Report

Work Order: 14103103

Sample Matrix Spike Type **MS** Test Code: **EPA Method SW8260B**

File ID: **14110645.D** Batch ID: **MS15W1106A** Analysis Date: **11/07/2014 02:24**

Sample ID: **14103103-21AMS** Units : **µg/L** Run ID: **MSD_15_141106A** Prep Date: **11/07/2014 02:24**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	60.9	2.5	50	0	122	12	150			
Chloromethane	57.4	10	50	0	115	26	146			
Vinyl chloride	57.4	2.5	50	0	115	46	142			
Chloroethane	56.6	2.5	50	0	113	25	164			
Bromomethane	4.78	10	50	0	9.6	10	172			
Trichlorofluoromethane	57.7	2.5	50	0	115	32	164			
Acetone	1540	50	1000	0	154	10	188			
1,1-Dichloroethene	0.09	2.5	50	0	0.18	62	133			M2
Tertiary Butyl Alcohol (TBA)	1410	25	500	0	283	44	155			M57
Dichloromethane	63.3	10	50	0	127	69	130			
Freon-113	41.2	2.5	50	0	82	56	144			
trans-1,2-Dichloroethene	58	2.5	50	0	116	67	131			
Methyl tert-butyl ether (MTBE)	73.8	1.3	50	0.64	146	56	140			M2
1,1-Dichloroethane	69.7	2.5	50	0	139	67	130			M55
2-Butanone (MEK)	1400	50	1000	0	140	26	183			
Di-isopropyl Ether (DIPE)	77.3	2.5	50	0	155	59	138			M55
cis-1,2-Dichloroethene	61.5	2.5	50	0	123	70	130			
Bromochloromethane	58.5	2.5	50	0	117	70	134			
Chloroform	63	2.5	50	0	126	69	130			
Ethyl Tertiary Butyl Ether (ETBE)	75.5	2.5	50	0	151	62	135			M55
2,2-Dichloropropane	53.4	2.5	50	0	107	44	149			
1,2-Dichloroethane	71.4	2.5	50	0.53	142	64	139			M55
1,1,1-Trichloroethane	60.9	2.5	50	0	122	65	139			
1,1-Dichloropropene	53.5	2.5	50	0	107	68	134			
Carbon tetrachloride	53.3	2.5	50	0	107	56	146			
Benzene	60.1	1.3	50	0	120	67	134			
Tertiary Amyl Methyl Ether (TAME)	67.3	2.5	50	0	135	64	135			
Dibromomethane	63.2	2.5	50	0	126	70	132			
1,2-Dichloropropane	68	2.5	50	0	136	69	134			M55
Trichloroethene	48.6	2.5	50	0	97	68	138			
Bromodichloromethane	72	2.5	50	0	144	58	147			
4-Methyl-2-pentanone (MIBK)	192	13	125	0	153	49	140			M55
cis-1,3-Dichloropropene	63.4	2.5	50	0	127	61	130			
trans-1,3-Dichloropropene	65.2	2.5	50	0	130	62	131			
1,1,2-Trichloroethane	63.7	2.5	50	0	127	70	131			
Toluene	42.4	1.3	50	0	85	38	130			
1,3-Dichloropropane	51.2	2.5	50	0	102	70	130			
2-Hexanone	364	25	500	0	73	25	157			
Dibromochloromethane	56.9	2.5	50	0	114	49	147			
1,2-Dibromoethane (EDB)	96.7	5	100	0	97	70	131			
Tetrachloroethene	30.8	2.5	50	0	62	63	134			M2
1,1,1,2-Tetrachloroethane	48.8	2.5	50	0	98	70	133			
Chlorobenzene	42	2.5	50	0	84	70	130			
Ethylbenzene	40.2	1.3	50	0	80	70	130			
m,p-Xylene	39.4	1.3	50	0	79	65	139			
Bromoform	49.7	2.5	50	0	99	60	144			
Styrene	41.8	2.5	50	0	84	53	144			
o-Xylene	41	1.3	50	0	82	69	130			
1,1,2,2-Tetrachloroethane	51.1	2.5	50	0	102	67	134			
1,2,3-Trichloropropane	95.2	10	100	0	95	70	130			
Isopropylbenzene	41.6	2.5	50	0	83	64	136			
Bromobenzene	41.9	2.5	50	0	84	69	130			
n-Propylbenzene	37.8	2.5	50	0	76	65	132			
4-Chlorotoluene	40.1	2.5	50	0	80	69	132			
2-Chlorotoluene	41.4	2.5	50	0	83	69	130			
1,3,5-Trimethylbenzene	43.2	2.5	50	0	86	64	135			
tert-Butylbenzene	37.6	2.5	50	0	75	63	139			
1,2,4-Trimethylbenzene	42.9	2.5	50	0	86	62	135			
sec-Butylbenzene	32.9	2.5	50	0	66	68	132			M2
1,3-Dichlorobenzene	38.4	2.5	50	0	77	70	130			
1,4-Dichlorobenzene	38	2.5	50	0	76	70	130			
4-Isopropyltoluene	35.7	2.5	50	0	71	40	161			
1,2-Dichlorobenzene	39.5	2.5	50	0	79	70	130			

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n-Butylbenzene	34.5	2.5	50	0	69	58	135
1,2-Dibromo-3-chloropropane (DBCP)	304	15	250	0	122	63	131
1,2,4-Trichlorobenzene	30.7	10	50	0	61	57	134
Naphthalene	42.4	10	50	0	85	31	157
1,2,3-Trichlorobenzene	30.7	10	50	0	61	52	138
Xylenes, Total	80.4	1.3	100	0	80	70	130
Surr: 1,2-Dichloroethane-d4	53		50		106	70	130
Surr: Toluene-d8	41.8		50		84	70	130
Surr: 4-Bromofluorobenzene	56.4		50		113	70	130

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Date: *10-Nov-14*

QC Summary Report

Work Order: 14103103

Sample Matrix Spike Duplicate Type **MSD** Test Code: **EPA Method SW8260B**

File ID: **14110646.D** Batch ID: **MS15W1106A** Analysis Date: **11/07/2014 02:48**

Sample ID: **14103103-21AMSD** Units : **µg/L** Run ID: **MSD_15_141106A** Prep Date: **11/07/2014 02:48**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	56.7	2.5	50	0	113	12	150	60.86	7.0(38)	
Chloromethane	44.7	10	50	0	89	26	146	57.38	24.9(31)	
Vinyl chloride	45.1	2.5	50	0	90	46	142	57.37	23.9(25)	
Chloroethane	41.4	2.5	50	0	83	25	164	56.55	31.0(40)	
Bromomethane	4.36	10	50	0	8.7	10	172	4.78	9.2(40)	M2
Trichlorofluoromethane	50.9	2.5	50	0	102	32	164	57.65	12.5(34)	
Acetone	1100	50	1000	0	110	10	188	1543	33.4(39)	
1,1-Dichloroethene	43.9	2.5	50	0	88	62	133	0.09	199.0(35)	R58
Tertiary Butyl Alcohol (TBA)	592	25	500	0	118	44	155	1415	82.0(33)	R58
Dichloromethane	46.5	10	50	0	93	69	130	63.34	30.7(26)	R5
Freon-113	41.3	2.5	50	0	83	56	144	41.24	0.0(40)	
trans-1,2-Dichloroethene	45.9	2.5	50	0	92	67	131	57.97	23.2(27)	
Methyl tert-butyl ether (MTBE)	52.4	1.3	50	0.64	104	56	140	73.79	33.8(40)	
1,1-Dichloroethane	51.6	2.5	50	0	103	67	130	69.74	29.9(20)	R58
2-Butanone (MEK)	1010	50	1000	0	101	26	183	1398	32.0(22)	R5
Di-isopropyl Ether (DIPE)	55.3	2.5	50	0	111	59	138	77.29	33.1(20)	R58
cis-1,2-Dichloroethene	46	2.5	50	0	92	70	130	61.53	28.8(20)	R5
Bromochloromethane	42.3	2.5	50	0	85	70	134	58.5	32.1(20)	R5
Chloroform	47	2.5	50	0	94	69	130	63.03	29.1(22)	R5
Ethyl Tertiary Butyl Ether (ETBE)	53.6	2.5	50	0	107	62	135	75.5	33.9(40)	
2,2-Dichloropropane	41	2.5	50	0	82	44	149	53.4	26.2(23)	R5
1,2-Dichloroethane	51.9	2.5	50	0.53	103	64	139	71.43	31.6(20)	R58
1,1,1-Trichloroethane	48.8	2.5	50	0	98	65	139	60.91	22.0(20)	R5
1,1-Dichloropropene	46.2	2.5	50	0	92	68	134	53.46	14.5(20)	
Carbon tetrachloride	46.7	2.5	50	0	93	56	146	53.26	13.2(21)	
Benzene	45.9	1.3	50	0	92	67	134	60.13	26.9(21)	R5
Tertiary Amyl Methyl Ether (TAME)	48	2.5	50	0	96	64	135	67.29	33.5(31)	R5
Dibromomethane	46.7	2.5	50	0	93	70	132	63.21	30.1(20)	R5
1,2-Dichloropropane	49.8	2.5	50	0	99.6	69	134	68.04	31.0(20)	R58
Trichloroethene	39.3	2.5	50	0	79	68	138	48.6	21.3(20)	R5
Bromodichloromethane	52.7	2.5	50	0	105	58	147	72.04	31.1(20)	R5
4-Methyl-2-pentanone (MIBK)	134	13	125	0	107	49	140	191.6	35.5(24)	R58
cis-1,3-Dichloropropene	46.8	2.5	50	0	94	61	130	63.38	30.2(20)	R5
trans-1,3-Dichloropropene	48.6	2.5	50	0	97	62	131	65.22	29.3(21)	R5
1,1,2-Trichloroethane	46.2	2.5	50	0	92	70	131	63.7	31.9(20)	R5
Toluene	33.6	1.3	50	0	67	38	130	42.36	23.2(20)	R5
1,3-Dichloropropane	36.9	2.5	50	0	74	70	130	51.16	32.4(20)	R5
2-Hexanone	256	25	500	0	51	25	157	363.7	34.9(23)	R5
Dibromochloromethane	41.2	2.5	50	0	82	49	147	56.85	31.9(20)	R5
1,2-Dibromoethane (EDB)	70.1	5	100	0	70	70	131	96.65	31.9(20)	R5
Tetrachloroethene	27.8	2.5	50	0	56	63	134	30.79	10.4(20)	M2
1,1,1,2-Tetrachloroethane	35.9	2.5	50	0	72	70	133	48.83	30.5(20)	R5
Chlorobenzene	32.5	2.5	50	0	65	70	130	41.95	25.3(20)	M2 R58
Ethylbenzene	33.7	1.3	50	0	67	70	130	40.21	17.6(20)	M2
m,p-Xylene	32.6	1.3	50	0	65	65	139	39.37	18.8(20)	
Bromoform	35.7	2.5	50	0	71	60	144	49.72	32.9(21)	R5
Styrene	32.5	2.5	50	0	65	53	144	41.81	25.2(31)	
o-Xylene	32.7	1.3	50	0	65	69	130	41.03	22.6(20)	M2 R58
1,1,2,2-Tetrachloroethane	36.3	2.5	50	0	73	67	134	51.07	33.9(20)	R5
1,2,3-Trichloropropane	69.8	10	100	0	70	70	130	95.22	30.8(20)	R5
Isopropylbenzene	36.6	2.5	50	0	73	64	136	41.55	12.8(20)	
Bromobenzene	32.5	2.5	50	0	65	69	130	41.91	25.3(20)	M2 R58
n-Propylbenzene	34.8	2.5	50	0	70	65	132	37.81	8.3(40)	
4-Chlorotoluene	33.5	2.5	50	0	67	69	132	40.07	17.8(20)	M2
2-Chlorotoluene	34.6	2.5	50	0	69	69	130	41.35	17.9(20)	
1,3,5-Trimethylbenzene	37.6	2.5	50	0	75	64	135	43.24	13.9(21)	
tert-Butylbenzene	34.6	2.5	50	0	69	63	139	37.64	8.5(20)	
1,2,4-Trimethylbenzene	36.8	2.5	50	0	74	62	135	42.91	15.4(24)	

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *10-Nov-14*

QC Summary Report

Work Order: 14103103

sec-Butylbenzene	31.7	2.5	50	0	63	68	132	32.89	3.8(20)	M2
1,3-Dichlorobenzene	31.4	2.5	50	0	63	70	130	38.36	19.9(20)	M2
1,4-Dichlorobenzene	30.9	2.5	50	0	62	70	130	38.01	20.6(20)	M2 R58
4-Isopropyltoluene	34.1	2.5	50	0	68	40	161	35.73	4.7(22)	
1,2-Dichlorobenzene	31.1	2.5	50	0	62	70	130	39.48	23.6(20)	M2 R58
n-Butylbenzene	34.6	2.5	50	0	69	58	135	34.49	0.4(24)	
1,2-Dibromo-3-chloropropane (DBCP)	218	15	250	0	87	63	131	303.8	33.1(29)	R5
1,2,4-Trichlorobenzene	26.6	10	50	0	53	57	134	30.7	14.4(30)	M2
Naphthalene	32.8	10	50	0	66	31	157	42.35	25.3(40)	
1,2,3-Trichlorobenzene	26.6	10	50	0	53	52	138	30.7	14.4(39)	
Xylenes, Total	65.3	1.3	100	0	65	70	130	80.4	20.7(22)	M2
Surr: 1,2-Dichloroethane-d4	52.4		50		105	70	130			
Surr: Toluene-d8	42.6		50		85	70	130			
Surr: 4-Bromofluorobenzene	56.3		50		113	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.

L1 = The associated blank spike recovery was above 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.

M55 = Matrix spike recovery was above laboratory acceptance limits.

M57 = Matrix spike recovery was below laboratory acceptance limits.

R5 = MS/MSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R58 = MS/MSD RPD exceeded the laboratory control limit.

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 : CHHL14103103

Report Due By : 5:00 PM On : 11-Nov-14

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 : Nathan Vail, Spencer Doolittle

PO :

Client's COC # : none Job : DFSP Norwalk

Cooler Temp	Samples Received	Date Printed
3 °C	31-Oct-14	31-Oct-14

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
CHH14103103-01A	GMW-SF-7	AQ	10/29/14 11:18	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103103-02A	GMW-O-5	AQ	10/29/14 11:24	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103103-03A	GMW-3	AQ	10/29/14 11:55	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103103-04A	GMW-O-9	AQ	10/29/14 12:02	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103103-05A	GMW-O-2	AQ	10/29/14 12:36	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103103-06A	MW-12	AQ	10/29/14 13:19	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103103-07A	GMW-8	AQ	10/29/14 13:24	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103103-08A	GMW-38	AQ	10/29/14 13:55	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						

Comments: Security seals intact. Frozen ice. Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Total Xylenes. :

	Signature	Print Name	Company	Date/Time
Logged in by:	Morgan Lowery	Morgan Lowery	Alpha Analytical, Inc.	10/31/14 1213

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 : CHHL14103103

Report Due By : 5:00 PM On : 11-Nov-14

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 : Nathan Vail, Spencer Doolittle

PO :

Client's COC # : none Job : DFSP Norwalk

Cooler Temp	Samples Received	Date Printed
3 °C	31-Oct-14	31-Oct-14

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
CHH14103103-09A	GMW-O-19	AQ	10/29/14 14:14	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103103-10A	GMW-O-16	AQ	10/29/14 14:27	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103103-11A	GMW-O-24	AQ	10/29/14 08:15	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103103-12A	PW-3	AQ	10/29/14 08:16	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103103-13A	GMW-O-17	AQ	10/29/14 08:56	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103103-14A	HL-2	AQ	10/29/14 09:01	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103103-15A	GMW-O-1	AQ	10/29/14 09:32	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103103-16A	GMW-13	AQ	10/29/14 09:44	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						

Comments: Security seals intact. Frozen ice. Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Total Xylenes. :

	Signature	Print Name	Company	Date/Time
Logged in by:	Morgan Lowery	Morgan Lowery	Alpha Analytical, Inc.	10/31/14 1213

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 : CHHL14103103

Report Due By : 5:00 PM On : 11-Nov-14

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 : Nathan Vail, Spencer Doolittle

PO :

Client's COC # : none Job : DFSP Norwalk

Cooler Temp	Samples Received	Date Printed
3 °C	31-Oct-14	31-Oct-14

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
CHH14103103-17A	GMW-O-3	AQ	10/29/14 10:05	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103103-18A	GMW-37	AQ	10/29/14 10:12	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103103-19A	GMW-SF-8	AQ	10/29/14 10:41	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103103-20A	GMW-O-4	AQ	10/29/14 10:52	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103103-21A	MW-6	AQ	10/29/14 14:53	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103103-22A	MW-7	AQ	10/29/14 15:02	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103103-23A	TB-2	AQ	10/29/14 07:30	2	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						Reno Trip Blank 9/16/14
CHH14103103-24A	EB-3	AQ	10/29/14 14:30	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						

Comments: Security seals intact. Frozen ice. Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Total Xylenes. :

	Signature	Print Name	Company	Date/Time
Logged in by:	Morgan Lowery	Morgan Lowery	Alpha Analytical, Inc.	10/31/14 1213

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 : CHHL14103103

Report Due By : 5:00 PM On : 11-Nov-14

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 : Nathan Vail, Spencer Doolittle

PO :

Client's COC # : none Job : DFSP Norwalk

Cooler Temp	Samples Received	Date Printed
3 °C	31-Oct-14	31-Oct-14

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
CHH14103103-25A	EB-4	AQ	10/29/14 12:50	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14103103-26A	DUP-1	AQ	10/29/14 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. Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Total Xylenes. :

	Signature	Print Name	Company	Date/Time
Logged in by:	Morgan Lowery	Morgan Lowery	Alpha Analytical, Inc.	

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be retumed 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

CHAIN OF CUSTODY

CLIENT: Kinder Morgan

SITE: DFSP Norwalk

15306 Norwalk Blvd, Norwalk

LAB: Alpha Analytical COC 1 of 3

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

CHH14103103

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-SF-7	10-29-14	1118	AQ	6	HCl	Voa	X	X				01A
GMW-0-5		1124					X	X				02A
GMW-3		1155					X	X				03A
GMW-0-9		1202					X	X				04A
GMW-0-2		1232					X	X				05A
MW-12		1319					X	X				06A
GMW-8		1324					X	X				07A
GMW-38		1355					X	X				08A
GMW-0-19		1414					X	X				09A
GMW-0-16		1427					X	X				10A

SAMPLING COMPLETED: DATE 10-29-14 TIME 1530

SAMPLING PERFORMED BY: Nathan Vail, Spencer Doolittle

RESULTS NEEDED NO LATER THAN: Standard

RELEASED BY	TIME	RECEIVED BY	DATE	TIME
	1620	Nicole	10/29/14	1620
Nicole	1706		10/30/14	1500
	1500	Morgan Lowery Alpha	10/31/14	1149

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

CHAIN OF CUSTODY

CLIENT: Kinder Morgan

SITE: DFSP Norwalk
15306 Norwalk Blvd, Norwalk

CONDUCT ANALYSIS TO DETECT

LAB: Alpha Analytical COC 2 of 3

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

CHH14103103

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-0-24	10-29-14	0815	AQ	6	HCL	Voa	X	X				11A
PW-3		0816					X	X				12A
GMW-0-17		0856					X	X				13A
HL-2		0901					X	X				14A
GMW-0-1		0932					X	X				15A
GMW-13		0944					X	X				16A
GMW-0-3		1005					X	X				17A
GMW-37		1012					X	X				18A
GMW-SF-8		1041					X	X				19A
GMW-0-4		1052					X	X				20A

SAMPLING COMPLETED	DATE	TIME
	10-29-14	1530

SAMPLING PERFORMED BY: Nathan Vail, Spencer Doolittle

RESULTS NEEDED NO LATER THAN: Standard

RELEASED BY	TIME	RECEIVED BY	DATE	TIME
	1620	NICOLE	10/29/14	1620
NICOLE	1500		10/30/14	1500
	1500	Morgan Lowery Alpha	10/31/14	1149

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

CHAIN OF CUSTODY

CLIENT Kinder Morgan

SITE DFSP Norwalk

15306 Norwalk Blvd, Norwalk

LAB Alpha Analytical COC 3 of 3

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

CHH14103103

SAMPLE I.D.	DATE	TIME	MATRIX AQ=Water	CONTAINERS #	Preservation	Type	CONDUCT ANALYSIS TO DETECT: TPHg, TPHd (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
MW-6	10-29-14	1453	AQ	6	HCL	Voa	X	X										21A
MW-7		1502		6			X	X										22A
TB-2		0730		2			X	X										23A
EB-3		1430		6			X	X										24A
EB-4		1250		6			X	X										25A
DUP-1		—		6			X	X										26A

SAMPLING COMPLETED	DATE	TIME
	10-29-14	1530

SAMPLING PERFORMED BY Nathan Vail, Spencer Doolittle

RESULTS NEEDED NO LATER THAN Standard

RELEASED BY	TIME	RECEIVED BY	DATE	TIME
	1620	Nicole	10/29/14	1620
Nicole	1500		10/30/14	1500
	1500	Morgan Lowery	10/31/14	1149

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 : 11/01/14

Job: 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-28**						
Lab ID :	CHH14110306-02A	TPH-E (DRO)	0.17		0.050 mg/L	11/05/14 10:33	11/05/14 15:54
Date Sampled	10/31/14 07:58	Surr: Nonane	101		(53-145) %REC	11/05/14 10:33	11/05/14 15:54
		TPH-P (GRO)	0.33		0.10 mg/L	11/06/14	11/06/14
		Surr: 1,2-Dichloroethane-d4	110		(70-130) %REC	11/06/14	11/06/14
		Surr: Toluene-d8	86		(70-130) %REC	11/06/14	11/06/14
		Surr: 4-Bromofluorobenzene	111		(70-130) %REC	11/06/14	11/06/14
Client ID :	**MW-18 (MID)**						
Lab ID :	CHH14110306-03A	TPH-E (DRO)	0.13		0.050 mg/L	11/05/14 10:33	11/05/14 16:19
Date Sampled	10/31/14 08:54	Surr: Nonane	100		(53-145) %REC	11/05/14 10:33	11/05/14 16:19
		TPH-P (GRO)	ND	O	0.20 mg/L	11/06/14	11/06/14
		Surr: 1,2-Dichloroethane-d4	106		(70-130) %REC	11/06/14	11/06/14
		Surr: Toluene-d8	87		(70-130) %REC	11/06/14	11/06/14
		Surr: 4-Bromofluorobenzene	112		(70-130) %REC	11/06/14	11/06/14
Client ID :	**GMW-O-14**						
Lab ID :	CHH14110306-04A	TPH-E (DRO)	1.3		0.050 mg/L	11/05/14 10:33	11/05/14 16:45
Date Sampled	10/31/14 09:53	Surr: Nonane	0	S51	(53-145) %REC	11/05/14 10:33	11/05/14 16:45
		TPH-P (GRO)	19		5.0 mg/L	11/07/14	11/07/14
		Surr: 1,2-Dichloroethane-d4	107		(70-130) %REC	11/07/14	11/07/14
		Surr: Toluene-d8	86		(70-130) %REC	11/07/14	11/07/14
		Surr: 4-Bromofluorobenzene	113		(70-130) %REC	11/07/14	11/07/14
Client ID :	**MW-15**						
Lab ID :	CHH14110306-05A	TPH-E (DRO)	8.3		0.050 mg/L	11/05/14 10:33	11/05/14 17:10
Date Sampled	10/31/14 10:36	Surr: Nonane	139		(53-145) %REC	11/05/14 10:33	11/05/14 17:10
		TPH-P (GRO)	0.59		0.50 mg/L	11/07/14	11/07/14
		Surr: 1,2-Dichloroethane-d4	106		(70-130) %REC	11/07/14	11/07/14
		Surr: Toluene-d8	87		(70-130) %REC	11/07/14	11/07/14
		Surr: 4-Bromofluorobenzene	113		(70-130) %REC	11/07/14	11/07/14
Client ID :	**GMW-23**						
Lab ID :	CHH14110306-06A	TPH-E (DRO)	53		0.050 mg/L	11/05/14 10:33	11/05/14 17:36
Date Sampled	10/31/14 11:19	Surr: Nonane	0	S51	(53-145) %REC	11/05/14 10:33	11/05/14 17:36
		TPH-P (GRO)	34		10 mg/L	11/07/14	11/07/14
		Surr: 1,2-Dichloroethane-d4	103		(70-130) %REC	11/07/14	11/07/14
		Surr: Toluene-d8	87		(70-130) %REC	11/07/14	11/07/14
		Surr: 4-Bromofluorobenzene	114		(70-130) %REC	11/07/14	11/07/14
Client ID :	**MW-SF-16**						
Lab ID :	CHH14110306-07A	TPH-E (DRO)	110		0.050 mg/L	11/05/14 10:33	11/05/14 18:02
Date Sampled	10/31/14 12:03	Surr: Nonane	0	S51	(53-145) %REC	11/05/14 10:33	11/05/14 18:02
		TPH-P (GRO)	100		20 mg/L	11/12/14	11/12/14
		Surr: 1,2-Dichloroethane-d4	103		(70-130) %REC	11/12/14	11/12/14
		Surr: Toluene-d8	101		(70-130) %REC	11/12/14	11/12/14
		Surr: 4-Bromofluorobenzene	98		(70-130) %REC	11/12/14	11/12/14

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Client ID :	**MW-SF-5**						
Lab ID :	CHH14110306-08A	TPH-E (DRO)	1.8		0.050 mg/L	11/05/14 10:33	11/05/14 18:27
Date Sampled	10/31/14 12:51	Surr: Nonane	125		(53-145) %REC	11/05/14 10:33	11/05/14 18:27
		TPH-P (GRO)	ND	O	0.20 mg/L	11/07/14	11/07/14
		Surr: 1,2-Dichloroethane-d4	107		(70-130) %REC	11/07/14	11/07/14
		Surr: Toluene-d8	87		(70-130) %REC	11/07/14	11/07/14
		Surr: 4-Bromofluorobenzene	113		(70-130) %REC	11/07/14	11/07/14
Client ID :	**DUP-6**						
Lab ID :	CHH14110306-09A	TPH-E (DRO)	1.6		0.050 mg/L	11/05/14 10:33	11/05/14 18:53
Date Sampled	10/31/14 00:00	Surr: Nonane	120		(53-145) %REC	11/05/14 10:33	11/05/14 18:53
		TPH-P (GRO)	25		5.0 mg/L	11/07/14	11/07/14
		Surr: 1,2-Dichloroethane-d4	108		(70-130) %REC	11/07/14	11/07/14
		Surr: Toluene-d8	86		(70-130) %REC	11/07/14	11/07/14
		Surr: 4-Bromofluorobenzene	112		(70-130) %REC	11/07/14	11/07/14
Client ID :	**EB-7**						
Lab ID :	CHH14110306-10A	TPH-E (DRO)	ND		0.050 mg/L	11/05/14 10:33	11/05/14 20:36
Date Sampled	10/31/14 13:17	Surr: Nonane	109		(53-145) %REC	11/05/14 10:33	11/05/14 20:36
		TPH-P (GRO)	ND		0.050 mg/L	11/07/14	11/07/14
		Surr: 1,2-Dichloroethane-d4	103		(70-130) %REC	11/07/14	11/07/14
		Surr: Toluene-d8	87		(70-130) %REC	11/07/14	11/07/14
		Surr: 4-Bromofluorobenzene	111		(70-130) %REC	11/07/14	11/07/14

Diesel Range Organics (DRO) C13-C22

Gasoline Range Organics (GRO) C4-C13

O = Reporting Limits were increased due to sample foaming.

S51 = Surrogate recovery could not be determined due to the presence of co-eluting hydrocarbons.

ND = Not Detected

ACCREDITED DoD ELAP

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer

Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

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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.

11/13/14

Report Date

Alpha Analytical, Inc.

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ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14110306-01A
Client I.D. Number: TB-4

Sampled: 10/31/14 07:05
Received: 11/01/14
Extracted: 11/06/14
Analyzed: 11/06/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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	86	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	113	(70-130)	%REC

ND = Not Detected

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ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14110306-02A
Client I.D. Number: GMW-28

Sampled: 10/31/14 07:58
Received: 11/01/14
Extracted: 11/06/14
Analyzed: 11/06/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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)	38	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)	82	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)	26	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	23	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-Dichloropropene	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	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	4.0	µg/L
54	Isopropylbenzene	2.0	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	1.5	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	86	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	111	(70-130)	%REC

Some Reporting Limits were increased due to sample foaming.

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

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Job: DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14110306-03A
Client I.D. Number: MW-18 (MID)

Sampled: 10/31/14 08:54
Received: 11/01/14
Extracted: 11/06/14
Analyzed: 11/06/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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)	87	20	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)	ND	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)	5.1	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)	ND	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
45	Chlorobenzene	ND	2.0	µg/L
46	Ethylbenzene	ND	1.0	µg/L
47	m,p-Xylene	ND	1.0	µg/L
48	Bromoform	ND	2.0	µg/L
49	Xylenes, Total	ND	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	ND	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	106	(70-130)	%REC
73	Surr: Toluene-d8	87	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	112	(70-130)	%REC

Reporting Limits were increased due to sample foaming.

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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11/13/14
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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14110306-04A
Client I.D. Number: GMW-O-14

Sampled: 10/31/14 09:53
Received: 11/01/14
Extracted: 11/07/14
Analyzed: 11/07/14

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	50	µg/L
2	Chloromethane	ND	200	µg/L
3	Vinyl chloride	ND	50	µg/L
4	Chloroethane	ND	50	µg/L
5	Bromomethane	ND	200	µg/L
6	Trichlorofluoromethane	ND	50	µg/L
7	Acetone	ND	1,000	µg/L
8	1,1-Dichloroethene	ND	50	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	500	µg/L
10	Dichloromethane	ND	200	µg/L
11	Freon-113	ND	50	µg/L
12	Carbon disulfide	ND	250	µg/L
13	trans-1,2-Dichloroethene	ND	50	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	25	µg/L
15	1,1-Dichloroethane	ND	50	µg/L
16	Vinyl acetate	ND	500	µg/L
17	2-Butanone (MEK)	ND	1,000	µg/L
18	Di-isopropyl Ether (DIPE)	200	50	µg/L
19	cis-1,2-Dichloroethene	ND	50	µg/L
20	Bromochloromethane	ND	50	µg/L
21	Chloroform	ND	50	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	50	µg/L
23	2,2-Dichloropropane	ND	50	µg/L
24	1,2-Dichloroethane	ND	50	µg/L
25	1,1,1-Trichloroethane	ND	50	µg/L
26	1,1-Dichloropropene	ND	50	µg/L
27	Carbon tetrachloride	ND	50	µg/L
28	Benzene	6,600	25	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	50	µg/L
30	Dibromomethane	ND	50	µg/L
31	1,2-Dichloropropane	ND	50	µg/L
32	Trichloroethene	ND	50	µg/L
33	Bromodichloromethane	ND	50	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	250	µg/L
35	cis-1,3-Dichloropropene	ND	50	µg/L
36	trans-1,3-Dichloropropene	ND	50	µg/L
37	1,1,2-Trichloroethane	ND	50	µg/L
38	Toluene	50	25	µg/L
39	1,3-Dichloropropane	ND	50	µg/L
40	2-Hexanone	ND	500	µg/L
41	Dibromochloromethane	ND	50	µg/L
42	1,2-Dibromoethane (EDB)	ND	100	µg/L
43	Tetrachloroethene	ND	50	µg/L
44	1,1,1,2-Tetrachloroethane	ND	50	µg/L
45	Chlorobenzene	ND	50	µg/L
46	Ethylbenzene	730	25	µg/L
47	m,p-Xylene	350	25	µg/L
48	Bromoform	ND	50	µg/L
49	Xylenes, Total	350	25	µg/L
50	Styrene	ND	50	µg/L
51	o-Xylene	ND	25	µg/L
52	1,1,2,2-Tetrachloroethane	ND	50	µg/L
53	1,2,3-Trichloropropane	ND	200	µg/L
54	Isopropylbenzene	ND	50	µg/L
55	Bromobenzene	ND	50	µg/L
56	n-Propylbenzene	62	50	µg/L
57	4-Chlorotoluene	ND	50	µg/L
58	2-Chlorotoluene	ND	50	µg/L
59	1,3,5-Trimethylbenzene	ND	50	µg/L
60	tert-Butylbenzene	ND	50	µg/L
61	1,2,4-Trimethylbenzene	190	50	µg/L
62	sec-Butylbenzene	ND	50	µg/L
63	1,3-Dichlorobenzene	ND	50	µg/L
64	1,4-Dichlorobenzene	ND	50	µg/L
65	4-Isopropyltoluene	ND	50	µg/L
66	1,2-Dichlorobenzene	ND	50	µg/L
67	n-Butylbenzene	ND	50	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	300	µg/L
69	1,2,4-Trichlorobenzene	ND	200	µg/L
70	Naphthalene	ND	200	µg/L
71	1,2,3-Trichlorobenzene	ND	200	µg/L
72	Surr: 1,2-Dichloroethane-d4	107	(70-130)	%REC
73	Surr: Toluene-d8	86	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	113	(70-130)	%REC

*Note: Analyte was analyzed separately on 11/06/14.

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer

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11/13/14
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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14110306-05A
Client I.D. Number: MW-15

Sampled: 10/31/14 10:36
Received: 11/01/14
Extracted: 11/07/14
Analyzed: 11/07/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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 tetrechloride	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	106	(70-130)	%REC
73	Surr: Toluene-d8	87	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	113	(70-130)	%REC

*Note: Analyte was analyzed separately on 11/06/14.
Reporting Limits were increased due to sample foaming.
ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer

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11/13/14
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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14110306-06A
Client I.D. Number: GMW-23

Sampled: 10/31/14 11:19
Received: 11/01/14
Extracted: 11/07/14
Analyzed: 11/07/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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	200	µg/L
17	2-Butanone (MEK)	ND	2,000	µg/L
18	Di-isopropyl Ether (DIPE)	ND	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	11,000	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	690	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	260	50	µg/L
47	m,p-Xylene	1,700	50	µg/L
48	Bromoform	ND	100	µg/L
49	Xylenes, Total	2,100	50	µg/L
50	Styrene	ND	100	µg/L
51	o-Xylene	400	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	290	100	µg/L
60	tert-Butylbenzene	ND	100	µg/L
61	1,2,4-Trimethylbenzene	1,000	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	103	(70-130)	%REC
73	Surr: Toluene-d8	87	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	114	(70-130)	%REC

*Note: Analyte was analyzed separately on 11/06/14.

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

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11/13/14
Report Date

Alpha Analytical, Inc.

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ANALYTICAL REPORT

CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
Job: DFSP Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14110306-07A
Client I.D. Number: MW-SF-16

Sampled: 10/31/14 12:03
Received: 11/01/14
Extracted: 11/12/14
Analyzed: 11/12/14

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	200	µg/L
2	Chloromethane	ND	800	µg/L
3	Vinyl chloride	ND	200	µg/L
4	Chloroethane	ND	200	µg/L
5	Bromomethane	ND	800	µg/L
6	Trichlorofluoromethane	ND	200	µg/L
7	Acetone	ND	4,000	µg/L
8	1,1-Dichloroethene	ND	200	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	2,000	µg/L
10	Dichloromethane	ND	800	µg/L
11	Freon-113	ND	200	µg/L
12	Carbon disulfide	ND	1,000	µg/L
13	trans-1,2-Dichloroethene	ND	200	µg/L
14	Methyl tert-butyl ether (MTBE)	350	100	µg/L
15	1,1-Dichloroethane	ND	200	µg/L
16	Vinyl acetate	ND *	200	µg/L
17	2-Butanone (MEK)	ND	4,000	µg/L
18	Di-isopropyl Ether (DIPE)	ND	200	µg/L
19	cis-1,2-Dichloroethene	ND	200	µg/L
20	Bromochloromethane	ND	200	µg/L
21	Chloroform	ND	200	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	200	µg/L
23	2,2-Dichloropropane	ND	200	µg/L
24	1,2-Dichloroethane	ND	200	µg/L
25	1,1,1-Trichloroethane	ND	200	µg/L
26	1,1-Dichloropropene	ND	200	µg/L
27	Carbon tetrachloride	ND	200	µg/L
28	Benzene	7,400	100	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	200	µg/L
30	Dibromomethane	ND	200	µg/L
31	1,2-Dichloropropane	ND	200	µg/L
32	Trichloroethene	ND	200	µg/L
33	Bromodichloromethane	ND	200	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	1,000	µg/L
35	cis-1,3-Dichloropropene	ND	200	µg/L
36	trans-1,3-Dichloropropene	ND	200	µg/L
37	1,1,2-Trichloroethane	ND	200	µg/L
38	Toluene	7,800	100	µg/L
39	1,3-Dichloropropane	ND	200	µg/L
40	2-Hexanone	ND	2,000	µg/L
41	Dibromochloromethane	ND	200	µg/L
42	1,2-Dibromoethane (EDB)	ND	400	µg/L
43	Tetrachloroethene	ND	200	µg/L
44	1,1,1,2-Tetrachloroethane	ND	200	µg/L
45	Chlorobenzene	ND	200	µg/L
46	Ethylbenzene	1,000	100	µg/L
47	m,p-Xylene	12,000	100	µg/L
48	Bromoform	ND	200	µg/L
49	Xylenes, Total	17,000	100	µg/L
50	Styrene	ND	200	µg/L
51	o-Xylene	4,900	100	µg/L
52	1,1,2,2-Tetrachloroethane	ND	200	µg/L
53	1,2,3-Trichloropropane	ND	800	µg/L
54	Isopropylbenzene	ND	200	µg/L
55	Bromobenzene	ND	200	µg/L
56	n-Propylbenzene	200	200	µg/L
57	4-Chlorotoluene	ND	200	µg/L
58	2-Chlorotoluene	ND	200	µg/L
59	1,3,5-Trimethylbenzene	1,100	200	µg/L
60	tert-Butylbenzene	ND	200	µg/L
61	1,2,4-Trimethylbenzene	4,200	200	µg/L
62	sec-Butylbenzene	ND	200	µg/L
63	1,3-Dichlorobenzene	ND	200	µg/L
64	1,4-Dichlorobenzene	ND	200	µg/L
65	4-Isopropyltoluene	ND	200	µg/L
66	1,2-Dichlorobenzene	ND	200	µg/L
67	n-Butylbenzene	ND	200	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	1,200	µg/L
69	1,2,4-Trichlorobenzene	ND	800	µg/L
70	Naphthalene	1,300	800	µg/L
71	1,2,3-Trichlorobenzene	ND	800	µg/L
72	Surr: 1,2-Dichloroethane-d4	103	(70-130)	%REC
73	Surr: Toluene-d8	101	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	98	(70-130)	%REC

*Note: Analyte was analyzed separately on 11/06/14.

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

ACCLASS ACCREDITED DoD ELAP

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com
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11/13/14
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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14110306-08A
Client I.D. Number: MW-SF-5

Sampled: 10/31/14 12:51
Received: 11/01/14
Extracted: 11/07/14
Analyzed: 11/07/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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)	70	20	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)	17	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)	ND	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	3.4	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	7.0	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
45	Chlorobenzene	ND	2.0	µg/L
46	Ethylbenzene	1.0	1.0	µg/L
47	m,p-Xylene	9.4	1.0	µg/L
48	Bromoform	ND	2.0	µg/L
49	Xylenes, Total	14	1.0	µg/L
50	Styrene	ND	2.0	µg/L
51	o-Xylene	4.3	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	ND	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	107	(70-130)	%REC
73	Surr: Toluene-d8	87	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	113	(70-130)	%REC

Some Reporting Limits were increased due to sample foaming.

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

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11/13/14
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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14110306-09A
Client I.D. Number: DUP-6

Sampled: 10/31/14 00:00
Received: 11/01/14
Extracted: 11/07/14
Analyzed: 11/07/14

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	50	µg/L
2	Chloromethane	ND	200	µg/L
3	Vinyl chloride	ND	50	µg/L
4	Chloroethane	ND	50	µg/L
5	Bromomethane	ND	200	µg/L
6	Trichlorofluoromethane	ND	50	µg/L
7	Acetone	ND	1,000	µg/L
8	1,1-Dichloroethene	ND	50	µg/L
9	Tertiary Butyl Alcohol (TBA)	ND	500	µg/L
10	Dichloromethane	ND	200	µg/L
11	Freon-113	ND	50	µg/L
12	Carbon disulfide	ND	250	µg/L
13	trans-1,2-Dichloroethene	ND	50	µg/L
14	Methyl tert-butyl ether (MTBE)	ND	25	µg/L
15	1,1-Dichloroethane	ND	50	µg/L
16	Vinyl acetate	ND	500	µg/L
17	2-Butanone (MEK)	ND	1,000	µg/L
18	Di-isopropyl Ether (DIPE)	200	50	µg/L
19	cis-1,2-Dichloroethene	ND	50	µg/L
20	Bromochloromethane	ND	50	µg/L
21	Chloroform	ND	50	µg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	50	µg/L
23	2,2-Dichloropropane	ND	50	µg/L
24	1,2-Dichloroethane	ND	50	µg/L
25	1,1,1-Trichloroethane	ND	50	µg/L
26	1,1-Dichloropropene	ND	50	µg/L
27	Carbon tetrachloride	ND	50	µg/L
28	Benzene	6,200	25	µg/L
29	Tertiary Amyl Methyl Ether (TAME)	ND	50	µg/L
30	Dibromomethane	ND	50	µg/L
31	1,2-Dichloropropane	ND	50	µg/L
32	Trichloroethene	ND	50	µg/L
33	Bromodichloromethane	ND	50	µg/L
34	4-Methyl-2-pentanone (MIBK)	ND	250	µg/L
35	cis-1,3-Dichloropropene	ND	50	µg/L
36	trans-1,3-Dichloropropene	ND	50	µg/L
37	1,1,2-Trichloroethane	ND	50	µg/L
38	Toluene	110	25	µg/L
39	1,3-Dichloropropane	ND	50	µg/L
40	2-Hexanone	ND	500	µg/L
41	Dibromochloromethane	ND	50	µg/L
42	1,2-Dibromoethane (EDB)	ND	100	µg/L
43	Tetrachloroethene	ND	50	µg/L
44	1,1,1,2-Tetrachloroethane	ND	50	µg/L
45	Chlorobenzene	ND	50	µg/L
46	Ethylbenzene	710	25	µg/L
47	m,p-Xylene	600	25	µg/L
48	Bromoform	ND	50	µg/L
49	Xylenes, Total	710	25	µg/L
50	Styrene	ND	50	µg/L
51	o-Xylene	110	25	µg/L
52	1,1,2,2-Tetrachloroethane	ND	50	µg/L
53	1,2,3-Trichloropropane	ND	200	µg/L
54	Isopropylbenzene	ND	50	µg/L
55	Bromobenzene	ND	50	µg/L
56	n-Propylbenzene	74	50	µg/L
57	4-Chlorotoluene	ND	50	µg/L
58	2-Chlorotoluene	ND	50	µg/L
59	1,3,5-Trimethylbenzene	65	50	µg/L
60	tert-Butylbenzene	ND	50	µg/L
61	1,2,4-Trimethylbenzene	390	50	µg/L
62	sec-Butylbenzene	ND	50	µg/L
63	1,3-Dichlorobenzene	ND	50	µg/L
64	1,4-Dichlorobenzene	ND	50	µg/L
65	4-Isopropyltoluene	ND	50	µg/L
66	1,2-Dichlorobenzene	ND	50	µg/L
67	n-Butylbenzene	ND	50	µg/L
68	1,2-Dibromo-3-chloropropane (DBCP)	ND	300	µg/L
69	1,2,4-Trichlorobenzene	ND	200	µg/L
70	Naphthalene	ND	200	µg/L
71	1,2,3-Trichlorobenzene	ND	200	µg/L
72	Surr: 1,2-Dichloroethane-d4	108	(70-130)	%REC
73	Surr: Toluene-d8	86	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	112	(70-130)	%REC

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

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ACCREDITED DoD ELAP

11/13/14
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 Norwalk

Attn: Daniel Jablonski
Phone: (213) 228-8271
Fax: (714) 424-2135

Alpha Analytical Number: CHH14110306-10A
Client I.D. Number: EB-7

Sampled: 10/31/14 13:17
Received: 11/01/14
Extracted: 11/07/14
Analyzed: 11/07/14

Volatile Organics by GC/MS
EPA Method SW8260B

	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	103	(70-130)	%REC
73	Surr: Toluene-d8	87	(70-130)	%REC
74	Surr: 4-Bromofluorobenzene	111	(70-130)	%REC

ND = Not Detected

ACLASS ACCREDITED DoD ELAP

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11/13/14
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: CHH14110306 **Job:** DFSP Norwalk

Alpha's Sample ID	Client's Sample ID	Matrix	pH
14110306-01A	TB-4	Aqueous	2
14110306-02A	GMW-28	Aqueous	2
14110306-03A	MW-18 (MID)	Aqueous	2
14110306-04A	GMW-O-14	Aqueous	2
14110306-05A	MW-15	Aqueous	2
14110306-06A	GMW-23	Aqueous	2
14110306-07A	MW-SF-16	Aqueous	2
14110306-08A	MW-SF-5	Aqueous	2
14110306-09A	DUP-6	Aqueous	2
14110306-10A	EB-7	Aqueous	2

11/13/14

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: *13-Nov-14*

QC Summary Report

Work Order: 14110306

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B/C Ext**

File ID: **2** Batch ID: **33807** Analysis Date: **11/05/2014 15:28**

Sample ID: **MBLK-33807** Units : **mg/L** Run ID: **MANUAL_141105A** Prep Date: **11/05/2014 10:33**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	ND	0.05								
Surr: Nonane	0.169		0.15		113	53	145			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B/C Ext**

File ID: **1** Batch ID: **33807** Analysis Date: **11/05/2014 15:03**

Sample ID: **LCS-33807** Units : **mg/L** Run ID: **MANUAL_141105A** Prep Date: **11/05/2014 10:33**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.79	0.05	2.5		111	70	130			
Surr: Nonane	0.173		0.15		115	53	145			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B/C Ext**

File ID: **15** Batch ID: **33807** Analysis Date: **11/05/2014 22:17**

Sample ID: **14110448-03AMS** Units : **mg/L** Run ID: **MANUAL_141105A** Prep Date: **11/05/2014 10:33**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.83	0.05	2.5	0	113	51	151			
Surr: Nonane	0.154		0.15		103	53	145			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B/C Ext**

File ID: **16** Batch ID: **33807** Analysis Date: **11/05/2014 22:42**

Sample ID: **14110448-03AMSD** Units : **mg/L** Run ID: **MANUAL_141105A** Prep Date: **11/05/2014 10:33**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.53	0.05	2.5	0	101	51	151	2.826	11.0(40)	
Surr: Nonane	0.115		0.15		77	53	145			

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.

Diesel Range Organics (DRO) C13-C22

Diesel Range Organics (DRO) C13-C22

Oil Range Organics (ORO) C22-C40+

Jet Fuel Range Organics (JFRO) C9-C22. JFRO determination is based on its chromatographic fingerprint.

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *13-Nov-14*

QC Summary Report

Work Order: 14110306

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **14110624.D** Batch ID: **MS15W1106B** Analysis Date: **11/06/2014 18:00**

Sample ID: **MBLK MS15W1106B** Units : **mg/L** Run ID: **MSD_15_141106A** Prep Date: **11/06/2014 18:00**

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	0.0115		0.01		115	70	130			
Surr: Toluene-d8	0.00861		0.01		86	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: **14110621.D** Batch ID: **MS15W1106B** Analysis Date: **11/06/2014 16:48**

Sample ID: **GLCS MS15W1106B** Units : **mg/L** Run ID: **MSD_15_141106A** Prep Date: **11/06/2014 16:48**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	0.397	0.05	0.4		99	70	130			
Surr: 1,2-Dichloroethane-d4	0.0115		0.01		115	70	130			
Surr: Toluene-d8	0.00848		0.01		85	70	130			
Surr: 4-Bromofluorobenzene	0.0112		0.01		112	70	130			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **14110647.D** Batch ID: **MS15W1106B** Analysis Date: **11/07/2014 03:12**

Sample ID: **14103103-21AGS** Units : **mg/L** Run ID: **MSD_15_141106A** Prep Date: **11/07/2014 03:12**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.65	0.25	2	0	83	54	143			
Surr: 1,2-Dichloroethane-d4	0.0539		0.05		108	70	130			
Surr: Toluene-d8	0.0437		0.05		87	70	130			
Surr: 4-Bromofluorobenzene	0.0568		0.05		114	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **14110648.D** Batch ID: **MS15W1106B** Analysis Date: **11/07/2014 03:36**

Sample ID: **14103103-21AGSD** Units : **mg/L** Run ID: **MSD_15_141106A** Prep Date: **11/07/2014 03:36**

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	1.651	10.9(23)	
Surr: 1,2-Dichloroethane-d4	0.0535		0.05		107	70	130			
Surr: Toluene-d8	0.043		0.05		86	70	130			
Surr: 4-Bromofluorobenzene	0.0571		0.05		114	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.

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Date: 13-Nov-14

QC Summary Report

Work Order: 14110306

Method Blank Type **MBLK** Test Code: **EPA Method SW8260B**

File ID: **14110624.D** Batch ID: **MS15W1106A** Analysis Date: **11/06/2014 18:00**

Sample ID: **MBLK MS15W1106A** Units : **µg/L** Run ID: **MSD_15_141106A** Prep Date: **11/06/2014 18:00**

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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QC Summary Report

Work Order: 14110306

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	11.5		10	115	70	130
Surr: Toluene-d8	8.61		10	86	70	130
Surr: 4-Bromofluorobenzene	11.2		10	112	70	130

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QC Summary Report

Work Order: 14110306

Laboratory Control Spike Type **LCS** Test Code: **EPA Method SW8260B**

File ID: **14110622.D** Batch ID: **MS15W1106A** Analysis Date: **11/06/2014 17:12**

Sample ID: **LCS MS15W1106A** Units : **µg/L** Run ID: **MSD_15_141106A** Prep Date: **11/06/2014 17:12**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	16.7	1	10		167	32	145			L51
Chloromethane	9.9	2	10		99	40	145			
Vinyl chloride	12.2	1	10		122	80	120			L51
Chloroethane	11.4	1	10		114	38	156			
Bromomethane	6.23	2	10		62	14	162			
Trichlorofluoromethane	15.1	1	10		151	46	154			
Acetone	336	10	200		168	22	188			
1,1-Dichloroethene	11.8	1	10		118	80	120			
Tertiary Butyl Alcohol (TBA)	157	10	100		157	48	148			L1
Dichloromethane	12.2	2	10		122	69	130			
Freon-113	12.8	1	10		128	70	136			
trans-1,2-Dichloroethene	12	1	10		120	70	130			
Methyl tert-butyl ether (MTBE)	13.6	0.5	10		136	63	137			
1,1-Dichloroethane	13.4	1	10		134	70	130			L1
2-Butanone (MEK)	294	10	200		147	26	183			
Di-isopropyl Ether (DIPE)	14.2	1	10		142	69	133			L1
cis-1,2-Dichloroethene	11.8	1	10		118	70	130			
Bromochloromethane	11.2	1	10		112	70	133			
Chloroform	12.3	1	10		123	80	120			L51
Ethyl Tertiary Butyl Ether (ETBE)	14	1	10		140	66	135			L1
2,2-Dichloropropane	16.6	1	10		166	70	149			L51
1,2-Dichloroethane	13.6	1	10		136	70	133			L1
1,1,1-Trichloroethane	13.5	1	10		135	70	135			
1,1-Dichloropropene	13.1	1	10		131	70	130			L51
Carbon tetrachloride	13.4	1	10		134	63	143			
Benzene	12.1	0.5	10		121	70	130			
Tertiary Amyl Methyl Ether (TAME)	13.1	1	10		131	70	133			
Dibromomethane	12.1	1	10		121	70	130			
1,2-Dichloropropane	12.8	1	10		128	80	120			L1
Trichloroethene	10.8	1	10		108	68	138			
Bromodichloromethane	13.9	1	10		139	58	147			
4-Methyl-2-pentanone (MIBK)	37	2.5	25		148	59	140			L1
cis-1,3-Dichloropropene	13.6	1	10		136	70	130			L51
trans-1,3-Dichloropropene	13.9	1	10		139	70	131			L51
1,1,2-Trichloroethane	12.1	1	10		121	70	130			
Toluene	8.95	0.5	10		90	80	120			
1,3-Dichloropropane	9.57	1	10		96	70	130			
2-Hexanone	111	5	100		111	48	157			
Dibromochloromethane	10.7	1	10		107	49	147			
1,2-Dibromoethane (EDB)	18.3	2	20		92	70	131			
Tetrachloroethene	7.88	1	10		79	70	130			
Chlorobenzene	8.97	1	10		90	70	130			
Ethylbenzene	9.54	0.5	10		95	80	120			
m,p-Xylene	9.14	0.5	10		91	65	139			
Bromoform	9.25	1	10		93	60	144			
Styrene	9	1	10		90	55	144			
o-Xylene	8.99	0.5	10		90	70	130			
1,1,2,2-Tetrachloroethane	9.71	1	10		97	70	130			
1,2,3-Trichloropropane	18.4	2	20		92	70	130			
Isopropylbenzene	10.1	1	10		101	69	136			
Bromobenzene	8.67	1	10		87	70	130			
n-Propylbenzene	9.83	1	10		98	70	132			
4-Chlorotoluene	9.16	1	10		92	70	132			
2-Chlorotoluene	9.44	1	10		94	70	130			
1,3,5-Trimethylbenzene	10.6	1	10		106	70	134			
tert-Butylbenzene	9.64	1	10		96	63	139			
1,2,4-Trimethylbenzene	10.2	1	10		102	70	133			
sec-Butylbenzene	9.22	1	10		92	70	132			
1,3-Dichlorobenzene	8.63	1	10		86	70	130			
1,4-Dichlorobenzene	8.49	1	10		85	70	130			
4-Isopropyltoluene	9.8	1	10		98	40	161			
1,2-Dichlorobenzene	8.48	1	10		85	70	130			
n-Butylbenzene	10.2	1	10		102	69	134			

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Work Order: 14110306

1,2-Dibromo-3-chloropropane (DBCP)	55.7	3	50	111	67	130
1,2,4-Trichlorobenzene	7.33	2	10	73	62	131
Naphthalene	8.31	2	10	83	39	149
1,2,3-Trichlorobenzene	7.33	2	10	73	54	135
Xylenes, Total	18.1	0.5	20	91	70	130
Surr: 1,2-Dichloroethane-d4	11.4		10	114	70	130
Surr: Toluene-d8	8.37		10	84	70	130
Surr: 4-Bromofluorobenzene	10.9		10	109	70	130

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QC Summary Report

Work Order: 14110306

Sample Matrix Spike Type **MS** Test Code: **EPA Method SW8260B**

File ID: **14110645.D** Batch ID: **MS15W1106A** Analysis Date: **11/07/2014 02:24**

Sample ID: **14103103-21AMS** Units : **µg/L** Run ID: **MSD_15_141106A** Prep Date: **11/07/2014 02:24**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	60.9	2.5	50	0	122	12	150			
Chloromethane	57.4	10	50	0	115	26	146			
Vinyl chloride	57.4	2.5	50	0	115	46	142			
Chloroethane	56.6	2.5	50	0	113	25	164			
Bromomethane	4.78	10	50	0	9.6	10	172			
Trichlorofluoromethane	57.7	2.5	50	0	115	32	164			
Acetone	1540	50	1000	0	154	10	188			
1,1-Dichloroethene	0.09	2.5	50	0	0.18	62	133			M2
Tertiary Butyl Alcohol (TBA)	1410	25	500	0	283	44	155			M57
Dichloromethane	63.3	10	50	0	127	69	130			
Freon-113	41.2	2.5	50	0	82	56	144			
trans-1,2-Dichloroethene	58	2.5	50	0	116	67	131			
Methyl tert-butyl ether (MTBE)	73.8	1.3	50	0.64	146	56	140			M2
1,1-Dichloroethane	69.7	2.5	50	0	139	67	130			M55
2-Butanone (MEK)	1400	50	1000	0	140	26	183			
Di-isopropyl Ether (DIPE)	77.3	2.5	50	0	155	59	138			M55
cis-1,2-Dichloroethene	61.5	2.5	50	0	123	70	130			
Bromochloromethane	58.5	2.5	50	0	117	70	134			
Chloroform	63	2.5	50	0	126	69	130			
Ethyl Tertiary Butyl Ether (ETBE)	75.5	2.5	50	0	151	62	135			M55
2,2-Dichloropropane	53.4	2.5	50	0	107	44	149			
1,2-Dichloroethane	71.4	2.5	50	0.53	142	64	139			M55
1,1,1-Trichloroethane	60.9	2.5	50	0	122	65	139			
1,1-Dichloropropene	53.5	2.5	50	0	107	68	134			
Carbon tetrachloride	53.3	2.5	50	0	107	56	146			
Benzene	60.1	1.3	50	0	120	67	134			
Tertiary Amyl Methyl Ether (TAME)	67.3	2.5	50	0	135	64	135			
Dibromomethane	63.2	2.5	50	0	126	70	132			
1,2-Dichloropropane	68	2.5	50	0	136	69	134			M55
Trichloroethene	48.6	2.5	50	0	97	68	138			
Bromodichloromethane	72	2.5	50	0	144	58	147			
4-Methyl-2-pentanone (MIBK)	192	13	125	0	153	49	140			M55
cis-1,3-Dichloropropene	63.4	2.5	50	0	127	61	130			
trans-1,3-Dichloropropene	65.2	2.5	50	0	130	62	131			
1,1,2-Trichloroethane	63.7	2.5	50	0	127	70	131			
Toluene	42.4	1.3	50	0	85	38	130			
1,3-Dichloropropane	51.2	2.5	50	0	102	70	130			
2-Hexanone	364	25	500	0	73	25	157			
Dibromochloromethane	56.9	2.5	50	0	114	49	147			
1,2-Dibromoethane (EDB)	96.7	5	100	0	97	70	131			
Tetrachloroethene	30.8	2.5	50	0	62	63	134			M2
1,1,1,2-Tetrachloroethane	48.8	2.5	50	0	98	70	133			
Chlorobenzene	42	2.5	50	0	84	70	130			
Ethylbenzene	40.2	1.3	50	0	80	70	130			
m,p-Xylene	39.4	1.3	50	0	79	65	139			
Bromoform	49.7	2.5	50	0	99	60	144			
Styrene	41.8	2.5	50	0	84	53	144			
o-Xylene	41	1.3	50	0	82	69	130			
1,1,2,2-Tetrachloroethane	51.1	2.5	50	0	102	67	134			
1,2,3-Trichloropropane	95.2	10	100	0	95	70	130			
Isopropylbenzene	41.6	2.5	50	0	83	64	136			
Bromobenzene	41.9	2.5	50	0	84	69	130			
n-Propylbenzene	37.8	2.5	50	0	76	65	132			
4-Chlorotoluene	40.1	2.5	50	0	80	69	132			
2-Chlorotoluene	41.4	2.5	50	0	83	69	130			
1,3,5-Trimethylbenzene	43.2	2.5	50	0	86	64	135			
tert-Butylbenzene	37.6	2.5	50	0	75	63	139			
1,2,4-Trimethylbenzene	42.9	2.5	50	0	86	62	135			
sec-Butylbenzene	32.9	2.5	50	0	66	68	132			M2
1,3-Dichlorobenzene	38.4	2.5	50	0	77	70	130			
1,4-Dichlorobenzene	38	2.5	50	0	76	70	130			
4-Isopropyltoluene	35.7	2.5	50	0	71	40	161			
1,2-Dichlorobenzene	39.5	2.5	50	0	79	70	130			

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Work Order: 14110306

n-Butylbenzene	34.5	2.5	50	0	69	58	135
1,2-Dibromo-3-chloropropane (DBCP)	304	15	250	0	122	63	131
1,2,4-Trichlorobenzene	30.7	10	50	0	61	57	134
Naphthalene	42.4	10	50	0	85	31	157
1,2,3-Trichlorobenzene	30.7	10	50	0	61	52	138
Xylenes, Total	80.4	1.3	100	0	80	70	130
Surr: 1,2-Dichloroethane-d4	53		50		106	70	130
Surr: Toluene-d8	41.8		50		84	70	130
Surr: 4-Bromofluorobenzene	56.4		50		113	70	130

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QC Summary Report

Work Order: 14110306

Sample Matrix Spike Duplicate Type **MSD** Test Code: **EPA Method SW8260B**

File ID: **14110646.D** Batch ID: **MS15W1106A** Analysis Date: **11/07/2014 02:48**

Sample ID: **14103103-21AMSD** Units : **µg/L** Run ID: **MSD_15_141106A** Prep Date: **11/07/2014 02:48**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	56.7	2.5	50	0	113	12	150	60.86	7.0(38)	
Chloromethane	44.7	10	50	0	89	26	146	57.38	24.9(31)	
Vinyl chloride	45.1	2.5	50	0	90	46	142	57.37	23.9(25)	
Chloroethane	41.4	2.5	50	0	83	25	164	56.55	31.0(40)	
Bromomethane	4.36	10	50	0	8.7	10	172	4.78	9.2(40)	M2
Trichlorofluoromethane	50.9	2.5	50	0	102	32	164	57.65	12.5(34)	
Acetone	1100	50	1000	0	110	10	188	1543	33.4(39)	
1,1-Dichloroethene	43.9	2.5	50	0	88	62	133	0.09	199.0(35)	R58
Tertiary Butyl Alcohol (TBA)	592	25	500	0	118	44	155	1415	82.0(33)	R58
Dichloromethane	46.5	10	50	0	93	69	130	63.34	30.7(26)	R5
Freon-113	41.3	2.5	50	0	83	56	144	41.24	0.0(40)	
trans-1,2-Dichloroethene	45.9	2.5	50	0	92	67	131	57.97	23.2(27)	
Methyl tert-butyl ether (MTBE)	52.4	1.3	50	0.64	104	56	140	73.79	33.8(40)	
1,1-Dichloroethane	51.6	2.5	50	0	103	67	130	69.74	29.9(20)	R58
2-Butanone (MEK)	1010	50	1000	0	101	26	183	1398	32.0(22)	R5
Di-isopropyl Ether (DIPE)	55.3	2.5	50	0	111	59	138	77.29	33.1(20)	R58
cis-1,2-Dichloroethene	46	2.5	50	0	92	70	130	61.53	28.8(20)	R5
Bromochloromethane	42.3	2.5	50	0	85	70	134	58.5	32.1(20)	R5
Chloroform	47	2.5	50	0	94	69	130	63.03	29.1(22)	R5
Ethyl Tertiary Butyl Ether (ETBE)	53.6	2.5	50	0	107	62	135	75.5	33.9(40)	
2,2-Dichloropropane	41	2.5	50	0	82	44	149	53.4	26.2(23)	R5
1,2-Dichloroethane	51.9	2.5	50	0.53	103	64	139	71.43	31.6(20)	R58
1,1,1-Trichloroethane	48.8	2.5	50	0	98	65	139	60.91	22.0(20)	R5
1,1-Dichloropropene	46.2	2.5	50	0	92	68	134	53.46	14.5(20)	
Carbon tetrachloride	46.7	2.5	50	0	93	56	146	53.26	13.2(21)	
Benzene	45.9	1.3	50	0	92	67	134	60.13	26.9(21)	R5
Tertiary Amyl Methyl Ether (TAME)	48	2.5	50	0	96	64	135	67.29	33.5(31)	R5
Dibromomethane	46.7	2.5	50	0	93	70	132	63.21	30.1(20)	R5
1,2-Dichloropropane	49.8	2.5	50	0	99.6	69	134	68.04	31.0(20)	R58
Trichloroethene	39.3	2.5	50	0	79	68	138	48.6	21.3(20)	R5
Bromodichloromethane	52.7	2.5	50	0	105	58	147	72.04	31.1(20)	R5
4-Methyl-2-pentanone (MIBK)	134	13	125	0	107	49	140	191.6	35.5(24)	R58
cis-1,3-Dichloropropene	46.8	2.5	50	0	94	61	130	63.38	30.2(20)	R5
trans-1,3-Dichloropropene	48.6	2.5	50	0	97	62	131	65.22	29.3(21)	R5
1,1,2-Trichloroethane	46.2	2.5	50	0	92	70	131	63.7	31.9(20)	R5
Toluene	33.6	1.3	50	0	67	38	130	42.36	23.2(20)	R5
1,3-Dichloropropane	36.9	2.5	50	0	74	70	130	51.16	32.4(20)	R5
2-Hexanone	256	25	500	0	51	25	157	363.7	34.9(23)	R5
Dibromochloromethane	41.2	2.5	50	0	82	49	147	56.85	31.9(20)	R5
1,2-Dibromoethane (EDB)	70.1	5	100	0	70	70	131	96.65	31.9(20)	R5
Tetrachloroethene	27.8	2.5	50	0	56	63	134	30.79	10.4(20)	M2
1,1,1,2-Tetrachloroethane	35.9	2.5	50	0	72	70	133	48.83	30.5(20)	R5
Chlorobenzene	32.5	2.5	50	0	65	70	130	41.95	25.3(20)	M2 R58
Ethylbenzene	33.7	1.3	50	0	67	70	130	40.21	17.6(20)	M2
m,p-Xylene	32.6	1.3	50	0	65	65	139	39.37	18.8(20)	
Bromoform	35.7	2.5	50	0	71	60	144	49.72	32.9(21)	R5
Styrene	32.5	2.5	50	0	65	53	144	41.81	25.2(31)	
o-Xylene	32.7	1.3	50	0	65	69	130	41.03	22.6(20)	M2 R58
1,1,2,2-Tetrachloroethane	36.3	2.5	50	0	73	67	134	51.07	33.9(20)	R5
1,2,3-Trichloropropane	69.8	10	100	0	70	70	130	95.22	30.8(20)	R5
Isopropylbenzene	36.6	2.5	50	0	73	64	136	41.55	12.8(20)	
Bromobenzene	32.5	2.5	50	0	65	69	130	41.91	25.3(20)	M2 R58
n-Propylbenzene	34.8	2.5	50	0	70	65	132	37.81	8.3(40)	
4-Chlorotoluene	33.5	2.5	50	0	67	69	132	40.07	17.8(20)	M2
2-Chlorotoluene	34.6	2.5	50	0	69	69	130	41.35	17.9(20)	
1,3,5-Trimethylbenzene	37.6	2.5	50	0	75	64	135	43.24	13.9(21)	
tert-Butylbenzene	34.6	2.5	50	0	69	63	139	37.64	8.5(20)	
1,2,4-Trimethylbenzene	36.8	2.5	50	0	74	62	135	42.91	15.4(24)	

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *13-Nov-14*

QC Summary Report

Work Order: 14110306

sec-Butylbenzene	31.7	2.5	50	0	63	68	132	32.89	3.8(20)	M2
1,3-Dichlorobenzene	31.4	2.5	50	0	63	70	130	38.36	19.9(20)	M2
1,4-Dichlorobenzene	30.9	2.5	50	0	62	70	130	38.01	20.6(20)	M2 R58
4-Isopropyltoluene	34.1	2.5	50	0	68	40	161	35.73	4.7(22)	
1,2-Dichlorobenzene	31.1	2.5	50	0	62	70	130	39.48	23.6(20)	M2 R58
n-Butylbenzene	34.6	2.5	50	0	69	58	135	34.49	0.4(24)	
1,2-Dibromo-3-chloropropane (DBCP)	218	15	250	0	87	63	131	303.8	33.1(29)	R5
1,2,4-Trichlorobenzene	26.6	10	50	0	53	57	134	30.7	14.4(30)	M2
Naphthalene	32.8	10	50	0	66	31	157	42.35	25.3(40)	
1,2,3-Trichlorobenzene	26.6	10	50	0	53	52	138	30.7	14.4(39)	
Xylenes, Total	65.3	1.3	100	0	65	70	130	80.4	20.7(22)	M2
Surr: 1,2-Dichloroethane-d4	52.4		50		105	70	130			
Surr: Toluene-d8	42.6		50		85	70	130			
Surr: 4-Bromofluorobenzene	56.3		50		113	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.

L1 = The associated blank spike recovery was above 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.

M55 = Matrix spike recovery was above laboratory acceptance limits.

M57 = Matrix spike recovery was below laboratory acceptance limits.

R5 = MS/MSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R58 = MS/MSD RPD exceeded the laboratory control limit.

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 : CHHL14110306

Report Due By : 5:00 PM On : 12-Nov-14

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

Client:
CH2M Hill
1000 Wilshire Boulevard
21st Floor
Los Angeles, CA 90017

EDD Required : Yes

Sampled by : Nathan Vail

PO :

Client's COC # : none Job : DFSP Norwalk

Cooler Temp	Samples Received	Date Printed
3 °C	01-Nov-14	03-Nov-14

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
CHH14110306-01A	TB-4	AQ	10/31/14 07:05	2	0	7			TPHE(0.05) +Vinyl acetate						Reno Trip Blank 9/16/14
CHH14110306-02A	GMW-28	AQ	10/31/14 07:58	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14110306-03A	MW-18 (MID)	AQ	10/31/14 08:54	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14110306-04A	GMW-O-14	AQ	10/31/14 09:53	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14110306-05A	MW-15	AQ	10/31/14 10:36	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14110306-06A	GMW-23	AQ	10/31/14 11:19	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14110306-07A	MW-SF-16	AQ	10/31/14 12:03	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14110306-08A	MW-SF-5	AQ	10/31/14 12:51	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 on Monday. Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Total Xylenes. :

	Signature	Print Name	Company	Date/Time
Logged in by:	Morgan Lowery	Morgan Lowery	Alpha Analytical, Inc.	11/3/14 11:56

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 : CHHL14110306

Report Due By : 5:00 PM On : 12-Nov-14

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 : Nathan Vail

PO :

Client's COC # : none Job : DFSP Norwalk

Cooler Temp	Samples Received	Date Printed
3 °C	01-Nov-14	03-Nov-14

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
CHH14110306-09A	DUP-6	AQ	10/31/14 00:00	6	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH14110306-10A	EB-7	AQ	10/31/14 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. Saturday delivery. Samples kept cold and secure until login on Monday. Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Total Xylenes. :

	Signature	Print Name	Company	Date/Time
Logged in by:	Morgan Lowery	Morgan Lowery	Alpha Analytical, Inc.	11/3/14 1156

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

CHAIN OF CUSTODY

CLIENT: Kinder Morgan

SITE: DFSP Norwalk

15306 Norwalk Blvd, Norwalk

LAB: Alpha Analytical COC 1 of 1

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

CHH14110306

SAMPLE I.D.	DATE	TIME	MATRIX AQ= Water	CONTAINERS #	Preservation	Type	CONDUCT ANALYSIS TO DETECT: TPHg, TPHd (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)						ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
TB-4	10-31-14	0705	AQ	2	HCL	Vo2		X									01A
GMW-28	10-31-14	0758	AQ	6	HCL	Vo2	X	X									02A
MW-18(MID)	10-31-14	0854	AQ	6	HCL	Vo2	X	X									03A
GMW-0-14	10-31-14	0953	AQ	6	HCL	Vo2	X	X									04A
MW-15	10-31-14	1036	AQ	6	HCL	Vo2	X	X									05A
GMW-23	10-31-14	1119	AQ	6	HCL	Vo2	X	X									06A
MW-SF-16	10-31-14	1203	AQ	6	HCL	Vo2	X	X									07A
MW-SF-5	10-31-14	1251	AQ	6	HCL	Vo2	X	X									08A
DUP-6	10-31-14	—	AQ	6	HCL	Vo2	X	X									09A
EB-7	10-31-14	1317	AQ	6	HCL	Vo2	X	X									10A

SAMPLING COMPLETED	DATE	TIME
	10-31-14	1320

SAMPLING PERFORMED BY: Nathan Vail

RESULTS NEEDED NO LATER THAN: Standard

RELEASED BY	TIME	RECEIVED BY	DATE	TIME
	1610	Maggie Lowery/Alpha	11/3/14	1147
RELEASED BY	TIME	RECEIVED BY	DATE	TIME
RELEASED BY	TIME	RECEIVED BY	DATE	TIME

SHIPPED VIA	TIME SENT	COOLER #	

APPENDIX C

SUMMARY OF HISTORICAL GROUNDWATER ELEVATIONS – NOVEMBER 1996 THROUGH APRIL 2014

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
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	07/09/2012	73.17	NM	NM	NM	-----
BW-1	10/15/2012	73.17	-----	25.26	-----	47.91
BW-1	04/08/2013	73.17	NM	NM	NM	-----
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	07/09/2012	73.57	NM	NM	NM	-----
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	07/09/2012	74.16	NM	NM	NM	-----
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	07/09/2012	74.61	NM	NM	NM	-----
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	07/09/2012	73.59	NM	NM	NM	-----
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	07/09/2012	73.48	NM	NM	NM	-----
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
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-7	10/10/2011	74.65	-----	26.83	-----	47.82
BW-7	04/16/2012	74.65	-----	27.71	-----	46.94
BW-7	07/09/2012	74.65	NM	NM	NM	-----
BW-7	10/15/2012	74.65	-----	27.15	-----	47.50
BW-7	04/08/2013	74.65	-----	29.01	-----	45.64
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	07/09/2012	75.08	NM	NM	NM	-----
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	07/09/2012	76.19	NM	NM	NM	-----
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
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	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
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
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	10/14/2008	78.44	-----	53.75	-----	24.69
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-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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
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	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
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
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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-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
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

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)
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-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
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
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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)
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
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
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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)
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
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-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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
EXP-4	04/07/2003	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	07/09/2012	79.81	NM	NM	NM	-----
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-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
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

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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	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
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

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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	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
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
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

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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-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	07/11/2011	74.77	NM	NM	NM	-----
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-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
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

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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-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	04/11/2011	73.57	NM	NM	NM	-----
GMW-2	10/10/2011	73.57	-----	25.17	-----	48.40
GMW-2	04/16/2012	73.57	NM	NM	NM	-----
GMW-2	07/09/2012	73.57	NM	NM	NM	-----
GMW-2	10/15/2012	73.57	NM	NM	NM	-----
GMW-2	04/08/2013	73.57	NM	NM	NM	-----
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
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	-----	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

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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	10/19/2009	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	07/09/2012	75.10	NM	NM	NM	-----
GMW-3	10/15/2012	75.10	NM	NM	NM	-----
GMW-3	04/08/2013	75.10	NM	NM	NM	-----
GMW-3	06/14/2013	75.10	-----	29.98	-----	45.12
GMW-3	10/07/2013	75.10	NM	NM	NM	-----
GMW-3	04/14/2014	75.10	-----	30.55	-----	44.55
GMW-3	10/27/2014	75.10	-----	30.90	-----	44.20
GMW-4	05/28/1996	75.45	27.34	28.02	-----	NC
GMW-4	11/20/1996	75.45	28.25	28.32	-----	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	-----	NC
GMW-4	08/09/1999	75.45	26.65	26.70	-----	NC
GMW-4	11/15/1999	75.45	-----	27.04	-----	48.41
GMW-4	05/15/2000	75.45	-----	27.42	-----	48.03
GMW-4	11/13/2000	75.45	27.40	27.46	-----	NC
GMW-4	05/07/2001	75.45	-----	25.72	-----	49.73
GMW-4	09/18/2001	75.45	25.89	25.92	-----	NC
GMW-4	11/05/2001	75.45	26.01	26.02	-----	NC
GMW-4	04/08/2002	75.45	26.70	26.74	-----	NC
GMW-4	10/21/2002	75.45	27.56	27.59	-----	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	-----	NC
GMW-4	01/11/2004	75.45	NM	NM	NM	-----
GMW-4	04/19/2004	75.45	26.15	26.19	-----	NC
GMW-4	05/02/2005	75.45	22.30	22.31	-----	NC
GMW-4	10/31/2005	75.45	18.10	23.84	-----	NC
GMW-4	05/01/2006	75.45	23.98	24.08	-----	NC
GMW-4	12/04/2006	75.45	25.08	25.12	-----	NC
GMW-4	04/30/2007	75.45	-----	25.31	-----	50.14
GMW-4	11/12/2007	75.45	25.64	25.65	-----	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

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-4	10/19/2009	75.45	27.81	27.86	-----	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	-----	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	-----	NC
GMW-4	07/09/2012	75.45	NM	NM	NM	-----
GMW-4	04/08/2013	75.45	29.95	30.08	-----	NC
GMW-4	10/07/2013	75.45	30.33	30.43	-----	NC
GMW-4	04/14/2014	75.45	30.47	31.06	-----	NC
GMW-4	10/27/2014	75.45	31.32	31.34	-----	NC
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
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	-----	-----
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

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15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-5	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-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
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

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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	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-7	05/28/1996	75.84	27.21	32.89	-----	NC
GMW-7	07/01/1997	75.84	28.30	31.57	-----	NC
GMW-7	12/31/1997	75.84	28.30	32.10	-----	NC
GMW-7	05/01/1998	75.84	20.80	25.90	-----	NC
GMW-7	05/25/1999	75.84	26.18	30.37	-----	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	-----	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	-----	NC
GMW-7	10/06/2003	75.84	27.60	27.78	-----	NC
GMW-7	04/19/2004	75.84	29.05	29.17	-----	NC
GMW-7	11/01/2004	75.84	27.76	28.01	-----	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	-----	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

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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	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	-----	NC
GMW-7	04/07/2014	75.84	32.01	32.05	-----	NC
GMW-7	04/16/2014	75.84	31.88	31.92	-----	NC
GMW-7	10/27/2014	75.84	32.20	32.22	-----	NC
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	04/11/2011	73.20	NM	NM	NM	-----
GMW-8	10/10/2011	73.20	NM	NM	NM	-----
GMW-8	04/16/2012	73.20	NM	NM	NM	-----
GMW-8	07/09/2012	73.20	NM	NM	NM	-----
GMW-8	10/15/2012	73.20	NM	NM	NM	-----
GMW-8	04/08/2013	73.20	NM	NM	NM	-----
GMW-8	06/14/2013	73.20	-----	29.02	-----	44.18

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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-8	10/07/2013	73.20	NM	NM	NM	-----
GMW-8	04/14/2014	73.20	-----	29.60	-----	43.60
GMW-8	10/27/2014	73.20	-----	29.96	-----	43.24
GMW-9	08/07/2001	74.44	27.23	27.74	-----	NC
GMW-9	10/21/2002	74.44	28.95	28.97	-----	NC
GMW-9	04/07/2003	74.44	29.56	29.59	-----	NC
GMW-9	10/06/2003	74.44	28.14	28.30	-----	NC
GMW-9	01/11/2004	74.44	NM	NM	NM	-----
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	-----	NC
GMW-9	05/01/2006	74.44	25.65	25.86	-----	NC
GMW-9	12/04/2006	74.44	27.79	27.88	-----	NC
GMW-9	04/30/2007	74.44	-----	26.71	-----	47.73
GMW-9	11/12/2007	74.44	27.04	27.32	-----	NC
GMW-9	08/08/2008	74.44	27.96	28.01	-----	NC
GMW-9	10/16/2008	74.77	28.35	28.36	-----	NC
GMW-9	04/21/2009	74.44	-----	28.16	-----	46.28
GMW-9	10/19/2009	74.44	NM	NM	NM	-----
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	07/11/2011	74.44	NM	NM	NM	-----
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	-----	42.62
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	-----	NC
GMW-9	04/14/2014	77.16	31.65	37.66	-----	NC
GMW-9	10/27/2014	77.16	32.42	36.04	-----	NC
GMW-10	10/21/2002	74.67	-----	33.71	-----	40.96
GMW-10	11/04/2002	74.67	26.25	34.00	-----	NC
GMW-10	04/07/2003	74.67	26.47	26.47	-----	NC
GMW-10	10/06/2003	72.90	26.51	26.72	-----	NC
GMW-10	01/11/2004	74.67	NM	NM	NM	-----
GMW-10	04/19/2004	74.67	-----	28.42	-----	46.25
GMW-10	05/02/2005	74.67	21.16	27.53	-----	NC
GMW-10	10/31/2005	74.67	26.03	26.10	-----	NC
GMW-10	05/01/2006	74.67	23.65	24.18	-----	NC
GMW-10	12/04/2006	74.67	24.38	25.55	-----	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-10	04/30/2007	74.67	-----	25.90	-----	48.77
GMW-10	11/12/2007	74.67	25.02	25.82	-----	NC
GMW-10	04/14/2008	74.67	25.38	25.44	-----	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	07/09/2012	74.67	NM	NM	NM	-----
GMW-10	10/15/2012	74.67	29.02	29.15	-----	NC
GMW-10	04/08/2013	74.67	28.12	33.64	-----	NC
GMW-10	10/07/2013	-----	29.32	31.85	-----	NC
GMW-10	04/14/2014	73.35	29.01	29.43	-----	NC
GMW-10	10/27/2014	-----	29.12	30.19	-----	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	-----	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	01/11/2004	72.90	NM	NM	NM	-----
GMW-11	04/19/2004	72.90	-----	25.16	-----	47.74
GMW-11	05/02/2005	72.90	NM	NM	NM	-----
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
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	11/12/2007	72.90	NM	NM	NM	-----

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-11	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	07/09/2012	72.90	NM	NM	NM	-----
GMW-11	10/15/2012	72.90	-----	27.05	-----	45.85
GMW-11	04/08/2013	72.90	-----	27.92	-----	44.98
GMW-12	05/28/1996	75.21	27.36	28.02	-----	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	-----	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
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-12	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-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
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

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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-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	07/09/2012	74.17	NM	NM	NM	-----
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-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
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	05/24/2010	74.72	NM	NM	NM	-----
GMW-14	05/28/2010	74.72	NM	NM	NM	-----
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	07/09/2012	74.72	NM	NM	NM	-----
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

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Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-15	05/28/1996	76.21	28.71	29.16	-----	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	11/15/1999	76.21	NM	NM	NM	-----
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
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

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Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-15	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-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
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

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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-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-17	05/28/1996	74.66	26.65	30.51	-----	NC
GMW-17	11/20/1996	74.66	27.27	31.79	-----	NC
GMW-17	07/01/1997	74.66	27.38	32.71	-----	NC
GMW-17	12/31/1997	74.66	26.92	32.74	-----	NC
GMW-17	05/01/1998	74.66	25.04	25.19	-----	NC
GMW-17	05/25/1999	74.66	-----	27.06	-----	47.60
GMW-17	05/15/2000	74.66	25.13	25.18	-----	NC
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	-----	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

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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	04/12/2010	74.66	-----	25.83	-----	48.83
GMW-17	01/08/2011	74.66	NM	NM	NM	-----
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
GMW-18	11/20/1996	75.36	28.40	32.50	-----	NC
GMW-18	07/01/1997	75.36	27.70	31.50	-----	NC
GMW-18	12/31/1997	75.36	28.01	32.08	-----	NC
GMW-18	05/01/1998	75.36	18.61	24.64	-----	NC
GMW-18	05/25/1999	75.36	25.77	29.48	-----	NC
GMW-18	05/15/2000	75.36	26.28	30.35	-----	NC
GMW-18	11/18/2000	75.36	-----	28.77	-----	46.59
GMW-18	05/07/2001	75.36	24.80	29.70	-----	NC
GMW-18	04/08/2002	75.36	-----	27.74	-----	47.62
GMW-18	09/19/2002	75.36	27.97	28.02	-----	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	-----	NC
GMW-18	04/19/2004	75.36	-----	27.33	-----	48.03
GMW-18	11/01/2004	75.36	27.27	27.44	-----	NC
GMW-18	02/28/2005	75.36	23.85	23.87	-----	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

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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	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	-----	NC
GMW-18	04/08/2013	75.36	29.64	30.21	-----	NC
GMW-18	10/02/2013	75.36	30.24	32.17	-----	NC
GMW-18	04/07/2014	75.36	30.95	33.15	-----	NC
GMW-18	04/16/2014	75.36	30.92	33.08	-----	NC
GMW-18	10/27/2014	75.36	-----	31.13	-----	44.23
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

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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-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
GMW-19	04/12/2010	76.83	-----	29.16	-----	47.67
GMW-19	01/08/2011	76.83	NM	NM	NM	-----
GMW-19	07/08/2011	76.83	NM	NM	NM	-----
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-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	-----	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

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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	10/02/2013	75.10	-----	30.54	-----	44.56
GMW-20	04/09/2014	75.10	-----	31.18	-----	43.92
GMW-20	10/27/2014	75.10	-----	31.43	-----	43.67
GMW-21	05/28/1996	76.23	27.89	33.21	-----	NC
GMW-21	11/20/1996	76.23	28.95	33.05	-----	NC
GMW-21	07/01/1997	76.23	29.13	30.13	-----	NC
GMW-21	04/08/2002	76.23	-----	28.84	-----	47.39
GMW-21	10/06/2003	76.23	27.90	28.17	-----	NC
GMW-21	04/19/2004	76.23	29.14	29.57	-----	NC
GMW-21	11/01/2004	76.23	28.68	28.91	-----	NC
GMW-21	05/02/2005	76.23	23.79	24.56	-----	NC
GMW-21	05/01/2006	76.23	25.21	26.99	-----	NC
GMW-21	08/26/2006	76.23	25.54	25.79	-----	NC
GMW-21	12/01/2006	76.23	25.99	27.83	-----	NC
GMW-21	04/27/2007	76.23	-----	26.41	-----	49.82
GMW-21	11/09/2007	76.23	27.34	27.37	-----	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	10/01/2010	76.23	NM	NM	NM	-----
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	-----	NC
GMW-21	04/02/2013	76.23	30.66	30.73	-----	NC
GMW-21	04/08/2013	76.23	30.56	31.05	-----	NC
GMW-21	10/01/2013	76.23	31.32	32.00	-----	NC
GMW-21	04/07/2014	76.23	32.21	32.26	-----	NC
GMW-21	04/14/2014	76.23	32.22	32.29	-----	NC
GMW-21	10/27/2014	76.23	-----	32.52	-----	43.71
GMW-22	05/28/1996	74.17	29.75	34.31	-----	NC
GMW-22	11/20/1996	74.17	29.78	33.02	-----	NC
GMW-22	07/01/1997	74.17	30.91	34.32	-----	NC
GMW-22	12/31/1997	74.17	29.98	33.75	-----	NC
GMW-22	05/01/1998	74.17	19.13	26.55	-----	NC
GMW-22	08/09/1999	74.17	NM	NM	NM	-----
GMW-22	11/15/1999	74.17	NM	NM	NM	-----
GMW-22	05/15/2000	74.17	26.45	30.67	-----	NC
GMW-22	11/13/2000	74.17	28.67	31.82	-----	NC
GMW-22	05/07/2001	74.17	27.88	32.30	-----	NC

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Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-22	08/07/2001	74.17	25.78	29.76	-----	NC
GMW-22	11/05/2001	74.17	25.95	31.05	-----	NC
GMW-22	04/08/2002	74.17	26.55	26.59	-----	NC
GMW-22	04/07/2003	74.17	NM	NM	NM	-----
GMW-22	05/02/2005	74.17	23.09	26.46	-----	NC
GMW-22	10/31/2005	74.17	-----	27.80	-----	46.37
GMW-22	05/01/2006	74.17	24.70	24.94	-----	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	-----	NC
GMW-22	08/12/2008	74.17	-----	26.70	-----	47.47
GMW-22	10/31/2008	74.17	27.04	28.25	-----	NC
GMW-22	11/04/2008	74.17	-----	26.97	-----	47.20
GMW-22	04/21/2009	74.17	27.20	27.30	-----	NC
GMW-22	10/19/2009	74.17	NM	NM	NM	-----
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	07/09/2012	-----	NM	NM	NM	-----
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	-----	NC
GMW-22	04/14/2014	77.24	32.30	35.59	-----	NC
GMW-22	10/27/2014	77.24	32.41	35.74	-----	NC
GMW-23	05/28/1996	74.85	27.12	28.07	-----	NC
GMW-23	11/20/1996	74.85	26.66	28.42	-----	NC
GMW-23	07/01/1997	74.85	28.99	30.34	-----	NC
GMW-23	12/31/1997	74.85	28.04	28.92	-----	NC
GMW-23	05/01/1998	74.85	25.43	25.44	-----	NC
GMW-23	05/04/1999	74.85	26.65	27.09	-----	NC
GMW-23	08/09/1999	74.85	26.39	28.52	-----	NC
GMW-23	11/15/1999	74.85	26.79	29.60	-----	NC
GMW-23	05/15/2000	74.85	26.90	29.87	-----	NC
GMW-23	11/13/2000	74.85	27.00	31.18	-----	NC
GMW-23	05/07/2001	74.85	28.62	28.63	-----	NC
GMW-23	08/07/2001	74.85	25.54	26.07	-----	NC
GMW-23	11/05/2001	74.85	25.85	26.32	-----	NC
GMW-23	04/08/2002	74.85	26.40	26.81	-----	NC
GMW-23	10/21/2002	74.85	28.07	28.94	-----	NC
GMW-23	04/07/2003	74.85	26.67	26.70	-----	NC
GMW-23	10/06/2003	74.85	26.35	27.32	-----	NC
GMW-23	01/11/2004	74.85	NM	NM	NM	-----
GMW-23	04/19/2004	74.85	26.94	26.95	-----	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-23	05/02/2005	74.85	-----	23.34	-----	51.51
GMW-23	10/31/2005	74.85	26.08	26.13	-----	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	07/09/2012	74.85	NM	NM	NM	-----
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-24	08/07/2001	74.04	27.80	28.68	-----	NC
GMW-24	05/02/2005	74.04	25.49	25.70	-----	NC
GMW-24	10/31/2005	74.04	26.29	26.34	-----	NC
GMW-24	05/01/2006	74.04	26.07	27.29	-----	NC
GMW-24	12/04/2006	74.04	26.73	27.26	-----	NC
GMW-24	04/30/2007	74.04	-----	27.07	-----	46.97
GMW-24	11/12/2007	74.04	27.46	27.50	-----	NC
GMW-24	08/12/2008	74.04	NM	NM	NM	-----
GMW-24	10/17/2008	74.04	29.90	30.88	-----	NC
GMW-24	10/21/2008	74.04	28.30	29.64	-----	NC
GMW-24	04/21/2009	74.04	-----	29.91	-----	44.13
GMW-24	10/19/2009	74.04	NM	NM	NM	-----
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	-----	NC
GMW-24	07/09/2012	-----	NM	NM	NM	-----
GMW-24	04/08/2013	77.48	NM	NM	NM	-----
GMW-24	06/14/2013	77.48	32.40	33.35	-----	NC
GMW-24	10/07/2013	77.48	31.61	35.42	-----	NC
GMW-24	04/14/2014	77.48	32.01	37.74	-----	NC
GMW-24	10/27/2014	77.48	32.91	36.82	-----	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-25	05/28/1996	74.29	27.88	32.71	-----	NC
GMW-25	11/20/1996	74.29	27.75	31.91	-----	NC
GMW-25	07/01/1997	74.29	28.37	34.58	-----	NC
GMW-25	12/31/1997	74.29	27.86	33.59	-----	NC
GMW-25	05/01/1998	74.29	16.76	24.44	-----	NC
GMW-25	05/04/1999	74.29	26.58	30.40	-----	NC
GMW-25	08/09/1999	74.29	26.73	29.99	-----	NC
GMW-25	11/15/1999	74.29	27.75	28.95	-----	NC
GMW-25	05/15/2000	74.29	27.39	28.17	-----	NC
GMW-25	11/13/2000	74.29	27.97	29.52	-----	NC
GMW-25	05/07/2001	74.29	26.27	28.62	-----	NC
GMW-25	08/07/2001	74.29	25.73	28.14	-----	NC
GMW-25	11/05/2001	74.29	26.07	28.40	-----	NC
GMW-25	04/08/2002	74.29	27.00	27.07	-----	NC
GMW-25	10/21/2002	74.29	29.41	29.45	-----	NC
GMW-25	04/07/2003	74.29	NM	NM	NM	-----
GMW-25	05/02/2005	74.29	-----	24.78	-----	49.51
GMW-25	10/31/2005	74.29	25.41	25.47	-----	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	-----	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
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	07/09/2012	-----	NM	NM	NM	-----
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	-----	NC
GMW-25	04/14/2014	78.14	33.00	37.40	-----	NC
GMW-25	10/27/2014	78.14	33.95	34.78	-----	NC
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

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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	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
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	07/09/2012	74.52	NM	NM	NM	-----
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-27	05/28/1996	74.39	-----	27.00	-----	47.39
GMW-27	12/31/1997	74.39	27.76	28.43	-----	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

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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
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	07/11/2011	74.41	NM	NM	NM	-----
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-28	05/28/1996	74.62	-----	27.22	-----	47.40
GMW-28	11/20/1996	74.62	-----	27.86	-----	46.76

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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-28	07/01/1997	74.62	-----	29.03	-----	45.59
GMW-28	12/31/1997	74.62	28.00	28.65	-----	NC
GMW-28	05/01/1998	74.62	24.77	25.42	-----	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
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	04/30/2007	74.62	NM	NM	NM	-----
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	07/09/2012	74.68	NM	NM	NM	-----
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-29	05/28/1996	74.86	NM	NM	NM	-----
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	-----	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-29	05/01/1998	74.86	27.81	28.43	-----	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	11/15/1999	74.86	NM	NM	NM	-----
GMW-29	05/15/2000	74.86	NM	NM	NM	-----
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
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	07/09/2012	77.57	NM	NM	NM	-----
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

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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-29	10/27/2014	77.57	-----	32.42	-----	45.15
GMW-30	05/28/1996	74.91	26.69	29.41	-----	NC
GMW-30	11/20/1996	74.91	27.51	29.60	-----	NC
GMW-30	07/01/1997	74.91	28.96	30.32	-----	NC
GMW-30	12/31/1997	74.91	27.80	29.74	-----	NC
GMW-30	05/01/1998	74.91	19.11	24.27	-----	NC
GMW-30	05/04/1999	74.91	25.45	31.56	-----	NC
GMW-30	08/09/1999	74.91	25.76	30.10	-----	NC
GMW-30	11/15/1999	74.91	27.20	27.57	-----	NC
GMW-30	05/15/2000	74.91	27.27	27.60	-----	NC
GMW-30	11/13/2000	74.91	26.55	26.59	-----	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	-----	NC
GMW-30	04/08/2002	74.91	26.35	26.53	-----	NC
GMW-30	10/21/2002	74.91	27.32	27.51	-----	NC
GMW-30	04/07/2003	74.91	26.75	26.77	-----	NC
GMW-30	10/06/2003	74.91	26.45	26.51	-----	NC
GMW-30	01/11/2004	74.91	27.91	27.97	-----	NC
GMW-30	04/19/2004	74.91	27.49	27.60	-----	NC
GMW-30	05/10/2005	74.91	-----	23.63	-----	51.28
GMW-30	10/31/2005	74.91	-----	26.71	-----	-----
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	07/11/2011	74.91	NM	NM	NM	-----
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

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GMW-30	10/07/2013	74.91	-----	30.32	-----	44.59
GMW-30	04/14/2014	74.91	-----	30.60	-----	44.31
GMW-30	10/27/2014	74.91	30.12	33.74	-----	NC
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
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
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15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-31	10/27/2014	76.50	-----	32.88	-----	43.62
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
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

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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-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-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
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-33	04/07/2011	74.88	NM	NM	NM	-----
GMW-33	10/06/2011	74.88	NM	NM	NM	-----
GMW-33	04/12/2012	74.88	NM	NM	NM	-----
GMW-33	01/10/2013	74.88	NM	NM	NM	-----
GMW-33	04/03/2013	74.88	NM	NM	NM	-----
GMW-33	10/02/2013	74.88	NM	NM	NM	-----
GMW-33	04/09/2014	74.88	NM	NM	NM	-----
GMW-33	10/27/2014	74.88	NM	NM	NM	-----

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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-34	05/28/1996	75.25	26.83	30.96	-----	NC
GMW-34	11/20/1996	75.25	27.69	31.87	-----	NC
GMW-34	07/01/1997	75.25	28.10	32.06	-----	NC
GMW-34	12/31/1997	75.25	27.88	31.81	-----	NC
GMW-34	05/01/1998	75.25	25.66	25.92	-----	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	11/12/2007	75.25	NM	NM	NM	-----
GMW-34	04/11/2008	75.25	NM	NM	NM	-----
GMW-34	10/14/2008	75.25	NM	NM	NM	-----
GMW-34	10/01/2010	75.25	-----	27.85	-----	47.40
GMW-34	04/12/2012	75.25	NM	NM	NM	-----
GMW-35	05/28/1996	76.12	27.54	32.06	-----	NC
GMW-35	11/20/1996	76.12	28.69	33.01	-----	NC
GMW-35	07/01/1997	76.12	27.75	31.38	-----	NC
GMW-35	12/31/1997	76.12	28.10	32.18	-----	NC
GMW-35	05/01/1998	76.12	24.97	25.28	-----	NC
GMW-35	05/25/1999	76.12	26.93	27.65	-----	NC
GMW-35	05/15/2000	76.12	27.67	28.26	-----	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	-----	NC
GMW-35	10/21/2002	76.12	-----	29.03	-----	47.09
GMW-35	04/07/2003	76.12	28.10	28.15	-----	NC
GMW-35	10/06/2003	76.12	-----	27.58	-----	48.54
GMW-35	04/19/2004	76.12	28.46	28.49	-----	NC
GMW-35	11/01/2004	76.12	28.71	28.78	-----	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

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Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-35	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	-----	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	-----	NC
GMW-35	04/12/2012	76.12	29.44	29.51	-----	NC
GMW-35	04/20/2012	76.12	-----	29.38	-----	46.74
GMW-35	04/05/2013	76.12	30.61	30.83	-----	NC
GMW-35	04/08/2013	76.12	30.58	30.80	-----	NC
GMW-35	10/02/2013	76.12	31.38	31.71	-----	NC
GMW-35	04/09/2014	76.12	31.95	31.97	-----	NC
GMW-35	04/16/2014	76.12	31.95	32.15	-----	NC
GMW-35	10/27/2014	76.12	32.16	32.18	-----	NC
GMW-36	05/28/1996	74.53	25.71	26.88	-----	NC
GMW-36	11/20/1996	74.53	26.56	26.82	-----	NC
GMW-36	07/01/1997	74.53	25.09	25.71	-----	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
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	-----	NC
GMW-36	11/04/2002	74.53	25.55	29.05	-----	NC
GMW-36	01/27/2003	74.53	26.75	28.02	-----	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-36	04/07/2003	74.53	26.63	27.47	-----	NC
GMW-36	05/02/2005	74.53	20.03	21.23	-----	NC
GMW-36	10/31/2005	74.53	22.69	22.73	-----	NC
GMW-36	05/01/2006	74.53	22.80	22.91	-----	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	-----	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	-----	NC
GMW-36	10/16/2008	74.77	26.09	26.11	-----	NC
GMW-36	04/20/2009	74.53	25.59	25.63	-----	NC
GMW-36	07/20/2009	74.53	-----	25.90	-----	48.63
GMW-36	10/19/2009	74.53	26.45	26.56	-----	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	-----	NC
GMW-36	05/28/2010	74.53	25.88	25.94	-----	NC
GMW-36	06/22/2010	74.53	25.91	25.94	-----	NC
GMW-36	07/12/2010	74.53	NM	NM	NM	-----
GMW-36	08/12/2010	74.53	NM	NM	NM	-----
GMW-36	09/20/2010	74.53	NM	NM	NM	-----
GMW-36	10/04/2010	74.53	-----	26.90	-----	47.63
GMW-36	11/23/2010	74.53	27.10	27.35	-----	NC
GMW-36	12/22/2010	74.53	26.84	28.35	-----	NC
GMW-36	01/10/2011	74.53	27.70	29.10	-----	NC
GMW-36	02/24/2011	74.53	NM	NM	NM	-----
GMW-36	03/23/2011	74.53	NM	NM	NM	-----
GMW-36	04/12/2011	74.53	25.05	26.98	-----	NC
GMW-36	05/13/2011	74.53	NM	NM	NM	-----
GMW-36	06/22/2011	74.53	NM	NM	NM	-----
GMW-36	07/11/2011	74.53	NM	NM	NM	-----
GMW-36	08/19/2011	74.53	NM	NM	NM	-----
GMW-36	09/22/2011	74.53	NM	NM	NM	-----
GMW-36	10/10/2011	74.53	-----	25.96	-----	48.57
GMW-36	11/28/2011	74.53	NM	NM	NM	-----
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	03/28/2012	74.53	NM	NM	NM	-----
GMW-36	04/16/2012	74.53	-----	27.34	-----	47.19
GMW-36	05/25/2012	74.53	NM	NM	NM	-----

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GMW-36	06/15/2012	-----	-----	33.27	-----	-----
GMW-36	07/09/2012	-----	-----	33.71	-----	-----
GMW-36	08/29/2012	-----	NM	NM	NM	-----
GMW-36	09/26/2012	-----	NM	NM	NM	-----
GMW-36	10/15/2012	76.66	-----	32.11	-----	44.55
GMW-36	11/29/2012	76.66	31.68	33.93	-----	NC
GMW-36	12/26/2012	76.66	30.36	34.86	-----	NC
GMW-36	01/14/2013	76.66	30.42	34.12	-----	NC
GMW-36	02/20/2013	76.66	NM	NM	NM	-----
GMW-36	04/10/2013	76.66	29.75	32.42	-----	NC
GMW-36	10/07/2013	76.66	30.72	34.65	-----	NC
GMW-36	04/25/2014	76.66	31.12	34.71	-----	NC
GMW-36	10/27/2014	76.66	31.79	33.02	-----	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
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
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-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	07/11/2011	77.32	NM	NM	NM	-----
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-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
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

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-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
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

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-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
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	10/27/2014	75.05	-----	30.73	-----	44.32

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-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
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	01/07/2011	73.13	NM	NM	NM	-----
GMW-40	04/11/2011	73.13	NM	NM	NM	-----
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-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

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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-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
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	04/11/2011	74.46	NM	NM	NM	-----
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	-----	NC
GMW-41	04/15/2014	74.46	31.05	31.14	-----	NC
GMW-41	10/27/2014	74.46	-----	30.78	-----	43.68
GMW-42	05/28/1996	75.50	27.89	29.36	-----	NC
GMW-42	11/20/1996	75.50	28.87	29.55	-----	NC
GMW-42	07/01/1997	75.50	29.06	29.52	-----	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

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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-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
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-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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
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	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
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-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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-44	04/20/2009	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
GMW-44	01/07/2011	74.45	-----	27.47	-----	46.98
GMW-44	04/08/2011	74.45	-----	26.05	-----	48.40
GMW-44	07/08/2011	74.45	NM	NM	NM	-----
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-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
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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-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	-----	NC
GMW-45	04/09/2014	75.67	31.67	31.69	-----	NC
GMW-45	04/15/2014	75.67	31.68	31.95	-----	NC
GMW-45	10/27/2014	75.67	-----	32.01	-----	43.66
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
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-47	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	04/07/2010	75.98	NM	NM	NM	-----
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-48	05/28/1996	75.03	-----	27.40	-----	47.63
GMW-48	11/20/1996	75.03	-----	28.40	-----	46.63
GMW-48	07/01/1997	75.03	27.11	27.58	-----	NC
GMW-48	12/31/1997	75.03	27.37	29.58	-----	NC
GMW-48	05/01/1998	75.03	23.63	24.46	-----	NC
GMW-48	05/26/1999	75.03	25.72	27.01	-----	NC
GMW-48	05/15/2000	75.03	26.31	26.49	-----	NC
GMW-48	11/13/2000	75.03	-----	27.21	-----	47.82
GMW-48	05/07/2001	75.03	25.65	26.10	-----	NC
GMW-48	04/08/2002	75.03	NM	NM	NM	-----
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	-----	NC

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HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
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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-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-49	07/01/1997	74.75	NM	NM	NM	-----
GMW-50	05/25/1999	75.51	-----	26.36	-----	49.15
GMW-50	05/15/2000	75.51	-----	27.34	-----	-----
GMW-50	05/07/2001	75.51	25.95	26.26	-----	NC
GMW-50	04/08/2002	75.51	NM	NM	NM	-----
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

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HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-50	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-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	-----	NC
GMW-51	04/08/2002	75.93	NM	NM	NM	-----
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
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

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

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-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	-----	-----
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
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

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-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	-----	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	11/20/1996	75.16	NM	NM	NM	-----
GMW-54	07/01/1997	75.16	NM	NM	NM	-----
GMW-54	12/31/1997	75.16	NM	NM	NM	-----
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
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-55	05/25/1999	74.60	-----	26.11	-----	48.49

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-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
GMW-55	04/12/2012	74.60	NM	NM	NM	-----
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-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-58	07/08/2011	75.48	-----	26.46	-----	49.02
GMW-58	10/06/2011	75.48	-----	27.11	-----	48.37

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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	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-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	-----	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-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

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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-60	04/12/2010	76.24	-----	28.04	-----	48.20
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-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
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

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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-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-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	-----	NC
GMW-62	04/07/2011	76.34	26.89	28.57	-----	NC
GMW-62	07/07/2011	76.34	28.03	28.14	-----	NC
GMW-62	10/06/2011	76.34	28.45	29.39	-----	NC
GMW-62	01/09/2012	76.34	28.97	29.02	-----	NC
GMW-62	04/12/2012	76.34	29.58	29.68	-----	NC
GMW-62	04/18/2012	76.34	29.40	29.46	-----	NC
GMW-62	01/11/2013	76.34	-----	30.62	-----	45.72
GMW-62	04/03/2013	76.34	30.42	31.36	-----	NC
GMW-62	04/08/2013	76.34	30.35	32.13	-----	NC
GMW-62	10/02/2013	76.34	31.00	32.33	-----	NC
GMW-62	04/09/2014	76.34	31.02	33.50	-----	NC
GMW-62	04/15/2014	76.34	31.02	33.71	-----	NC
GMW-62	10/27/2014	76.34	32.14	37.77	-----	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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
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-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	04/14/2014	77.32	-----	32.02	-----	45.30
GMW-63	10/27/2014	77.32	-----	32.51	-----	44.81
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
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-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

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15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-65	04/12/2012	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-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-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
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

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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-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
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

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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-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
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

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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-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-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
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

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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	08/15/2008	74.93	NM	NM	NM	-----
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
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-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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
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	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
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	07/09/2012	71.95	NM	NM	NM	-----
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 (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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-O-4 (MID)	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
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)	07/09/2012	72.24	NM	NM	NM	-----
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

APPENDIX C
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15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-O-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
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	07/09/2012	72.36	NM	NM	NM	-----
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-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
GMW-O-6	10/21/2002	71.41	-----	22.67	-----	48.74

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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	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	07/09/2012	71.41	NM	NM	NM	-----
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-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
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

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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-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	07/09/2012	70.98	NM	NM	NM	-----
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-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
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-O-8	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	07/09/2012	70.91	NM	NM	NM	-----
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-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
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

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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-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	07/11/2011	73.50	NM	NM	NM	-----
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-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
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

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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-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	07/11/2011	73.98	NM	NM	NM	-----
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-11	04/08/2002	74.17	-----	23.96	-----	50.21
GMW-O-11	04/07/2003	74.17	NM	NM	NM	-----
GMW-O-11	10/06/2003	74.17	NM	NM	NM	-----
GMW-O-11	01/11/2004	74.17	NM	NM	NM	-----
GMW-O-11	04/19/2004	74.17	-----	27.40	-----	46.77
GMW-O-11	05/02/2005	74.17	22.46	22.48	-----	NC
GMW-O-11	10/31/2005	74.17	21.73	21.92	-----	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	-----	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	-----	NC
GMW-O-11	10/19/2009	74.17	NM	NM	NM	-----
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	04/16/2012	74.17	NM	NM	NM	-----
GMW-O-11	07/09/2012	74.17	NM	NM	NM	-----
GMW-O-11	10/15/2012	74.17	-----	28.12	-----	46.05
GMW-O-11	04/08/2013	74.17	NM	NM	NM	-----
GMW-O-11	10/07/2013	74.17	27.69	31.19	-----	NC
GMW-O-11	04/25/2014	74.17	28.62	28.96	-----	NC
GMW-O-11	10/27/2014	74.17	28.89	31.28	-----	NC
GMW-O-12	12/31/1997	73.49	25.45	31.02	-----	NC
GMW-O-12	05/01/1998	73.49	19.94	22.69	-----	NC
GMW-O-12	05/04/1999	73.49	22.99	24.63	-----	NC
GMW-O-12	08/09/1999	73.49	NM	NM	NM	-----

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15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-O-12	11/15/1999	73.49	NM	NM	NM	-----
GMW-O-12	05/15/2000	73.49	NM	NM	NM	-----
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	04/07/2003	73.49	NM	NM	NM	-----
GMW-O-12	10/06/2003	73.49	-----	24.82	-----	48.67
GMW-O-12	01/11/2004	73.49	NM	NM	NM	-----
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
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	-----	NC
GMW-O-12	04/11/2011	73.49	-----	24.04	-----	49.45
GMW-O-12	07/11/2011	73.49	NM	NM	NM	-----
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	-----	NC
GMW-O-12	01/14/2013	73.49	25.58	25.62	-----	NC
GMW-O-12	04/08/2013	73.49	26.51	26.60	-----	NC
GMW-O-12	10/07/2013	73.49	27.28	27.34	-----	NC
GMW-O-12	04/14/2014	73.49	26.80	30.34	-----	NC
GMW-O-12	10/27/2014	73.49	26.90	31.28	-----	NC
GMW-O-13	05/28/1996	74.19	25.84	27.69	-----	NC
GMW-O-13	11/20/1996	74.19	26.48	28.92	-----	NC
GMW-O-13	07/01/1997	74.19	26.55	28.87	-----	NC
GMW-O-13	12/31/1997	74.19	26.83	28.91	-----	NC
GMW-O-13	05/01/1998	74.19	22.55	23.06	-----	NC
GMW-O-13	05/04/1999	74.19	24.46	25.78	-----	NC
GMW-O-13	08/09/1999	74.19	-----	25.20	-----	48.99
GMW-O-13	11/15/1999	74.19	NM	NM	NM	-----

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GMW-O-13	05/15/2000	74.19	NM	NM	NM	-----
GMW-O-13	11/13/2000	74.19	NM	NM	NM	-----
GMW-O-13	05/07/2001	74.19	NM	NM	NM	-----
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	-----	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	11/15/1999	74.08	NM	NM	NM	-----
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
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	-----	-----
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

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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
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-15	05/28/1996	74.23	24.19	30.19	-----	NC
GMW-O-15	11/20/1996	74.23	25.30	30.52	-----	NC
GMW-O-15	08/09/1999	74.23	NM	NM	NM	-----
GMW-O-15	11/15/1999	74.23	NM	NM	NM	-----
GMW-O-15	05/15/2000	74.23	-----	27.10	-----	47.13
GMW-O-15	11/13/2000	74.23	NM	NM	NM	-----
GMW-O-15	05/07/2001	74.23	22.62	24.58	-----	NC
GMW-O-15	11/05/2001	74.23	NM	NM	NM	-----
GMW-O-15	04/08/2002	74.23	23.02	27.51	-----	NC
GMW-O-15	10/21/2002	74.23	24.52	24.71	-----	NC
GMW-O-15	04/07/2003	74.23	NM	NM	NM	-----
GMW-O-15	05/02/2005	74.23	21.01	21.15	-----	NC
GMW-O-15	10/31/2005	74.23	22.10	22.25	-----	NC
GMW-O-15	05/22/2006	74.23	21.89	22.31	-----	NC
GMW-O-15	12/04/2006	74.23	22.86	22.91	-----	NC
GMW-O-15	04/30/2007	74.23	23.30	23.41	-----	NC
GMW-O-15	11/12/2007	74.23	23.85	23.95	-----	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	-----	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	-----	NC
GMW-O-15	07/20/2009	74.23	24.94	24.99	-----	NC
GMW-O-15	10/19/2009	74.23	25.43	25.55	-----	NC
GMW-O-15	03/15/2010	74.23	NM	NM	NM	-----
GMW-O-15	04/16/2010	74.23	-----	23.10	-----	51.13

APPENDIX C
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Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-O-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	07/12/2010	74.23	NM	NM	NM	-----
GMW-O-15	08/12/2010	74.23	NM	NM	NM	-----
GMW-O-15	09/20/2010	74.23	NM	NM	NM	-----
GMW-O-15	10/04/2010	74.23	25.80	25.85	-----	NC
GMW-O-15	11/23/2010	74.23	NM	NM	NM	-----
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	02/24/2011	74.23	NM	NM	NM	-----
GMW-O-15	03/23/2011	74.23	NM	NM	NM	-----
GMW-O-15	04/12/2011	74.23	22.53	22.55	-----	NC
GMW-O-15	05/13/2011	74.23	NM	NM	NM	-----
GMW-O-15	06/22/2011	74.23	NM	NM	NM	-----
GMW-O-15	07/11/2011	74.23	NM	NM	NM	-----
GMW-O-15	08/19/2011	74.23	NM	NM	NM	-----
GMW-O-15	09/22/2011	74.23	NM	NM	NM	-----
GMW-O-15	10/10/2011	74.23	23.22	23.79	-----	NC
GMW-O-15	11/28/2011	74.23	NM	NM	NM	-----
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
GMW-O-15	03/28/2012	74.23	-----	30.30	-----	43.93
GMW-O-15	04/16/2012	74.23	26.51	26.56	-----	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	08/29/2012	74.23	NM	NM	NM	-----
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	11/29/2012	74.23	NM	NM	NM	-----
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	02/20/2013	74.23	NM	NM	NM	-----
GMW-O-15	04/10/2013	74.23	NM	NM	NM	-----
GMW-O-15	04/26/2013	74.23	-----	27.90	-----	46.33
GMW-O-15	10/07/2013	74.23	28.26	29.03	-----	NC
GMW-O-15	04/18/2014	74.23	28.08	28.40	-----	NC
GMW-O-15	10/27/2014	74.23	-----	30.26	-----	43.97
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

APPENDIX C
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15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-O-16	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
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

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15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-O-16	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
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-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

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Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GMW-O-17	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
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	07/11/2011	73.78	NM	NM	NM	-----
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-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	11/13/2000	74.36	NM	NM	NM	-----
GMW-O-18	05/07/2001	74.36	-----	24.10	-----	50.26
GMW-O-18	09/18/2001	74.36	NM	NM	NM	-----
GMW-O-18	11/05/2001	74.36	NM	NM	NM	-----
GMW-O-18	01/29/2002	74.36	NM	NM	NM	-----
GMW-O-18	04/08/2002	74.36	24.81	24.81	-----	NC
GMW-O-18	04/07/2003	74.36	NM	NM	NM	-----
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

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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
GMW-O-18	06/22/2010	74.36	-----	26.41	-----	47.95
GMW-O-18	07/12/2010	74.36	NM	NM	NM	-----
GMW-O-18	08/12/2010	74.36	NM	NM	NM	-----
GMW-O-18	09/20/2010	74.36	NM	NM	NM	-----
GMW-O-18	10/04/2010	74.36	-----	29.95	-----	44.41
GMW-O-18	11/16/2010	74.36	NM	NM	NM	-----
GMW-O-18	12/22/2010	74.36	NM	NM	NM	-----
GMW-O-18	01/10/2011	74.36	NM	NM	NM	-----
GMW-O-18	02/24/2011	74.36	NM	NM	NM	-----
GMW-O-18	03/23/2011	74.36	NM	NM	NM	-----
GMW-O-18	04/12/2011	74.36	NM	NM	NM	-----
GMW-O-18	05/13/2011	74.36	NM	NM	NM	-----
GMW-O-18	06/22/2011	74.36	NM	NM	NM	-----
GMW-O-18	07/11/2011	74.36	NM	NM	NM	-----
GMW-O-18	08/19/2011	74.36	NM	NM	NM	-----
GMW-O-18	09/22/2011	74.36	NM	NM	NM	-----
GMW-O-18	10/10/2011	74.36	-----	23.68	-----	50.68
GMW-O-18	11/28/2011	74.36	NM	NM	NM	-----
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	03/28/2012	74.36	NM	NM	NM	-----
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	08/29/2012	74.36	NM	NM	NM	-----
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	11/29/2012	74.36	NM	NM	NM	-----
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	02/20/2013	74.36	NM	NM	NM	-----
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	-----	NC

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GMW-O-18	10/27/2014	74.36	29.52	29.95	-----	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	11/13/2000	74.46	NM	NM	NM	-----
GMW-O-19	05/07/2001	74.46	NM	NM	NM	-----
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
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

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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-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
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-20	05/07/2001	73.34	-----	22.15	-----	51.19
GMW-O-20	04/07/2003	73.34	NM	NM	NM	-----
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	10/19/2009	73.32	NM	NM	NM	-----
GMW-O-20	10/04/2010	73.32	31.10	31.20	-----	NC
GMW-O-20	04/11/2011	73.32	-----	23.82	-----	49.50
GMW-O-20	07/11/2011	73.32	NM	NM	NM	-----
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	-----	NC

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GMW-O-20	01/14/2013	73.32	32.93	32.98	-----	NC
GMW-O-20	04/08/2013	73.32	26.46	29.63	-----	NC
GMW-O-20	10/07/2013	73.32	27.06	32.09	-----	NC
GMW-O-20	04/25/2014	73.32	28.40	28.48	-----	NC
GMW-O-20	10/27/2014	73.32	27.76	30.70	-----	NC
GMW-O-21	11/15/1999	73.49	NM	NM	NM	-----
GMW-O-21	11/19/1999	73.49	NM	NM	NM	-----
GMW-O-21	04/07/2003	73.49	NM	NM	NM	-----
GMW-O-21	10/06/2003	73.49	-----	22.60	-----	50.89
GMW-O-21	08/15/2008	73.94	NM	NM	NM	-----
GMW-O-21	10/17/2008	73.94	-----	26.00	-----	47.94
GMW-O-21	10/19/2009	71.43	NM	NM	NM	-----
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	04/16/2012	71.43	NM	NM	NM	-----
GMW-O-21	07/09/2012	71.43	NM	NM	NM	-----
GMW-O-21	10/15/2012	71.43	-----	32.50	-----	38.93
GMW-O-21	04/08/2013	71.43	NM	NM	NM	-----
GMW-O-21	10/07/2013	71.43	NM	NM	NM	-----
GMW-O-21	04/14/2014	71.43	28.61	28.65	-----	NC
GMW-O-21	10/27/2014	71.43	28.93	29.75	-----	NC
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	10/19/2009	73.63	NM	NM	NM	-----
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	07/11/2011	73.63	NM	NM	NM	-----
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	-----	NC
GMW-O-23	10/07/2013	73.63	28.30	32.86	-----	NC
GMW-O-23	04/25/2014	73.63	29.66	29.81	-----	NC
GMW-O-23	10/27/2014	73.63	28.80	32.51	-----	NC
GMW-O-24	10/15/2012	74.39	-----	27.90	-----	46.49
GMW-O-24	04/08/2013	74.39	-----	28.53	-----	45.86

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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-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
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

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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-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	07/09/2012	75.26	NM	NM	NM	-----
GMW-SF-7	10/15/2012	75.26	-----	28.93	-----	46.33
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-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
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

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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	07/11/2011	76.75	NM	NM	NM	-----
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-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	07/09/2012	73.00	NM	NM	NM	-----
GMW-SF-9	10/15/2012	73.05	-----	34.21	-----	38.79
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-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	07/09/2012	75.77	NM	NM	NM	-----
GMW-SF-10	10/15/2012	75.77	-----	29.88	-----	45.89
GMW-SF-10	04/08/2013	75.77	NM	NM	NM	-----
GW-1	05/01/1998	75.00	-----	27.17	-----	47.83
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

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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-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
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	11/12/2007	75.78	NM	NM	NM	-----
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
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	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-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
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

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	04/15/2014	75.79	-----	31.92	-----	43.87
GW-3	10/27/2014	75.79	-----	32.34	-----	43.45
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	12/01/2006	74.77	NM	NM	NM	-----
GW-4	04/30/2007	74.77	NM	NM	NM	-----
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
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	10/01/2010	73.86	NM	NM	NM	-----
GW-4	01/06/2011	73.86	NM	NM	NM	-----
GW-4	04/06/2011	73.86	NM	NM	NM	-----
GW-4	07/08/2011	73.86	NM	NM	NM	-----
GW-4	04/12/2012	73.86	NM	NM	NM	-----
GW-4	01/10/2013	73.86	NM	NM	NM	-----
GW-4	04/02/2013	73.86	NM	NM	NM	-----
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
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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-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-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
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	-----	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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
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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	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-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
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	11/12/2007	76.46	NM	NM	NM	-----
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	04/12/2012	75.02	NM	NM	NM	-----
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-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

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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-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
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-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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
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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	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
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(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	-----	46.93
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(1in)	01/12/2010	76.55	-----	29.84	-----	46.71
GW-15	04/11/2008	74.94	-----	26.19	-----	48.75
GW-15	10/19/2009	74.94	NM	NM	NM	-----
GW-15	04/12/2010	74.94	27.58	29.63	-----	NC
GW-15	04/08/2011	74.94	26.75	26.76	-----	NC
GW-15	07/07/2011	74.94	27.57	27.61	-----	NC
GW-15	10/06/2011	74.94	28.38	28.40	-----	NC
GW-15	04/12/2012	74.94	29.54	29.55	-----	NC
GW-15	01/11/2013	74.94	-----	30.39	-----	44.55
GW-15	04/03/2013	74.94	29.13	35.20	-----	NC
GW-15	10/02/2013	74.94	31.70	35.01	-----	NC
GW-15	04/09/2014	74.94	-----	32.08	-----	42.86

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
Defense Fuel Support Point Norwalk
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Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
GW-15	04/17/2014	74.94	31.50	33.00	-----	NC
GW-15	10/27/2014	74.94	32.82	32.87	-----	NC
GW-15(1in)	07/24/2008	75.36	27.50	27.55	-----	NC
GW-15(1in)	10/16/2008	75.36	28.15	28.16	-----	NC
GW-15(1in)	02/09/2009	75.36	27.98	28.02	-----	NC
GW-15(1in)	07/17/2009	75.36	28.51	28.59	-----	NC
GW-15(1in)	04/08/2010	75.36	27.74	29.43	-----	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(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
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	04/19/2004	73.65	NM	NM	NM	-----
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

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)
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	07/09/2012	77.40	NM	NM	NM	-----
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-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	-----	NC
GWR-3	11/15/1999	74.93	NM	NM	NM	-----
GWR-3	05/15/2000	74.93	28.67	31.92	-----	NC
GWR-3	11/13/2000	74.93	-----	37.59	-----	37.34
GWR-3	05/07/2001	74.93	28.15	27.20	-----	NC
GWR-3	11/05/2001	74.93	-----	27.95	-----	46.98
GWR-3	04/08/2002	74.93	-----	27.58	-----	47.35
GWR-3	04/07/2003	74.93	NM	NM	NM	-----
GWR-3	05/02/2005	74.93	-----	26.12	-----	48.81
GWR-3	10/31/2005	74.93	NM	NM	NM	-----
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	10/19/2009	74.93	NM	NM	NM	-----
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	07/09/2012	-----	NM	NM	NM	-----

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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)
GWR-3	10/15/2012	77.60	-----	31.21	-----	46.39
GWR-3	04/08/2013	77.60	29.18	29.21	-----	NC
GWR-3	10/07/2013	77.60	31.67	36.20	-----	NC
GWR-3	04/14/2014	77.60	32.23	38.80	-----	NC
GWR-3	10/27/2014	77.60	33.49	34.68	-----	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
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	01/11/2004	76.94	NM	NM	NM	-----
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

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)
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	07/11/2011	76.94	NM	NM	NM	-----
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-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

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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)
HL-3	07/09/2012	76.86	NM	NM	NM	-----
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	10/27/2014	76.86	-----	32.93	-----	43.93
HL-4	05/28/1996	75.75	NM	NM	NM	-----
HL-4	11/20/1996	75.75	NM	NM	NM	-----
HL-4	07/01/1997	75.75	NM	NM	NM	-----
HL-4	12/31/1997	75.75	NM	NM	NM	-----
HL-4	05/01/1998	75.75	NM	NM	NM	-----
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	08/07/2001	75.75	NM	NM	NM	-----
HL-4	11/05/2001	75.75	-----	26.90	-----	48.85
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

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Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
MW-6	04/08/2002	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
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	07/09/2012	77.20	NM	NM	NM	-----
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-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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
MW-7	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
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	07/09/2012	78.13	NM	NM	NM	-----
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-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	11/05/2001	76.06	NM	NM	NM	-----
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
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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-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
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	07/11/2011	76.06	NM	NM	NM	-----
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-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	-----	NC
MW-9	11/15/1999	77.11	-----	28.58	-----	48.53
MW-9	11/19/1999	77.11	NM	NM	NM	-----
MW-9	11/13/2000	77.11	28.92	28.94	-----	NC
MW-9	05/07/2001	77.11	-----	24.26	-----	52.85

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
MW-9	05/10/2001	77.11	-----	27.13	-----	49.98
MW-9	09/18/2001	77.11	27.49	27.50	-----	NC
MW-9	11/05/2001	77.11	-----	27.59	-----	49.52
MW-9	04/08/2002	77.11	28.21	28.30	-----	NC
MW-9	10/21/2002	77.11	29.10	29.16	-----	NC
MW-9	04/07/2003	77.11	28.41	28.42	-----	NC
MW-9	10/06/2003	77.11	28.47	28.48	-----	NC
MW-9	01/11/2004	77.11	-----	29.63	-----	47.48
MW-9	04/19/2004	77.11	27.50	27.53	-----	NC
MW-9	05/02/2005	77.11	-----	23.61	-----	53.50
MW-9	10/31/2005	77.11	25.31	25.62	-----	NC
MW-9	05/01/2006	77.11	25.71	25.75	-----	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	-----	NC
MW-9	11/12/2007	77.11	27.65	27.69	-----	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	-----	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	07/09/2012	77.11	NM	NM	NM	-----
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-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
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
MW-10	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	-----	-----
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-11	05/28/1996	78.17	27.63	30.52	-----	NC
MW-11	11/20/1996	78.17	31.31	33.60	-----	NC
MW-11	07/01/1997	78.17	31.89	34.15	-----	NC
MW-11	12/31/1997	78.17	31.42	33.49	-----	NC
MW-11	05/01/1998	78.17	26.96	28.75	-----	NC
MW-11	05/25/1999	78.17	29.93	29.95	-----	NC
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
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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-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
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

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HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
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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-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	07/09/2012	75.76	NM	NM	NM	-----
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-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
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
MW-13	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
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-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	NM	NM	NM	-----
MW-14	05/07/2001	78.60	-----	30.55	-----	48.05

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
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	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
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
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	10/27/2014	78.60	-----	35.03	-----	43.57
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
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	-----	NC
MW-15	04/07/2003	76.99	28.51	28.52	-----	NC
MW-15	10/06/2003	76.99	28.38	28.39	-----	NC
MW-15	01/11/2004	76.99	29.55	29.64	-----	NC
MW-15	04/19/2004	76.99	27.60	27.61	-----	NC
MW-15	05/02/2005	76.99	22.88	22.93	-----	NC
MW-15	10/31/2005	76.99	27.60	27.81	-----	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	-----	NC
MW-15	04/14/2008	76.99	27.40	28.37	-----	NC
MW-15	04/14/2008	76.99	27.33	28.31	-----	NC
MW-15	10/13/2008	76.99	-----	29.05	-----	47.94
MW-15	04/20/2009	76.99	28.24	28.98	-----	NC
MW-15	10/19/2009	76.99	29.21	30.37	-----	NC
MW-15	05/24/2010	76.99	28.60	29.49	-----	NC
MW-15	05/28/2010	76.99	28.57	29.46	-----	NC
MW-15	10/04/2010	76.99	29.14	30.19	-----	NC
MW-15	04/11/2011	76.99	28.16	28.62	-----	NC
MW-15	10/10/2011	76.99	28.59	29.30	-----	47.69
MW-15	04/27/2012	76.99	-----	31.50	-----	45.49
MW-15	07/09/2012	76.99	NM	NM	NM	-----
MW-15	10/15/2012	76.99	31.36	32.38	-----	NC
MW-15	04/08/2013	76.99	31.44	32.40	-----	NC
MW-15	10/07/2013	76.99	31.87	32.18	-----	NC
MW-15	04/14/2014	76.99	32.59	32.70	-----	NC
MW-15	10/27/2014	76.99	-----	33.33	-----	43.66
MW-16	05/28/1996	76.87	-----	28.85	-----	48.02

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
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	11/20/1996	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
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
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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-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
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	10/27/2014	76.87	-----	32.84	-----	44.03
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
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
MW-17	04/07/2011	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-18 (MID)	05/28/1996	75.67	33.20	33.81	-----	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	-----	NC
MW-18 (MID)	05/01/1998	75.67	29.81	29.83	-----	NC
MW-18 (MID)	08/09/1999	75.67	-----	31.33	-----	44.34
MW-18 (MID)	11/15/1999	75.67	NM	NM	NM	-----
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)	04/07/2003	75.67	NM	NM	NM	-----
MW-18 (MID)	10/06/2003	75.67	-----	31.42	-----	44.25
MW-18 (MID)	01/11/2004	75.67	NM	NM	NM	-----
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
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
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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-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)	07/09/2012	75.67	NM	NM	NM	-----
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-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
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
MW-19 (MID)	04/11/2011	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)	07/09/2012	78.14	NM	NM	NM	-----
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-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
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
MW-20 (MID)	07/09/2012	77.19	NM	NM	NM	-----
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-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
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)	07/09/2012	77.55	NM	NM	NM	-----
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-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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
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)	05/01/1998	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
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)	11/05/2001	79.57	NM	NM	NM	-----
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
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)	04/12/2010	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
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-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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
MW-23 (MID)	04/20/2009	79.59	-----	32.46	-----	47.13
MW-23 (MID)	07/16/2009	79.59	-----	31.79	-----	47.80
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
MW-24	04/06/2011	78.51	-----	30.98	-----	47.53

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
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	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-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
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

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-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
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

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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-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-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
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	04/09/2014	78.46	NM	NM	NM	-----

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HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
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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-27	10/27/2014	78.46	-----	34.63	-----	43.83
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
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-29	05/28/1996	79.13	31.36	31.49	-----	NC
MW-29	11/20/1996	79.13	32.41	32.66	-----	NC
MW-29	07/01/1997	79.13	31.60	31.65	-----	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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
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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-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
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-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	-----	NC
MW-O-1	04/19/2004	75.48	NM	NM	NM	-----
MW-O-1	05/02/2005	75.48	22.85	22.89	-----	NC
MW-O-1	10/31/2005	75.48	27.43	27.51	-----	NC
MW-O-1	05/01/2006	75.48	22.62	24.09	-----	NC
MW-O-1	12/04/2006	75.48	23.62	24.86	-----	NC
MW-O-1	04/30/2007	75.48	23.98	24.10	-----	NC
MW-O-1	08/28/2007	75.48	23.06	23.07	-----	NC
MW-O-1	11/12/2007	75.48	24.25	24.27	-----	NC
MW-O-1	08/15/2008	75.48	NM	NM	NM	-----
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

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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-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	07/09/2012	75.48	NM	NM	NM	-----
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-2	05/28/1996	74.38	25.39	27.40	-----	NC
MW-O-2	11/20/1996	74.38	25.55	29.58	-----	NC
MW-O-2	07/01/1997	74.31	26.15	26.49	-----	NC
MW-O-2	12/31/1997	74.31	26.78	29.00	-----	NC
MW-O-2	08/09/1999	74.31	NM	NM	NM	-----
MW-O-2	05/15/2000	74.31	25.37	29.63	-----	NC
MW-O-2	11/13/2000	74.31	25.61	26.32	-----	NC
MW-O-2	05/07/2001	74.31	NM	NM	NM	-----
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	04/07/2003	74.31	NM	NM	NM	-----
MW-O-2	10/06/2003	74.31	23.00	24.19	-----	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	-----	NC
MW-O-2	05/22/2006	74.31	21.31	21.32	-----	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	08/15/2008	71.90	NM	NM	NM	-----
MW-O-2	10/17/2008	71.90	-----	24.85	-----	47.05
MW-O-2	04/21/2009	71.90	NM	NM	NM	-----
MW-O-2	10/19/2009	71.90	NM	NM	NM	-----
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	04/16/2012	71.90	NM	NM	NM	-----
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	04/08/2013	71.90	NM	NM	NM	-----
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	-----	NC

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
MW-O-4	05/04/1999	75.00	24.14	24.19	-----	NC
MW-O-4	11/15/1999	75.00	NM	NM	NM	-----
MW-O-4	05/15/2000	75.00	NM	NM	NM	-----
MW-O-4	04/08/2002	75.00	-----	22.71	-----	52.29
MW-SF-1	08/07/2001	76.31	29.07	29.18	-----	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	-----	NC
MW-SF-1	04/07/2003	78.93	NM	NM	NM	-----
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
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	-----	NC
MW-SF-1	04/14/2014	78.93	32.69	37.40	-----	NC
MW-SF-1	10/27/2014	78.93	34.43	34.80	-----	NC

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MW-SF-2	05/28/1996	78.45	NM	NM	NM	-----
MW-SF-2	11/20/1996	78.45	30.31	36.68	-----	NC
MW-SF-2	07/01/1997	78.45	28.43	45.25	-----	NC
MW-SF-2	12/31/1997	78.45	30.86	33.92	-----	NC
MW-SF-2	05/01/1998	78.45	20.73	27.55	-----	NC
MW-SF-2	08/09/1999	78.45	NM	NM	NM	-----
MW-SF-2	11/15/1999	78.45	NM	NM	NM	-----
MW-SF-2	05/15/2000	78.45	27.56	30.01	-----	NC
MW-SF-2	11/13/2000	78.45	29.27	30.32	-----	NC
MW-SF-2	05/07/2001	78.45	28.00	29.75	-----	NC
MW-SF-2	08/07/2001	78.45	28.79	30.25	-----	NC
MW-SF-2	11/05/2001	78.45	29.50	30.49	-----	NC
MW-SF-2	04/08/2002	78.45	NM	NM	NM	-----
MW-SF-2	10/21/2002	78.45	29.74	30.74	-----	NC
MW-SF-2	04/07/2003	78.45	NM	NM	NM	-----
MW-SF-2	10/06/2003	78.93	29.87	29.88	-----	NC
MW-SF-2	01/11/2004	78.45	NM	NM	NM	-----
MW-SF-2	04/19/2004	78.45	30.90	30.91	-----	NC
MW-SF-2	05/02/2005	78.45	26.25	26.52	-----	NC
MW-SF-2	10/31/2005	78.45	26.30	29.71	-----	NC
MW-SF-2	05/01/2006	78.45	27.22	27.96	-----	NC
MW-SF-2	12/04/2006	78.45	27.98	28.82	-----	NC
MW-SF-2	04/30/2007	78.45	28.34	28.35	-----	NC
MW-SF-2	11/12/2007	78.45	28.71	29.18	-----	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	-----	NC
MW-SF-2	04/21/2009	78.53	-----	29.98	-----	48.55
MW-SF-2	10/19/2009	78.53	NM	NM	NM	-----
MW-SF-2	10/04/2010	78.53	30.75	30.96	-----	NC
MW-SF-2	04/11/2011	78.53	-----	29.83	-----	48.70
MW-SF-2	07/11/2011	78.53	NM	NM	NM	-----
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	-----	NC
MW-SF-2	04/14/2014	78.53	33.27	37.50	-----	NC
MW-SF-2	10/27/2014	78.53	33.54	37.04	-----	NC
MW-SF-3	08/07/2001	76.03	27.67	29.20	-----	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	-----	NC

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MW-SF-3	04/07/2003	77.62	NM	NM	NM	-----
MW-SF-3	10/06/2003	78.93	28.92	29.09	-----	NC
MW-SF-3	01/11/2004	77.62	NM	NM	NM	-----
MW-SF-3	04/19/2004	77.62	29.92	30.81	-----	NC
MW-SF-3	05/02/2005	77.62	25.09	26.70	-----	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	-----	NC
MW-SF-3	12/04/2006	77.62	27.18	27.77	-----	NC
MW-SF-3	04/30/2007	77.62	27.45	27.72	-----	NC
MW-SF-3	11/12/2007	77.62	28.28	29.34	-----	NC
MW-SF-3	08/12/2008	77.62	29.05	30.30	-----	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	-----	NC
MW-SF-3	10/19/2009	78.12	NM	NM	NM	-----
MW-SF-3	10/04/2010	78.12	30.30	30.88	-----	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	04/16/2012	78.12	NM	NM	NM	-----
MW-SF-3	07/09/2012	78.12	NM	NM	NM	-----
MW-SF-3	10/15/2012	78.12	-----	32.47	-----	45.65
MW-SF-3	05/24/2013	78.12	32.51	33.35	-----	NC
MW-SF-3	10/07/2013	78.12	NM	NM	NM	-----
MW-SF-3	11/14/2013	78.12	-----	33.26	-----	44.86
MW-SF-3	04/18/2014	78.12	33.62	33.72	-----	NC
MW-SF-3	10/27/2014	78.12	33.85	34.49	-----	NC
MW-SF-4	05/28/1996	79.38	NM	NM	NM	-----
MW-SF-4	11/20/1996	79.38	32.17	35.90	-----	NC
MW-SF-4	07/01/1997	79.38	31.85	36.92	-----	NC
MW-SF-4	12/31/1997	79.38	32.10	33.89	-----	NC
MW-SF-4	05/01/1998	79.38	28.27	29.99	-----	NC
MW-SF-4	08/09/1999	79.38	NM	NM	NM	-----
MW-SF-4	11/15/1999	79.38	NM	NM	NM	-----
MW-SF-4	11/19/1999	79.38	28.80	36.87	-----	NC
MW-SF-4	05/15/2000	79.38	NM	NM	NM	-----
MW-SF-4	11/13/2000	79.38	NM	NM	NM	-----
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	04/07/2003	79.38	NM	NM	NM	-----
MW-SF-4	07/30/2003	79.38	31.89	31.92	-----	NC
MW-SF-4	10/06/2003	79.38	-----	30.82	-----	48.56
MW-SF-4	01/11/2004	79.38	NM	NM	NM	-----

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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-4	01/27/2004	79.38	31.30	31.94	-----	NC
MW-SF-4	04/19/2004	79.38	31.65	32.70	-----	NC
MW-SF-4	07/19/2004	79.38	31.42	31.81	-----	NC
MW-SF-4	02/01/2005	79.38	30.34	30.71	-----	NC
MW-SF-4	05/02/2005	79.38	26.85	27.00	-----	NC
MW-SF-4	08/01/2005	79.38	27.43	27.81	-----	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	-----	NC
MW-SF-4	05/01/2006	79.38	28.34	28.56	-----	NC
MW-SF-4	09/18/2006	79.38	29.56	29.94	-----	NC
MW-SF-4	12/04/2006	79.38	-----	26.98	-----	52.40
MW-SF-4	03/12/2007	79.38	29.41	30.01	-----	NC
MW-SF-4	04/30/2007	79.38	29.11	29.96	-----	NC
MW-SF-4	08/28/2007	79.38	28.30	29.95	-----	NC
MW-SF-4	11/12/2007	79.38	29.70	29.69	-----	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	-----	NC
MW-SF-4	07/20/2009	79.38	31.61	31.65	-----	NC
MW-SF-4	10/19/2009	79.38	31.90	31.93	-----	NC
MW-SF-4	03/15/2010	79.38	31.91	31.95	-----	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	10/10/2011	79.38	NM	NM	NM	-----
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	04/08/2013	79.38	NM	NM	NM	-----
MW-SF-4	10/07/2013	79.38	NM	NM	NM	-----
MW-SF-4	04/25/2014	79.38	34.23	40.03	-----	NC
MW-SF-4	10/27/2014	79.38	35.25	35.54	-----	NC
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	-----	NC
MW-SF-5	04/07/2003	79.74	NM	NM	NM	-----

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MW-SF-5	10/06/2003	79.74	31.14	31.15	-----	NC
MW-SF-5	01/11/2004	79.74	NM	NM	NM	-----
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	-----	-----
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
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	10/19/2009	79.74	NM	NM	NM	-----
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	07/11/2011	79.74	NM	NM	NM	-----
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-6	05/28/1996	80.59	NM	NM	NM	-----
MW-SF-6	11/20/1996	80.59	31.88	39.82	-----	NC
MW-SF-6	07/01/1997	80.59	33.20	39.18	-----	NC
MW-SF-6	12/31/1997	80.59	34.38	39.94	-----	NC
MW-SF-6	05/01/1998	80.59	24.82	30.01	-----	NC
MW-SF-6	08/09/1999	80.59	NM	NM	NM	-----
MW-SF-6	11/15/1999	80.59	NM	NM	NM	-----
MW-SF-6	05/15/2000	80.59	29.67	31.19	-----	NC
MW-SF-6	11/13/2000	80.59	NM	NM	NM	-----
MW-SF-6	05/07/2001	80.59	NM	NM	NM	-----
MW-SF-6	08/07/2001	80.59	NM	NM	NM	-----
MW-SF-6	11/05/2001	80.59	NM	NM	NM	-----
MW-SF-6	04/07/2003	79.96	NM	NM	NM	-----

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MW-SF-6	10/06/2003	79.96	NM	NM	NM	-----
MW-SF-6	01/11/2004	79.96	NM	NM	NM	-----
MW-SF-6	04/19/2004	79.96	NM	NM	NM	-----
MW-SF-6	05/02/2005	79.96	NM	NM	NM	-----
MW-SF-6	10/31/2005	79.96	NM	NM	NM	-----
MW-SF-6	05/01/2006	79.96	-----	25.43	-----	54.53
MW-SF-6	04/30/2007	79.96	27.20	27.44	-----	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	10/19/2009	76.80	NM	NM	NM	-----
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	07/11/2011	76.80	NM	NM	NM	-----
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
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	-----	NC
MW-SF-6	10/07/2013	76.80	NM	NM	NM	-----
MW-SF-6	11/14/2013	76.80	-----	31.90	-----	44.90
MW-SF-6	04/18/2014	76.80	32.15	33.30	-----	NC
MW-SF-6	10/27/2014	76.80	32.58	32.92	-----	NC
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	04/07/2003	74.10	NM	NM	NM	-----
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	-----	NC
MW-SF-9	04/19/2004	74.10	26.20	26.23	-----	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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
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-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	07/11/2011	74.10	NM	NM	NM	-----
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	10/15/2012	74.10	NM	NM	NM	-----
MW-SF-9	04/08/2013	74.10	NM	NM	NM	-----
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	-----	NC
MW-SF-9	10/27/2014	74.10	29.89	30.29	-----	NC
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	-----	NC
MW-SF-10	04/11/2011	76.53	27.37	27.41	-----	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	07/09/2012	76.53	NM	NM	NM	-----
MW-SF-10	10/15/2012	76.53	-----	29.27	-----	47.26
MW-SF-10	04/08/2013	76.53	NM	NM	NM	-----
MW-SF-10	10/07/2013	76.53	NM	NM	NM	-----
MW-SF-10	04/14/2014	76.53	NM	NM	NM	-----
MW-SF-10	10/27/2014	76.53	NM	NM	NM	-----
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	10/19/2009	78.56	NM	NM	NM	-----
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	04/16/2012	78.56	NM	NM	NM	-----
MW-SF-11	07/09/2012	78.56	NM	NM	NM	-----
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

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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-11	04/14/2014	78.56	34.95	35.20	-----	NC
MW-SF-11	10/27/2014	78.56	33.99	36.20	-----	NC
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	10/19/2009	78.07	NM	NM	NM	-----
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	07/09/2012	78.07	NM	NM	NM	-----
MW-SF-12	10/15/2012	78.07	-----	32.12	-----	45.95
MW-SF-12	04/08/2013	78.07	NM	NM	NM	-----
MW-SF-12	10/07/2013	78.07	NM	NM	NM	-----
MW-SF-12	04/14/2014	78.07	32.67	38.04	-----	NC
MW-SF-12	10/27/2014	78.07	33.08	37.40	-----	NC
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	-----	NC
MW-SF-13	10/17/2008	73.40	24.33	27.28	-----	NC
MW-SF-13	10/21/2008	73.40	24.26	27.14	-----	NC
MW-SF-13	04/21/2009	73.40	24.78	24.86	-----	NC
MW-SF-13	10/19/2009	73.40	NM	NM	NM	-----
MW-SF-13	10/04/2010	73.40	25.92	26.95	-----	NC
MW-SF-13	04/12/2011	73.40	24.78	24.79	-----	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	07/09/2012	73.40	NM	NM	NM	-----
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	10/07/2013	73.40	NM	NM	NM	-----
MW-SF-13	11/14/2013	73.40	28.25	29.95	-----	NC
MW-SF-13	04/14/2014	73.40	28.47	31.36	-----	NC
MW-SF-13	10/27/2014	73.40	29.06	30.21	-----	NC
MW-SF-14	08/28/2007	78.16	-----	27.53	-----	50.63
MW-SF-14	11/12/2007	78.16	NM	NM	NM	-----
MW-SF-14	08/15/2008	78.16	29.24	29.77	-----	NC
MW-SF-14	10/17/2008	78.16	29.50	29.52	-----	NC
MW-SF-14	04/21/2009	78.16	-----	29.61	-----	48.55
MW-SF-14	10/19/2009	78.16	NM	NM	NM	-----
MW-SF-14	10/04/2010	78.16	-----	30.54	-----	47.62
MW-SF-14	04/12/2011	78.16	-----	29.55	-----	48.61

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15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
MW-SF-14	10/10/2011	78.16	-----	29.84	-----	48.32
MW-SF-14	04/16/2012	78.16	NM	NM	NM	-----
MW-SF-14	07/09/2012	78.16	NM	NM	NM	-----
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	10/07/2013	78.16	NM	NM	NM	-----
MW-SF-14	11/14/2013	78.16	33.19	33.57	-----	NC
MW-SF-14	04/14/2014	78.16	33.56	34.81	-----	NC
MW-SF-14	10/27/2014	78.16	33.97	34.40	-----	NC
MW-SF-15	08/28/2007	78.27	27.61	27.65	-----	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	-----	NC
MW-SF-15	10/17/2008	78.27	29.44	30.80	-----	NC
MW-SF-15	04/21/2009	78.27	29.60	29.96	-----	NC
MW-SF-15	10/19/2009	78.27	NM	NM	NM	-----
MW-SF-15	10/04/2010	78.27	30.65	30.66	-----	NC
MW-SF-15	04/12/2011	78.27	29.40	30.50	-----	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	-----	NC
MW-SF-15	07/09/2012	78.27	NM	NM	NM	-----
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	10/07/2013	78.27	NM	NM	NM	-----
MW-SF-15	11/14/2013	78.27	33.38	33.41	-----	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-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	10/19/2009	78.21	NM	NM	NM	-----
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	04/16/2012	78.21	NM	NM	NM	-----
MW-SF-16	07/09/2012	78.21	NM	NM	NM	-----
MW-SF-16	10/15/2012	78.21	-----	32.47	-----	45.74
MW-SF-16	05/24/2013	78.21	32.73	32.97	-----	NC
MW-SF-16	10/07/2013	78.21	NM	NM	NM	-----
MW-SF-16	11/14/2013	78.21	33.21	33.80	-----	NC
MW-SF-16	04/18/2014	78.21	33.65	34.20	-----	NC
MW-SF-16	10/27/2014	78.21	-----	34.25	-----	43.96
OLD_TF-24	11/20/1996	76.36	-----	31.18	-----	45.18

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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)
OLD_TF-24	04/27/2007	76.36	-----	27.39	-----	48.97
PO-7	07/08/2011	80.26	NM	NM	NM	-----
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
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	10/31/2005	75.52	NM	NM	NM	-----
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	04/16/2012	75.52	NM	NM	NM	-----
PW-1	07/09/2012	75.52	NM	NM	NM	-----
PW-1	10/15/2012	75.52	-----	27.76	-----	47.76
PW-1	04/08/2013	75.52	NM	NM	NM	-----
PW-1	10/07/2013	75.52	NM	NM	NM	-----
PW-1	04/14/2014	75.52	NM	NM	NM	-----
PW-1	10/27/2014	75.52	NM	NM	NM	-----
PW-2	05/28/1996	74.65	-----	27.83	-----	46.82

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Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
PW-2	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
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	04/20/2009	74.71	NM	NM	NM	-----
PW-2	10/19/2009	74.71	NM	NM	NM	-----
PW-2	05/24/2010	74.71	NM	NM	NM	-----
PW-2	05/28/2010	74.71	NM	NM	NM	-----
PW-2	10/04/2010	74.71	NM	NM	NM	-----
PW-2	04/11/2011	74.71	NM	NM	NM	-----
PW-2	10/10/2011	74.71	NM	NM	NM	-----

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Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
PW-2	04/16/2012	74.71	NM	NM	NM	-----
PW-2	07/09/2012	74.71	NM	NM	NM	-----
PW-2	10/15/2012	74.71	NM	NM	NM	-----
PW-2	04/08/2013	74.71	NM	NM	NM	-----
PW-2	10/07/2013	74.71	NM	NM	NM	-----
PW-2	04/14/2014	74.71	NM	NM	NM	-----
PW-2	10/27/2014	74.71	NM	NM	NM	-----
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
PW-3	08/10/1999	73.64	-----	25.35	-----	48.29
PW-3	11/15/1999	73.64	NM	NM	NM	-----
PW-3	05/15/2000	73.64	NM	NM	NM	-----
PW-3	08/28/2000	73.64	NM	NM	NM	-----
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

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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	04/20/2009	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	07/09/2012	73.71	NM	NM	NM	-----
PW-3	10/15/2012	73.71	NM	NM	NM	-----
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
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	NM	NM	NM	-----
PZ-2	05/28/1996	73.96	-----	28.26	-----	45.70
PZ-2	11/20/1996	73.96	NM	NM	NM	-----
PZ-2	11/20/1996	73.96	-----	27.49	-----	46.47
PZ-2	07/01/1997	73.96	27.56	28.92	-----	NC
PZ-2	12/31/1997	73.96	28.87	29.45	-----	NC
PZ-2	05/01/1998	73.96	23.83	25.40	-----	NC
PZ-2	05/04/1999	73.96	25.38	27.20	-----	NC
PZ-2	08/09/1999	73.96	25.71	27.58	-----	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	-----	NC
PZ-2	05/07/2001	73.96	24.99	25.21	-----	NC
PZ-2	11/05/2001	73.96	24.87	25.09	-----	NC
PZ-2	04/08/2002	73.96	24.96	24.96	-----	NC
PZ-2	10/21/2002	73.96	26.31	26.44	-----	NC
PZ-2	04/07/2003	73.96	26.12	26.22	-----	NC
PZ-2	10/06/2003	73.96	25.51	25.53	-----	NC

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PZ-2	04/19/2004	73.96	26.81	26.89	-----	NC
PZ-2	11/02/2004	73.96	27.19	27.24	-----	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
PZ-2	10/19/2009	73.96	NM	NM	NM	-----
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	07/11/2011	73.96	NM	NM	NM	-----
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	01/14/2013	73.96	NM	NM	NM	-----
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-3	05/28/1996	76.17	27.83	32.71	-----	NC
PZ-3	11/20/1996	76.17	28.79	32.80	-----	NC
PZ-3	07/01/1997	76.17	28.75	30.69	-----	NC
PZ-3	12/31/1997	76.17	28.60	32.86	-----	NC
PZ-3	05/01/1998	76.17	18.34	25.21	-----	NC
PZ-3	05/25/1999	76.17	-----	31.70	-----	44.47
PZ-3	05/19/2000	76.17	27.48	31.54	-----	NC
PZ-3	11/13/2000	76.17	27.01	30.05	-----	NC
PZ-3	05/07/2001	76.17	25.99	30.30	-----	NC
PZ-3	04/08/2002	76.17	-----	31.00	-----	45.17
PZ-3	09/19/2002	76.17	28.84	29.94	-----	NC
PZ-3	10/21/2002	76.17	28.10	29.66	-----	NC
PZ-3	04/07/2003	76.17	27.81	28.80	-----	NC
PZ-3	10/06/2003	76.17	27.65	28.90	-----	NC
PZ-3	04/19/2004	76.17	29.08	29.68	-----	NC
PZ-3	11/01/2004	76.17	28.32	29.63	-----	NC
PZ-3	02/28/2005	76.17	24.32	26.89	-----	NC

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PZ-3	03/06/2006	76.17	24.97	25.12	-----	NC
PZ-3	05/01/2006	76.17	25.39	25.96	-----	NC
PZ-3	08/26/2006	76.17	25.76	26.26	-----	NC
PZ-3	12/01/2006	76.17	26.11	26.77	-----	NC
PZ-3	03/21/2007	76.17	26.05	26.16	-----	NC
PZ-3	04/30/2007	76.17	26.66	26.68	-----	NC
PZ-3	11/12/2007	76.17	NM	NM	NM	-----
PZ-3	02/05/2008	76.17	-----	27.84	-----	48.33
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	-----	NC
PZ-3	04/03/2013	76.17	30.63	30.86	-----	NC
PZ-3	04/08/2013	76.17	30.56	30.99	-----	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-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

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PZ-4	02/28/2005	76.13	-----	25.13	-----	51.00
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	-----	-----
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
PZ-5	05/28/2010	73.97	-----	25.68	-----	48.29
PZ-5	06/22/2010	73.97	-----	25.54	-----	48.43

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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-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-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-6	10/04/2010	73.91	NM	NM	NM	-----
PZ-6	04/11/2011	73.91	NM	NM	NM	-----
PZ-6	10/10/2011	73.91	NM	NM	NM	-----

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PZ-6	04/16/2012	73.91	NM	NM	NM	-----
PZ-6	07/09/2012	73.91	NM	NM	NM	-----
PZ-6	10/15/2012	73.91	NM	NM	NM	-----
PZ-6	04/08/2013	73.91	NM	NM	NM	-----
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	10/15/2012	-----	-----	27.24	NM	-----
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	10/15/2012	-----	-----	27.22	NM	-----
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	10/15/2012	-----	-----	30.01	NM	-----
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	10/15/2012	-----	-----	30.71	NM	-----
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
PZ-9A	07/09/2012	76.14	NM	NM	NM	-----
PZ-9A	10/15/2012	76.14	-----	30.18	-----	45.96
PZ-9A	04/08/2013	76.14	-----	30.67	-----	45.47
PZ-9B	08/01/2005	76.26	-----	23.71	-----	52.55
PZ-9B	10/04/2010	76.26	-----	28.51	-----	47.75

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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	07/09/2012	76.26	NM	NM	NM	-----
PZ-9B	10/15/2012	76.26	-----	30.54	-----	45.72
PZ-9B	04/08/2013	76.26	-----	30.89	-----	45.37
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	-----	46.68
PZ-10	04/11/2011	74.34	-----	25.57	-----	48.77
PZ-10	10/10/2011	74.34	NM	NM	NM	-----
PZ-10	04/16/2012	74.34	-----	28.00	-----	46.34
PZ-10	07/09/2012	74.34	NM	NM	NM	-----
PZ-10	10/15/2012	74.34	-----	29.81	-----	44.53
PZ-10	04/08/2013	74.34	-----	28.94	-----	45.40
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
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	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
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-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	-----	NC
TF-9	05/25/1999	75.27	27.00	27.04	-----	NC
TF-9	05/15/2000	75.27	-----	26.85	-----	48.42

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)
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	-----	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	-----	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	10/14/2008	74.47	NM	NM	NM	-----
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
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	10/07/2011	74.47	NM	NM	NM	-----
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-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	05/07/2001	74.19	NM	NM	NM	-----

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HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
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	04/08/2002	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
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	-----	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	-----	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	-----	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

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)
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
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	-----	NC
TF-13	12/31/1997	75.90	28.05	30.97	-----	NC
TF-13	05/01/1998	75.90	30.65	31.10	-----	NC
TF-13	05/25/1999	75.90	27.12	27.40	-----	NC
TF-13	05/15/2000	75.90	31.25	31.65	-----	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

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HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
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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	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
TF-13	07/08/2011	75.47	-----	27.13	-----	48.34
TF-13	10/07/2011	75.47	-----	27.63	-----	47.84
TF-13	04/12/2012	75.47	NM	NM	NM	-----
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	-----	NC
TF-14	07/01/1997	74.78	30.60	31.10	-----	NC
TF-14	12/31/1997	74.78	27.03	31.85	-----	NC
TF-14	05/01/1998	74.78	29.95	30.75	-----	NC
TF-14	05/25/1999	74.78	25.60	28.86	-----	NC
TF-14	05/15/2000	74.78	26.65	27.95	-----	NC
TF-14	05/07/2001	74.78	-----	26.30	-----	48.48
TF-14	04/08/2002	74.35	28.40	28.48	-----	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

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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	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
TF-14	04/03/2013	74.35	-----	28.76	-----	45.59
TF-15	11/20/1996	75.40	31.09	31.42	-----	NC
TF-15	07/01/1997	75.40	31.40	31.65	-----	NC
TF-15	12/31/1997	75.40	27.79	31.56	-----	NC
TF-15	05/01/1998	75.40	28.35	30.05	-----	NC
TF-15	05/25/1999	75.40	26.41	26.94	-----	NC
TF-15	05/15/2000	75.40	28.90	29.54	-----	NC
TF-15	05/07/2001	75.40	28.90	29.30	-----	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	-----	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	-----	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

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)
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	-----	NC
TF-15	04/03/2013	74.78	-----	29.22	-----	45.56
TF-15	10/02/2013	74.78	29.97	30.04	-----	NC
TF-15	04/09/2014	74.78	30.22	32.25	-----	NC
TF-15	04/16/2014	74.78	30.18	32.06	-----	NC
TF-15	10/27/2014	74.78	30.31	30.86	-----	NC
TF-16	11/20/1996	76.48	32.52	32.75	-----	NC
TF-16	07/01/1997	76.48	32.50	33.10	-----	NC
TF-16	12/31/1997	76.48	28.69	32.79	-----	NC
TF-16	05/01/1998	76.48	32.07	32.61	-----	NC
TF-16	05/25/1999	76.48	27.82	27.90	-----	NC
TF-16	05/15/2000	76.48	32.03	32.48	-----	NC
TF-16	05/07/2001	76.48	31.96	32.20	-----	NC
TF-16	04/08/2002	75.89	31.40	31.49	-----	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

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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-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
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	-----	NC
TF-17	11/20/1996	75.26	30.00	30.53	-----	NC
TF-17	07/01/1997	75.26	30.10	30.20	-----	NC
TF-17	12/31/1997	75.26	-----	27.50	-----	47.76
TF-17	05/01/1998	75.26	24.86	25.18	-----	NC
TF-17	05/25/1999	75.26	25.40	28.24	-----	NC
TF-17	05/15/2000	75.26	28.84	29.32	-----	NC
TF-17	05/07/2001	75.26	-----	26.20	-----	49.06
TF-17	04/08/2002	74.88	27.01	27.04	-----	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	-----	NC
TF-17	10/06/2003	74.88	-----	26.63	-----	48.25
TF-17	04/19/2004	75.26	27.32	28.83	-----	NC
TF-17	11/01/2004	75.26	27.80	28.30	-----	NC
TF-17	02/28/2005	75.26	22.62	23.33	-----	NC
TF-17	05/02/2005	75.26	21.57	22.25	-----	NC
TF-17	03/06/2006	75.26	23.42	23.98	-----	NC
TF-17	05/01/2006	75.26	23.39	26.35	-----	NC
TF-17	08/26/2006	75.26	24.08	26.52	-----	NC
TF-17	12/01/2006	74.88	24.77	26.62	-----	NC
TF-17	03/21/2007	75.26	24.67	25.02	-----	NC
TF-17	04/30/2007	75.26	25.00	26.16	-----	NC
TF-17	11/09/2007	74.88	25.35	26.01	-----	NC
TF-17	02/05/2008	75.26	25.98	28.18	-----	NC
TF-17	07/24/2008	75.26	26.15	27.29	-----	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	10/13/2008	75.26	26.67	27.95	-----	NC
TF-17	02/10/2009	75.26	26.05	27.66	-----	NC
TF-17	07/17/2009	74.88	26.90	27.64	-----	NC
TF-17	04/08/2010	74.88	26.76	26.78	-----	NC
TF-17	10/01/2010	74.88	27.72	28.14	-----	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-18	05/25/1999	73.94	24.22	25.83	-----	NC
TF-18	05/15/2000	73.94	25.13	26.22	-----	NC
TF-18	05/07/2001	73.94	-----	25.30	-----	48.64
TF-18	04/08/2002	73.94	27.10	27.42	-----	NC
TF-18	09/19/2002	73.94	25.80	26.89	-----	NC
TF-18	10/21/2002	73.94	27.92	27.94	-----	NC
TF-18	04/22/2003	73.94	-----	28.11	-----	45.83
TF-18	10/06/2003	73.94	25.09	25.28	-----	NC
TF-18	04/19/2004	73.94	-----	26.00	-----	47.94
TF-18	11/01/2004	73.94	26.25	27.76	-----	NC
TF-18	02/28/2005	73.94	-----	22.27	-----	51.67
TF-18	05/02/2005	73.94	20.45	20.67	-----	NC
TF-18	03/06/2006	73.94	22.62	22.67	-----	NC
TF-18	05/01/2006	73.94	22.57	22.59	-----	NC
TF-18	08/26/2006	73.94	23.14	23.29	-----	NC
TF-18	12/01/2006	73.94	-----	23.97	-----	49.97
TF-18	03/21/2007	73.94	23.91	24.02	-----	NC
TF-18	04/30/2007	73.94	24.30	24.35	-----	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	-----	NC
TF-18	10/01/2010	73.94	-----	26.35	-----	47.59
TF-18	01/08/2011	73.94	26.65	26.86	-----	NC
TF-18	04/07/2011	73.94	24.95	25.11	-----	NC
TF-18	07/08/2011	73.94	25.30	25.40	-----	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-18	10/06/2011	73.94	25.95	25.97	-----	NC
TF-18	04/12/2012	73.94	-----	27.30	-----	46.64
TF-18	01/10/2013	73.94	27.85	30.25	-----	NC
TF-18	04/03/2013	73.94	28.04	28.80	-----	NC
TF-18	10/02/2013	73.94	28.68	29.47	-----	NC
TF-18	04/09/2014	73.94	29.37	30.90	-----	NC
TF-18	04/16/2014	73.94	29.38	31.15	-----	NC
TF-18	10/27/2014	73.94	29.48	30.91	-----	NC
TF-19	11/20/1996	75.61	-----	29.06	-----	46.55
TF-19	07/01/1997	75.61	29.20	29.30	-----	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	-----	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
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

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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-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	-----	NC
TF-19	10/27/2014	75.07	30.72	31.46	-----	NC
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	-----	NC
TF-20	05/01/2006	75.59	24.67	27.70	-----	NC
TF-20	08/26/2006	75.59	25.05	28.68	-----	NC
TF-20	12/01/2006	75.59	25.48	29.67	-----	NC
TF-20	03/21/2007	75.59	25.42	25.49	-----	NC
TF-20	04/30/2007	75.59	-----	25.84	-----	49.75
TF-20	11/09/2007	75.59	26.45	29.02	-----	NC
TF-20	02/05/2008	75.08	27.47	28.65	-----	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	-----	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	-----	NC
TF-20	04/03/2013	75.08	30.30	30.32	-----	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-20	10/02/2013	75.08	30.93	30.95	-----	NC
TF-20	04/09/2014	75.08	-----	31.47	-----	43.61
TF-20	04/16/2014	75.08	31.32	31.35	-----	NC
TF-20	10/27/2014	75.08	31.76	31.79	-----	NC
TF-21	11/20/1996	75.60	29.83	29.91	-----	NC
TF-21	07/01/1997	75.60	30.80	31.10	-----	NC
TF-21	12/31/1997	75.60	-----	28.35	-----	47.25
TF-21	05/01/1998	75.60	NM	NM	NM	-----
TF-21	05/01/1998	75.60	-----	25.56	-----	50.04
TF-21	05/25/1999	75.60	26.49	26.58	-----	NC
TF-21	05/15/2000	75.60	28.68	29.04	-----	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
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	10/01/2010	74.96	NM	NM	NM	-----
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
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	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-22	11/20/1996	74.95	30.56	31.98	-----	NC
TF-22	07/01/1997	74.95	30.70	31.00	-----	NC
TF-22	12/31/1997	74.95	28.01	28.90	-----	NC
TF-22	05/01/1998	74.95	23.57	25.24	-----	NC
TF-22	05/25/1999	74.95	26.02	26.44	-----	NC
TF-22	05/15/2000	74.95	32.65	32.96	-----	NC
TF-22	05/07/2001	74.95	32.70	33.01	-----	NC
TF-22	04/08/2002	74.76	32.80	32.98	-----	NC
TF-22	09/19/2002	74.95	-----	27.63	-----	47.32
TF-22	10/21/2002	74.95	31.42	32.60	-----	NC
TF-22	04/22/2003	74.76	-----	27.60	-----	47.16
TF-22	10/06/2003	74.76	-----	26.37	-----	48.39
TF-22	04/19/2004	74.95	27.30	27.32	-----	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	-----	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

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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-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	-----	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	-----	NC
TF-23	04/22/2003	74.76	NM	NM	NM	-----
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
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	-----	NC
TF-23	01/11/2013	75.31	-----	29.67	-----	45.64
TF-23	04/03/2013	75.31	29.60	29.70	-----	NC
TF-23	10/02/2013	75.31	30.34	30.56	-----	NC
TF-23	04/09/2014	75.31	30.92	31.16	-----	NC
TF-23	04/16/2014	75.31	30.90	31.08	-----	NC
TF-23	10/27/2014	75.31	31.15	31.16	-----	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	-----	NC
TF-24	05/15/2000	76.36	27.82	29.42	-----	NC
TF-24	05/07/2001	76.36	NM	NM	NM	-----

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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-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	-----	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	-----	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	-----	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
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-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

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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-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	-----	-----	28.88	-----	-----
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	-----	-----	28.87	-----	-----
TF-26	04/07/2010	75.85	-----	28.11	-----	47.74

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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-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
TF-26	04/02/2013	75.85	30.55	31.39	-----	NC
TF-26	04/09/2014	75.85	31.48	32.58	-----	NC
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	-----	-----	30.02	-----	-----
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	-----	-----	30.36	-----	-----
VEW-1	08/07/2001	74.32	NM	NM	NM	-----
VEW-1	10/04/2010	-----	NM	NM	NM	-----
VEW-1	04/11/2011	-----	NM	NM	NM	-----
VEW-1	10/10/2011	-----	NM	NM	NM	-----
VEW-1	04/16/2012	-----	NM	NM	NM	-----
VEW-1	07/09/2012	-----	NM	NM	NM	-----
VEW-1	10/15/2012	-----	NM	NM	NM	-----
VEW-1	04/08/2013	-----	NM	NM	NM	-----
VEW-1	10/07/2013	-----	NM	NM	NM	-----
VEW-2	08/07/2001	76.57	NM	NM	NM	-----
VEW-2	10/04/2010	-----	NM	NM	NM	-----
VEW-2	04/11/2011	-----	NM	NM	NM	-----
VEW-2	10/10/2011	-----	NM	NM	NM	-----
VEW-2	04/16/2012	-----	NM	NM	NM	-----
VEW-2	07/09/2012	-----	NM	NM	NM	-----
VEW-2	10/15/2012	-----	NM	NM	NM	-----
VEW-2	04/08/2013	-----	NM	NM	NM	-----
VEW-2	10/07/2013	-----	NM	NM	NM	-----
VS-01	10/06/2003	-----	-----	26.30	-----	-----
VS-01	04/19/2004	-----	-----	26.88	-----	-----

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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)
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	-----	-----
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

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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-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
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	07/09/2012	72.86	NM	NM	NM	-----
WCW-1	10/15/2012	72.86	NM	NM	NM	-----
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-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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
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	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
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	07/09/2012	75.34	NM	NM	NM	-----
WCW-2	10/15/2012	75.34	NM	NM	NM	-----
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-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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
WCW-3	11/15/1999	76.16	-----	28.83	-----	47.33
WCW-3	02/28/2000	76.16	-----	28.58	-----	47.58
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
WCW-3	01/10/2011	76.16	-----	29.50	-----	46.66

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
WCW-3	04/11/2011	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-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
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
WCW-4	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	07/09/2012	78.05	NM	NM	NM	-----
WCW-4	10/15/2012	78.05	NM	NM	NM	-----
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-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
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
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	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	07/09/2012	73.49	NM	NM	NM	-----
WCW-5	10/15/2012	73.49	NM	NM	NM	-----
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-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
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
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	04/16/2012	75.52	-----	28.33	-----	47.19
WCW-6	07/09/2012	75.52	NM	NM	NM	-----
WCW-6	10/15/2012	75.52	NM	NM	NM	-----
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-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
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
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	04/14/2008	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
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-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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
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	04/07/2003	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
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	07/09/2012	77.34	NM	NM	NM	-----
WCW-8	10/15/2012	77.34	NM	NM	NM	-----
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-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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
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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-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
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	01/12/2010	77.74	NM	NM	NM	-----
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	07/09/2012	77.74	NM	NM	NM	-----
WCW-9	10/15/2012	77.74	NM	NM	NM	-----
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-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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
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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-10	11/12/2007	74.06	-----	24.41	-----	49.65
WCW-10	10/14/2008	74.06	-----	24.95	-----	49.11
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	07/09/2012	74.06	NM	NM	NM	-----
WCW-10	10/15/2012	74.06	NM	NM	NM	-----
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-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
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

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Well	Date	Top of Casing Elevation (feet MSL)	Depth to Product (feet btc)	Depth to Groundwater (feet btc)	Measured Product Thickness (feet)	Groundwater Elevation (feet MSL)
WCW-11	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	-----	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	07/09/2012	75.29	NM	NM	NM	-----
WCW-11	10/15/2012	75.29	NM	NM	NM	-----
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-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
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
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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-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	07/09/2012	76.27	NM	NM	NM	-----
WCW-12	10/15/2012	76.27	NM	NM	NM	-----
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	10/27/2014	76.27	-----	32.35	-----	43.92
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
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
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	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
WCW-13	10/27/2014	77.70	-----	33.67	-----	44.03
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

APPENDIX C
HISTORICAL GROUNDWATER ELEVATIONS, NOVEMBER 1996 THROUGH OCTOBER 2014
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	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	07/09/2012	78.81	NM	NM	NM	-----
WCW-14	10/15/2012	78.81	NM	NM	NM	-----
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

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
NM = not measured
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 APRIL 2014

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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	<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**	<200	-----	<5	<5	<5	<5	<5	<5	-----	-----	-----	-----
EXP-1	01/09/98	GTI	<500	-----	<100	<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	**175**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-1	05/26/99	GTI	<300	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<1	<1	<1	<0.50	<1	-----	-----	-----	-----
EXP-1	11/18/99	IT Corporation	<300	<100	-----	-----	-----	<0.50	<1	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-1	11/19/99	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-1	12/21/99	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-1	01/20/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-1	02/28/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-1	03/28/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-1	04/20/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-1	05/17/00	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-1	05/18/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-1	06/30/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-1	08/28/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-1	11/29/00	IT Corporation	<300	<100	-----	-----	-----	**0.50**	<0.50	<0.50	**0.70**	<0.50	<0.50	-----	-----	-----	-----
EXP-1	02/06/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-1	05/08/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-1	05/09/01	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-1	09/19/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-1	11/07/01	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-1	11/07/01	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-1	01/30/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-1	04/10/02	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-1	04/11/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-1	07/30/02	IT Corporation	<300	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<1	<1	<0.30	<0.50	<5	-----	-----	-----	-----
EXP-1	10/24/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-1	01/29/03	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-1	04/08/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-1	04/10/03	GTI	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-1	07/30/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-1	10/08/03	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-1	10/08/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-1	01/29/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-1	04/21/04	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	04/21/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-1	07/19/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-1	07/21/04	Blaine Tech for Parsons	**200**	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	-----	<0.50	-----	-----	-----	-----
EXP-1	11/03/04	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	02/02/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-1	05/04/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-1	08/02/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-1	11/02/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-1	02/27/06	Secor	<50	<100	-----	-----	-----	<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 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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	05/02/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-1	05/03/06	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	09/19/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-1	12/05/06	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	12/05/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-1	03/13/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-1	05/02/07	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	05/02/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-1	08/29/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-1	11/13/07	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	11/13/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-1	02/20/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-1	04/16/08	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	04/16/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-1	08/14/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-1	10/15/08	Blaine Tech for Parsons	<100	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	10/17/08	Stantec	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-1	02/24/09	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	-----	-----	-----
EXP-1	04/20/09	Blaine Tech for Parsons	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	07/20/09	Blaine Tech	<50	**120**	-----	-----	-----	<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	-----	-----	-----	<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 Parsons	<50	<100	-----	-----	-----	<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	-----	-----	-----	<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 Parsons	<50	<100	-----	-----	-----	<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	-----	-----	-----	-----	<100	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	07/12/10	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	10/04/10	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	10/04/10	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	-----	-----	-----	<0.50	**0.45 J**	<10	-----	-----	-----
EXP-1	01/10/11	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	01/10/11	Blaine Tech for Parsons	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	04/11/11	Blaine Tech for Parsons	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	07/11/11	Parsons	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	10/10/11	Parsons	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	01/09/12	Parsons	<100	-----	-----	-----	<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
EXP-1	04/16/12	Parsons	<100	-----	-----	-----	<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	-----	-----	-----	<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	-----	-----	-----	<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-2	11/27/96	GSI	<50	-----	<500	<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	<50	-----	<5	<5	<5	<5	<5	<5	-----	-----	-----	-----
EXP-2	01/09/98	GTI	<500	-----	<100	<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	-----	-----	-----	-----

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
EXP-2	11/04/98	GTI	<300	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<1	<1	<1	<0.50	<1	-----	-----	-----	-----
EXP-2	11/18/99	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-2	11/19/99	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-2	12/21/99	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-2	01/20/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-2	02/28/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-2	03/28/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-2	04/20/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-2	05/16/00	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-2	05/18/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-2	06/30/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-2	08/28/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-2	11/29/00	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-2	02/06/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-2	05/08/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-2	05/09/01	IT Corporation	<300	<100	-----	-----	-----	<0.50	**0.90**	<0.50	**0.80**	<0.50	<0.50	-----	-----	-----	-----
EXP-2	09/19/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-2	11/07/01	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-2	11/07/01	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-2	01/30/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-2	04/10/02	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-2	04/11/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-2	07/30/02	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-2	10/23/02	GTI	<300	<100	-----	-----	-----	<0.50	<1	<1	<1	<0.50	<1	-----	-----	-----	-----
EXP-2	10/24/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-2	01/28/03	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-2	04/08/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-2	04/11/03	GTI	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-2	07/30/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-2	10/07/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-2	10/10/03	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-2	01/29/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-2	04/21/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-2	04/22/04	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-2	07/20/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-2	07/21/04	Blaine Tech for Parsons	**120**	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	-----	<0.50	-----	-----	-----	-----
EXP-2	11/04/04	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-2	02/03/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-2	05/05/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-2	08/02/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-2	11/02/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-2	02/28/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-2	05/03/06	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-2	05/03/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-2	09/19/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-2	12/06/06	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-2	12/06/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-2	03/13/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-2	05/02/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-2	05/03/07	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-2	08/29/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-2	11/14/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-2	02/20/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-2	04/17/08	Blaine Tech for Parsons	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-2	04/17/08	Secor	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-2	08/14/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-2	10/16/08	Blaine Tech for Parsons	<100	-----	-----	-----	<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 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
EXP-2	10/17/08	Stantec	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-2	02/24/09	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	-----	-----	-----
EXP-2	04/21/09	Blaine Tech for Parsons	<100	-----	-----	-----	<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	<100	-----	-----	-----	**1.1**	**0.59**	**0.67**	**1.8**	<0.50	<0.50	<10	<1	<1	<1
EXP-2	07/20/09	Blaine Tech	<50	<100	-----	-----	-----	<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	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**6.1 J**	<2	<2	<2
EXP-2	10/19/09	Blaine Tech for Parsons	<50	<100	-----	-----	-----	<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	**---**	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-2	03/15/10	Blaine Tech for Parsons	<50	<100	-----	-----	-----	<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	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-2	05/25/10	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	07/12/10	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	10/04/10	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	10/04/10	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	-----	-----	-----	<0.50	<0.50	<10	-----	-----	-----
EXP-2	01/10/11	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	01/10/11	Blaine Tech for Parsons	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	04/11/11	Blaine Tech for Parsons	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	07/11/11	Parsons	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	10/10/11	Parsons	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	01/09/12	Parsons	<100	-----	-----	-----	<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	-----	-----	-----	<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	-----	-----	-----	**210 b**	<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	-----	-----	-----	<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-3	11/27/96	GSI	<50	-----	<500	<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	<50	-----	<5	<5	<5	<5	<5	<5	-----	-----	-----	-----
EXP-3	01/09/98	GTI	<500	-----	<100	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<1	<1	<1	<0.50	<1	-----	-----	-----	-----
EXP-3	11/18/99	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	11/19/99	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	12/21/99	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	01/20/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	02/28/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	03/28/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	04/20/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	05/17/00	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	05/18/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	06/30/00	Secor	<300	<100	-----	-----	-----	<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 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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	08/28/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	11/30/00	IT Corporation	<300	<100	-----	-----	-----	<0.50	**0.50**	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	02/06/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	05/08/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	05/09/01	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	09/19/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	11/07/01	IT Corporation	<300	<100	-----	-----	-----	**0.80**	**0.60**	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	11/07/01	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.60	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	01/30/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	04/11/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	04/12/02	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	07/30/02	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	10/22/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<1	-----	-----	-----	-----
EXP-3	10/23/02	GTI	<300	<100	-----	-----	-----	<0.50	<1	<1	<1	<0.50	<1	-----	-----	-----	-----
EXP-3	01/29/03	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	04/08/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	04/11/03	GTI	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	07/30/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	10/07/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	10/10/03	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	01/29/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	04/20/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	04/22/04	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-3	07/19/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	07/21/04	Blaine Tech for Parsons	**120**	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	-----	<0.50	-----	-----	-----	-----
EXP-3	11/03/04	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-3	02/02/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	05/04/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	08/01/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	11/02/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	02/27/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	05/02/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	05/05/06	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-3	09/18/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	12/05/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	12/06/06	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-3	03/13/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	05/04/07	Blaine Tech for Parsons	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	05/04/07	Secor	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-3	08/30/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	11/15/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	11/16/07	Blaine Tech for Parsons	<100	**1,500**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-3	02/07/08	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-3	02/20/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	04/16/08	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-3	04/16/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	08/14/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	10/14/08	Stantec	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-3	10/15/08	Blaine Tech for Parsons	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	-----	-----	-----
EXP-3	04/22/09	Blaine Tech for Parsons	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-3	07/20/09	Blaine Tech	<50	<100	-----	-----	-----	<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	-----	-----	-----	<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	-----	-----	-----	<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 Parsons	<50	<100	-----	-----	-----	<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	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-3	03/15/10	Blaine Tech for Parsons	<50	<100	-----	-----	-----	<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	-----	-----	-----	-----	<100	**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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-3	07/12/10	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-3	10/04/10	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.74**	<10	<1	<1	<1
EXP-3	10/04/10	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	-----	-----	-----	<0.50	**0.68**	<10	-----	-----	-----

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
EXP-3	01/10/11	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**0.73**	**0.95**	<10	<1	<1	<1
EXP-3	01/10/11	Blaine Tech for Parsons	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**1.3**	**0.99**	<10	<1	<1	<1
EXP-3	04/11/11	Blaine Tech for Parsons	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**0.61**	<0.50	<10	<1	<1	<1
EXP-3	07/12/11	Parsons	<100	-----	-----	-----	<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	**140**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-3	10/10/11	Parsons	<100	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**8.7 J**	<2	<2	<2
EXP-3	01/09/12	CH2M Hill	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.66**	<10	<1	<1	<1
EXP-3	01/09/12	Parsons	<100	-----	-----	-----	<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	-----	-----	-----	<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	-----	-----	-----	**250 b**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**9.5 J**	<2	<2	<2
EXP-3	08/29/12	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	-----	-----	-----	<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-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	<100	-----	-----	-----	<0.50	<1	<1	<1	<0.50	<1	-----	-----	-----	-----
EXP-4	11/19/99	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.60**	-----	-----	-----	-----
EXP-4	12/21/99	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-4	12/21/99	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-4	01/20/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	**0.50**	<0.50	<0.50	-----	-----	-----	-----
EXP-4	02/28/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-4	03/28/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-4	04/20/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-4	05/18/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-4	06/30/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-4	08/28/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-4	11/30/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-4	02/06/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-4	05/08/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-4	09/18/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-4	11/07/01	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-4	01/30/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-4	04/11/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-4	10/24/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-4	10/07/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-4	05/05/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-4	05/05/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-4	09/20/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-4	05/01/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-4	04/18/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-4	04/21/09	Blaine Tech for AMEC	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-4	07/20/09	Blaine Tech	<50	**120**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-4	10/19/09	Blaine Tech for Parsons	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-4	05/24/10	Blaine Tech	<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 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
EXP-4	04/12/11	Blaine Tech	<50	<100	-----	-----	-----	<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-5	11/11/98	Alton Geoscience	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-5	02/03/99	Alton Geoscience	<500	-----	<500	-----	-----	<0.50	<0.50	<0.50	<1	<1	<0.50	-----	-----	-----	-----
EXP-5	05/05/99	Alton Geoscience	<500	-----	<500	-----	-----	**7.6**	**3.9**	**1.4**	**7.4**	<1	**140**	-----	-----	-----	-----
EXP-5	07/21/99	Alton Geoscience	<50	-----	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<1	**11**	-----	-----	-----	-----
EXP-5	08/10/99	Alton Geoscience	<500	-----	<1,000	-----	-----	**21**	**37**	**4.3**	**22**	<0.50	**2.4**	-----	-----	-----	-----
EXP-5	09/23/99	Secor	<300	-----	-----	-----	-----	<0.50	<1	<1	<1	<0.50	<1	-----	-----	-----	-----
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	<100	-----	-----	-----	<0.50	<1	<1	<1	<0.50	<1	-----	-----	-----	-----
EXP-5	11/19/99	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-5	12/21/99	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-5	01/20/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-5	02/28/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-5	03/28/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-5	04/20/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-5	05/17/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-5	06/30/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-5	08/28/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-5	11/29/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-5	02/06/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-5	05/08/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-5	09/19/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-5	11/07/01	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-5	01/30/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-5	04/11/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-5	07/30/02	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-5	10/24/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-5	01/28/03	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-5	04/08/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-5	07/30/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-5	10/07/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-5	01/29/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-5	04/21/04	Secor	<50	**160**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-5	07/20/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-5	11/04/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-5	02/03/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-5	05/04/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-5	08/03/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-5	11/01/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-5	02/28/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-5	05/05/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-5	09/19/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-5	12/07/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-5	03/13/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-5	05/03/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-5	08/28/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-5	11/15/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-5	02/20/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-5	04/18/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-5	08/14/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-5	10/15/08	Stantec	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
EXP-5	02/23/09	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	-----	-----	-----
EXP-5	04/22/09	Blaine Tech for AMEC	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	07/21/09	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	10/19/09	Blaine Tech for Parsons	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	03/15/10	Blaine Tech for Parsons	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	05/25/10	Blaine Tech	<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 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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	07/12/10	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	10/04/10	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	01/10/11	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	04/11/11	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	07/11/11	CH2M Hill	<50	**110**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	10/10/11	CH2M Hill	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	01/09/12	CH2M Hill	<50	<100	-----	-----	-----	<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
GB-21	01/24/11	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	-----	<0.50	<10	<1	<1	<1
GB-21	01/24/11	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	-----	<0.50	<10	<1	<1	<1
GB-21	01/24/11	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	-----	<0.50	**140**	<1	<1	<1
GB-22	01/21/11	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	-----	<0.50	<10	<1	<1	<1
GB-22	01/21/11	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	-----	<0.50	<10	<1	<1	<1
GB-22	01/21/11	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	-----	<0.50	**110**	<1	<1	<1
GB-23	01/21/11	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	-----	<0.50	<10	<1	<1	<1
GB-23	01/21/11	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	-----	<0.50	<10	<1	<1	<1
GB-23	01/21/11	Blaine Tech	<100	<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**	**32,200**	-----	-----	-----	**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**	**25,000**	-----	-----	-----	**4,700**	**440**	**1,100**	**4,040**	<5	**71**	-----	-----	-----	-----
GMW-1	05/16/00	Secor	**14,000**	**16,000**	-----	-----	-----	**3,100**	**40**	**720**	**2,300**	<25	**50**	-----	-----	-----	-----
GMW-1	11/30/00	Secor	**14,000**	**28,000**	-----	-----	-----	**2,700**	**80**	**1,000**	**1,780**	<0.50	**33**	-----	-----	-----	-----
GMW-1	05/09/01	Secor	**1,000**	**18,000**	-----	-----	-----	**1,900**	<13	**530**	**468**	<13	<13	-----	-----	-----	-----
GMW-1	11/06/01	Secor	**11,000**	**18,000**	-----	-----	-----	**2,900**	**35**	**1,300**	**280**	<0.50	**27**	-----	-----	-----	-----
GMW-1	04/10/02	Secor	**7,600**	**13,000**	-----	-----	-----	**2,000**	**26**	**740**	**295**	<10	**18**	-----	-----	-----	-----
GMW-1	10/23/02	Secor	**830**	**8,400**	-----	-----	-----	**1,300**	<5	**330**	**111**	<5	**17**	-----	-----	-----	-----
GMW-1	03/11/03	Geomatrix	**340**	**390**	-----	-----	-----	**130**	<0.50	**30**	**6.1**	<0.50	**0.68**	-----	-----	-----	-----
GMW-1	04/08/03	Secor	**4,500**	**2,100**	-----	-----	-----	**2,200**	<10	**240**	**142**	<20	**25**	-----	-----	-----	-----
GMW-1	08/01/03	Secor	**4,000**	**2,100**	-----	-----	-----	**1,600**	**11**	**360**	**172**	<20	**14**	-----	-----	-----	-----
GMW-1	10/06/03	Secor	**7,400**	**2,500**	-----	-----	-----	**2,200**	**12**	**520**	**196**	<20	**13**	-----	-----	-----	-----
GMW-1	01/27/04	Secor	**4,400**	**2,200**	-----	-----	-----	**1,500**	**5.7**	**180**	**200**	<10	**12**	-----	-----	-----	-----
GMW-1	04/22/04	Secor	**9,100**	**5,200**	-----	-----	-----	**3,200**	<20	**270**	**160**	<40	<20	-----	-----	-----	-----
GMW-1	07/19/04	Secor	**6,000**	**1,800**	-----	-----	-----	**2,100**	<10	**90**	**70**	<20	**20**	-----	-----	-----	-----
GMW-1	11/03/04	Secor	**7,900**	**3,700**	-----	-----	-----	**3,500**	<10	**88**	**35**	<20	**18**	-----	-----	-----	-----
GMW-1	02/02/05	Secor	**2,100**	**1,500**	-----	-----	-----	**1,100**	<5	**18**	**29**	<10	**12**	-----	-----	-----	-----
GMW-1	05/06/05	Secor	<200	**320**	-----	-----	-----	**1.2**	<1	<1	<1	<2	<1	-----	-----	-----	-----
GMW-1	08/01/05	Secor	<500	**1,100**	-----	-----	-----	<2.5	<2.5	<2.5	<2.5	<5	<2.5	-----	-----	-----	-----
GMW-1	11/02/05	Secor	<500	**1,400**	-----	-----	-----	<2.5	<2.5	<2.5	<2.5	<5	<2.5	-----	-----	-----	-----
GMW-1	02/27/06	Secor	<1000	**1,600**	-----	-----	-----	<5	<5	<5	<5	<10	<5	-----	-----	-----	-----
GMW-1	05/04/06	Secor	<500	**1,600**	-----	-----	-----	**4.0**	<2.5	<2.5	<2.5	<5	<2.5	-----	-----	-----	-----
GMW-1	09/18/06	Secor	<500	**1,300**	-----	-----	-----	<2.5	<2.5	<2.5	<2.5	<5	<2.5	-----	-----	-----	-----
GMW-1	12/06/06	Secor	<500	**4,500**	-----	-----	-----	<2.5	<2.5	<2.5	<2.5	<5	<2.5	-----	-----	-----	-----
GMW-1	03/13/07	Secor	<1000	**2,000**	-----	-----	-----	<5	<5	<5	<5	<10	<5	-----	-----	-----	-----
GMW-1	05/04/07	Secor	<50	**1,500**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-1	08/30/07	Secor	**520**	**910**	-----	-----	-----	<1.5	<1.5	<1.5	<1.5	<3	<1.5	-----	-----	-----	-----
GMW-1	11/14/07	Secor	**140**	**430**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-1	02/20/08	Secor	<200	**690**	-----	-----	-----	**41**	<1	**4.9**	**4.8**	<2	<1	-----	-----	-----	-----
GMW-1	04/16/08	Secor	<200	**1,200**	-----	-----	-----	**14**	<1	<1	<1	<2	<1	-----	-----	-----	-----
GMW-1	10/17/08	Stantec	**1,600**	**2,900**	-----	-----	-----	**52**	**1.6**	**58**	**250**	<2	<1	-----	-----	-----	-----
GMW-1	04/20/09	Blaine Tech for AMEC	**600**	**2,400**	-----	-----	-----	**63**	**1.2**	**25**	**16**	<2	<1	<20	<2	<2	<2
GMW-1	10/22/09	Blaine Tech for Parsons	**330**	**1,900**	-----	-----	-----	**1.5**	<1	<1	<1	<2	<1	<20	<2	<2	<2
GMW-1	05/27/10	Blaine Tech	**900**	**1,900**	-----	-----	-----	**55**	**4.9**	**46**	<1	<2	<1	<20	<2	<2	<2

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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	10/07/10	Blaine Tech	**400**	<1700	-----	-----	-----	<1	<1	<1	<1	<2	<1	<20	<2	<2	<2
GMW-1	04/14/11	Blaine Tech	**230**	**1,500**	-----	-----	-----	<1	<1	<1	<1	<2	<1	<20	<2	<2	<2
GMW-1	10/12/11	CH2M Hill	**230**	**1,700**	-----	-----	-----	<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-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	<100	-----	-----	-----	**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	<100	-----	-----	-----	**0.70**	<0.50	<0.50	<0.50	<0.50	**66**	-----	-----	-----	-----
GMW-2	05/16/00	Secor	<300	**200**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**0.60**	<0.50	-----	-----	-----	-----
GMW-2	11/30/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**1.0**	**140**	-----	-----	-----	-----
GMW-2	05/08/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**0.60**	**51**	-----	-----	-----	-----
GMW-2	11/06/01	Secor	<300	<100	-----	-----	-----	**7.8**	<0.50	<0.50	**0.70**	**1.2**	**140**	-----	-----	-----	-----
GMW-2	04/09/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**240**	-----	-----	-----	-----
GMW-2	10/23/02	Secor	<300	**240**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**260**	-----	-----	-----	-----
GMW-2	10/07/03	Secor	**91**	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**81**	-----	-----	-----	-----
GMW-2	05/06/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-2	05/09/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**4.2**	-----	-----	-----	-----
GMW-2	05/02/07	Secor	**160**	**110**	-----	-----	-----	**73**	<0.50	<0.50	**2.3**	<1	**5.8**	-----	-----	-----	-----
GMW-2	04/17/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-2	04/20/09	Blaine Tech for AMEC	<50	**100**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-2	05/26/10	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-3	11/25/96	Terra Services	-----	-----	-----	-----	-----	<5	<5	<0.50	<1.5	<5	<50	-----	-----	-----	-----
GMW-3	07/11/97	Terra Services	<100	-----	<500	-----	-----	<0.50	<0.50	<0.50	<1	<0.50	<5	-----	-----	-----	-----
GMW-3	01/05/98	Terra Services	<100	-----	<500	-----	-----	<0.50	<0.50	<0.50	<1.5	<0.50	<5	-----	-----	-----	-----
GMW-3	05/26/98	Terra Services	-----	-----	-----	-----	-----	<0.50	<0.50	<0.50	**0.90**	<0.50	<0.50	-----	-----	-----	-----
GMW-3	11/11/98	Alton Geoscience	<300	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-3	05/17/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-3	11/29/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-3	05/10/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-3	11/06/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-3	04/10/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-3	10/22/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**1.1**	-----	-----	-----	-----
GMW-3	01/29/03	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.96**	-----	-----	-----	-----
GMW-3	04/08/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-3	07/30/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-3	10/06/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-3	01/27/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-3	04/21/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-3	07/19/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-3	11/02/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-3	05/04/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-3	11/03/05	Secor	**120**	**710**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-3	02/27/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-3	05/02/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-3	12/05/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-3	05/04/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-3	11/14/07	Secor	<200	**1,800**	-----	-----	-----	<1	<1	<1	<1	<2	<1	-----	-----	-----	-----
GMW-3	04/16/08	Blaine Tech for Parsons	<100	**220**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<1	<0.50	-----	-----	-----	-----
GMW-3	04/16/08	Secor	<100	**750**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-3	10/14/08	Stantec	<50	**110**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-3	04/20/09	Blaine Tech for AMEC	<50	<100	-----	-----	-----	**0.63**	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-3	10/21/09	Blaine Tech for Parsons	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-3	05/26/10	Blaine Tech	<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 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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	10/06/10	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-3	04/12/11	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-3	10/11/11	CH2M Hill	<50	<100	-----	-----	-----	<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-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**	**4,100**	-----	-----	-----	**67**	<0.50	**51**	**24**	<0.50	<0.50	-----	-----	-----	-----
GMW-4	05/19/00	Secor	**2,500**	**3,400**	-----	-----	-----	**48**	**0.50**	**29**	**37**	<0.50	<0.50	-----	-----	-----	-----
GMW-4	04/10/03	Secor	**500**	**1,100**	-----	-----	-----	**8.0**	<0.50	**8.2**	**26**	<0.50	<0.50	-----	-----	-----	-----
GMW-4	05/04/07	Secor	**2,000**	**13,000**	-----	-----	-----	**110**	<1	**27**	**12**	<2	<1	-----	-----	-----	-----
GMW-4	04/16/08	Blaine Tech for Parsons	**16,000**	**14,000**	-----	-----	-----	**270**	<2.5	**110**	**157**	<2.5	<2.5	<50	<10	<10	<10
GMW-4	04/17/08	Secor	**4,400**	**40,000**	-----	-----	-----	**290**	<5	**89**	**102**	<10	<5	-----	-----	-----	-----
GMW-4	11/21/08	Stantec	**4,900**	**16,000**	-----	-----	-----	**260**	<2.5	**45**	**28**	<5	<2.5	-----	-----	-----	-----
GMW-4	04/23/09	Blaine Tech for AMEC	**2,500**	**9,500**	-----	-----	-----	**120**	<0.50	**12**	**8.6**	<1	**3.9**	<10	<1	<1	<1
GMW-4	05/27/10	Blaine Tech	**2,200**	**6,100**	-----	-----	-----	**170**	**1.1**	**6.3**	**10**	<2	<1	<20	<2	<2	<2
GMW-4	10/05/10	Blaine Tech	**1,300**	<15,000	-----	-----	-----	**8.2**	<1	**2.8**	**2.2**	<2	**3.2**	**22**	<2	<2	<2
GMW-4	04/14/11	Blaine Tech	**2,800**	**24,000**	-----	-----	-----	**130**	<1	**2.0**	**3.4**	<2	<1	<20	<2	<2	<2
GMW-4	10/12/11	CH2M Hill	**1,200**	**4,200**	-----	-----	-----	**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	<500	-----	<0.50	<0.50	<0.50	<1	-----	-----	-----	-----	-----	-----
GMW-5	07/11/97	GTI	<50	-----	<50	<50	-----	<0.50	<1	<1	<2	-----	-----	-----	-----	-----	-----
GMW-5	01/06/98	GTI	<500	-----	<100	<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	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-5	05/27/99	GTI	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-5	11/18/99	IT Corporation	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-5	05/16/00	IT Corporation	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-5	11/29/00	IT Corporation	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-5	05/09/01	IT Corporation	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-5	11/07/01	IT Corporation	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-5	04/10/02	IT Corporation	<300	<100	-----	-----	-----	<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-6	11/27/96	GSI	**5,300**	-----	<500	<500	-----	**330**	<12	**320**	**300**	-----	-----	-----	-----	-----	-----
GMW-6	07/09/97	GTI	<50	-----	<50	<50	-----	**2.7**	<1	**1.4**	<2	<5	-----	-----	-----	-----	-----
GMW-6	01/07/98	GTI	<500	-----	<100	<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	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-6	05/27/99	GTI	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-6	11/18/99	IT Corporation	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-6	05/16/00	IT Corporation	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-6	11/29/00	IT Corporation	<300	**550**	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-6	05/09/01	IT Corporation	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-6	11/07/01	IT Corporation	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-6	04/10/02	IT Corporation	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-6	10/23/02	GTI	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-6	04/10/03	GTI	-----	<100	-----	-----	-----	<1	<1	<1	<2	-----	<3	-----	-----	-----	-----
GMW-6	10/08/03	Blaine Tech for Parsons	-----	**130**	-----	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-6	04/22/04	Blaine Tech for Parsons	-----	<100	-----	-----	-----	**0.41**	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-6	11/06/04	Blaine Tech for Parsons	-----	**4,100**	-----	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-6	05/06/05	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.30	**0.46**	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-6	11/08/05	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-6	05/03/06	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-6	12/08/06	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	**1.3**	-----	<5	-----	-----	-----	-----
GMW-6	05/02/07	Blaine Tech for Parsons	-----	<100	-----	-----	-----	**0.58**	**0.54**	<0.50	<1	-----	<5	-----	-----	-----	-----

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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	08/31/07	Blaine Tech for Parsons	**3,400**	**1,100**	-----	-----	-----	**400**	**96**	**45**	**188**	<0.50	<0.50	<10	<2	<2	<2
GMW-6	11/14/07	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<1	-----	<5	-----	-----	-----	-----
GMW-6	11/15/07	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-6	04/16/08	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<1	-----	<5	-----	-----	-----	-----
GMW-6	10/15/08	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	**1.1**	<10	<2	<2	<2
GMW-6	04/21/09	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	-----	**43**	-----	-----	-----	-----
GMW-6	07/21/09	Blaine Tech for AMEC	<100	-----	-----	-----	<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	-----	-----	-----	-----	**110**	**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	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	-----	**7.2**	<10	<2	<2	<2
GMW-6	10/05/10	Blaine Tech for Parsons	-----	-----	-----	-----	**170**	**0.35 J**	-----	-----	-----	<0.50	**130**	**210**	-----	-----	-----
GMW-6	02/24/11	Blaine Tech	<50	**120**	-----	-----	-----	**0.53**	<0.50	<0.50	<0.50	<0.50	**9.6**	**120**	<1	<1	<1
GMW-6	04/13/11	Blaine Tech for Parsons	<100	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-6	10/10/11	Parsons	-----	-----	-----	-----	**290**	<0.50	<0.50	<0.50	<0.50	<0.50	**1.8**	**220**	<2	<2	<2
GMW-6	04/19/12	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	**0.34 J**	<10	<2	<2	<2
GMW-6	10/15/12	Parsons	-----	-----	-----	-----	<100	<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-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**	**370,000**	-----	-----	-----	**4,800**	**970**	**620**	**12,000**	-----	<2500	-----	-----	-----	-----
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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**4.6**	<0.50	-----	-----	-----	-----
GMW-8	05/19/00	Secor	<300	**380**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**15**	<0.50	-----	-----	-----	-----
GMW-8	11/29/00	Secor	<300	**780**	-----	-----	-----	**1.0**	**0.90**	<0.50	**1.5**	**10**	**2.9**	-----	-----	-----	-----
GMW-8	05/09/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-8	11/07/01	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-8	04/11/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**2.5**	**2.4**	-----	-----	-----	-----
GMW-8	10/24/02	Secor	<300	**120**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-8	04/10/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.62**	-----	-----	-----	-----
GMW-8	10/08/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**0.52**	<0.50	-----	-----	-----	-----
GMW-8	04/21/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-8	11/05/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-8	05/05/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-8	11/03/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-8	05/03/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.78**	-----	-----	-----	-----
GMW-8	12/07/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**7.6**	-----	-----	-----	-----
GMW-8	05/05/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**6.5**	-----	-----	-----	-----
GMW-8	11/14/07	Secor	<50	**130**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-8	04/17/08	Secor	<50	**130**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-8	10/21/08	Stantec	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-8	04/22/09	Blaine Tech for AMEC	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-8	10/19/09	Blaine Tech for Parsons	<50	**120**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**1.5**	<10	<1	<1	<1
GMW-8	05/26/10	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-8	10/06/10	Blaine Tech	<50	<100	-----	-----	-----	<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-9	10/07/10	Blaine Tech	**6,800**	**7,200**	-----	-----	-----	**890**	**62**	**120**	**650**	<10	**56**	**1,600**	**44**	<10	<10
GMW-9	04/13/11	Blaine Tech	**54,000**	**21,000**	-----	-----	-----	**20,000**	**290**	**970**	**3,800**	<200	**3,600**	<2,000	<200	<200	<200
GMW-9	10/13/11	CH2M Hill	**61,000**	**7,600**	-----	-----	-----	**18,000**	**6,500**	**760**	**3,400**	<200	**2,100**	<2,000	<200	<200	<200
GMW-10	10/08/10	Blaine Tech	**4,800**	**36,000**	-----	-----	-----	**360**	<2.5	**87**	**14**	<5	<2.5	**120**	<5	<5	<5
GMW-10	04/14/11	Blaine Tech	**5,700**	**31,000**	-----	-----	-----	**370**	**2.0**	**93**	**7.9**	<3	<1.5	**100**	<3	<3	<3
GMW-10	10/14/11	CH2M Hill	**3,700**	**11,000**	-----	-----	-----	**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

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-10	10/11/13	CHHL	**13,000**	-----	**9,500**	-----	-----	**1,100**	**800**	**350**	**1,900**	<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**	**146,000**	-----	-----	-----	<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**	**25,000**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-11	05/19/00	Secor	**790**	**1,900**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-11	11/30/00	Secor	**1,600**	**4,100**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-11	05/10/01	Secor	<300	**670**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-11	11/07/01	IT Corporation	<300	**560**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-11	04/11/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-12	11/27/96	GSI	**99**	-----	<500	<500	-----	<0.50	<0.50	<0.50	<1	<0.50	<1	-----	-----	-----	-----
GMW-12	07/10/97	GTI	**110**	-----	**8,600**	<7,500	-----	<5	<5	<5	<5	<5	<5	-----	-----	-----	-----
GMW-12	01/06/98	GTI	<500	-----	**1,000**	<100	-----	<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	**433**	-----	-----	-----	**4.5**	<0.50	**3.0**	**1.7**	<0.50	<0.50	-----	-----	-----	-----
GMW-12	05/27/99	GTI	<300	**937**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-12	11/18/99	IT Corporation	<300	**4,900**	-----	-----	-----	<0.50	<1	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-12	05/17/00	IT Corporation	<300	**2,200**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-12	11/30/00	IT Corporation	<300	**1,400**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-12	05/09/01	IT Corporation	<300	**2,100**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-12	11/07/01	IT Corporation	<300	**2,700**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-12	04/11/02	IT Corporation	<300	**1,900**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-12	10/23/02	GTI	<300	**1,700**	-----	-----	-----	<0.50	<1	<1	<1	<0.50	<1	-----	-----	-----	-----
GMW-12	04/10/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-12	04/14/03	GTI	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-12	10/10/03	Blaine Tech for Parsons	<100	**2,900**	-----	-----	-----	<0.50	<0.50	**0.56**	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-12	04/21/04	Blaine Tech for Parsons	<100	**2,000**	-----	-----	-----	<0.50	<0.50	<0.50	**0.62**	<0.50	<0.50	<10	<2	<2	<2
GMW-12	11/04/04	Blaine Tech for Parsons	<100	**2,600**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-12	05/06/05	Blaine Tech for Parsons	<100	**1,400**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-12	11/08/05	Blaine Tech for Parsons	<100	**270**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-12	05/04/06	Blaine Tech for Parsons	<100	**450**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-12	12/08/06	Blaine Tech for Parsons	<100	**150**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-12	05/04/07	Blaine Tech for Parsons	<100	**440**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-12	11/16/07	Blaine Tech for Parsons	-----	**150**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-12	04/18/08	Blaine Tech for Parsons	<100	**480**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-12	10/16/08	Blaine Tech for Parsons	<100	-----	-----	-----	**310**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-12	04/23/09	Blaine Tech for Parsons	<100	-----	-----	-----	**630**	<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	-----	-----	-----	**480**	<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	-----	-----	-----	-----	**400**	<0.50	<0.50	<0.50	<0.50	-----	<0.50	<10	<2	<2	<2
GMW-12	10/08/10	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	-----	-----	-----	<0.50	<0.50	**3.6 J**	-----	-----	-----
GMW-12	04/11/11	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-12	10/10/11	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-12	04/16/12	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-12	10/15/12	Parsons	-----	-----	-----	-----	**280 b**	<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-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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-13	05/17/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-13	11/30/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-13	05/10/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**2.6**	-----	-----	-----	-----
GMW-13	11/06/01	Secor	<300	<100	-----	-----	-----	<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	-----	-----	-----	-----

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-13	04/10/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-13	10/22/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<1	-----	-----	-----	-----
GMW-13	04/09/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**3.1**	-----	-----	-----	-----
GMW-13	10/06/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-13	04/20/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-13	11/02/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-13	05/04/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-13	11/01/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-13	05/02/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-13	12/05/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-13	05/04/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-13	11/14/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-13	04/16/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-13	10/17/08	Stantec	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-13	04/23/09	Blaine Tech for AMEC	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-13	10/19/09	Blaine Tech for Parsons	<50	<100	-----	-----	-----	<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	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	**23**	**9.5**	<10	**3.8**	<2	<2
GMW-13	05/26/10	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-13	10/06/10	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-13	04/12/11	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-13	04/13/11	Blaine Tech for Parsons	-----	-----	-----	-----	**130**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GMW-13	10/11/11	CH2M Hill	<50	<100	-----	-----	-----	<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-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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-14	05/16/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-14	11/30/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-14	05/09/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-14	11/06/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-14	04/10/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-14	10/07/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-14	04/22/04	Secor	**59**	**110**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-14	11/02/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-14	05/06/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-14	11/01/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-14	03/08/06	Blaine Tech for Parsons	**520**	**2,000**	-----	-----	-----	**2.6**	<0.50	<0.50	<0.50	**0.64**	**4.0**	**21**	<2	<2	<2
GMW-14	05/02/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-14	12/07/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-14	05/04/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-14	11/14/07	Secor	**1,500**	**2,100**	-----	-----	-----	<2.5	<2.5	**34**	**3.0**	<5	<2.5	-----	-----	-----	-----
GMW-14	04/16/08	Secor	**440**	**850**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<1	<0.50	-----	-----	-----	-----
GMW-14	07/29/08	Blaine Tech for Parsons	**210**	**810**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**2.2**	**18**	<2	<2	<2
GMW-14	10/17/08	Stantec	**210**	**420**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<1	<0.50	-----	-----	-----	-----
GMW-14	04/23/09	Blaine Tech for AMEC	**120**	**580**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-14	10/22/09	Blaine Tech for Parsons	**130**	**740**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**10**	<1	<1	<1
GMW-14	04/16/10	Blaine Tech for DESC	-----	-----	-----	-----	**1,500**	**160**	<0.50	**2.6**	**3.0**	<0.50	**13**	**15**	<2	<2	**0.79 J**
GMW-14	10/07/10	Blaine Tech	**160**	<620	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<1	<0.50	<10	<1	<1	<1
GMW-14	04/13/11	Blaine Tech	<100	**310**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<1	<0.50	<10	<1	<1	<1
GMW-14	10/12/11	CH2M Hill	**58**	**600**	-----	-----	-----	<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**	**1,170**	-----	-----	-----	**1.8**	<0.30	**3.7**	**1.0**	-----	-----	-----	-----	-----	-----
GMW-15	05/27/99	GTI	**634**	**18,600**	-----	-----	-----	**2.5**	<0.30	**5.3**	**2.0**	-----	-----	-----	-----	-----	-----

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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	11/18/99	IT Corporation	<300	**3,400**	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-15	05/16/00	IT Corporation	**610**	**11,000**	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-15	12/01/00	IT Corporation	**450**	**4,000**	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-15	05/10/01	IT Corporation	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-15	11/07/01	IT Corporation	<300	**13,000**	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-15	04/10/02	IT Corporation	**1,900**	**18,000**	-----	-----	-----	**1.2**	<0.30	**1.6**	**3.8**	-----	<5	-----	-----	-----	-----
GMW-15	10/23/02	GTI	**840**	**16,000**	-----	-----	-----	**0.58**	<0.30	**0.72**	**1.5**	-----	<5	-----	-----	-----	-----
GMW-15	04/10/03	GTI	-----	**5,060**	-----	-----	-----	<1	<1	<1	<2	-----	<3	-----	-----	-----	-----
GMW-15	10/08/03	Blaine Tech for Parsons	-----	**11,000**	-----	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-15	04/22/04	Blaine Tech for Parsons	-----	**4,200**	-----	-----	-----	**0.70**	<0.30	<0.30	**0.47**	-----	<5	-----	-----	-----	-----
GMW-15	11/06/04	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-15	05/06/05	Blaine Tech for Parsons	-----	**670**	-----	-----	-----	<0.30	**0.47**	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-15	11/08/05	Blaine Tech for Parsons	-----	**200**	-----	-----	-----	<0.30	**0.31**	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-15	05/03/06	Blaine Tech for Parsons	-----	**330**	-----	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-15	12/08/06	Blaine Tech for Parsons	-----	**160**	-----	-----	-----	<0.50	<0.50	<0.50	<1	-----	<5	-----	-----	-----	-----
GMW-15	05/02/07	Blaine Tech for Parsons	-----	**710**	-----	-----	-----	<0.50	<0.50	<0.50	**1.2**	-----	<5	-----	-----	-----	-----
GMW-15	05/02/07	Blaine Tech for Parsons	-----	**740**	-----	-----	-----	<0.50	<0.50	<0.50	<1	-----	<5	-----	-----	-----	-----
GMW-15	11/14/07	Blaine Tech for Parsons	-----	**890**	-----	-----	-----	<0.50	<0.50	<0.50	<1	-----	<5	-----	-----	-----	-----
GMW-15	04/16/08	Blaine Tech for Parsons	-----	**1,400**	-----	-----	-----	<0.50	<0.50	<0.50	<1	-----	<5	-----	-----	-----	-----
GMW-15	10/15/08	Blaine Tech for Parsons	-----	-----	-----	-----	**1,400**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-15	04/21/09	Blaine Tech for Parsons	**180**	-----	-----	-----	**3,600**	<0.50	<0.50	<0.50	<0.50	-----	**5.4**	-----	-----	-----	-----
GMW-15	10/20/09	Blaine Tech for DESC	-----	-----	-----	-----	**4,900**	<0.50	<0.50	<0.50	<0.50	<0.50	**3.1**	**4.5 J**	<2	<2	<2
GMW-15	04/15/10	Blaine Tech for DESC	-----	-----	-----	-----	**760**	<0.50	<0.50	<0.50	<0.50	-----	**5.7**	<10	<2	<2	<2
GMW-15	10/05/10	Blaine Tech for Parsons	-----	-----	-----	-----	**230**	<0.50	-----	-----	-----	<0.50	<0.50	<10	-----	-----	-----
GMW-15	04/14/11	Blaine Tech for Parsons	-----	-----	-----	-----	**210**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-15	10/10/11	Parsons	-----	-----	-----	-----	**170**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-15	04/19/12	Parsons	-----	-----	-----	-----	**1,600**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-15	10/15/12	Parsons	-----	-----	-----	-----	**460 b**	<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-16	11/21/96	GSI	<38	-----	<500	<500	-----	<0.50	<0.50	**0.80**	<1.5	<0.50	-----	-----	-----	-----	-----
GMW-16	07/09/97	GTI	<50	-----	**110**	<50	-----	**5.7**	<5	**9.2**	**7.5**	<5	<5	-----	-----	-----	-----
GMW-16	01/06/98	GTI	<500	-----	<100	<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	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-16	05/27/99	GTI	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-16	11/18/99	IT Corporation	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-16	05/16/00	IT Corporation	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-16	11/29/00	IT Corporation	<300	**140**	-----	-----	-----	**0.64**	**1.2**	**0.85**	**3.2**	-----	<5	-----	-----	-----	-----
GMW-16	05/10/01	IT Corporation	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-16	11/07/01	IT Corporation	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	**9.1**	-----	-----	-----	-----
GMW-16	04/10/02	IT Corporation	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-16	10/23/02	GTI	<300	**110**	-----	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-16	04/11/03	GTI	-----	<100	-----	-----	-----	<1	<1	<1	<2	-----	<3	-----	-----	-----	-----
GMW-16	10/08/03	Blaine Tech for Parsons	-----	**310**	-----	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-16	04/22/04	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-16	11/06/04	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.30	<0.30	<0.30	**0.59**	-----	<5	-----	-----	-----	-----
GMW-16	05/06/05	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.30	**0.58**	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-16	11/08/05	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.30	**0.48**	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-16	05/03/06	Blaine Tech for Parsons	-----	**100**	-----	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-16	12/06/06	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<1	-----	<5	-----	-----	-----	-----
GMW-16	05/02/07	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<1	-----	<5	-----	-----	-----	-----
GMW-16	11/14/07	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<1	-----	<5	-----	-----	-----	-----
GMW-16	04/16/08	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<1	-----	<5	-----	-----	-----	-----
GMW-16	10/15/08	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-16	04/21/09	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	-----	<0.50	-----	-----	-----	-----
GMW-16	10/20/09	Blaine Tech for DESC	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-16	04/12/10	Blaine Tech for DESC	-----	-----	-----	-----	**110**	<0.50	<0.50	<0.50	<0.50	-----	<0.50	<10	<2	<2	<2
GMW-16	10/05/10	Blaine Tech for Parsons	-----	-----	-----	-----	**100**	<0.50	-----	-----	-----	<0.50	<0.50	<10	-----	-----	-----
GMW-16	10/10/11	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-16	04/18/12	Parsons	-----	-----	-----	-----	**130**	<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 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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	10/15/12	Parsons	-----	-----	-----	-----	<100	<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-17	05/10/01	IT Corporation	**6,800**	**1,500,000**	-----	-----	-----	**52**	**25**	<15	**330**	-----	<250	-----	-----	-----	-----
GMW-17	10/24/02	GTI	**49,000**	**170,000**	-----	-----	-----	**91**	<30	<30	**160**	-----	<500	-----	-----	-----	-----
GMW-17	04/14/03	GTI	-----	**10,100**	-----	-----	-----	**572**	**5.6**	**75**	**367**	-----	<15	-----	-----	-----	-----
GMW-17	10/10/03	Blaine Tech for Parsons	-----	**8,700**	-----	-----	-----	**240**	**1.5**	**9.5**	**41**	-----	<10	-----	-----	-----	-----
GMW-17	04/22/04	Blaine Tech for Parsons	-----	**2,400**	-----	-----	-----	**540**	**4.6**	**24**	**190**	-----	**63**	-----	-----	-----	-----
GMW-17	11/06/04	Blaine Tech for Parsons	-----	**3,000**	-----	-----	-----	**110**	<0.30	**2.1**	**6.1**	-----	**19**	-----	-----	-----	-----
GMW-17	05/10/05	Blaine Tech for Parsons	-----	**760**	-----	-----	-----	**7.9**	**3.6**	<1.5	**2.6**	-----	<25	-----	-----	-----	-----
GMW-17	11/08/05	Blaine Tech for Parsons	-----	**290**	-----	-----	-----	**3.7**	<0.30	**0.37**	**1.9**	-----	**7.0**	-----	-----	-----	-----
GMW-17	05/05/06	Blaine Tech for Parsons	-----	**1,200**	-----	-----	-----	**3.7**	**2.2**	**1.6**	**4.5**	-----	<5	-----	-----	-----	-----
GMW-17	12/08/06	Blaine Tech for Parsons	-----	**1,400**	-----	-----	-----	**34**	<0.50	**1.9**	**30**	-----	<5	-----	-----	-----	-----
GMW-17	05/03/07	Blaine Tech for Parsons	-----	**12,000**	-----	-----	-----	**9.1**	<0.50	**0.92**	**9.0**	-----	**7.7**	-----	-----	-----	-----
GMW-17	11/14/07	Blaine Tech for Parsons	-----	**1,200**	-----	-----	-----	**4.8**	<0.50	<0.50	<1	-----	<5	-----	-----	-----	-----
GMW-17	04/18/08	Blaine Tech for Parsons	-----	<100	-----	-----	-----	**5.3**	<0.50	**0.62**	**1.4**	-----	<5	-----	-----	-----	-----
GMW-17	10/17/08	Blaine Tech for Parsons	-----	-----	-----	-----	**1,600**	**2.6**	<0.50	**0.57**	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-17	04/22/09	Blaine Tech for Parsons	**450**	-----	-----	-----	**760**	**27**	<0.50	**2.4**	<0.50	-----	<0.50	-----	<0.50	<0.50	<0.50
GMW-17	10/20/09	Blaine Tech for DESC	-----	-----	-----	-----	**2,400**	**0.42 J**	<0.50	<0.50	<0.50	<0.50	<0.50	**9.5 J**	<2	<2	<2
GMW-17	04/14/10	Blaine Tech for DESC	**1,200**	-----	-----	-----	**1,900**	**59**	**0.34 J**	**5.5**	**2.0**	-----	<0.50	<10	<2	<2	<2
GMW-17	10/05/10	Blaine Tech for Parsons	**1,200**	-----	-----	-----	**2,000**	**79**	-----	-----	-----	<0.50	<0.50	**5.2 J**	-----	-----	-----
GMW-17	04/15/11	Blaine Tech for Parsons	**750**	-----	-----	-----	**1,200**	**13**	**0.55**	**4.6**	**0.82**	<0.50	<0.50	<10	<2	<2	<2
GMW-17	10/10/11	Parsons	<1,100	-----	-----	-----	**1,100**	**50**	<0.77	**28**	**6.5**	<0.50	<0.50	<10	<2	<2	<2
GMW-17	04/20/12	Parsons	**610**	-----	-----	-----	**2,100**	**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	-----	**16,500,000**	-----	-----	-----	**3,410**	**3,510**	**3,070**	**17,800**	-----	<150	-----	-----	-----	-----
GMW-18	10/08/03	Blaine Tech for Parsons	-----	**170,000**	-----	-----	-----	**2,600**	**120**	**360**	**3,100**	-----	<1,000	-----	-----	-----	-----
GMW-18	04/21/04	Blaine Tech for Parsons	-----	**45,000**	-----	-----	-----	**2,700**	<50	**380**	**4,288**	-----	<50	-----	-----	-----	-----
GMW-18	11/04/04	Blaine Tech for Parsons	-----	**51,000**	-----	-----	-----	**1,300**	<3	**220**	**2,400**	-----	<50	-----	-----	-----	-----
GMW-18	05/06/05	Blaine Tech for Parsons	-----	**5,900**	-----	-----	-----	**1,100**	**22**	**140**	**1,200**	-----	<50	-----	-----	-----	-----
GMW-18	11/08/05	Blaine Tech for Parsons	-----	**17,000**	-----	-----	-----	**650**	**11**	**17**	**470**	-----	<100	-----	-----	-----	-----
GMW-18	05/04/06	Blaine Tech for Parsons	-----	**19,000**	-----	-----	-----	**200**	**1.9**	**15**	**100**	-----	**6.9**	-----	-----	-----	-----
GMW-18	12/08/06	Blaine Tech for Parsons	-----	**6,800**	-----	-----	-----	**320**	<0.50	**25**	**190**	-----	**11**	-----	-----	-----	-----
GMW-18	05/03/07	Blaine Tech for Parsons	-----	**10,000**	-----	-----	-----	**200**	<2.5	**13**	**56**	-----	<25	-----	-----	-----	-----
GMW-18	11/15/07	Blaine Tech for Parsons	-----	**1,900**	-----	-----	-----	**160**	<0.50	**4.1**	**26**	-----	**5.5**	-----	-----	-----	-----
GMW-18	04/17/08	Blaine Tech for Parsons	-----	**3,400**	-----	-----	-----	**180**	**0.87**	**13**	**100**	-----	**6.7**	-----	-----	-----	-----
GMW-18	10/16/08	Blaine Tech for Parsons	-----	-----	-----	-----	**2,800**	**33**	<0.50	**2.2**	**11**	<0.50	**4.7**	**12**	<2	<2	<2
GMW-18	04/23/09	Blaine Tech for Parsons	**880**	-----	-----	-----	**1,100**	**60**	<0.50	**1.4**	**5.0**	<0.50	**3.0**	**13**	<2	<2	<2
GMW-18	10/20/09	Blaine Tech for DESC	-----	-----	-----	-----	**2,700**	**15**	<0.50	**0.55**	**5.6**	<0.50	**7.0**	**13**	<2	<2	<2
GMW-18	04/16/10	Blaine Tech for DESC	**1,500**	-----	-----	-----	**7,200**	**80**	**0.84**	**0.49 J**	**1.6**	-----	**7.3**	**43**	<2	<2	<2
GMW-18	04/20/12	Parsons	**2,100**	-----	-----	-----	**4,700**	**67**	**0.4 J**	**1.1**	**5.9**	**1.7**	**3.5**	**57**	<2	<2	<2
GMW-18	07/10/12	Parsons	-----	-----	-----	-----	**7,800**	**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-19	11/27/96	GSI	**3,000**	-----	<500	<500	-----	**85**	<2.5	**23**	<5	-----	-----	-----	-----	-----	-----
GMW-19	07/10/97	GTI	<50	-----	<50	<50	-----	**2.5**	<1	<1	<2	-----	-----	-----	-----	-----	-----
GMW-19	01/07/98	GTI	<500	-----	<100	<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	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-19	05/27/99	GTI	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-19	11/18/99	IT Corporation	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-19	05/17/00	IT Corporation	<300	<100	-----	-----	-----	**0.47**	**0.45**	<0.30	**0.95**	-----	-----	-----	-----	-----	-----
GMW-19	12/01/00	IT Corporation	<300	**440**	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-19	05/09/01	IT Corporation	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-19	11/08/01	IT Corporation	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-19	04/11/02	IT Corporation	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-19	10/23/02	GTI	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-19	04/14/03	GTI	-----	<100	-----	-----	-----	<1	<1	<1	<2	-----	<3	-----	-----	-----	-----
GMW-19	10/10/03	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	**15**	-----	-----	-----	-----
GMW-19	04/21/04	Blaine Tech for Parsons	-----	**260**	-----	-----	-----	<0.50	<1	<1	<1	-----	**28**	-----	-----	-----	-----
GMW-19	11/04/04	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-19	05/06/05	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.30	<0.30	<0.30	**0.69**	-----	<5	-----	-----	-----	-----
GMW-19	11/08/05	Blaine Tech for Parsons	-----	<100	-----	-----	-----	**0.52**	**0.71**	**0.40**	**2.0**	-----	<5	-----	-----	-----	-----
GMW-19	05/04/06	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-19	12/08/06	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<1	-----	<5	-----	-----	-----	-----
GMW-19	05/03/07	Blaine Tech for Parsons	-----	**210**	-----	-----	-----	<0.50	<0.50	<0.50	<1	-----	<5	-----	-----	-----	-----
GMW-19	11/15/07	Blaine Tech for Parsons	-----	<100	-----	-----	-----	**0.50**	<0.50	<0.50	<1	-----	<5	-----	-----	-----	-----
GMW-19	04/17/08	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<1	-----	<5	-----	-----	-----	-----
GMW-19	10/16/08	Blaine Tech for Parsons	-----	-----	-----	-----	**140**	**0.60**	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-19	04/23/09	Blaine Tech for Parsons	-----	-----	-----	-----	<100	**0.70**	<0.50	<0.50	<0.50	-----	**0.67**	-----	<0.50	<0.50	<0.50
GMW-19	10/20/09	Blaine Tech for DESC	-----	-----	-----	-----	<100	**3.8**	<0.50	<0.50	<0.50	<0.50	**1.5**	<10	<2	<2	<2
GMW-19	04/16/10	Blaine Tech for DESC	-----	-----	-----	-----	**300**	**130**	<0.50	**0.66**	<0.50	-----	**21**	**12**	<2	<2	**0.52 J**
GMW-19	10/08/10	Blaine Tech for Parsons	-----	-----	-----	-----	**150**	**2.4**	-----	-----	-----	<0.50	**2.7**	<10	-----	-----	-----
GMW-19	10/10/11	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-19	04/18/12	Parsons	-----	-----	-----	-----	<100	**3.8**	<0.50	<0.50	<0.50	<0.50	**0.88**	<10	<2	<2	<2
GMW-19	10/15/12	Parsons	-----	-----	-----	-----	<100	<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-20	11/27/96	GSI	**1,100**	-----	<500	<500	-----	<2.5	<2.5	<2.5	<5	<2.5	-----	-----	-----	-----	-----
GMW-20	07/10/97	GTI	**160**	-----	**1,400**	<1200	-----	<5	<5	<5	<5	<5	<5	-----	-----	-----	-----
GMW-20	01/06/98	GTI	<500	-----	**1,100**	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-20	05/27/99	GTI	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-20	11/18/99	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-20	05/17/00	IT Corporation	<300	**120**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-20	11/30/00	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.50**	-----	-----	-----	-----
GMW-20	05/09/01	IT Corporation	<300	**110**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-20	11/07/01	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-20	04/11/02	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
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-22	10/04/10	Blaine Tech	**4,100**	**2,200**	-----	-----	-----	**1,900**	<10	**55**	**38**	<20	**47**	**1,300**	**50**	<20	<20
GMW-22	10/14/11	CH2M Hill	**28,000**	**9,000**	-----	-----	-----	**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	Blaine Tech for Parsons	-----	**1,900**	-----	-----	-----	<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-24	04/29/11	Blaine Tech	**70,000**	**690,000**	-----	-----	-----	**19,000**	**830**	**1,700**	**4,200**	<200	**530**	<2,000	<200	<200	<200
GMW-24	10/13/11	CH2M Hill	**58,000**	**17,000**	-----	-----	-----	**23,000**	**2,400**	**890**	**2,600**	<200	**490**	<2,000	<200	<200	<200
GMW-25	10/08/10	Blaine Tech	**15,000**	<49,000	-----	-----	-----	**6,900**	<50	**70**	<50	<100	**92**	<1,000	<100	<100	<100
GMW-25	04/14/11	Blaine Tech	**12,000**	**23,000**	-----	-----	-----	**6,800**	<25	<25	<25	<50	**36**	<500	<50	<50	<50
GMW-25	10/13/11	CH2M Hill	<20,000	**31,000**	-----	-----	-----	**9,700**	<100	**220**	<100	<200	<100	<2,000	<200	<200	<200
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**	<100	-----	-----	-----	**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**	**5,700**	-----	-----	-----	**3,700**	**160**	**42**	**530**	<25	**8,500**	-----	-----	-----	-----
GMW-26	05/16/00	Secor	**2,000**	**490**	-----	-----	-----	**1.9**	<0.50	<0.50	<0.50	**0.80**	**82**	-----	-----	-----	-----
GMW-26	11/30/00	Secor	**780**	**180**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**3.1**	**17**	-----	-----	-----	-----
GMW-26	05/08/01	Secor	**300**	**120**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**13**	**390**	-----	-----	-----	-----
GMW-26	11/06/01	Secor	<300	<100	-----	-----	-----	**0.70**	<0.50	<0.50	<0.50	**75**	**130**	-----	-----	-----	-----
GMW-26	04/09/02	Secor	<300	<100	-----	-----	-----	<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**	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**16**	**59**	-----	-----	-----	-----
GMW-26	07/08/04	Geomatrix	**62**	**290**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**17**	**27**	-----	-----	-----	-----

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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-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**	**4,940**	-----	-----	-----	**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**	**1,500**	-----	-----	-----	**1,100**	<25	<25	<25	<25	**1,000**	-----	-----	-----	-----
GMW-27	05/16/00	Secor	**5,500**	**3,600**	-----	-----	-----	**2,600**	<25	**25**	**34**	<25	**1,800**	-----	-----	-----	-----
GMW-27	11/30/00	Secor	**4,900**	**4,100**	-----	-----	-----	**2,100**	<25	<25	<25	<25	**1,600**	-----	-----	-----	-----
GMW-27	05/08/01	Secor	**5,300**	**4,000**	-----	-----	-----	**2,600**	<25	<25	<25	<25	**2,200**	-----	-----	-----	-----
GMW-27	11/06/01	Secor	**4,100**	**1,500**	-----	-----	-----	**1,600**	**6.4**	**6.7**	**28**	<0.50	**1,900**	-----	-----	-----	-----
GMW-27	04/09/02	Secor	**4,900**	**590**	-----	-----	-----	**2,300**	<10	**15**	<10	<10	**1,800**	-----	-----	-----	-----
GMW-27	10/23/02	Secor	**590**	**680**	-----	-----	-----	**1,800**	**13**	<10	**13**	<10	**1,400**	-----	-----	-----	-----
GMW-27	04/08/03	Secor	**4,600**	**640**	-----	-----	-----	**2,700**	<15	<15	**17**	<30	**2,000**	-----	-----	-----	-----
GMW-27	10/07/03	Secor	**10,000**	**890**	-----	-----	-----	**4,400**	<20	**47**	**120**	<40	**1,800**	-----	-----	-----	-----
GMW-27	01/27/04	Secor	**8,100**	**480**	-----	-----	-----	**3,600**	**19**	**29**	**115**	<30	**1,500**	-----	-----	-----	-----
GMW-27	04/21/04	Secor	**13,000**	**1,900**	-----	-----	-----	**6,200**	<25	**51**	<25	<50	**2,500**	-----	-----	-----	-----
GMW-27	07/08/04	Geomatrix	**1,900**	**540**	-----	-----	-----	**260**	<2.5	<2.5	<2.5	<5	**790**	-----	-----	-----	-----
GMW-27	11/03/04	Secor	**21,000**	**1,500**	-----	-----	-----	**8,800**	<50	**53**	**170**	<100	**700**	-----	-----	-----	-----
GMW-27	05/06/05	Secor	**1,100**	<100	-----	-----	-----	**440**	<2.5	<2.5	**4.3**	<5	**42**	-----	-----	-----	-----
GMW-27	11/03/05	Secor	**4,100**	**330**	-----	-----	-----	**2,000**	<10	<10	**17**	<20	**250**	-----	-----	-----	-----
GMW-27	05/09/06	Secor	**5,500**	**400**	-----	-----	-----	**2,800**	<15	**22**	<15	<30	**180**	-----	-----	-----	-----
GMW-27	12/06/06	Secor	**12,000**	**740**	-----	-----	-----	**6,400**	<50	**120**	<50	<100	**210**	-----	-----	-----	-----
GMW-27	05/02/07	Secor	**13,000**	**860**	-----	-----	-----	**7,400**	<50	<50	<50	<100	**230**	-----	-----	-----	-----
GMW-27	11/13/07	Secor	**11,000**	**550**	-----	-----	-----	**6,000**	<25	<25	<25	<50	**57**	-----	-----	-----	-----
GMW-27	04/18/08	Secor	**380**	**270**	-----	-----	-----	**130**	<1.5	<1.5	<1.5	<3	**21**	-----	-----	-----	-----
GMW-27	08/14/08	Secor	**1,000**	**490**	-----	-----	-----	**280**	<1.5	**1.5**	**1.6**	<3	**17**	-----	-----	-----	-----
GMW-27	11/21/08	Stantec	**3,100**	**340**	-----	-----	-----	**1,100**	<10	<10	<10	<20	**26**	-----	-----	-----	-----
GMW-27	04/20/09	Blaine Tech for AMEC	**100**	**130**	-----	-----	-----	**1.8**	<0.50	<0.50	<0.50	<0.50	**4.2**	**450**	**10**	<1	<1
GMW-27	10/22/09	Blaine Tech for Parsons	**130**	**140**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**5.7**	**830**	**17**	<1	<1
GMW-27	05/27/10	Blaine Tech	**95**	**130**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**2.6**	<10	**10**	<1	<1
GMW-27	10/07/10	Blaine Tech	**130**	<100	-----	-----	-----	**1.9**	<0.50	<0.50	<0.50	<0.50	**6.2**	**900**	**17**	<1	<1
GMW-27	04/13/11	Blaine Tech	<100	**120**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<1	**0.91**	**480**	**12**	<1	<1
GMW-27	10/12/11	CH2M Hill	<50	<100	-----	-----	-----	<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**	**21,000**	-----	-----	-----	**9,600**	<50	**370**	**160**	<50	**1,300**	-----	-----	-----	-----
GMW-28	11/28/00	Secor	**26,000**	**30,000**	-----	-----	-----	**13,000**	**53**	**650**	**1,139**	<0.50	**1,600**	-----	-----	-----	-----
GMW-28	05/08/01	Secor	**30,000**	**27,000**	-----	-----	-----	**15,000**	**190**	**660**	**310**	<5	**4,000**	-----	-----	-----	-----
GMW-28	11/06/01	Secor	**20,000**	**19,000**	-----	-----	-----	**14,000**	**51**	**460**	**241**	<0.50	**3,200**	-----	-----	-----	-----
GMW-28	04/09/02	Secor	**24,000**	**1,900**	-----	-----	-----	**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**	**4,700**	-----	-----	-----	**22,000**	**180**	**1,200**	**570**	<200	**280**	-----	-----	-----	-----
GMW-28	07/08/04	Geomatrix	**46,000**	**5,100**	-----	-----	-----	**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-29	11/28/00	Secor	**1,600**	**1,700**	-----	-----	-----	**170**	**97**	**8.0**	**300**	<0.50	**54**	-----	-----	-----	-----
GMW-29	05/08/01	Secor	**2,200**	**950**	-----	-----	-----	**1,300**	**59**	**21**	**30**	<0.50	<0.50	-----	-----	-----	-----
GMW-29	04/09/02	Secor	**13,000**	**11,000**	-----	-----	-----	**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**	**6,400**	-----	-----	-----	**8,700**	**6,000**	**910**	**2,800**	<200	<100	-----	-----	-----	-----
GMW-29	07/08/04	Geomatrix	**45,000**	**5,300**	-----	-----	-----	**8,900**	**6,500**	**900**	**4,000**	<100	<50	-----	-----	-----	-----
GMW-31	11/27/96	GSI	**1,100**	-----	<500	<500	-----	<2.5	<2.5	<2.5	<5	-----	-----	-----	-----	-----	-----
GMW-31	07/10/97	GTI	**55**	-----	**550**	<450	-----	**2.0**	<1	<1	<2	-----	-----	-----	-----	-----	-----
GMW-31	01/07/98	GTI	<500	-----	<100	<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	<100	-----	-----	-----	**4.8**	<0.30	**3.5**	<0.60	-----	-----	-----	-----	-----	-----
GMW-31	05/27/99	GTI	<300	**1,020**	-----	-----	-----	<0.30	<0.30	**0.52**	<0.60	-----	-----	-----	-----	-----	-----
GMW-31	11/18/99	IT Corporation	<300	**490**	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-31	05/17/00	IT Corporation	<300	**470**	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-31	12/01/00	IT Corporation	**530**	**680**	-----	-----	-----	<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 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-31	05/10/01	IT Corporation	<300	**120**	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-31	11/07/01	IT Corporation	<300	**170**	-----	-----	-----	**0.80**	**0.49**	<0.30	<0.60	-----	**9.9**	-----	-----	-----	-----
GMW-31	04/10/02	IT Corporation	<300	**120**	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-31	10/24/02	GTI	<300	<100	-----	-----	-----	<0.30	**0.49**	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-31	04/14/03	GTI	-----	**647**	-----	-----	-----	<1	<1	<1	<2	-----	<3	-----	-----	-----	-----
GMW-31	10/10/03	Blaine Tech for Parsons	-----	**200**	-----	-----	-----	**0.39**	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-31	04/22/04	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-31	11/06/04	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-31	05/07/05	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.30	**0.64**	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-31	11/08/05	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-31	05/05/06	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.30	**0.79**	**0.50**	**2.4**	-----	<5	-----	-----	-----	-----
GMW-31	12/08/06	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<1	-----	<5	-----	-----	-----	-----
GMW-31	05/03/07	Blaine Tech for Parsons	-----	**170**	-----	-----	-----	<0.50	<0.50	<0.50	<1	-----	<5	-----	-----	-----	-----
GMW-31	11/14/07	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<1	-----	<5	-----	-----	-----	-----
GMW-31	04/18/08	Blaine Tech for Parsons	-----	**810**	-----	-----	-----	<0.50	<0.50	<0.50	<1	-----	<5	-----	-----	-----	-----
GMW-31	10/17/08	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-31	04/22/09	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	-----	<0.50	-----	<0.50	<0.50	<0.50
GMW-31	10/20/09	Blaine Tech for DESC	-----	-----	-----	-----	**140**	<0.50	<0.50	<0.50	<0.50	<0.50	**0.57**	<10	<2	<2	<2
GMW-31	04/14/10	Blaine Tech for DESC	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	-----	<0.50	**4.6 J**	<2	<2	<2
GMW-31	10/08/10	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	-----	-----	-----	<0.50	<0.50	**6.5 J**	-----	-----	-----
GMW-31	04/11/11	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-31	10/10/11	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-31	04/16/12	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-31	10/16/12	Parsons	-----	-----	-----	-----	<100	<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-32	11/27/96	GSI	**430**	-----	<500	<500	-----	**13**	<0.50	**25**	<1	-----	-----	-----	-----	-----	-----
GMW-32	07/10/97	GTI	**63**	-----	**1,800**	<1600	-----	**1.7**	<1	<1	<2	-----	-----	-----	-----	-----	-----
GMW-32	01/06/98	GTI	<500	-----	<100	<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	<100	-----	-----	-----	<0.30	<0.30	**0.62**	<0.60	-----	-----	-----	-----	-----	-----
GMW-32	11/06/98	GTI	-----	**158**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GMW-32	05/27/99	GTI	<300	**307**	-----	-----	-----	**3.1**	<0.30	**5.0**	**1.4**	-----	-----	-----	-----	-----	-----
GMW-32	11/18/99	IT Corporation	<300	**6,500**	-----	-----	-----	**4.3**	<0.30	**6.9**	**1.2**	-----	-----	-----	-----	-----	-----
GMW-32	05/17/00	IT Corporation	**500**	**8,600**	-----	-----	-----	**8.0**	**3.4**	**16**	**14**	-----	-----	-----	-----	-----	-----
GMW-32	11/30/00	IT Corporation	**330**	**2,100**	-----	-----	-----	<0.30	<0.30	**4.2**	<0.60	-----	<5	-----	-----	-----	-----
GMW-32	05/09/01	IT Corporation	**1,000**	**9,500**	-----	-----	-----	**4.7**	<0.30	**1.2**	**2.8**	-----	<5	-----	-----	-----	-----
GMW-32	11/07/01	IT Corporation	**660**	**6,900**	-----	-----	-----	**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	**210**	-----	-----	-----	**1.5**	<0.30	**7.2**	<0.60	-----	<5	-----	-----	-----	-----
GMW-32	10/23/02	GTI	<300	**1,300**	-----	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-32	04/09/03	GTI	-----	**2,100**	-----	-----	-----	<1	**1.2**	<1	<2	-----	<3	-----	-----	-----	-----
GMW-32	10/10/03	Blaine Tech for Parsons	-----	**530**	-----	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-32	04/21/04	Blaine Tech for Parsons	-----	**1,500**	-----	-----	-----	**0.52**	<1	<1	<1	-----	<1	-----	-----	-----	-----
GMW-32	11/04/04	Blaine Tech for Parsons	-----	**910**	-----	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-32	05/06/05	Blaine Tech for Parsons	-----	**700**	-----	-----	-----	**0.31**	**0.64**	<0.30	**0.76**	-----	<5	-----	-----	-----	-----
GMW-32	11/08/05	Blaine Tech for Parsons	-----	**480**	-----	-----	-----	<0.30	**0.41**	<0.30	**0.70**	-----	<5	-----	-----	-----	-----
GMW-32	05/04/06	Blaine Tech for Parsons	-----	**690**	-----	-----	-----	**0.46**	**0.39**	**0.62**	**1.4**	-----	<5	-----	-----	-----	-----
GMW-32	12/08/06	Blaine Tech for Parsons	-----	**110**	-----	-----	-----	<0.50	<0.50	<0.50	<1	-----	<5	-----	-----	-----	-----
GMW-32	05/03/07	Blaine Tech for Parsons	-----	**190**	-----	-----	-----	<0.50	<0.50	<0.50	<1	-----	<5	-----	-----	-----	-----
GMW-32	11/16/07	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<1	-----	<5	-----	-----	-----	-----
GMW-32	04/17/08	Blaine Tech for Parsons	-----	**150**	-----	-----	-----	<0.50	<0.50	<0.50	<1	-----	<5	-----	-----	-----	-----
GMW-32	10/16/08	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-32	04/24/09	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-32	10/20/09	Blaine Tech for DESC	-----	-----	-----	-----	**250**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-32	04/16/10	Blaine Tech for DESC	-----	-----	-----	-----	**230**	<0.50	<0.50	**0.41 J**	<0.50	-----	<0.50	<10	<2	<2	<2
GMW-32	10/07/10	Blaine Tech for Parsons	-----	-----	-----	-----	**180**	<0.50	-----	-----	-----	<0.50	<0.50	<10	-----	-----	-----
GMW-32	04/14/11	Blaine Tech for Parsons	-----	-----	-----	-----	**160**	<0.50	<0.50	**0.25 J**	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-32	10/12/11	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-32	04/19/12	Parsons	-----	-----	-----	-----	**210**	<0.50	<0.50	<0.50	**0.26 J**	<0.50	<0.50	<10	<2	<2	<2
GMW-32	10/19/12	Parsons	-----	-----	-----	-----	**1,300**	**0.2 J**	<0.50	**0.14 J**	**0.32**	<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 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-32	04/10/13	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	<500	-----	<0.50	<0.50	<0.50	<1.5	<0.50	-----	-----	-----	-----	-----
GMW-33	07/10/97	GTI	<50	-----	**700**	<400	-----	<5	<5	<5	<5	<5	<5	-----	-----	-----	-----
GMW-33	01/06/98	GTI	<500	-----	<100	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-33	05/27/99	GTI	<300	**122**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-33	11/18/99	IT Corporation	<300	**120**	-----	-----	-----	<0.50	<1	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-33	05/17/00	IT Corporation	<300	**210**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-33	11/30/00	IT Corporation	<300	**430**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-33	05/09/01	IT Corporation	<300	**150**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-33	11/07/01	IT Corporation	<300	**200**	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.80**	-----	-----	-----	-----
GMW-34	11/18/99	IT Corporation	**9,500**	**17,000**	-----	-----	-----	**30**	**3.5**	**8.3**	**81**	<0.50	**24**	-----	-----	-----	-----
GMW-34	05/17/00	IT Corporation	**740**	**3,700**	-----	-----	-----	<0.50	<0.50	**1.5**	**11**	<0.50	**30**	-----	-----	-----	-----
GMW-34	12/01/00	IT Corporation	<300	**110**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**10**	-----	-----	-----	-----
GMW-34	05/10/01	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**7.3**	-----	-----	-----	-----
GMW-34	11/08/01	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**1.2**	-----	-----	-----	-----
GMW-34	04/12/02	IT Corporation	**960**	**1,500**	-----	-----	-----	**240**	**1.4**	**33**	**81**	<0.50	**2.5**	-----	-----	-----	-----
GMW-35	05/09/01	IT Corporation	**20,000**	**22,000**	-----	-----	-----	**1,300**	**11**	**580**	**4,100**	<10	<10	-----	-----	-----	-----
GMW-35	04/10/03	GTI	-----	**15,600**	-----	-----	-----	**65**	**31**	**109**	**159**	-----	<3	-----	-----	-----	-----
GMW-35	10/10/03	Blaine Tech for Parsons	-----	**16,000**	-----	-----	-----	**100**	<15	**120**	**650**	-----	<250	-----	-----	-----	-----
GMW-35	04/21/04	Blaine Tech for Parsons	-----	**19,000**	-----	-----	-----	**110**	<1	**45**	**7.3**	-----	**1.5**	-----	-----	-----	-----
GMW-35	11/04/04	Blaine Tech for Parsons	-----	**18,000**	-----	-----	-----	**62**	<3	**13**	**28**	-----	<50	-----	-----	-----	-----
GMW-35	05/05/05	Blaine Tech for Parsons	-----	**4,700**	-----	-----	-----	**10**	**1.4**	**33**	**22**	-----	<10	-----	-----	-----	-----
GMW-35	11/05/05	Blaine Tech for Parsons	-----	**3,100**	-----	-----	-----	**9.1**	**2.2**	**31**	**17**	-----	<25	-----	-----	-----	-----
GMW-35	05/03/06	Blaine Tech for Parsons	-----	**17,000**	-----	-----	-----	**7.9**	**2.9**	**20**	**12**	-----	<5	-----	-----	-----	-----
GMW-35	12/08/06	Blaine Tech for Parsons	-----	**4,800**	-----	-----	-----	**14**	<0.50	**9.0**	**6.9**	-----	<5	-----	-----	-----	-----
GMW-35	05/04/07	Blaine Tech for Parsons	-----	**4,700**	-----	-----	-----	**21**	**0.86**	**1.3**	**5.3**	-----	**6.1**	-----	-----	-----	-----
GMW-35	11/15/07	Blaine Tech for Parsons	-----	**2,400**	-----	-----	-----	**26**	<0.50	<0.50	<1	-----	**7.7**	-----	-----	-----	-----
GMW-35	04/17/08	Blaine Tech for Parsons	-----	**1,300**	-----	-----	-----	**18**	<0.50	**1.8**	**2.5**	-----	<5	-----	-----	-----	-----
GMW-35	04/24/09	Blaine Tech for Parsons	-----	-----	-----	-----	**520**	**63**	<5	<5	<5	-----	**210**	-----	<5	<5	<5
GMW-35	04/16/10	Blaine Tech for DESC	-----	-----	-----	-----	**1,900**	**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**	**6,650**	-----	-----	-----	**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**	**22,000**	-----	-----	-----	**8,100**	**5,600**	<250	**1,770**	<250	**47,000**	-----	-----	-----	-----
GMW-36	05/17/00	Secor	**59,000**	**53,000**	-----	-----	-----	**14,000**	**6,700**	**480**	**4,100**	<130	**45,000**	-----	-----	-----	-----
GMW-36	11/30/00	Secor	**110,000**	**66,000**	-----	-----	-----	**20,000**	**19,000**	**1,600**	**8,100**	<0.50	**13,000**	-----	-----	-----	-----
GMW-36	02/06/01	Secor	**75,000**	**55,000**	-----	-----	-----	**18,000**	**13,000**	**1,400**	**6,100**	<50	**9,100**	-----	-----	-----	-----
GMW-36	05/10/01	Secor	**12,000**	**5,100**	-----	-----	-----	**3,700**	**2,500**	**420**	**1,730**	<0.50	**1,600**	-----	-----	-----	-----
GMW-36	09/19/01	Secor	**21,000**	**37,000**	-----	-----	-----	**5,800**	**3,600**	**580**	**2,080**	<13	**1,000**	-----	-----	-----	-----
GMW-36	11/06/01	Secor	**63,000**	**40,000**	-----	-----	-----	**16,000**	**13,000**	**1,600**	**7,700**	<25	**3,200**	-----	-----	-----	-----
GMW-36	01/30/02	Secor	**130,000**	**68,000**	-----	-----	-----	**21,000**	**20,000**	**1,700**	**9,000**	<125	**42,000**	-----	-----	-----	-----
GMW-36	04/10/02	Secor	**150,000**	**49,000**	-----	-----	-----	**25,000**	**22,000**	**1,800**	**10,000**	<50	**67,000**	-----	-----	-----	-----
GMW-36	07/30/02	IT Corporation	**81,000**	**110,000**	-----	-----	-----	**28,000**	**29,000**	**2,200**	**11,800**	<50	**37,000**	-----	-----	-----	-----
GMW-36	12/06/06	Secor	**32,000**	**10,000**	-----	-----	-----	**5,300**	**4,300**	**480**	**4,300**	<50	**1,600**	-----	-----	-----	-----
GMW-36	03/13/07	Secor	**54,000**	**7,200**	-----	-----	-----	**9,400**	**12,000**	**1,100**	**8,200**	<200	**3,800**	-----	-----	-----	-----
GMW-36	05/05/07	Secor	**69,000**	**11,000**	-----	-----	-----	**9,800**	**11,000**	**1,200**	**8,000**	<200	**3,900**	-----	-----	-----	-----
GMW-36	08/29/07	Secor	**30,000**	**9,800**	-----	-----	-----	**4,100**	**4,200**	**420**	**4,500**	**120**	**890**	-----	-----	-----	-----
GMW-36	02/20/08	Secor	**34,000**	**9,100**	-----	-----	-----	**3,900**	**6,000**	**750**	**4,600**	<50	**43**	-----	-----	-----	-----
GMW-36	04/16/08	Secor	**42,000**	**11,000**	-----	-----	-----	**5,200**	**8,300**	**940**	**6,200**	<200	<100	-----	-----	-----	-----
GMW-36	10/16/08	Stantec	**17,000**	**32,000**	-----	-----	-----	**2,100**	**2,000**	**160**	**2,300**	<20	**26**	-----	-----	-----	-----
GMW-36	07/22/09	Blaine Tech	**24,000**	**15,000**	-----	-----	-----	**3,800**	**5,400**	**720**	**3,380**	<50	**28**	<500	<50	<50	<50
GMW-36	03/16/10	Blaine Tech for Parsons	**8,000**	**22,000**	-----	-----	-----	**830**	**1,100**	**140**	**700**	<10	**16**	**690**	<10	<10	<10
GMW-36	04/16/10	Blaine Tech	**4,200**	**25,000**	-----	-----	-----	**850**	**150**	**89**	**200**	<5	**11**	**3,700**	<5	<5	<5
GMW-36	07/13/10	Blaine Tech	**500**	**4,500**	-----	-----	-----	**49**	**51**	**4.9**	**43**	<0.50	**0.91**	**340**	<1	<1	<1

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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	08/12/10	Blaine Tech	**9,200**	**2,200**	-----	-----	-----	**1,400**	**1,100**	**52**	**980**	<10	**18**	**1,600**	<10	<10	<10
GMW-36	09/20/10	Blaine Tech	**3,300**	**5,200**	-----	-----	-----	**130**	**18**	**36**	**120**	<1	**130**	**13,000**	<1	<1	**1.6**
GMW-36	10/05/10	Blaine Tech	**15,000**	**3,100**	-----	-----	-----	**2,500**	**1,300**	**390**	**1,200**	<20	**30**	**1,300**	<20	<20	<20
GMW-36	11/23/10	Blaine Tech	**31,000**	**21,000**	-----	-----	-----	**5,100**	**3,400**	**890**	**2,600**	<40	**51**	**470**	<40	<40	<40
GMW-36	12/22/10	Blaine Tech	**63,000**	**73,000**	-----	-----	-----	**6,700**	**9,600**	**1,700**	**5,600**	<50	**28**	<500	<50	<50	<50
GMW-36	01/12/11	Blaine Tech	**320,000**	**130,000**	-----	-----	-----	**4,600**	**2,900**	**1,400**	**9,200**	<200	<100	<2,000	<200	<200	<200
GMW-36	02/24/11	Blaine Tech	**1,600**	**3,900**	-----	-----	-----	**110**	**77**	**19**	**130**	<1	**2.5**	**2,200**	<1	<1	<1
GMW-36	03/23/11	Blaine Tech	**3,200**	**2,900**	-----	-----	-----	**360**	**340**	**28**	**240**	<3	**7.6**	**2,400**	<3	<3	<3
GMW-36	04/29/11	Blaine Tech	**1,500**	**10,000**	-----	-----	-----	**75**	**67**	**6.8**	**113**	<0.50	**3.3**	**1,700**	<1	<1	<1
GMW-36	05/13/11	Blaine Tech	**13,000**	**11,000**	-----	-----	-----	**2,300**	**2,100**	**93**	**1,640**	<20	**43**	<200	<20	<20	<20
GMW-36	06/22/11		**420**	**1,500**	-----	-----	-----	**24**	**12**	**2.8**	**29**	<0.50	**110**	**5,900**	<1	<1	<1
GMW-36	07/29/11	CH2M Hill	**7,300**	**3,200**	-----	-----	-----	**560**	**570**	**61**	**990**	<10	**350**	**4,600**	<10	<10	<10
GMW-36	08/19/11	CH2M Hill	**13,000**	**6,200**	-----	-----	-----	**570**	**1,100**	**250**	**1,900**	<20	**260**	**9,000**	<20	<20	<20
GMW-36	09/22/11	CH2M Hill	**5,200**	**2,200**	-----	-----	-----	**490**	**240**	**52**	**470**	<5	**660**	**7,400**	<5	<5	**17**
GMW-36	10/13/11	CH2M Hill	**22,000**	**160,000**	-----	-----	-----	**610**	**490**	**430**	**2,200**	<20	**250**	**3,700**	<20	<20	**43**
GMW-36	11/23/11	CH2M Hill	**630**	**34,000**	-----	-----	-----	**17**	<2.5	<2.5	**14**	<5	**110**	**6,000**	<5	<5	<5
GMW-36	12/21/11	CH2M Hill	**700**	**560**	-----	-----	-----	**59**	**55**	**14**	**65**	<0.50	**2.1**	**340**	<1	<1	<1
GMW-36	01/10/12	CH2M Hill	**380**	**290**	-----	-----	-----	**78**	**1.6**	**5.1**	**13**	<0.50	**94**	**4,900**	<1	<1	**1.3**
GMW-36	02/23/12	CH2M HILL	**45,000**	**14,000**	-----	-----	-----	**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-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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**16**	-----	-----	-----	-----
GMW-37	05/17/00	Secor	<300	**760**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**16**	-----	-----	-----	-----
GMW-37	11/30/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**34**	-----	-----	-----	-----
GMW-37	02/06/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**54**	-----	-----	-----	-----
GMW-37	05/08/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-37	09/19/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**11**	-----	-----	-----	-----
GMW-37	11/06/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**49**	-----	-----	-----	-----
GMW-37	01/30/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**1.3**	-----	-----	-----	-----
GMW-37	04/10/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**7.2**	-----	-----	-----	-----
GMW-37	10/22/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**49**	-----	-----	-----	-----
GMW-37	01/29/03	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.75**	-----	-----	-----	-----
GMW-37	04/09/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.86**	-----	-----	-----	-----
GMW-37	07/30/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-37	10/06/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**4.3**	-----	-----	-----	-----
GMW-37	01/27/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-37	04/20/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-37	07/19/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**2.6**	-----	-----	-----	-----
GMW-37	11/02/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-37	02/02/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-37	05/04/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-37	08/01/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-37	11/01/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-37	02/27/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-37	05/02/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-37	09/18/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-37	12/05/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-37	05/04/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-37	11/14/07	Secor	<50	<100	-----	-----	-----	<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 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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	04/16/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-37	10/14/08	Stantec	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-37	04/23/09	Blaine Tech for AMEC	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-37	10/19/09	Blaine Tech for Parsons	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-37	05/26/10	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-37	10/06/10	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-37	04/12/11	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-37	10/11/11	CH2M Hill	<50	<100	-----	-----	-----	<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-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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**1.7**	-----	-----	-----	-----
GMW-38	05/17/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-38	11/30/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.80**	-----	-----	-----	-----
GMW-38	05/08/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-38	11/06/01	Secor	<300	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-38	10/23/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-38	01/29/03	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-38	04/09/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**1.5**	-----	-----	-----	-----
GMW-38	07/30/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-38	10/06/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-38	01/28/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-38	04/20/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**1.4**	-----	-----	-----	-----
GMW-38	07/19/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-38	11/02/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-38	02/02/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-38	05/04/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**1.1**	-----	-----	-----	-----
GMW-38	08/02/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-38	11/01/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-38	02/28/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.66**	-----	-----	-----	-----
GMW-38	05/02/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-38	09/18/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-38	12/05/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-38	03/13/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-38	05/05/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-38	08/30/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-38	11/13/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-38	04/22/09	Blaine Tech for AMEC	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.74**	<10	<1	<1	<1
GMW-38	07/21/09	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.55**	**27**	<1	<1	<1
GMW-38	10/21/09	Blaine Tech for Parsons	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**29**	<1	<1	<1
GMW-38	03/15/10	Blaine Tech for Parsons	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	05/26/10	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	07/13/10	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.50**	<10	<1	<1	<1
GMW-38	10/06/10	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	01/11/11	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	04/12/11	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	07/12/11	CH2M Hill	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	10/12/11	CH2M Hill	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	01/10/12	CH2M Hill	<50	<100	-----	-----	-----	<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

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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	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-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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**12**	-----	-----	-----	-----
GMW-39	05/17/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**9.4**	-----	-----	-----	-----
GMW-39	11/29/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**16**	-----	-----	-----	-----
GMW-39	05/08/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-39	11/06/01	Secor	<300	<100	-----	-----	-----	**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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**20**	-----	-----	-----	-----
GMW-39	10/22/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**89**	-----	-----	-----	-----
GMW-39	01/29/03	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**32**	-----	-----	-----	-----
GMW-39	04/09/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**23**	-----	-----	-----	-----
GMW-39	07/30/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**3.3**	-----	-----	-----	-----
GMW-39	10/06/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**6.6**	-----	-----	-----	-----
GMW-39	01/28/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**3.6**	-----	-----	-----	-----
GMW-39	04/20/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**4.8**	-----	-----	-----	-----
GMW-39	07/19/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**3.7**	-----	-----	-----	-----
GMW-39	11/03/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**3.7**	-----	-----	-----	-----
GMW-39	02/02/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**1.7**	-----	-----	-----	-----
GMW-39	05/04/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-39	08/02/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-39	11/01/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-39	02/27/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.59**	-----	-----	-----	-----
GMW-39	05/02/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-39	09/19/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**3.7**	-----	-----	-----	-----
GMW-39	12/06/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**4.0**	-----	-----	-----	-----
GMW-39	03/13/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**4.5**	-----	-----	-----	-----
GMW-39	05/04/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**2.9**	-----	-----	-----	-----
GMW-39	08/29/07	Secor	<500	<100	-----	-----	-----	<2.5	<2.5	<2.5	<2.5	<5	**3.6**	-----	-----	-----	-----
GMW-39	11/13/07	Secor	**160**	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<1	**2.6**	-----	-----	-----	-----
GMW-39	02/20/08	Secor	**110**	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**2.9**	-----	-----	-----	-----
GMW-39	04/16/08	Secor	**90**	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**1.9**	-----	-----	-----	-----
GMW-39	08/14/08	Secor	<100	**120**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<1	**1.1**	-----	-----	-----	-----
GMW-39	10/15/08	Stantec	<500	<100	-----	-----	-----	<2.5	<2.5	<2.5	<2.5	<5	**5.6**	-----	-----	-----	-----
GMW-39	02/24/09	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**3,400**	-----	-----	-----
GMW-39	04/22/09	Blaine Tech for AMEC	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**4,000**	<1	<1	<1
GMW-39	07/21/09	Blaine Tech	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<1	<0.50	**2,500**	<1	<1	<1
GMW-39	10/22/09	Blaine Tech for Parsons	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.50**	**2,200**	<1	<1	<1
GMW-39	03/16/10	Blaine Tech for Parsons	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**130**	<1	<1	<1
GMW-39	05/27/10	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-39	07/13/10	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**230**	<1	<1	<1
GMW-39	10/07/10	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.75**	**550**	<1	<1	<1
GMW-39	01/11/11	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**68**	<1	<1	<1
GMW-39	04/13/11	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-39	07/12/11	CH2M Hill	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-39	10/11/11	CH2M Hill	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**96**	<1	<1	<1
GMW-39	01/10/12	CH2M Hill	<50	<100	-----	-----	-----	<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

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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	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-40	11/27/96	Terra Services	**400**	-----	<500	<500	-----	**0.50**	<0.50	**5.8**	**5.9**	<0.50	<5	-----	-----	-----	-----
GMW-40	07/10/97	GTI	**210**	-----	**2,600**	<300	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GMW-40	01/07/98	GTI	<500	-----	<100	<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	<100	-----	-----	-----	<0.50	<0.50	**3.8**	**7.6**	<0.50	<0.50	-----	-----	-----	-----
GMW-40	05/26/99	GTI	<300	<100	-----	-----	-----	**0.90**	<0.50	<0.50	<0.50	<0.50	**4.4**	-----	-----	-----	-----
GMW-40	11/18/99	IT Corporation	<300	**220**	-----	-----	-----	**2.8**	<0.50	**0.90**	**2.8**	<0.50	**9.3**	-----	-----	-----	-----
GMW-40	05/17/00	IT Corporation	<300	**430**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**11**	-----	-----	-----	-----
GMW-40	12/01/00	IT Corporation	<300	**320**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-40	05/10/01	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-40	11/08/01	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	**1.1**	**3.1**	<0.50	**19**	-----	-----	-----	-----
GMW-40	04/12/02	IT Corporation	<300	<100	-----	-----	-----	**1.7**	<0.50	**0.70**	**0.90**	<0.50	**17**	-----	-----	-----	-----
GMW-40	04/16/03	GTI	-----	<100	-----	-----	-----	**5.2**	<0.50	**2.7**	**4.7**	<0.50	**55**	-----	-----	-----	-----
GMW-40	10/08/03	Blaine Tech for Parsons	-----	**170**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**52**	-----	-----	-----	-----
GMW-40	04/22/04	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**39**	<10	<2	<2	<2
GMW-40	11/06/04	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-40	05/07/05	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	**0.70**	<0.50	**0.76**	<10	<2	<2	<2
GMW-40	11/08/05	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.76**	<10	<2	<2	<2
GMW-40	05/05/06	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**4.9**	<10	<2	<2	<2
GMW-40	12/08/06	Blaine Tech for Parsons	-----	**110**	-----	-----	-----	**0.87**	<0.50	<0.50	**14**	<0.50	**15**	<10	<2	<2	<2
GMW-40	05/03/07	Blaine Tech for Parsons	-----	**440**	-----	-----	-----	**3.7**	<0.50	**2.2**	**27**	<0.50	**46**	**63**	<2	<2	<2
GMW-40	11/16/07	Blaine Tech for Parsons	-----	<100	-----	-----	-----	**0.61**	<0.50	**1.9**	**8.4**	<0.50	<0.50	<10	<2	<2	<2
GMW-40	04/18/08	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-40	10/17/08	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	**1.2**	<10	<2	<2	<2
GMW-40	04/24/09	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-40	10/21/09	Blaine Tech for DESC	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	**0.4 J**	<10	<2	<2	<2
GMW-40	04/14/10	Blaine Tech for DESC	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	-----	<0.50	<10	<2	<2	<2
GMW-40	10/06/10	Blaine Tech	<50	<100	-----	-----	-----	**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-41	11/27/96	GSI	**250**	-----	<500	<500	-----	<0.50	<0.50	<0.50	<1	<0.50	-----	-----	-----	-----	-----
GMW-41	07/10/97	GTI	**75**	-----	**1,200**	<1,000	-----	<5	<5	<5	<5	<5	<5	-----	-----	-----	-----
GMW-41	01/07/98	GTI	<500	-----	<100	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**1.0**	-----	-----	-----	-----
GMW-41	05/26/99	GTI	<300	**116**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-41	11/18/99	IT Corporation	<300	**390**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-41	05/17/00	IT Corporation	<300	**280**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-41	11/30/00	IT Corporation	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-41	05/10/01	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-41	11/08/01	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-41	04/12/02	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.80**	-----	-----	-----	-----
GMW-41	10/24/02	GTI	<300	**1,000**	-----	-----	-----	<0.50	<1	<1	<1	<0.50	**1.1**	-----	-----	-----	-----
GMW-41	04/16/03	GTI	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-41	10/08/03	Blaine Tech for Parsons	-----	**350**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**2.4**	-----	-----	-----	-----
GMW-41	04/22/04	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**3.3**	<10	<2	<2	<2
GMW-41	11/06/04	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**3.6**	<10	<2	<2	<2
GMW-41	05/07/05	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-41	11/08/05	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-41	05/05/06	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-41	12/08/06	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-41	05/03/07	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.51**	<10	<2	<2	<2
GMW-41	11/16/07	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-41	04/18/08	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-41	10/17/08	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-41	04/22/09	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-41	10/21/09	Blaine Tech for DESC	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	**0.43 J**	<10	<2	<2	<2
GMW-41	04/14/10	Blaine Tech for DESC	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	-----	**0.33 J**	**5.7 J**	<2	<2	<2
GMW-41	10/06/10	Blaine Tech	<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 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	-----	-----	-----	<0.50	<0.50	<10	-----	-----	-----
GMW-41	04/11/11	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-41	10/11/11	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-41	04/16/12	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**5.4 J**	<2	<2	<2
GMW-41	10/16/12	Parsons	-----	-----	-----	-----	<100	<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-42	11/05/98	GTI	**7,530**	**3,340**	-----	-----	-----	**800**	<7.5	**55**	**810**	-----	-----	-----	-----	-----	-----
GMW-42	05/27/99	GTI	**6,510**	**14,200**	-----	-----	-----	**1,100**	**110**	**60**	**580**	-----	-----	-----	-----	-----	-----
GMW-42	11/18/99	IT Corporation	**7,900**	**17,000**	-----	-----	-----	**810**	**490**	**180**	**1,200**	-----	-----	-----	-----	-----	-----
GMW-42	05/17/00	IT Corporation	**3,800**	**20,000**	-----	-----	-----	**9.9**	**1.2**	**26**	**230**	-----	-----	-----	-----	-----	-----
GMW-42	12/01/00	IT Corporation	**380**	**2,700**	-----	-----	-----	**1.0**	<0.30	<0.30	<0.60	-----	**18**	-----	-----	-----	-----
GMW-42	05/10/01	IT Corporation	**490**	**620**	-----	-----	-----	**24**	**40**	**11**	**79**	-----	**5.3**	-----	-----	-----	-----
GMW-42	11/07/01	IT Corporation	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	**1.6**	-----	<5	-----	-----	-----	-----
GMW-42	04/10/02	IT Corporation	<300	<100	-----	-----	-----	<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-43	11/27/96	GSI	**620**	-----	<500	<500	-----	<0.50	<0.50	<0.50	<1	-----	-----	-----	-----	-----	-----
GMW-43	07/10/97	GTI	<50	-----	<50	<50	-----	<0.50	<1	<1	<2	-----	-----	-----	-----	-----	-----
GMW-43	01/07/98	GTI	<500	-----	<100	<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	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-43	05/27/99	GTI	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-43	11/18/99	IT Corporation	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-43	05/17/00	IT Corporation	<300	**170**	-----	-----	-----	**0.92**	<0.30	**0.45**	<0.60	-----	-----	-----	-----	-----	-----
GMW-43	11/30/00	IT Corporation	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-43	05/09/01	IT Corporation	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-43	11/07/01	IT Corporation	<300	**150**	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-43	04/11/02	IT Corporation	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-43	10/23/02	GTI	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-43	04/14/03	GTI	-----	<100	-----	-----	-----	<1	<1	<1	<2	-----	<3	-----	-----	-----	-----
GMW-43	10/08/03	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-43	04/21/04	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<1	<1	<1	-----	<1	-----	-----	-----	-----
GMW-43	11/06/04	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-43	05/10/05	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.30	**0.68**	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-43	11/08/05	Blaine Tech for Parsons	-----	**200**	-----	-----	-----	<0.30	**0.47**	<0.30	**0.31**	-----	<5	-----	-----	-----	-----
GMW-43	05/04/06	Blaine Tech for Parsons	-----	**180**	-----	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-43	12/08/06	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<1	-----	<5	-----	-----	-----	-----
GMW-43	05/03/07	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<1	-----	**8.0**	-----	-----	-----	-----
GMW-43	11/15/07	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<1	-----	<5	-----	-----	-----	-----
GMW-43	04/17/08	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<1	-----	<5	-----	-----	-----	-----
GMW-43	10/16/08	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-43	04/23/09	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	-----	<0.50	-----	<0.50	<0.50	<0.50
GMW-43	10/21/09	Blaine Tech for DESC	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-43	04/15/10	Blaine Tech for DESC	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	-----	<0.50	<10	<2	<2	<2
GMW-43	10/08/10	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	-----	-----	-----	<0.50	<0.50	<10	-----	-----	-----
GMW-43	04/11/11	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-43	10/11/11	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-43	04/16/12	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**19**	<2	<2	<2
GMW-43	10/16/12	Parsons	-----	-----	-----	-----	<100	<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-44	11/27/96	GSI	**820**	-----	<500	<500	-----	<0.50	<0.50	<0.50	<1	-----	-----	-----	-----	-----	-----
GMW-44	07/10/97	GTI	**68**	-----	**1,100**	<1,000	-----	<0.50	<1	<1	<2	-----	-----	-----	-----	-----	-----
GMW-44	01/06/98	GTI	<500	-----	**700**	<100	-----	<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	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-44	05/27/99	GTI	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-44	11/18/99	IT Corporation	<300	**310**	-----	-----	-----	<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 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-44	05/17/00	IT Corporation	<300	**240**	-----	-----	-----	<0.30	<0.30	<0.30	**1.9**	-----	-----	-----	-----	-----	-----
GMW-44	11/30/00	IT Corporation	<300	**280**	-----	-----	-----	**0.98**	<0.30	**0.95**	<0.60	-----	<5	-----	-----	-----	-----
GMW-44	05/09/01	IT Corporation	<300	**190**	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-44	11/07/01	IT Corporation	<300	**270**	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-44	04/11/02	IT Corporation	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-44	10/23/02	GTI	<300	**120**	-----	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-44	04/14/03	GTI	-----	<100	-----	-----	-----	<1	<1	<1	<2	-----	<3	-----	-----	-----	-----
GMW-44	10/08/03	Blaine Tech for Parsons	-----	**230**	-----	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-44	04/21/04	Blaine Tech for Parsons	-----	**160**	-----	-----	-----	<0.50	<1	<1	<1	-----	<1	-----	-----	-----	-----
GMW-44	11/04/04	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-44	05/06/05	Blaine Tech for Parsons	-----	**120**	-----	-----	-----	**0.45**	**0.68**	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-44	11/08/05	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.30	<0.30	<0.30	**0.39**	-----	<5	-----	-----	-----	-----
GMW-44	05/04/06	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----
GMW-44	12/08/06	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<1	-----	<5	-----	-----	-----	-----
GMW-44	05/04/07	Blaine Tech for Parsons	-----	**160**	-----	-----	-----	<0.50	<0.50	<0.50	<1	-----	**8.3**	-----	-----	-----	-----
GMW-44	11/15/07	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<1	-----	<5	-----	-----	-----	-----
GMW-44	04/17/08	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<1	-----	<5	-----	-----	-----	-----
GMW-44	10/16/08	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-44	04/23/09	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	-----	<0.50	-----	<0.50	<0.50	<0.50
GMW-44	10/21/09	Blaine Tech for DESC	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-44	04/15/10	Blaine Tech for DESC	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	-----	<0.50	<10	<2	<2	<2
GMW-44	10/08/10	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	-----	-----	-----	<0.50	<0.50	<10	-----	-----	-----
GMW-44	04/11/11	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-44	10/11/11	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-44	04/16/12	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**10**	<2	<2	<2
GMW-44	10/16/12	Parsons	-----	-----	-----	-----	<100	<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-45	11/22/96	GSI	**23,000**	-----	<500	<500	-----	**1,100**	**230**	**580**	**2,900**	<0.50	-----	-----	-----	-----	-----
GMW-45	07/09/97	GTI	**1,100**	-----	**2,700**	<2,000	-----	**330**	<5	**280**	**930**	-----	-----	-----	-----	-----	-----
GMW-45	01/06/98	GTI	**3,200**	-----	**3,400**	**4,700**	-----	**286**	**1.3**	**188**	**543**	-----	-----	-----	-----	-----	-----
GMW-45	05/20/98	BBC	**4,200**	-----	-----	-----	-----	**270**	**221**	**109**	**569**	-----	-----	-----	-----	-----	-----
GMW-45	11/05/98	GTI	**1,400**	<100	-----	-----	-----	**81**	<0.30	**40**	**75**	-----	-----	-----	-----	-----	-----
GMW-45	05/27/99	GTI	**3,750**	**3,890**	-----	-----	-----	**420**	<0.60	**180**	**390**	-----	-----	-----	-----	-----	-----
GMW-45	11/18/99	IT Corporation	**3,960**	**3,100**	-----	-----	-----	**380**	<3	**140**	**100**	-----	-----	-----	-----	-----	-----
GMW-45	05/17/00	IT Corporation	**5,200**	**5,500**	-----	-----	-----	**620**	**8.0**	**87**	**37**	-----	-----	-----	-----	-----	-----
GMW-45	11/29/00	IT Corporation	**2,400**	**3,100**	-----	-----	-----	**330**	**1.3**	**6.0**	**4.0**	-----	<10	-----	-----	-----	-----
GMW-45	05/09/01	IT Corporation	**6,500**	**4,100**	-----	-----	-----	**620**	**74**	**51**	**420**	-----	<50	-----	-----	-----	-----
GMW-45	11/07/01	IT Corporation	**5,700**	**3,000**	-----	-----	-----	**730**	<3	**8.5**	**19**	-----	<50	-----	-----	-----	-----
GMW-45	04/10/02	IT Corporation	**9,800**	**6,500**	-----	-----	-----	**900**	**21**	**69**	**240**	-----	**240**	-----	-----	-----	-----
GMW-45	10/23/02	GTI	**3,200**	**1,300**	-----	-----	-----	**770**	**5.5**	**120**	**290**	-----	<5	-----	-----	-----	-----
GMW-45	04/10/03	GTI	-----	**1,570**	-----	-----	-----	**344**	**11**	**5.6**	**10**	-----	<6	-----	-----	-----	-----
GMW-45	10/08/03	Blaine Tech for Parsons	-----	**3,400**	-----	-----	-----	**470**	<0.60	**6.5**	**3.7**	-----	<10	-----	-----	-----	-----
GMW-45	04/21/04	Blaine Tech for Parsons	-----	**1,400**	-----	-----	-----	**140**	<1	**2.5**	<1	-----	<1	-----	-----	-----	-----
GMW-45	11/04/04	Blaine Tech for Parsons	-----	**1,500**	-----	-----	-----	**84**	<0.30	**3.0**	**2.9**	-----	<5	-----	-----	-----	-----
GMW-45	05/05/05	Blaine Tech for Parsons	-----	**6,900**	-----	-----	-----	**670**	**17**	**520**	**720**	-----	<50	-----	-----	-----	-----
GMW-45	11/05/05	Blaine Tech for Parsons	-----	**2,200**	-----	-----	-----	**340**	**0.46**	**130**	**250**	-----	**10**	-----	-----	-----	-----
GMW-45	05/03/06	Blaine Tech for Parsons	-----	**2,400**	-----	-----	-----	**76**	**4.1**	**11**	**16**	-----	<5	-----	-----	-----	-----
GMW-45	12/05/06	Blaine Tech for Parsons	-----	**1,200**	-----	-----	-----	**67**	**1.9**	**3.6**	**6.4**	-----	<5	-----	-----	-----	-----
GMW-45	05/02/07	Blaine Tech for Parsons	-----	**1,500**	-----	-----	-----	**37**	**0.56**	**2.0**	**3.0**	-----	**11**	-----	-----	-----	-----
GMW-45	11/14/07	Blaine Tech for Parsons	-----	**590**	-----	-----	-----	**42**	<0.50	<0.50	<1	-----	**9.6**	-----	-----	-----	-----
GMW-45	04/16/08	Blaine Tech for Parsons	-----	**1,500**	-----	-----	-----	**21**	**0.52**	**1.4**	**2.9**	-----	<5	-----	-----	-----	-----
GMW-45	10/15/08	Blaine Tech for Parsons	-----	-----	-----	-----	**730**	**9.7**	<0.50	**1.9**	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-45	04/21/09	Blaine Tech for Parsons	-----	-----	-----	-----	**1,200**	**11**	<2	<2	<2	-----	<2	-----	-----	-----	-----
GMW-45	10/21/09	Blaine Tech for DESC	-----	-----	-----	-----	**1,600**	**15**	<0.50	**2.2**	<0.50	<0.50	<0.50	**11**	<2	<2	<2
GMW-45	04/12/10	Blaine Tech for DESC	-----	-----	-----	-----	**1,700**	**85**	<0.50	**2.6**	**0.28**	-----	<0.50	**11**	<2	<2	<2
GMW-45	10/07/10	Blaine Tech for Parsons	-----	-----	-----	-----	**1,400**	**53**	-----	-----	-----	<0.50	<0.50	**15**	-----	-----	-----
GMW-45	04/14/11	Blaine Tech for Parsons	-----	-----	-----	-----	**1,400**	**150**	<0.50	**3.6**	**0.94**	<0.50	<0.50	<10	<2	<2	<2
GMW-45	10/11/11	Parsons	-----	-----	-----	-----	**1,600**	**43**	<0.33	**1.8**	**0.29 J**	<0.50	<0.50	**41**	<2	<2	<2
GMW-45	04/19/12	Parsons	-----	-----	-----	-----	**1,700**	**28**	**0.24 J**	**1.9**	**0.8 J**	<0.50	<0.50	**28**	<2	<2	<2
GMW-45	10/17/12	Parsons	-----	-----	-----	-----	**1,300**	**44**	<0.50	**1.6**	<0.50	<0.50	<0.50	**20**	<2	<2	<2

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-45	04/11/13	Parsons	-----	-----	**3,400 b**	-----	-----	**24**	<0.50	**1.4**	**0.59 J**	<0.50	<0.50	**13**	<2	<2	<2
GMW-45	10/30/14	SGI	**1,500**	-----	**3,700**	-----	-----	**0.78**	<0.50	**0.52**	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GMW-47	11/27/96	GSI	**9,600**	-----	<500	<500	-----	**1,800**	<25	**160**	**660**	-----	-----	-----	-----	-----	-----
GMW-47	07/09/97	GTI	**420**	-----	**93**	<400	-----	**350**	<1	**170**	**79**	-----	-----	-----	-----	-----	-----
GMW-47	01/06/98	GTI	**1,900**	-----	<100	**1,800**	-----	**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**	<100	-----	-----	-----	**910**	**4.9**	**18**	**140**	-----	-----	-----	-----	-----	-----
GMW-47	05/26/99	GTI	<300	<100	-----	-----	-----	**130**	<0.30	**0.33**	**3.0**	-----	-----	-----	-----	-----	-----
GMW-47	11/18/99	IT Corporation	**2,100**	**1,200**	-----	-----	-----	**1,100**	**0.77**	**5.8**	**27**	-----	-----	-----	-----	-----	-----
GMW-47	05/17/00	IT Corporation	**7,200**	**8,000**	-----	-----	-----	**2,300**	**700**	**200**	**1,100**	-----	-----	-----	-----	-----	-----
GMW-47	11/29/00	IT Corporation	**990**	**1,100**	-----	-----	-----	**280**	**0.59**	**2.2**	<0.60	-----	<5	-----	-----	-----	-----
GMW-47	03/30/01	IT Corporation	-----	<50	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GMW-47	05/09/01	IT Corporation	**7,600**	**4,100**	-----	-----	-----	**1,400**	**110**	**55**	**590**	-----	**16**	-----	-----	-----	-----
GMW-47	11/07/01	IT Corporation	**1,500**	**350**	-----	-----	-----	**410**	**8.2**	**8.7**	**150**	-----	<50	-----	-----	-----	-----
GMW-47	04/10/02	IT Corporation	**4,100**	**1,200**	-----	-----	-----	**710**	**150**	**9.2**	**360**	-----	<25	-----	-----	-----	-----
GMW-47	10/23/02	GTI	**4,000**	**2,900**	-----	-----	-----	**430**	<5	**26**	**100**	<2.5	<5	-----	-----	-----	-----
GMW-47	04/09/03	GTI	-----	<100	-----	-----	-----	**1.4**	<0.50	<0.50	<0.50	<1	<0.50	-----	-----	-----	-----
GMW-47	09/18/03	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-47	10/08/03	Blaine Tech for Parsons	**140**	**380**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-47	02/21/04	Blaine Tech for Parsons	-----	-----	-----	<100	-----	**4.2**	<0.50	<0.50	<0.50	**---**	<0.50	-----	-----	-----	-----
GMW-47	04/21/04	Blaine Tech for Parsons	**160**	**640**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	07/21/04	Blaine Tech for Parsons	**330**	**330**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	-----	<0.50	-----	-----	-----	-----
GMW-47	11/03/04	Blaine Tech for Parsons	<100	**430**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	03/02/05	Blaine Tech for Parsons	**170**	**110**	-----	-----	-----	**33**	<1	**5.8**	<1	-----	<1	-----	-----	-----	-----
GMW-47	05/05/05	Blaine Tech for Parsons	**420**	**530**	-----	-----	-----	**22**	<0.50	**6.0**	**18**	<0.50	<0.50	<10	<2	<2	<2
GMW-47	08/04/05	Blaine Tech for Parsons	<100	**110**	-----	-----	-----	**3.4**	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	11/05/05	Blaine Tech for Parsons	<100	**250**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	03/08/06	Blaine Tech for Parsons	<100	**160**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	05/03/06	Blaine Tech for Parsons	<100	**340**	-----	-----	-----	**2.3**	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	07/28/06	Blaine Tech for Parsons	<100	**440**	-----	-----	-----	**0.95**	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	12/05/06	Blaine Tech for Parsons	<100	**200**	-----	-----	-----	**5.4**	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	03/23/07	Blaine Tech for Parsons	<100	**420**	-----	-----	-----	**11**	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	05/02/07	Blaine Tech for Parsons	<100	**320**	-----	-----	-----	**4.8**	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	08/31/07	Blaine Tech for Parsons	<100	**400**	-----	-----	-----	**1.8**	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	11/13/07	Blaine Tech for Parsons	<100	**180**	-----	-----	-----	**0.83**	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	02/07/08	Blaine Tech for Parsons	<100	**290**	-----	-----	-----	**1.7**	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	04/16/08	Blaine Tech for Parsons	<100	**270**	-----	-----	-----	**1.6**	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	07/29/08	Blaine Tech for Parsons	<100	**450**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	10/15/08	Blaine Tech for Parsons	<100	-----	-----	-----	**300**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	02/12/09	Blaine Tech for Parsons	**170**	-----	-----	-----	**460**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	04/20/09	Blaine Tech for Parsons	**180**	-----	-----	-----	**730**	<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**	-----	-----	-----	**1,400**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**15**	<2	<2	<2
GMW-47	10/19/09	Blaine Tech for DESC	**170**	-----	-----	-----	**1,200**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**15**	<2	<2	<2
GMW-47	01/11/10	Blaine Tech for DESC	-----	-----	-----	-----	**1,300**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**17**	<2	<2	<2
GMW-47	04/19/10	Blaine Tech for DESC	-----	-----	-----	-----	**930**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**13**	<2	<2	<2
GMW-47	10/06/10	Blaine Tech for Parsons	-----	-----	-----	-----	**1,800**	**0.35 J**	-----	-----	-----	<0.50	<0.50	**16**	-----	-----	-----
GMW-47	01/11/11	Blaine Tech for Parsons	-----	-----	-----	-----	**1,600**	**5.2**	<0.50	**0.75**	<0.50	<0.50	**1.2**	**17**	<2	<2	<2
GMW-47	04/14/11	Blaine Tech for Parsons	-----	-----	-----	-----	**1,800**	**0.36 J**	<0.50	**0.27 J**	<0.50	<0.50	**2.6**	<10	<2	<2	<2
GMW-47	07/12/11	Parsons	-----	-----	-----	-----	**3,000**	**0.54**	<0.50	**0.58**	<0.50	<0.50	**3.8**	**32**	<2	<2	<2
GMW-47	10/11/11	Parsons	-----	-----	-----	-----	**3,900**	**0.55**	<0.50	**0.99**	**0.32 J**	<0.50	**6.1**	**46**	<2	<2	<2
GMW-47	01/10/12	Parsons	-----	-----	-----	-----	**2,900**	**0.63**	<0.50	**0.74**	**0.36 J**	<0.50	**7.9**	**110**	<2	<2	<2
GMW-47	04/20/12	Parsons	-----	-----	-----	-----	**2,300**	**0.52**	<0.50	**0.68**	**0.31 J**	<0.50	**5.0**	**310**	<2	<2	<2
GMW-47	07/10/12	Parsons	-----	-----	-----	-----	**2,600**	**0.15 J**	<0.50	**0.29 J**	**0.31**	<0.50	**6.5**	**250**	<2	<2	<2
GMW-47	10/17/12	Parsons	-----	-----	-----	-----	**1,400**	**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-48	11/22/96	GSI	**56,000**	-----	<500	<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

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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	01/10/12	Parsons	-----	-----	-----	-----	**820**	**48**	<0.50	**0.24 J**	**2.5**	<0.50	**0.47 J**	**9.6 J**	<2	<2	<2
GMW-56	11/05/98	GTI	<300	<100	-----	-----	**---**	<0.30	<0.30	**16**	<0.60	-----	-----	-----	-----	-----	-----
GMW-56	05/27/99	GTI	<300	<100	-----	-----	**---**	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-56	11/18/99	IT Corporation	<300	<100	-----	-----	**---**	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-56	05/17/00	IT Corporation	<300	<100	-----	-----	**---**	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
GMW-56	11/29/00	IT Corporation	<300	<100	-----	-----	**---**	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-56	05/09/01	IT Corporation	<300	<100	-----	-----	**---**	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-56	11/07/01	IT Corporation	<300	<100	-----	-----	**---**	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
GMW-56	04/10/02	IT Corporation	<300	<100	-----	-----	**---**	<0.30	<0.30	<0.30	<0.60	-----	**12**	-----	-----	-----	-----
GMW-56	04/10/03	GTI	-----	<100	-----	-----	**---**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-56	10/08/03	Blaine Tech for Parsons	-----	<100	-----	-----	**---**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-56	04/21/04	Blaine Tech for Parsons	-----	<100	-----	-----	**---**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-56	11/04/04	Blaine Tech for Parsons	-----	<100	-----	-----	**---**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-56	05/05/05	Blaine Tech for Parsons	-----	**120**	-----	-----	**---**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-56	11/05/05	Blaine Tech for Parsons	-----	<100	-----	-----	**---**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-56	05/03/06	Blaine Tech for Parsons	-----	<100	-----	-----	**---**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-56	12/08/06	Blaine Tech for Parsons	-----	<100	-----	-----	**---**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-56	05/02/07	Blaine Tech for Parsons	-----	<100	-----	-----	**---**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-56	11/14/07	Blaine Tech for Parsons	-----	<100	-----	-----	**---**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-56	04/16/08	Blaine Tech for Parsons	-----	<100	-----	-----	**---**	<0.50	<0.50	<0.50	**0.94**	<0.50	<0.50	<10	<2	<2	<2
GMW-56	10/15/08	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-56	04/21/09	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-56	10/21/09	Blaine Tech for DESC	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**4.2 J**	<2	<2	<2
GMW-56	04/12/10	Blaine Tech for DESC	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-56	04/15/11	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<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-57	11/05/98	GTI	<300	<100	-----	-----	-----	**12**	**0.63**	**4.5**	**0.97**	-----	-----	-----	-----	-----	-----
GMW-57	05/26/99	GTI	**379**	<100	-----	-----	-----	**150**	**15**	**12**	**55**	-----	-----	-----	-----	-----	-----
GMW-57	11/18/99	IT Corporation	**4,000**	**3,600**	-----	-----	-----	**950**	**240**	**150**	**750**	-----	-----	-----	-----	-----	-----
GMW-57	05/17/00	IT Corporation	**17,000**	<100	-----	-----	-----	**3,200**	**2,200**	**750**	**4,300**	-----	-----	-----	-----	-----	-----
GMW-57	11/29/00	IT Corporation	**11,000**	**7,100**	-----	-----	-----	**2,300**	**21**	**340**	**1,800**	-----	<100	-----	-----	-----	-----
GMW-57	03/30/01	IT Corporation	-----	**1,800**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GMW-57	05/09/01	IT Corporation	**28,000**	**12,000**	-----	-----	-----	**3,300**	**3,100**	**690**	**3,600**	-----	<50	-----	-----	-----	-----
GMW-57	11/07/01	IT Corporation	**19,000**	**11,000**	-----	-----	-----	**3,900**	**1,600**	**390**	**3,400**	-----	<500	-----	-----	-----	-----
GMW-57	04/10/02	IT Corporation	**5,000**	**5,300**	-----	-----	-----	**720**	**150**	**8.2**	**360**	<2.5	<2.5	-----	-----	-----	-----
GMW-57	10/23/02	GTI	**1,700**	**2,000**	-----	-----	-----	**690**	<0.30	**3.2**	**5.7**	-----	<5	-----	-----	-----	-----
GMW-57	04/09/03	GTI	-----	<100	-----	-----	-----	<1	<1	<1	<2	-----	<3	-----	-----	-----	-----
GMW-57	09/18/03	Blaine Tech for Parsons	-----	**170**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-57	10/11/03	Blaine Tech for Parsons	**200**	**650**	-----	-----	-----	**47**	<0.50	**0.57**	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-57	02/21/04	Blaine Tech for Parsons	-----	-----	-----	**470**	-----	**190**	<0.50	<0.50	<0.50	**---**	<0.50	-----	-----	-----	-----
GMW-57	04/21/04	Blaine Tech for Parsons	**110**	**710**	-----	-----	-----	**21**	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	07/21/04	Blaine Tech for Parsons	**340**	**720**	-----	-----	-----	**48**	<0.50	<0.50	<0.50	-----	<0.50	**270**	**57**	**54**	**50**
GMW-57	11/03/04	Blaine Tech for Parsons	**120**	**270**	-----	-----	-----	**22**	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	03/02/05	Blaine Tech for Parsons	**400**	**170**	-----	-----	-----	**190**	<1	**2.5**	<1	-----	<1	-----	-----	-----	-----
GMW-57	05/05/05	Blaine Tech for Parsons	**280**	**170**	-----	-----	-----	**57**	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	08/04/05	Blaine Tech for Parsons	**170**	**430**	-----	-----	-----	**120**	<0.50	**0.54**	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	11/05/05	Blaine Tech for Parsons	**120**	**100**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	03/08/06	Blaine Tech for Parsons	**180**	**180**	-----	-----	-----	**4.8**	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	05/03/06	Blaine Tech for Parsons	<100	**280**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	07/28/06	Blaine Tech for Parsons	**180**	**1,100**	-----	-----	-----	**1.8**	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	12/05/06	Blaine Tech for Parsons	<100	**290**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	03/23/07	Blaine Tech for Parsons	**120**	**540**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	05/02/07	Blaine Tech for Parsons	**120**	**720**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	08/31/07	Blaine Tech for Parsons	**110**	**700**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	11/13/07	Blaine Tech for Parsons	**160**	**450**	-----	-----	-----	**0.72**	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	02/07/08	Blaine Tech for Parsons	**150**	**720**	-----	-----	-----	**4.0**	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	04/16/08	Blaine Tech for Parsons	<100	**540**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	07/29/08	Blaine Tech for Parsons	<100	**390**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	10/15/08	Blaine Tech for Parsons	<100	-----	-----	-----	**210**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	02/12/09	Blaine Tech for Parsons	<100	-----	-----	-----	**140**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	04/20/09	Blaine Tech for Parsons	<100	-----	-----	-----	<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 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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	07/21/09	Blaine Tech for AMEC	<100	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	10/19/09	Blaine Tech for DESC	<100	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**8.1 J**	<2	<2	<2
GMW-57	01/11/10	Blaine Tech for DESC	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	04/12/10	Blaine Tech for DESC	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	10/06/10	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	-----	-----	-----	<0.50	<0.50	<10	-----	-----	-----
GMW-57	01/10/11	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	04/11/11	Blaine Tech for Parsons	-----	-----	-----	-----	<100	**1.4**	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	07/11/11	Parsons	-----	-----	-----	-----	**130**	**10**	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	10/11/11	Parsons	-----	-----	-----	-----	<100	**1.6**	<0.50	<0.50	**0.48 J**	<0.50	<0.50	<10	<2	<2	<2
GMW-57	01/09/12	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	04/17/12	Parsons	-----	-----	-----	-----	**200**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	07/09/12	Parsons	-----	-----	-----	-----	**330**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	10/16/12	Parsons	-----	-----	-----	-----	**110**	<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-58	11/04/98	GTI	**2,590**	**1,700**	-----	-----	-----	**200**	**210**	**67**	**280**	-----	-----	-----	-----	-----	-----
GMW-58	05/26/99	GTI	**1,360**	**451**	-----	-----	-----	**310**	**62**	**42**	**170**	-----	-----	-----	-----	-----	-----
GMW-58	11/18/99	IT Corporation	**1,600**	**1,900**	-----	-----	-----	**82**	**26**	**20**	**100**	-----	-----	-----	-----	-----	-----
GMW-58	05/17/00	IT Corporation	**21,000**	**36,000**	-----	-----	-----	**3,500**	**5,900**	**730**	**3,900**	-----	-----	-----	-----	-----	-----
GMW-58	03/02/05	Blaine Tech for Parsons	**5,800**	**22,000**	-----	-----	-----	**1,700**	<20	**250**	**400**	-----	<20	-----	-----	-----	-----
GMW-58	05/05/05	Blaine Tech for Parsons	**12,000**	**36,000**	-----	-----	-----	**410**	<2.5	**13**	**600**	<2.5	<2.5	<50	<10	<10	<10
GMW-58	08/04/05	Blaine Tech for Parsons	**5,800**	**24,000**	-----	-----	-----	**500**	<2.5	**56**	**124**	<2.5	<2.5	<50	<10	<10	<10
GMW-58	11/05/05	Blaine Tech for Parsons	**6,300**	**9,700**	-----	-----	-----	**560**	<2.5	**380**	**196**	<2.5	<2.5	<50	<10	<10	<10
GMW-58	03/08/06	Blaine Tech for Parsons	**5,300**	**34,000**	-----	-----	-----	**250**	<2.5	**140**	**21**	<2.5	<2.5	<50	<10	<10	<10
GMW-58	05/03/06	Blaine Tech for Parsons	**2,900**	**16,000**	-----	-----	-----	**260**	<1	**85**	**27**	<1	<1	<20	<4	<4	<4
GMW-58	07/28/06	Blaine Tech for Parsons	**3,200**	**15,000**	-----	-----	-----	**310**	<1	**78**	**23**	<1	<1	<20	<4	<4	<4
GMW-58	03/23/07	Blaine Tech for Parsons	**1,700**	**4,100**	-----	-----	-----	**350**	<1	**5.9**	<1	<1	<1	<20	<4	<4	<4
GMW-58	05/02/07	Blaine Tech for Parsons	**2,200**	**2,500**	-----	-----	-----	**320**	<1	**9.5**	<1	<1	<1	<20	<4	<4	<4
GMW-58	08/31/07	Blaine Tech for Parsons	**3,000**	**2,400**	-----	-----	-----	**240**	<2.5	<2.5	<2.5	<2.5	<2.5	<50	<10	<10	<10
GMW-58	11/13/07	Blaine Tech for Parsons	**2,000**	**720**	-----	-----	-----	**240**	<1	**7.4**	<1	<1	<1	<20	<4	<4	<4
GMW-58	02/07/08	Blaine Tech for Parsons	**1,100**	**5,000**	-----	-----	-----	**270**	<1	**1.8**	<1	<1	<1	<20	<4	<4	<4
GMW-58	04/16/08	Blaine Tech for Parsons	**1,100**	**720**	-----	-----	-----	**310**	<2.5	<2.5	<2.5	**8.4**	<2.5	<50	<10	<10	<10
GMW-58	07/29/08	Blaine Tech for Parsons	**870**	**750**	-----	-----	-----	**45**	<0.50	<0.50	<0.50	<0.50	**0.77**	<10	<2	<2	<2
GMW-58	10/15/08	Blaine Tech for Parsons	**1,200**	-----	-----	-----	**840**	**62**	<0.50	**0.67**	**0.62**	<0.50	<0.50	<10	<2	<2	<2
GMW-58	02/12/09	Blaine Tech for Parsons	**1,000**	-----	-----	-----	**2,200**	**36**	<0.50	**0.85**	<0.50	<0.50	**0.55**	<10	<2	<2	<2
GMW-58	04/20/09	Blaine Tech for Parsons	**130**	-----	-----	-----	**230**	<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**	-----	-----	-----	**300**	**1.2**	<0.50	<0.50	<0.50	<0.50	**6.4**	<10	<2	<2	<2
GMW-58	10/19/09	Blaine Tech for DESC	**1,000**	-----	-----	-----	**2,200**	**9.5**	<0.50	**0.24 J**	<0.50	<0.50	**1.5**	**6 J**	<2	<2	<2
GMW-58	01/11/10	Blaine Tech for DESC	-----	-----	-----	-----	**190**	**9.7**	<0.50	<0.50	<0.50	<0.50	**1.7**	**3.8 J**	<2	<2	<2
GMW-58	04/19/10	Blaine Tech for DESC	-----	-----	-----	-----	**300**	**12**	<0.50	<0.50	<0.50	<0.50	**0.81**	**5.7 J**	<2	<2	<2
GMW-58	10/06/10	Blaine Tech for Parsons	-----	-----	-----	-----	**170**	**8.6**	-----	-----	-----	<0.50	<0.50	<10	-----	-----	-----
GMW-58	01/10/11	Blaine Tech for Parsons	-----	-----	-----	-----	**410**	**5.8**	<0.50	<0.50	<0.50	<0.50	**0.46 J**	<10	<2	<2	<2
GMW-58	04/13/11	Blaine Tech for Parsons	-----	-----	-----	-----	**1,300**	**94**	<0.50	**0.35 J**	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-58	07/11/11	Parsons	-----	-----	-----	-----	**220**	**31**	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-58	10/11/11	Parsons	-----	-----	-----	-----	**350**	**27**	<0.50	<0.50	<0.50	<0.50	**0.65**	<10	<2	<2	<2
GMW-58	04/18/12	Parsons	-----	-----	-----	-----	**710**	**28**	<0.50	**0.18 J**	**0.48 J**	**0.82**	**0.54**	<10	<2	<2	<2
GMW-58	07/10/12	Parsons	-----	-----	-----	-----	**890**	**27**	<0.50	<0.50	<0.50	<0.50	**0.46 J**	**18**	<2	<2	<2
GMW-58	10/17/12	Parsons	-----	-----	-----	-----	**790**	**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-59	11/04/98	GTI	**9,880**	**12,400**	-----	-----	-----	**950**	**600**	**210**	**620**	-----	-----	-----	-----	-----	-----
GMW-59	11/29/00	IT Corporation	**67,000**	**21,000**	-----	-----	-----	**3,500**	**900**	**750**	**3,600**	-----	<130	-----	-----	-----	-----
GMW-59	04/10/03	GTI	-----	**29,600**	-----	-----	-----	**261**	**4.8**	**18**	**110**	-----	<3	-----	-----	-----	-----
GMW-59	10/08/03	Blaine Tech for Parsons	-----	**4,900**	-----	-----	-----	**760**	<3	**65**	**450**	-----	<50	-----	-----	-----	-----
GMW-59	04/21/04	Blaine Tech for Parsons	-----	**5,000**	-----	-----	-----	**590**	<1	**100**	**276**	-----	**380**	-----	-----	-----	-----
GMW-59	11/03/04	Blaine Tech for Parsons	-----	**4,000**	-----	-----	-----	**95**	<0.60	**15**	**18**	-----	<10	-----	-----	-----	-----

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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	03/02/05	Blaine Tech for Parsons	**4,200**	**23,000**	-----	-----	-----	**400**	<5	**130**	**22**	-----	**35**	-----	-----	-----	-----
GMW-59	05/05/05	Blaine Tech for Parsons	**11,000**	**9,400**	-----	-----	-----	**170**	<0.50	**60**	**7.8**	<0.50	**11**	<10	<2	<2	<2
GMW-59	08/04/05	Blaine Tech for Parsons	**6,400**	**17,000**	-----	-----	-----	**140**	<1	**56**	**6.6**	<1	<1	<20	<4	<4	<4
GMW-59	11/05/05	Blaine Tech for Parsons	**9,500**	**26,000**	-----	-----	-----	**270**	<0.50	**26**	**2.2**	<0.50	<0.50	<10	<2	<2	<2
GMW-59	03/08/06	Blaine Tech for Parsons	**4,600**	**13,000**	-----	-----	-----	**260**	<1	**7.4**	<1	<1	<1	<20	<4	<4	<4
GMW-59	05/03/06	Blaine Tech for Parsons	**9,900**	**9,300**	-----	-----	-----	**210**	<1	**4.0**	<1	<1	<1	<20	<4	<4	<4
GMW-59	07/28/06	Blaine Tech for Parsons	**3,200**	**37,000**	-----	-----	-----	**540**	<1	**3.1**	<1	<1	**4.8**	<20	<4	<4	<4
GMW-59	12/05/06	Blaine Tech for Parsons	-----	**9,000**	-----	-----	-----	**800**	**4.3**	**5.2**	**11**	-----	<10	-----	-----	-----	-----
GMW-59	03/23/07	Blaine Tech for Parsons	**8,200**	**15,000**	-----	-----	-----	**840**	<2.5	<2.5	<2.5	<2.5	<2.5	<50	<10	<10	<10
GMW-59	05/02/07	Blaine Tech for Parsons	**4,800**	**7,400**	-----	-----	-----	**1,100**	<2.5	<2.5	<2.5	<2.5	<2.5	<50	<10	<10	<10
GMW-59	08/31/07	Blaine Tech for Parsons	**4,800**	**3,500**	-----	-----	-----	**720**	<2.5	<2.5	<2.5	<2.5	<2.5	<50	<10	<10	<10
GMW-59	11/13/07	Blaine Tech for Parsons	**4,700**	**2,200**	-----	-----	-----	**660**	<5	<5	<5	<5	<5	<100	<20	<20	<20
GMW-59	02/07/08	Blaine Tech for Parsons	**3,200**	**3,900**	-----	-----	-----	**490**	<2.5	**3.8**	<2.5	<2.5	**2.7**	<50	<10	<10	<10
GMW-59	04/16/08	Blaine Tech for Parsons	**3,600**	**2,100**	-----	-----	-----	**580**	<2.5	**3.5**	<2.5	**15**	**3.7**	<50	<10	<10	<10
GMW-59	07/29/08	Blaine Tech for Parsons	**2,300**	**2,900**	-----	-----	-----	**580**	<2.5	<2.5	<2.5	<2.5	**3.3**	<50	<10	<10	<10
GMW-59	10/15/08	Blaine Tech for Parsons	**2,500**	-----	-----	-----	**2,400**	**830**	<2.5	<2.5	<2.5	<2.5	**5.5**	<50	<10	<10	<10
GMW-59	02/12/09	Blaine Tech for Parsons	**2,500**	-----	-----	-----	**2,600**	**650**	<2.5	<2.5	<2.5	<2.5	**3.2**	<50	<10	<10	<10
GMW-59	04/20/09	Blaine Tech for Parsons	**8,500**	-----	-----	-----	**19,000**	**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**	-----	-----	-----	**11,000**	**520**	<2.5	<2.5	<2.5	<2.5	**3.5**	<50	<10	<10	<10
GMW-59	10/21/09	Blaine Tech for DESC	**2,600**	-----	-----	-----	**3,000**	**1,700**	<2.5	**1.4 J**	<2.5	<2.5	**16**	**18 J**	<10	<10	<10
GMW-59	01/11/10	Blaine Tech for DESC	-----	-----	-----	-----	**1,900**	**2,200**	<10	<10	<10	<10	**17**	<200	<40	<40	<40
GMW-59	04/19/10	Blaine Tech for DESC	**2,900**	-----	-----	-----	**1,700**	**570**	<0.50	**1.9**	<0.50	<0.50	**2.3**	**11**	<2	<2	<2
GMW-59	10/06/10	Blaine Tech for Parsons	**850**	-----	-----	-----	**1,500**	**87**	-----	-----	-----	<0.50	**3.5**	**17**	-----	-----	-----
GMW-59	01/11/11	Blaine Tech for Parsons	**2,500**	-----	-----	-----	**4,100**	**1,100**	<0.50	**1.1**	<0.50	<0.50	**8.8**	**23**	<2	<2	<2
GMW-59	04/14/11	Blaine Tech for Parsons	**10,000**	-----	-----	-----	**3,800**	**130**	<0.50	**0.85**	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-59	07/12/11	Parsons	**1,400**	-----	-----	-----	**1,700**	**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	-----	-----	-----	**2,500**	**130**	<0.24	**0.78**	<0.50	<0.50	**2.1**	**13**	<2	<2	<2
GMW-59	01/10/12	Parsons	**2,800**	-----	-----	-----	**2,600**	**340**	**0.24 J**	**0.54**	<0.50	<0.50	**5.2**	**16**	<2	<2	<2
GMW-59	04/20/12	Parsons	**3,100**	-----	-----	-----	**3,800**	**870**	**0.27 J**	**0.85**	**0.24 J**	<0.50	**8.4**	**36**	<2	<2	<2
GMW-59	07/10/12	Parsons	-----	-----	-----	-----	**6,300**	**1,100**	<5	**1.5 J**	<5	<5	**9.7**	<100	<20	<20	<20
GMW-59	10/19/12	Parsons	**3,400 HD**	-----	-----	-----	**4,800**	**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-60	07/21/04	Blaine Tech for Parsons	**15,000**	**5,300**	---	-----	-----	**1,700**	**160**	**710**	**2,050**	-----	<0.50	-----	-----	-----	-----
GMW-60	11/03/04	Blaine Tech for Parsons	**12,000**	**3,500**	---	-----	-----	**1,700**	**70**	**900**	**1,780**	<5	<5	<100	<20	<20	<20
GMW-60	03/02/05	Blaine Tech for Parsons	**8,300**	**4,900**	---	-----	-----	**1,300**	<20	**860**	**2,040**	-----	<20	-----	-----	-----	-----
GMW-60	05/05/05	Blaine Tech for Parsons	**9,400**	**4,600**	---	-----	-----	**1,100**	<5	**790**	**1,740**	<5	<5	<100	<20	<20	<20
GMW-60	08/04/05	Blaine Tech for Parsons	**6,200**	**5,600**	---	-----	-----	**1,000**	<5	**680**	**1,070**	<5	<5	<100	<20	<20	<20
GMW-60	11/05/05	Blaine Tech for Parsons	**7,200**	**4,400**	---	-----	-----	**970**	<5	**710**	**1,130**	<5	<5	<100	<20	<20	<20
GMW-60	03/08/06	Blaine Tech for Parsons	**5,900**	**5,200**	---	-----	-----	**680**	<5	**640**	**800**	<5	<5	<100	<20	<20	<20
GMW-60	05/03/06	Blaine Tech for Parsons	**3,900**	**2,200**	---	-----	-----	**770**	<5	**230**	**235**	<5	<5	<100	<20	<20	<20
GMW-60	07/28/06	Blaine Tech for Parsons	**4,600**	**4,900**	---	-----	-----	**850**	<5	**170**	**102**	<5	<5	<100	<20	<20	<20
GMW-60	12/05/06	Blaine Tech for Parsons	**4,100**	**920**	---	-----	-----	**660**	<5	**130**	**92**	<5	<5	<100	<20	<20	<20
GMW-60	03/23/07	Blaine Tech for Parsons	**3,500**	**1,700**	---	-----	-----	**490**	<2.5	**87**	**80**	<2.5	<2.5	<50	<10	<10	<10
GMW-60	05/02/07	Blaine Tech for Parsons	**2,800**	**630**	---	-----	-----	**300**	<2.5	**18**	**23**	<2.5	<2.5	<50	<10	<10	<10
GMW-60	08/31/07	Blaine Tech for Parsons	**2,000**	**660**	---	-----	-----	**250**	<2.5	**18**	**5.9**	<2.5	<2.5	<50	<10	<10	<10
GMW-60	11/13/07	Blaine Tech for Parsons	**1,500**	<100	---	-----	-----	**180**	<0.50	**21**	**4.3**	<0.50	<0.50	<10	<2	<2	<2
GMW-60	02/07/08	Blaine Tech for Parsons	**1,700**	**290**	---	-----	-----	**270**	**0.80**	**65**	**48**	<0.50	<0.50	<10	<2	<2	<2
GMW-60	04/16/08	Blaine Tech for Parsons	**1,400**	**920**	---	-----	-----	**160**	<1	**24**	<1	<1	<1	<20	<4	<4	<4
GMW-60	07/29/08	Blaine Tech for Parsons	**2,000**	**610**	---	-----	-----	**240**	<1	**3.9**	<1	<1	<1	<20	<4	<4	<4
GMW-60	10/15/08	Blaine Tech for Parsons	**1,400**	-----	-----	-----	**270**	**220**	<1	**2.7**	<1	<1	<1	<20	<4	<4	<4
GMW-60	02/12/09	Blaine Tech for Parsons	**1,600**	-----	-----	-----	**490**	**200**	<1	**2.5**	<1	<1	<1	<20	<4	<4	<4
GMW-60	04/20/09	Blaine Tech for Parsons	**3,500**	-----	-----	-----	**1,100**	**800**	<5	**7.9**	<5	<5	<5	<100	<20	<20	<20
GMW-60	07/20/09	Blaine Tech for AMEC	**3,200**	-----	-----	-----	**1,700**	**940**	<5	**11**	<5	<5	<5	<100	<20	<20	<20
GMW-60	10/19/09	Blaine Tech for DESC	**2,600**	-----	-----	-----	**930**	**800**	<5	**8.8**	<5	<5	<5	<100	<20	<20	<20
GMW-60	01/11/10	Blaine Tech for DESC	-----	-----	-----	-----	<100	**940**	<5	**12**	<5	<5	<1	<100	<20	<20	<20
GMW-60	04/13/10	Blaine Tech for DESC	**1,900**	-----	-----	-----	**1,300**	**580**	<0.50	**8.7**	**0.26**	<0.50	<0.50	<10	<2	<2	<2
GMW-60	10/06/10	Blaine Tech for Parsons	**560**	-----	-----	-----	**1,900**	**770**	-----	-----	-----	<0.50	<0.50	<10	-----	-----	-----
GMW-60	01/11/11	Blaine Tech for Parsons	**3,200**	-----	-----	-----	**2,100**	**870**	<0.50	**12**	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-60	04/15/11	Blaine Tech for Parsons	**2,100**	-----	-----	-----	**1,200**	**590**	<0.50	**9.8**	<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 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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	07/12/11	Parsons	**2,200**	-----	-----	-----	**1,500**	**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**	-----	-----	-----	**1,500**	**510**	<0.50	**9.1**	**0.38 J**	<0.50	<0.50	<10	<2	<2	<2
GMW-60	01/10/12	Parsons	**2,100**	-----	-----	-----	**990**	**210**	**0.3 J**	**7.3**	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-60	04/20/12	Parsons	**1,200**	-----	-----	-----	**1,300**	**13**	<0.50	**3.1**	**0.36 J**	<0.50	<0.50	**14**	<2	<2	<2
GMW-60	07/10/12	Parsons	-----	-----	-----	-----	**1,200**	**5.1**	<0.50	**0.70**	**0.24**	<0.50	<0.50	**69**	<2	<2	<2
GMW-60	10/17/12	Parsons	**630 b**	-----	-----	-----	**1,100**	**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-61	07/21/04	Blaine Tech for Parsons	**19,000**	**14,000**	-----	-----	-----	**2,400**	**1,700**	**1,000**	**4,000**	-----	<0.50	-----	-----	-----	-----
GMW-61	11/03/04	Blaine Tech for Parsons	**23,000**	**5,700**	-----	-----	-----	**2,500**	**2,200**	**1,200**	**5,000**	<5	<5	<100	<20	<20	<20
GMW-61	03/02/05	Blaine Tech for Parsons	**20,000**	**10,000**	-----	-----	-----	**2,700**	**1,900**	**1,100**	**5,900**	-----	<20	-----	-----	-----	-----
GMW-61	05/05/05	Blaine Tech for Parsons	**11,000**	**7,000**	-----	-----	-----	**2,000**	**310**	**840**	**2,500**	<10	<10	<200	<40	<40	<40
GMW-61	08/04/05	Blaine Tech for Parsons	**11,000**	**12,000**	-----	-----	-----	**1,900**	**740**	**740**	**3,500**	<10	<10	<200	<40	<40	<40
GMW-61	11/05/05	Blaine Tech for Parsons	**16,000**	**10,000**	-----	-----	-----	**2,600**	**480**	**1,100**	**4,900**	<10	<10	<200	<40	<40	<40
GMW-61	03/08/06	Blaine Tech for Parsons	**11,000**	**7,900**	-----	-----	-----	**2,100**	**280**	**1,000**	**2,700**	<10	<10	<200	<40	<40	<40
GMW-61	05/03/06	Blaine Tech for Parsons	**9,600**	**7,300**	-----	-----	-----	**1,900**	**89**	**810**	**2,030**	<10	<10	<200	<40	<40	<40
GMW-61	07/28/06	Blaine Tech for Parsons	**7,200**	**9,900**	-----	-----	-----	**1,400**	**20**	**460**	**1,290**	<10	<10	<200	<40	<40	<40
GMW-61	12/05/06	Blaine Tech for Parsons	**7,900**	**4,000**	-----	-----	-----	**1,500**	**19**	**330**	**2,050**	<5	<5	<100	<20	<20	<20
GMW-61	03/23/07	Blaine Tech for Parsons	**7,500**	**3,100**	-----	-----	-----	**1,200**	**16**	**220**	**1,340**	<5	<5	<100	<20	<20	<20
GMW-61	05/02/07	Blaine Tech for Parsons	**11,000**	**3,000**	-----	-----	-----	**1,600**	**27**	**290**	**2,090**	<5	<5	<100	<20	<20	<20
GMW-61	08/31/07	Blaine Tech for Parsons	**9,200**	**1,600**	-----	-----	-----	**1,500**	**17**	**190**	**1,170**	<0.50	<0.50	<10	<2	<2	<2
GMW-61	11/13/07	Blaine Tech for Parsons	**2,300**	<100	-----	-----	-----	**580**	**6.3**	**99**	**360**	<5	<5	<100	<20	<20	<20
GMW-61	02/07/08	Blaine Tech for Parsons	**2,600**	**890**	-----	-----	-----	**330**	**8.6**	**70**	**363**	<2.5	<2.5	<50	<10	<10	<10
GMW-61	04/16/08	Blaine Tech for Parsons	**2,000**	**1,100**	-----	-----	-----	**480**	**5.0**	**64**	**399**	<2.5	<2.5	<50	<10	<10	<10
GMW-61	07/29/08	Blaine Tech for Parsons	**1,500**	**790**	-----	-----	-----	**400**	<2.5	**28**	**129**	<2.5	<2.5	<50	<10	<10	<10
GMW-61	10/15/08	Blaine Tech for Parsons	**1,300**	-----	-----	-----	**500**	**450**	<2.5	**34**	**150**	<2.5	<2.5	<50	<10	<10	<10
GMW-61	02/12/09	Blaine Tech for Parsons	**1,100**	-----	-----	-----	<100	**340**	<2.5	**13**	**57**	<2.5	<2.5	<50	<10	<10	<10
GMW-61	04/20/09	Blaine Tech for Parsons	**1,100**	-----	-----	-----	**550**	**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**	-----	-----	-----	**560**	**350**	<2.5	<2.5	<2.5	<2.5	<2.5	<50	<10	<10	<10
GMW-61	10/19/09	Blaine Tech for DESC	**620**	-----	-----	-----	**410**	**320**	<2.5	**1.2 J**	<2.5	<2.5	<2.5	<50	<10	<10	<10
GMW-61	01/11/10	Blaine Tech for DESC	-----	-----	-----	-----	<100	**190**	<1	**0.99 J**	<1	<1	<1	<20	<4	<4	<4
GMW-61	04/15/10	Blaine Tech for DESC	**740**	-----	-----	-----	**500**	**380**	<0.50	**1.7**	<0.50	<0.50	<0.50	**3.7 J**	<2	<2	<2
GMW-61	10/06/10	Blaine Tech for Parsons	**1,200**	-----	-----	-----	**550**	**100**	-----	-----	-----	<0.50	<0.50	<10	-----	-----	-----
GMW-61	01/10/11	Blaine Tech for Parsons	**800**	-----	-----	-----	**910**	**190**	<0.50	**1.8**	**0.48**	<0.50	<0.50	<10	<2	<2	<2
GMW-61	04/14/11	Blaine Tech for Parsons	**790**	-----	-----	-----	**700**	**110**	<0.50	**1.2**	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-61	07/12/11	Parsons	**230**	-----	-----	-----	**240**	**6.4**	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-61	10/11/11	Parsons	**140**	-----	-----	-----	<100	<0.50	<0.70	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-61	01/10/12	Parsons	**210**	-----	-----	-----	**100**	**0.15 J**	**1.1**	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-61	04/19/12	Parsons	**190**	-----	-----	-----	**250**	**9.1**	**0.63**	**0.2 J**	**0.33 J**	<0.50	<0.50	**27**	<2	<2	<2
GMW-61	07/10/12	Parsons	-----	-----	-----	-----	**510**	**110**	**0.29 J**	**0.87**	**0.28**	<0.50	<0.50	**14**	<2	<2	<2
GMW-61	10/19/12	Parsons	**1500 b**	-----	-----	-----	**800**	**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-62	11/14/07	Blaine Tech for Parsons	**4,200**	<100	-----	-----	-----	**1,400**	**85**	**160**	**92**	<5	<5	<100	<20	<20	<20
GMW-62	02/07/08	Blaine Tech for Parsons	**4,100**	**1,400**	-----	-----	-----	**2,100**	**190**	**450**	**610**	<5	<5	<100	<20	<20	<20
GMW-62	04/17/08	Blaine Tech for Parsons	**1,000**	**500**	-----	-----	-----	**430**	**15**	**50**	**24**	<5	<5	<100	<20	<20	<20
GMW-62	07/29/08	Blaine Tech for Parsons	**2,400**	**1,000**	-----	-----	-----	**1,300**	**33**	**160**	**109**	<2.5	<2.5	<50	<10	<10	<10
GMW-62	10/15/08	Blaine Tech for Parsons	**2,800**	-----	-----	-----	**180**	**1,700**	**19**	**220**	**161**	<5	<5	<100	<20	<20	<20
GMW-62	02/12/09	Blaine Tech for Parsons	**3,600**	-----	-----	-----	**1,600**	**1,800**	**5.1**	**150**	**164**	<5	<5	<100	<20	<20	<20
GMW-62	04/23/09	Blaine Tech for Parsons	**1,500**	-----	-----	-----	**150**	**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**	-----	-----	-----	**1,100**	**1,200**	<2.5	**67**	**36**	<2.5	<2.5	<50	<10	<10	<10
GMW-62	10/21/09	Blaine Tech for DESC	**2,200**	-----	-----	-----	**480**	**1,700**	<2.5	**43**	**13**	<2.5	<2.5	<50	<10	<10	<10
GMW-62	01/12/10	Blaine Tech for DESC	-----	-----	-----	-----	**2,200**	**3,900**	<10	**22**	**30**	**100**	<1	<200	<40	<40	<40
GMW-62	04/14/10	Blaine Tech for DESC	**2,400**	-----	-----	-----	**430**	**1,600**	**0.60**	**26**	**45**	<0.50	<0.50	<10	<2	<2	<2
GMW-62	10/05/10	Blaine Tech for Parsons	**6,700**	-----	-----	-----	**3,400**	**1,200**	-----	-----	-----	<0.50	<0.50	<10	-----	-----	-----
GMW-63	10/15/08	Blaine Tech for Parsons	<100	-----	-----	-----	<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 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-63	02/12/09	Blaine Tech for Parsons	<100	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	04/23/09	Blaine Tech for Parsons	<100	-----	-----	-----	<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	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	10/22/09	Blaine Tech for DESC	<100	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	01/12/10	Blaine Tech for DESC	-----	-----	-----	-----	<100	**0.39 J**	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	04/14/10	Blaine Tech for DESC	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	10/05/10	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	-----	-----	-----	<0.50	<0.50	<10	-----	-----	-----
GMW-63	01/10/11	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	04/12/11	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	07/11/11	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	10/12/11	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	01/09/12	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	04/17/12	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	07/09/12	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	10/17/12	Parsons	-----	-----	-----	-----	<100	<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-64	10/15/08	Blaine Tech for Parsons	<100	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	02/12/09	Blaine Tech for Parsons	<100	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	04/23/09	Blaine Tech for Parsons	<100	-----	-----	-----	<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	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	10/21/09	Blaine Tech for DESC	<100	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	01/12/10	Blaine Tech for DESC	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	04/14/10	Blaine Tech for DESC	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	10/05/10	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	-----	-----	-----	<0.50	<0.50	<10	-----	-----	-----
GMW-64	01/10/11	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	04/12/11	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	07/11/11	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	10/12/11	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	01/09/12	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	04/17/12	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	07/09/12	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	10/17/12	Parsons	-----	-----	-----	-----	<100	<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-65	10/22/09	Blaine Tech for DESC	<100	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-65	01/12/10	Blaine Tech for DESC	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-65	04/14/10	Blaine Tech for DESC	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-65	10/05/10	Blaine Tech for Parsons	-----	-----	-----	-----	**100**	**0.32 J**	-----	-----	-----	<0.50	<0.50	<10	-----	-----	-----
GMW-65	01/10/11	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-65	04/13/11	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-65	07/11/11	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-65	10/12/11	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-65	01/09/12	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-65	04/18/12	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-65	07/09/12	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-65	10/17/12	Parsons	-----	-----	-----	-----	<100	<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-66	10/22/09	Blaine Tech for DESC	<100	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-66	04/19/10	Blaine Tech for DESC	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-66	10/06/10	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	-----	-----	-----	<0.50	<0.50	<10	-----	-----	-----
GMW-66	04/12/11	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-66	10/12/11	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 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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-66	04/17/12	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-66	10/17/12	Parsons	-----	-----	-----	-----	<100	<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-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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	11/04/98	Alton Geoscience	<300	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	02/29/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	05/17/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	08/29/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**0.50**	<0.50	-----	-----	-----	-----
GMW-O-1	11/28/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	02/05/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	05/10/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	09/19/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	11/06/01	Secor	<300	<100	-----	-----	-----	**11**	<0.50	**0.70**	**0.60**	**0.50**	<0.50	-----	-----	-----	-----
GMW-O-1	01/30/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	04/09/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	07/30/02	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	10/24/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	01/28/03	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	04/08/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	07/30/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	10/08/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	01/29/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	04/20/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	07/20/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	11/04/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	02/03/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	05/04/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**1.1**	<0.50	-----	-----	-----	-----
GMW-O-1	08/03/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	11/01/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	02/28/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	05/05/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	09/20/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	12/08/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	03/12/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	05/04/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	08/28/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	11/14/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	02/20/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	04/18/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	08/13/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	10/17/08	Stantec	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-1	02/23/09	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	-----	-----	-----
GMW-O-1	04/21/09	Blaine Tech for AMEC	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	07/20/09	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	10/20/09	Blaine Tech for Parsons	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	03/15/10	Blaine Tech for Parsons	<50	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<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 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-O-1	01/09/12	CH2M Hill	<50	<100	-----	-----	-----	<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-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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	05/17/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**1.7**	<0.50	-----	-----	-----	-----
GMW-O-2	11/28/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**0.60**	<0.50	-----	-----	-----	-----
GMW-O-2	05/10/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**11**	<0.50	-----	-----	-----	-----
GMW-O-2	11/06/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**0.60**	<0.50	-----	-----	-----	-----
GMW-O-2	04/09/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	07/30/02	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	10/24/02	Secor	<300	**460**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	01/15/03	Geomatrix	<300	<100	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GMW-O-2	01/28/03	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**4.1**	<0.50	-----	-----	-----	-----
GMW-O-2	04/08/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**1.0**	<0.50	-----	-----	-----	-----
GMW-O-2	07/30/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	10/08/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	01/29/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	04/20/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	07/20/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	11/04/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	02/03/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	05/04/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**5.0**	<0.50	-----	-----	-----	-----
GMW-O-2	08/03/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	11/01/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	02/28/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	05/05/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	09/20/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	12/08/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	03/12/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	05/03/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	08/28/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	11/14/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	02/20/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	04/18/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	08/13/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	10/16/08	Stantec	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-2	02/23/09	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	-----	-----	-----
GMW-O-2	04/22/09	Blaine Tech for AMEC	<50	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	10/20/09	Blaine Tech for Parsons	<50	**130**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	03/16/10	Blaine Tech for Parsons	<50	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	**140**	-----	-----	-----	<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	<100	-----	-----	-----	<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

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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	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-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**	**1,710**	-----	-----	-----	**329**	**31**	**140**	**300**	<2.5	<2.5	-----	-----	-----	-----
GMW-O-3	11/17/98	Alton Geoscience	**4,800**	**5,810**	-----	-----	-----	**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**	<100	-----	-----	-----	**15**	**0.50**	**1.9**	**1.9**	<0.50	<0.50	-----	-----	-----	-----
GMW-O-3	02/29/00	Secor	<300	**170**	-----	-----	-----	**12**	<0.50	**1.2**	**1.1**	<0.50	<0.50	-----	-----	-----	-----
GMW-O-3	05/17/00	Secor	**1,800**	**1,000**	-----	-----	-----	**290**	**32**	**33**	**180**	<0.50	<0.50	-----	-----	-----	-----
GMW-O-3	08/29/00	Secor	**580**	**3,600**	-----	-----	-----	**130**	**2.5**	**13**	**23**	<0.50	<0.50	-----	-----	-----	-----
GMW-O-3	11/28/00	Secor	**1,500**	**820**	-----	-----	-----	**350**	**13**	**43**	**93**	<0.50	<0.50	-----	-----	-----	-----
GMW-O-3	02/05/01	Secor	**1,800**	**770**	-----	-----	-----	**420**	**26**	**40**	**55**	<10	<10	-----	-----	-----	-----
GMW-O-3	05/10/01	Secor	**2,000**	**560**	-----	-----	-----	**380**	**4.5**	**32**	**42**	<2.5	<2.5	-----	-----	-----	-----
GMW-O-3	09/19/01	Secor	**840**	**360**	-----	-----	-----	**230**	<2.5	**17**	**11**	<2.5	<2.5	-----	-----	-----	-----
GMW-O-3	11/07/01	IT Corporation	**520**	<100	-----	-----	-----	**120**	<2.5	**7.2**	**6.0**	<2.5	<2.5	-----	-----	-----	-----
GMW-O-3	01/30/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-3	04/09/02	Secor	**1,200**	<100	-----	-----	-----	**260**	**2.6**	**13**	**9.8**	<0.50	<0.50	-----	-----	-----	-----
GMW-O-3	07/30/02	IT Corporation	**380**	**250**	-----	-----	-----	**150**	**1.6**	**5.1**	**4.6**	<0.50	<0.50	-----	-----	-----	-----
GMW-O-3	10/24/02	Secor	**310**	**120**	-----	-----	-----	**79**	**0.65**	**1.9**	**1.2**	<0.50	<0.50	-----	-----	-----	-----
GMW-O-3	01/15/03	Geomatrix	<300	<100	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GMW-O-3	01/28/03	Secor	**550**	**160**	-----	-----	-----	**140**	**3.0**	**9.1**	**14**	<0.50	<0.50	-----	-----	-----	-----
GMW-O-3	04/08/03	Secor	**660**	**200**	-----	-----	-----	**170**	**1.6**	**9.2**	<1	<2	<1	-----	-----	-----	-----
GMW-O-3	07/30/03	Secor	**830**	**140**	-----	-----	-----	**200**	**2.0**	**18**	**8.2**	<3	<1.5	-----	-----	-----	-----
GMW-O-3	10/08/03	Secor	**660**	**280**	-----	-----	-----	**96**	**0.74**	**9.6**	**1.4**	<1	<0.50	-----	-----	-----	-----
GMW-O-3	01/29/04	Secor	**850**	**160**	-----	-----	-----	**120**	**0.63**	**3.0**	**0.72**	<1	<0.50	-----	-----	-----	-----
GMW-O-3	04/20/04	Secor	<50	**130**	-----	-----	-----	**65**	<0.50	<0.50	**0.56**	<0.50	<0.50	-----	-----	-----	-----
GMW-O-3	07/20/04	Secor	**370**	<100	-----	-----	-----	**29**	<0.50	**1.4**	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-3	11/04/04	Secor	**850**	**190**	-----	-----	-----	**71**	<0.50	**2.7**	<0.50	<1	<0.50	-----	-----	-----	-----
GMW-O-3	02/03/05	Secor	**210**	<100	-----	-----	-----	**16**	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-3	05/04/05	Secor	**380**	<100	-----	-----	-----	**32**	**0.67**	**2.1**	**4.6**	<0.50	<0.50	-----	-----	-----	-----
GMW-O-3	08/03/05	Secor	**1,000**	**490**	-----	-----	-----	**4.4**	**1.1**	**110**	<1	<2	<1	-----	-----	-----	-----
GMW-O-3	11/01/05	Secor	**1,300**	**560**	-----	-----	-----	**35**	**2.3**	**67**	**50**	<1	<0.50	-----	-----	-----	-----
GMW-O-3	02/28/06	Secor	**640**	**320**	-----	-----	-----	**26**	<0.50	**7.1**	**6.0**	<0.50	<0.50	-----	-----	-----	-----
GMW-O-3	05/04/06	Secor	**400**	**250**	-----	-----	-----	**19**	<0.50	**0.71**	**1.2**	<0.50	<0.50	-----	-----	-----	-----
GMW-O-3	09/19/06	Secor	**110**	<100	-----	-----	-----	**0.71**	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-3	12/08/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-3	03/13/07	Secor	**51**	<100	-----	-----	-----	<0.50	<0.50	**1.1**	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-3	05/03/07	Secor	**72**	<100	-----	-----	-----	<0.50	<0.50	**0.64**	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-3	08/28/07	Secor	**65**	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-3	11/14/07	Secor	**170**	<100	-----	-----	-----	**3.1**	<0.50	**9.7**	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-3	02/07/08	Secor	**96**	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-3	04/15/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-3	08/14/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-3	10/16/08	Stantec	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-3	02/23/09	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	-----	-----	-----
GMW-O-3	04/21/09	Blaine Tech for AMEC	<50	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	10/20/09	Blaine Tech for Parsons	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	03/15/10	Blaine Tech for Parsons	<50	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<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 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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	07/11/11	CH2M Hill	<50	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	**120**	-----	-----	-----	<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-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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-4	11/17/99	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-4	05/17/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-4	11/29/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-4	05/10/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-4	11/07/01	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-4	04/09/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-4	10/24/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-4	04/09/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-4	10/08/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-4	04/20/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-4	11/04/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-4	05/04/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-4	11/01/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-4	05/04/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-4	12/07/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-4	05/03/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-4	11/15/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-4	04/15/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-4	10/15/08	Stantec	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-4	04/21/09	Blaine Tech for AMEC	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4	10/20/09	Blaine Tech for Parsons	<50	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	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	**0.99**	<0.50	<0.10	<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	<300	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GMW-O-4	11/04/98	Alton Geoscience	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-4	05/06/99		-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	<0.50	-----	-----	-----	-----
GMW-O-4	05/06/99	Alton Geoscience	<500	-----	<500	-----	-----	-----	-----	-----	-----	<1	-----	-----	-----	-----	-----
GMW-O-4	05/17/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-4	11/28/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-4	05/10/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-4	11/07/01	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-4	04/09/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-4	10/24/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-4	04/09/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-4	10/08/03	Secor	<50	<100	-----	-----	-----	<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 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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	04/20/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-4	11/04/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-4	05/04/05	Secor	<50	**220**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-4	11/01/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-4	05/04/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-4	12/07/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-4	05/03/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-4	11/15/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-4	04/15/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-4	10/15/08	Stantec	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-4	04/21/09	Blaine Tech for AMEC	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4	10/20/09	Blaine Tech for Parsons	<50	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	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	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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-5	11/04/98	Alton Geoscience	-----	<100	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-5	02/29/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-5	05/17/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-5	08/29/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-5	11/28/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-5	02/05/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-5	05/10/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-5	09/19/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-5	11/07/01	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-5	01/30/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-5	04/09/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-5	10/24/02	Secor	<300	**2,300**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-5	01/15/03	Geomatrix	<300	<100	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GMW-O-5	04/09/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-5	10/09/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-5	04/21/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-5	11/04/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-5	05/04/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-5	11/01/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-5	05/05/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-5	12/07/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-5	05/03/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-5	11/15/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-5	04/18/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-5	10/15/08	Stantec	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-5	04/21/09	Blaine Tech for AMEC	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-5	10/20/09	Blaine Tech for Parsons	<50	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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	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-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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-6	05/17/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-6	11/28/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**1.9**	-----	-----	-----	-----
GMW-O-6	05/10/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-6	11/07/01	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-6	04/09/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-6	10/24/02	Secor	<300	**190**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-6	10/09/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-6	05/04/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-6	05/05/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-6	05/04/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-6	04/18/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-6	04/21/09	Blaine Tech for AMEC	<50	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-8	10/08/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-8	04/20/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-8	11/04/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-8	05/04/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-8	11/01/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-8	05/04/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-8	12/08/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-8	05/04/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-8	11/14/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-8	04/18/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-8	10/16/08	Stantec	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-8	04/22/09	Blaine Tech for AMEC	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-8	10/21/09	Blaine Tech for Parsons	<50	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	**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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**17**	<0.50	-----	-----	-----	-----
GMW-O-9	05/17/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**72**	<0.50	-----	-----	-----	-----
GMW-O-9	11/29/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**53**	<0.50	-----	-----	-----	-----
GMW-O-9	05/10/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**87**	<0.50	-----	-----	-----	-----
GMW-O-9	11/07/01	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**53**	<0.50	-----	-----	-----	-----
GMW-O-9	04/09/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-9	10/24/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**35**	<0.50	-----	-----	-----	-----
GMW-O-9	04/09/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**50**	<0.50	-----	-----	-----	-----
GMW-O-9	10/09/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**35**	<0.50	-----	-----	-----	-----

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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	04/20/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**15**	<0.50	-----	-----	-----	-----
GMW-O-9	11/04/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**9.9**	<0.50	-----	-----	-----	-----
GMW-O-9	05/06/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**61**	<0.50	-----	-----	-----	-----
GMW-O-9	11/02/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-9	05/05/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**1.8**	<0.50	-----	-----	-----	-----
GMW-O-9	12/07/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**2.5**	<0.50	-----	-----	-----	-----
GMW-O-9	05/04/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-9	11/14/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**5.9**	<0.50	-----	-----	-----	-----
GMW-O-9	04/18/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-9	10/17/08	Stantec	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-9	04/22/09	Blaine Tech for AMEC	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-9	10/20/09	Blaine Tech for Parsons	<50	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-9	04/17/12	CH2M Hill	<50	-----	<50	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-9	10/16/12	CHHL	<50	-----	<50	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-9	04/09/13	CHHL	<50	-----	<50	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-9	10/10/13	CHHL	<50	-----	<50	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-9	04/16/14	CHHL	<50	-----	<50	-----	-----	**1.2**	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-9	10/29/14	BT for CH2MHill	<50	-----	<50	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-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**	**297**	-----	-----	-----	**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**	**27,000**	-----	-----	-----	**8,300**	**5,700**	**860**	**2,640**	<25	**2,600**	-----	-----	-----	-----
GMW-O-10	05/17/00	Secor	**18,000**	**32,000**	-----	-----	-----	**4,500**	**3,300**	**450**	**1,420**	<25	**1,300**	-----	-----	-----	-----
GMW-O-10	11/29/00	Secor	**18,000**	**10,000**	-----	-----	-----	**4,200**	**2,900**	**430**	**1,260**	<25	**1,400**	-----	-----	-----	-----
GMW-O-10	05/10/01	Secor	**7,900**	**4,600**	-----	-----	-----	**2,400**	**810**	**150**	**280**	<10	**950**	-----	-----	-----	-----
GMW-O-10	11/07/01	IT Corporation	**8,100**	**1,300**	-----	-----	-----	**1,200**	**120**	<10	**540**	<10	**1,100**	-----	-----	-----	-----
GMW-O-10	04/11/02	Secor	**960**	**1,000**	-----	-----	-----	**190**	**18**	**5.1**	**157**	**10**	**610**	-----	-----	-----	-----
GMW-O-10	10/24/02	Secor	**2,000**	**2,500**	-----	-----	-----	**270**	**27**	<5	**60**	<5	**290**	-----	-----	-----	-----
GMW-O-10	04/10/03	Secor	**13,000**	**1,900**	-----	-----	-----	**3,600**	**370**	**460**	**780**	<50	**520**	-----	-----	-----	-----
GMW-O-10	08/01/03	Secor	**5,800**	**1,600**	-----	-----	-----	**2,600**	**220**	**320**	**460**	**20**	**580**	-----	-----	-----	-----
GMW-O-10	10/08/03	Secor	**4,900**	**940**	-----	-----	-----	**1,500**	**240**	**160**	**275**	**24**	**460**	-----	-----	-----	-----
GMW-O-10	04/21/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-10	11/04/04	Secor	**8,900**	**1,200**	-----	-----	-----	**3,900**	**85**	**400**	**409**	<30	**590**	-----	-----	-----	-----
GMW-O-10	05/06/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-10	11/02/05	Secor	**52**	<100	-----	-----	-----	**19**	**0.50**	<0.50	<0.50	**1.0**	**10**	-----	-----	-----	-----
GMW-O-10	05/05/06	Secor	**12,000**	**850**	-----	-----	-----	**4,100**	**1,800**	**380**	**640**	<50	**160**	-----	-----	-----	-----
GMW-O-10	12/07/06	Secor	**8,900**	**810**	-----	-----	-----	**4,000**	**470**	**320**	**310**	<50	**190**	-----	-----	-----	-----
GMW-O-10	05/04/07	Secor	**3,800**	**260**	-----	-----	-----	**1,600**	**10**	<10	**120**	<20	**160**	-----	-----	-----	-----
GMW-O-10	11/14/07	Secor	**12,000**	**600**	-----	-----	-----	**5,100**	**54**	**340**	**325**	<50	**190**	-----	-----	-----	-----
GMW-O-10	04/18/08	Secor	**1,300**	**130**	-----	-----	-----	**680**	<5	**14**	**11**	<10	**23**	-----	-----	-----	-----
GMW-O-10	08/14/08	Secor	**1,600**	**160**	-----	-----	-----	**820**	**5.3**	**31**	**42**	<10	<5	-----	-----	-----	-----
GMW-O-10	10/21/08	Stantec	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.58**	-----	-----	-----	-----
GMW-O-10	04/22/09	Blaine Tech for AMEC	**180**	<100	-----	-----	-----	**37**	<0.50	<0.50	<0.50	<0.50	**1.2**	<10	<1	<1	<1
GMW-O-10	10/22/09	Blaine Tech for Parsons	**99**	<100	-----	-----	-----	**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**	<100	-----	-----	-----	**77**	**1.2**	<0.50	<0.50	<1	**0.87**	<10	<1	<1	<1
GMW-O-10	10/07/10	Blaine Tech	**380**	<100	-----	-----	-----	**42**	**1.2**	**0.51**	<0.50	<0.50	**0.79**	<10	<1	<1	<1
GMW-O-10	04/13/11	Blaine Tech	**270**	**140**	-----	-----	-----	**39**	**1.0**	<0.50	<0.50	<0.50	**0.77**	<10	<1	<1	<1
GMW-O-10	10/13/11	CH2M Hill	<50	<100	-----	-----	-----	<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-11	10/04/10	Blaine Tech	**10,000**	**2,100**	-----	-----	-----	**4,200**	**220**	**89**	**170**	<30	**160**	**560**	**32**	<30	<30

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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-12	10/05/10	Blaine Tech	**23,000**	<99,000	-----	-----	-----	**12,000**	<50	<50	<50	<100	**71**	<1,000	<100	<100	<100
GMW-O-12	04/14/11	Blaine Tech	**16,000**	**120,000**	-----	-----	-----	**7,300**	<25	<25	<25	<50	**25**	<500	<50	<50	<50
GMW-O-12	10/13/11	CH2M Hill	**20,000**	**390,000**	-----	-----	-----	**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	-----	**117,000**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
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**	**23,000**	-----	-----	-----	**5,900**	**4,100**	**780**	**2,500**	<50	<50	-----	-----	-----	-----
GMW-O-14	05/17/00	Secor	**10,000**	**9,300**	-----	-----	-----	**2,300**	**630**	**370**	**820**	<50	<100	-----	-----	-----	-----
GMW-O-14	11/29/00	Secor	**42,000**	**59,000**	-----	-----	-----	**8,800**	**5,000**	**1,200**	**4,400**	<50	<50	-----	-----	-----	-----
GMW-O-14	05/10/01	Secor	**5,200**	**17,000**	-----	-----	-----	**100**	**34**	**96**	**237**	<1	<1	-----	-----	-----	-----
GMW-O-14	11/07/01	IT Corporation	**15,000**	**20,000**	-----	-----	-----	**3,900**	**890**	**640**	**1,280**	<1	<2	-----	-----	-----	-----
GMW-O-14	04/09/02	Secor	**38,000**	**13,000**	-----	-----	-----	**7,400**	**2,700**	**990**	**3,200**	<13	**24**	-----	-----	-----	-----
GMW-O-14	07/30/02	IT Corporation	**11,000**	**24,000**	-----	-----	-----	**4,900**	**2,300**	**550**	**1,890**	<13	**14**	-----	-----	-----	-----
GMW-O-14	10/24/02	Secor	**26,000**	**29,000**	-----	-----	-----	**7,100**	**3,500**	**970**	**3,500**	<25	<25	-----	-----	-----	-----
GMW-O-14	01/28/03	Secor	**39,000**	**47,000**	-----	-----	-----	**12,000**	**8,400**	**1,500**	**5,600**	<25	**38**	-----	-----	-----	-----
GMW-O-14	03/12/03	Geomatrix	**1,500**	**710**	-----	-----	-----	**760**	**72**	**66**	**115**	<2.5	**14**	-----	-----	-----	-----
GMW-O-14	04/09/03	Secor	**33,000**	**27,000**	-----	-----	-----	**5,100**	**2,900**	**990**	**3,300**	<40	<20	-----	-----	-----	-----
GMW-O-14	07/30/03	Secor	**20,000**	**12,000**	-----	-----	-----	**3,100**	**1,900**	**790**	**3,200**	**74**	<15	-----	-----	-----	-----
GMW-O-14	10/09/03	Secor	**43,000**	**18,000**	-----	-----	-----	**8,700**	**4,200**	**1,300**	**5,300**	**180**	<50	-----	-----	-----	-----
GMW-O-14	01/29/04	Secor	**55,000**	**19,000**	-----	-----	-----	**13,000**	**6,900**	**1,400**	**5,600**	**240**	<50	-----	-----	-----	-----
GMW-O-14	04/20/04	Secor	**54,000**	**32,000**	-----	-----	-----	**11,000**	**5,700**	**1,500**	**6,100**	**170**	<50	-----	-----	-----	-----
GMW-O-14	07/20/04	Secor	**72,000**	**18,000**	-----	-----	-----	**13,000**	**8,200**	**1,700**	**7,400**	**200**	<50	-----	-----	-----	-----
GMW-O-14	11/04/04	Secor	**41,000**	**23,000**	-----	-----	-----	**9,000**	**7,000**	**1,300**	**5,500**	<200	<100	-----	-----	-----	-----
GMW-O-14	02/03/05	Secor	**34,000**	**4,600**	-----	-----	-----	**8,600**	**2,300**	**950**	**3,100**	**69**	**34**	-----	-----	-----	-----
GMW-O-14	05/04/05	Secor	**420**	**680**	-----	-----	-----	**11**	**1.6**	**18**	**19**	**6.5**	<0.50	-----	-----	-----	-----
GMW-O-14	08/03/05	Secor	**15,000**	**11,000**	-----	-----	-----	**160**	**600**	**290**	**1,840**	<10	<5	-----	-----	-----	-----
GMW-O-14	11/02/05	Secor	**14,000**	**14,000**	-----	-----	-----	**320**	**350**	**160**	**2,690**	<40	<20	-----	-----	-----	-----
GMW-O-14	02/28/06	Secor	**8,200**	**12,000**	-----	-----	-----	**860**	**87**	**18**	**1,020**	**15**	<5	-----	-----	-----	-----
GMW-O-14	05/05/06	Secor	**6,700**	**9,600**	-----	-----	-----	**1,500**	**77**	<10	**450**	**35**	<10	-----	-----	-----	-----
GMW-O-14	09/20/06	Secor	**6,900**	**4,200**	-----	-----	-----	**1,400**	**250**	**39**	**640**	**30**	<10	-----	-----	-----	-----
GMW-O-14	12/07/06	Secor	**9,000**	**17,000**	-----	-----	-----	**1,400**	**150**	**27**	**501**	**36**	<10	-----	-----	-----	-----
GMW-O-14	03/12/07	Secor	**4,700**	**1,300**	-----	-----	-----	**1,000**	**180**	**26**	**400**	**23**	<5	-----	-----	-----	-----
GMW-O-14	05/04/07	Secor	**8,200**	**3,300**	-----	-----	-----	**1,700**	**330**	**48**	**570**	**44**	<10	-----	-----	-----	-----
GMW-O-14	08/28/07	Secor	**12,000**	**6,200**	-----	-----	-----	**75**	**110**	**200**	**1,000**	<5	<2.5	-----	-----	-----	-----
GMW-O-14	11/15/07	Secor	**16,000**	**74,000**	-----	-----	-----	**320**	**300**	**520**	**2,470**	<20	<10	-----	-----	-----	-----
GMW-O-14	02/20/08	Secor	**35,000**	**7,700**	-----	-----	-----	**7,900**	**1,900**	**1,200**	**3,400**	<100	<50	-----	-----	-----	-----
GMW-O-14	04/15/08	Secor	**26,000**	**31,000**	-----	-----	-----	**4,900**	**1,800**	**840**	**2,800**	**59**	<25	-----	-----	-----	-----
GMW-O-14	08/14/08	Secor	**25,000**	**44,000**	-----	-----	-----	**4,300**	**1,100**	**730**	**2,800**	**70**	<25	-----	-----	-----	-----
GMW-O-14	10/16/08	Stantec	**21,000**	**12,000**	-----	-----	-----	**3,200**	**940**	**500**	**3,000**	<30	<15	-----	-----	-----	-----
GMW-O-14	02/23/09	Blaine Tech	**30,000**	**12,000**	-----	-----	-----	**6,100**	**3,500**	**1,200**	**3,900**	**77**	<25	<500	-----	-----	-----
GMW-O-14	04/22/09	Blaine Tech for AMEC	**36,000**	**8,300**	-----	-----	-----	**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**	**12,000**	-----	-----	-----	**7,800**	**1,900**	**1,500**	**4,100**	**86**	<25	<500	**130**	<50	<50
GMW-O-14	10/23/09	Blaine Tech for Parsons	**40,000**	**21,000**	-----	-----	-----	**14,000**	**1,900**	**1,500**	**3,500**	<200	<100	<2,000	<200	<200	<200
GMW-O-14	03/16/10	Blaine Tech for Parsons	**57,000**	**24,000**	-----	-----	-----	**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**	**7,400**	-----	-----	-----	**7,900**	**1,500**	**370**	**2,180**	**110**	<25	<500	**180**	<50	<50
GMW-O-14	07/14/10	Blaine Tech	**22,000**	**6,700**	-----	-----	-----	**7,900**	**420**	**77**	**1,500**	**100**	<50	<1,000	**130**	<100	<100
GMW-O-14	10/07/10	Blaine Tech	**16,000**	**3,200**	-----	-----	-----	**5,900**	**200**	**220**	**680**	<100	<50	<1,000	<100	<100	<100
GMW-O-14	01/11/11	Blaine Tech	**49,000**	**11,000**	-----	-----	-----	**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**	**9,800**	-----	-----	-----	**8,200**	**470**	**680**	**2,300**	<100	<50	<1,000	**160**	<100	<100
GMW-O-14	07/12/11	CH2M Hill	**12,000**	**5,500**	-----	-----	-----	**3,800**	**50**	<25	**1,800**	<50	<25	<500	<50	<50	<50
GMW-O-14	10/12/11	CH2M Hill	**16,000**	**3,400**	-----	-----	-----	**4,000**	**55**	<25	**2,500**	<50	<25	<500	<50	<50	<50
GMW-O-14	01/09/12	CH2M Hill	**38,000**	**11,000**	-----	-----	-----	**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

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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	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-15	10/16/08	Stantec	**1,700**	**2,800**	-----	-----	-----	**550**	**3.0**	**37**	**34**	<5	**110**	-----	-----	-----	-----
GMW-O-15	03/16/10	Blaine Tech for Parsons	**530**	**8,900**	-----	-----	-----	**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**	**62,000**	-----	-----	-----	**1,700**	**54**	**120**	**176**	<10	**1,300**	**1,800**	<10	<10	**11**
GMW-O-15	05/25/10	Blaine Tech	**650**	**5,600**	-----	-----	-----	**82**	**16**	**8.4**	**44**	<2	**180**	**1,500**	<2	<2	<2
GMW-O-15	07/13/10	Blaine Tech	**580**	**250**	-----	-----	-----	**110**	**7.5**	**11**	**27**	<1	**300**	**5,100**	<1	<1	**1.5**
GMW-O-15	08/12/10	Blaine Tech	**710**	**370**	-----	-----	-----	**120**	**4.1**	**10**	**34**	<1	**260**	**5,300**	<1	<1	**1.5**
GMW-O-15	09/20/10	Blaine Tech	**620**	**500**	-----	-----	-----	**120**	**3.3**	**13**	**24**	<1	**230**	**6,000**	<1	<1	**1.4**
GMW-O-15	10/05/10	Blaine Tech	**14,000**	**6,000**	-----	-----	-----	**1,800**	**280**	**92**	**760**	<20	**3,200**	**3,000**	<20	<20	**35**
GMW-O-15	12/22/10	Blaine Tech	**28,000**	**19,000**	-----	-----	-----	**3,900**	**610**	**850**	**3,000**	<40	**1,900**	**1,300**	<40	<40	<40
GMW-O-15	01/12/11	Blaine Tech	**12,000**	**15,000**	-----	-----	-----	**1,300**	**49**	**280**	**700**	<20	**430**	**12,000**	<20	<20	<20
GMW-O-15	02/24/11	Blaine Tech	**12,000**	**10,000**	-----	-----	-----	**700**	**450**	**310**	**1,300**	<10	**970**	**4,100**	<10	<10	**20**
GMW-O-15	03/23/11	Blaine Tech	**2,400**	**4,300**	-----	-----	-----	**210**	**47**	**39**	**190**	<2	**310**	**3,600**	<2	<2	**5.2**
GMW-O-15	04/29/11	Blaine Tech	**1,200**	**1,500**	-----	-----	-----	**250**	**27**	**27**	**154**	<2	**350**	**3,900**	<2	<2	**2.4**
GMW-O-15	05/13/11	Blaine Tech	**1,300**	**1,600**	-----	-----	-----	**200**	**18**	**22**	**127**	<2	**350**	**6,600**	<2	<2	**3.6**
GMW-O-15	06/22/11		**1,800**	**1,200**	-----	-----	-----	**190**	**95**	**34**	**220**	<1	**310**	**6,800**	<1	<1	**1.8**
GMW-O-15	07/12/11	CH2M Hill	**1,000**	**970**	-----	-----	-----	**150**	**17**	**14**	**97**	<2	**220**	**6,400**	<2	<2	<2
GMW-O-15	08/19/11	CH2M Hill	**33,000**	**550,000**	-----	-----	-----	**820**	**2,200**	**610**	**4,400**	<50	**290**	**9,200**	<50	<50	<50
GMW-O-15	09/22/11	CH2M Hill	**3,400**	**1,000**	-----	-----	-----	**480**	**290**	**58**	**320**	<5	**640**	**6,800**	<5	<5	**10**
GMW-O-15	10/13/11	CH2M Hill	**3,900**	**1,600**	-----	-----	-----	**530**	**290**	**73**	**460**	<10	**220**	**3,200**	<10	<10	<10
GMW-O-15	12/21/11	CH2M Hill	**520**	**570**	-----	-----	-----	**110**	**1.5**	**5.7**	**22**	<2	**79**	**5,300**	<2	<2	<2
GMW-O-15	01/10/12	CH2M Hill	**470**	**1,200**	-----	-----	-----	**110**	**1.3**	**6.9**	**15**	<1	**86**	**4,300**	<1	<1	**1.2**
GMW-O-15	02/23/12	CH2M HILL	**4,800**	**6,900**	-----	-----	-----	**340**	**390**	**85**	**600**	<5	**110**	**4,000**	<5	<5	**17**
GMW-O-15	03/28/12	CH2M HILL	**1,300**	-----	**120**	-----	-----	**230**	**68**	**13**	**110**	<2	**99**	**4,600**	<2	<2	<2
GMW-O-15	04/27/12	CH2M Hill	**2,100**	-----	**1,300**	-----	-----	**180**	**67**	**16**	**160**	<1	**49**	**4,300**	<1	<1	**1.0**
GMW-O-15	05/25/12	CH2M HILL	**110,000**	-----	**24,000**	-----	-----	**320**	**270**	**420**	**3,400**	<100	**190**	<1,000	<100	<100	**100**
GMW-O-15	07/11/12	CHHL	**17,000**	-----	**13,000**	-----	-----	**6,700**	**63**	**120**	**270**	<100	**1,500**	**1,600**	<100	<100	<100
GMW-O-15	08/29/12	CHHL	**190**	-----	**89**	-----	-----	**73**	**1.2**	**3.3**	**8.1**	<0.50	**22**	**5,300**	<1	<1	<1
GMW-O-15	09/26/12	CHHL	**220**	-----	<50	-----	-----	**53**	**0.74**	**3.7**	**7.3**	<0.50	**17**	**2,900**	<1	<1	<1
GMW-O-15	10/18/12	CHHL	**210**	-----	**140**	-----	-----	**50**	<0.50	**3.3**	**5.9**	<1	**13**	**2,600**	<1	<1	<1
GMW-O-15	11/29/12	CHHL	**380**	-----	**75**	-----	-----	**140**	**1.3**	**3.0**	**6.4**	<2	**33**	**3,900**	<2	<2	<2
GMW-O-15	12/26/12	CHHL	**1,400**	-----	**110**	-----	-----	**100**	**23**	**3.4**	**20**	<0.50	**22**	**3,900**	<1	<1	<1
GMW-O-15	01/15/13	CHHL	**1,200**	-----	<50	-----	-----	**240**	**29**	**16**	**45**	<3	**52**	**3,100**	<3	<3	<3
GMW-O-15	02/20/13	CHHL	**230**	-----	<50	-----	-----	**59**	<0.50	**2.5**	**3.2**	<1	**14**	**3,100**	<1	<1	<1
GMW-O-15	04/12/13	CHHL	**460**	-----	**110**	-----	-----	**89**	**2.3**	**4.6**	**5.5**	<1	**36**	**3,600**	<1	<1	<1
GMW-O-15	10/11/13	CHHL	**56,000**	-----	**88,000**	-----	-----	**7,600**	**2,300**	**750**	**4,100**	<100	**8,000**	**7,100**	<100	<100	<100
GMW-O-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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-16	05/17/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.80**	-----	-----	-----	-----
GMW-O-16	11/30/00	Secor	<300	<100	-----	-----	-----	**0.80**	<0.50	<0.50	<0.50	<0.50	**0.60**	-----	-----	-----	-----
GMW-O-16	05/10/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-16	04/10/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-16	10/22/02	Secor	<300	<100	-----	-----	-----	**1.6**	**0.98**	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-16	04/09/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-16	10/07/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-16	04/22/04	Secor	<50	**3,600**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-16	07/20/04	Secor	-----	<100	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GMW-O-16	11/02/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-16	05/05/05	Secor	**92**	<100	-----	-----	-----	**1.6**	<0.50	<0.50	<0.50	<0.50	**110**	-----	-----	-----	-----
GMW-O-16	08/02/05	Secor	**57**	<100	-----	-----	-----	**1.3**	<0.50	<0.50	<0.50	<0.50	**93**	-----	-----	-----	-----
GMW-O-16	11/02/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**57**	-----	-----	-----	-----
GMW-O-16	02/28/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**5.3**	-----	-----	-----	-----
GMW-O-16	05/04/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**6.3**	-----	-----	-----	-----

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-O-16	09/19/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.57**	-----	-----	-----	-----
GMW-O-16	12/05/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-16	05/05/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-16	11/14/07	Secor	<50	**1,400**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-16	02/07/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.68**	-----	-----	-----	-----
GMW-O-16	04/16/08	Secor	<50	<100	-----	-----	-----	<0.50	**1.2**	**0.59**	**5.5**	<0.50	**0.63**	-----	-----	-----	-----
GMW-O-16	10/14/08	Stantec	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	**0.60**	<0.50	**0.65**	-----	-----	-----	-----
GMW-O-16	04/23/09	Blaine Tech for AMEC	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.55**	<10	<1	<1	<1
GMW-O-16	10/21/09	Blaine Tech for Parsons	<50	**250**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-16	03/16/10	Blaine Tech for Parsons	<50	**140**	-----	-----	-----	<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	<100	-----	-----	-----	<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	**120**	-----	-----	-----	<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	<100	-----	-----	-----	**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	<100	-----	-----	-----	**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	**170**	-----	-----	-----	**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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**1.3**	<10	<1	<1	<1
GMW-O-16	11/16/10	Blaine Tech	<50	**160**	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	**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	<100	-----	-----	-----	<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	**100**	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**1.8**	<10	<1	<1	<1
GMW-O-16	06/22/11		<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**1.9**	<10	<1	<1	<1
GMW-O-16	07/12/11	CH2M Hill	<50	**120**	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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-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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-17	05/17/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-17	11/29/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-17	05/10/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-17	11/07/01	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-17	04/09/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-17	10/24/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-17	10/09/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-17	05/04/05	Secor	<50	<100	-----	-----	-----	<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 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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	05/05/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-17	05/03/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-17	04/18/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-17	04/22/09	Blaine Tech for AMEC	<50	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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-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**	<100	-----	-----	-----	<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**	<100	-----	-----	-----	<13	<12.5	<12.5	<12.5	<13	**6,700**	-----	-----	-----	-----
GMW-O-18	05/19/00	Secor	**3,500**	<100	-----	-----	-----	<25	<25	<25	<25	<25	**10,000**	-----	-----	-----	-----
GMW-O-18	11/02/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**1.4**	-----	-----	-----	-----
GMW-O-18	05/09/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**2.1**	-----	-----	-----	-----
GMW-O-18	12/07/06	Secor	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<1	**0.65**	-----	-----	-----	-----
GMW-O-18	05/04/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.62**	-----	-----	-----	-----
GMW-O-18	11/15/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**1.6**	-----	-----	-----	-----
GMW-O-18	04/15/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-18	10/15/08	Stantec	<200	<100	-----	-----	-----	<1	<1	<1	<1	<2	<1	-----	-----	-----	-----
GMW-O-18	04/23/09	Blaine Tech for AMEC	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**1.0**	**140**	<1	<1	<1
GMW-O-18	10/21/09	Blaine Tech for Parsons	**2,400**	**680**	-----	-----	-----	**170**	**440**	**17**	**410**	<5	**490**	**480**	<5	<5	<5
GMW-O-18	03/16/10	Blaine Tech for Parsons	<50	<100	-----	-----	-----	**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**	**6,600**	-----	-----	-----	**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**	**540**	-----	-----	-----	<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**	<100	-----	-----	-----	<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**	<100	-----	-----	-----	**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**	<100	-----	-----	-----	**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**	<1,100	-----	-----	-----	**1,200**	**420**	**23**	**91**	<10	**670**	**2,600**	<10	<10	<10
GMW-O-18	11/16/10	Blaine Tech	**2,000**	**120**	-----	-----	-----	<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	**130**	-----	-----	-----	<1	<1	<1	<1	<2	<1	**29,000**	<2	<2	<2
GMW-O-18	02/24/11	Blaine Tech	**1,400**	**2,100**	-----	-----	-----	**60**	**31**	**19**	**85**	<0.50	**380**	**1,600**	<1	<1	**3.9**
GMW-O-18	03/23/11	Blaine Tech	**110**	**230**	-----	-----	-----	**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	**120**	-----	-----	-----	**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	**230**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<1	<0.50	<10	<1	<1	<1
GMW-O-18	06/22/11		**7,500**	**37,000**	-----	-----	-----	<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**	**12,000**	-----	-----	-----	**17**	**3.9**	**3.2**	**40**	<2	**85**	**61**	<2	<2	<2
GMW-O-18	09/22/11	CH2M Hill	**34,000**	**64,000**	-----	-----	-----	**700**	**110**	**690**	**5,300**	<50	**400**	**6,100**	<50	<50	**54**
GMW-O-18	10/14/11	CH2M Hill	**6,000**	**36,000**	-----	-----	-----	**190**	**13**	**36**	**100**	<20	**1,600**	**6,600**	<20	<20	**26**
GMW-O-18	11/23/11	CH2M Hill	**25,000**	**150,000**	-----	-----	-----	**65**	<10	**51**	<10	<20	**310**	**6,000**	<20	<20	**22**
GMW-O-18	12/21/11	CH2M Hill	**190**	**26,000**	-----	-----	-----	<0.50	<0.50	<0.50	**0.53**	<0.50	**70**	**1,600**	<1	<1	<1
GMW-O-18	01/10/12	CH2M Hill	**570**	**1,400**	-----	-----	-----	**100**	<0.50	**5.3**	**3.9**	<1	**110**	**4,800**	<1	<1	**2.2**
GMW-O-18	02/23/12	CH2M HILL	**180**	**140**	-----	-----	-----	**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

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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	11/25/96	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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.50**	-----	-----	-----	-----
GMW-O-19	05/17/00	Secor	<300	**180**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-19	09/19/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-19	11/07/01	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-19	01/30/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-19	04/09/03	Secor	<50	**500**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-19	08/01/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-19	10/07/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-19	04/22/04	Secor	<50	**1,400**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-19	07/20/04	Secor	-----	<100	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GMW-O-19	11/02/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-19	05/05/05	Secor	**510**	**110**	-----	-----	-----	**110**	<0.50	**17**	**25**	<1	**150**	-----	-----	-----	-----
GMW-O-19	08/02/05	Secor	**160**	<100	-----	-----	-----	**2.1**	<0.50	**1.2**	<0.50	<0.50	**19**	-----	-----	-----	-----
GMW-O-19	11/02/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-19	02/28/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-19	05/04/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-19	12/05/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-19	05/05/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-19	11/15/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-19	04/16/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-19	10/14/08	Stantec	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-O-19	04/23/09	Blaine Tech for AMEC	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	10/20/09	Blaine Tech for Parsons	<50	<200	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	03/15/10	Blaine Tech for Parsons	<50	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	**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	<100	-----	-----	-----	<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	**340**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	11/16/10	Blaine Tech	<50	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	06/22/11		<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	07/11/11	CH2M Hill	<50	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	**110**	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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	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-20	10/05/10	Blaine Tech	**46,000**	<15,0000	-----	-----	-----	**17,000**	**390**	**680**	**2,700**	<200	<100	<2,000	<200	<200	<200
GMW-O-20	04/13/11	Blaine Tech	**42,000**	**680,000**	-----	-----	-----	**12,000**	**170**	**580**	**400**	<200	<100	<2,000	<200	<200	<200
GMW-O-20	10/13/11	CH2M Hill	**34,000**	**2,000,000**	-----	-----	-----	**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-21	10/07/03	Secor	**47,000**	**20,000**	-----	-----	-----	**15,000**	**5,200**	**500**	**3,160**	<100	**5,200**	-----	-----	-----	-----
GMW-O-21	10/08/10	Blaine Tech	**66,000**	**8,000**	-----	-----	-----	**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**	**5,300**	-----	-----	-----	**7,400**	**2,400**	**190**	**1,940**	<50	**95**	<500	**86**	<50	<50
GMW-O-21	10/14/11	CH2M Hill	**31,000**	**6,400**	-----	-----	-----	**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-23	10/08/10	Blaine Tech	**120,000**	**25,000**	-----	-----	-----	**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**	**12,000**	-----	-----	-----	**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**	**7,200**	-----	-----	-----	**16,000**	**11,000**	**540**	**3,800**	<200	**1,500**	<2,000	<200	<200	<200
GMW-O-23	10/19/12	CHHL	**29,000**	-----	**31,000**	-----	-----	**7,000**	**5,000**	**130**	**1,900**	<100	**400**	<1,000	<100	<100	<100
GMW-O-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-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	<100	-----	-----	-----	**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**	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**200**	-----	-----	-----	-----
GMW-SF-7	05/17/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-SF-7	11/29/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-SF-7	05/08/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-SF-7	11/06/01	Secor	<300	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**1.9**	-----	-----	-----	-----
GMW-SF-7	10/22/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**2.5**	-----	-----	-----	-----
GMW-SF-7	01/29/03	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**4.1**	-----	-----	-----	-----
GMW-SF-7	04/09/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.73**	-----	-----	-----	-----
GMW-SF-7	07/30/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-SF-7	10/06/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-SF-7	01/28/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-SF-7	04/20/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**32**	-----	-----	-----	-----
GMW-SF-7	07/19/04	Secor	**550**	<100	-----	-----	-----	<1	<1	<1	<1	<2	**680**	-----	-----	-----	-----
GMW-SF-7	11/02/04	Secor	**220**	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**340**	-----	-----	-----	-----
GMW-SF-7	02/02/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-SF-7	05/04/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-SF-7	08/02/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-SF-7	11/01/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-SF-7	02/27/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-SF-7	05/02/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-SF-7	09/18/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-SF-7	12/05/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-SF-7	03/13/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-SF-7	05/05/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-SF-7	08/30/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-SF-7	11/13/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-SF-7	04/16/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-SF-7	10/14/08	Stantec	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-SF-7	04/22/09	Blaine Tech for AMEC	<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 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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	10/21/09	Blaine Tech for Parsons	<50	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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-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**	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**800**	-----	-----	-----	-----
GMW-SF-8	05/17/00	Secor	<300	**250**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**42**	-----	-----	-----	-----
GMW-SF-8	11/30/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**220**	-----	-----	-----	-----
GMW-SF-8	05/08/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**20**	-----	-----	-----	-----
GMW-SF-8	11/06/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**260**	-----	-----	-----	-----
GMW-SF-8	04/10/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**3.8**	-----	-----	-----	-----
GMW-SF-8	10/22/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**5.2**	-----	-----	-----	-----
GMW-SF-8	01/29/03	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**1.5**	-----	-----	-----	-----
GMW-SF-8	04/09/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**6.5**	-----	-----	-----	-----
GMW-SF-8	07/30/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-SF-8	10/06/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-SF-8	01/27/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-SF-8	04/20/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-SF-8	07/19/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-SF-8	11/03/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-SF-8	02/02/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-SF-8	05/04/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-SF-8	08/01/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-SF-8	11/01/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-SF-8	02/27/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-SF-8	05/02/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-SF-8	09/18/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<1	<0.50	-----	-----	-----	-----
GMW-SF-8	12/05/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-SF-8	05/04/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-SF-8	11/14/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-SF-8	04/16/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-SF-8	10/14/08	Stantec	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GMW-SF-8	04/23/09	Blaine Tech for AMEC	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-8	10/21/09	Blaine Tech for Parsons	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-8	05/26/10	Blaine Tech	<50	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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-9	09/24/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**9.2**	-----	-----	-----	-----
GMW-SF-9	10/10/03	Geomatrix	**79**	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**14**	-----	-----	-----	-----
GMW-SF-9	10/07/10	Blaine Tech	<50	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	**1,300**	-----	-----	-----	**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

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GMW-SF-9	10/17/12	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**	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**210**	-----	-----	-----	-----
GMW-SF-10	10/10/03	Geomatrix	**100**	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**120**	-----	-----	-----	-----
GMW-SF-10	10/07/10	Blaine Tech	<50	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	Blaine Tech for Parsons	<100	-----	-----	-----	<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	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-2	01/12/10	Blaine Tech for DESC	<100	-----	-----	-----	**120**	**3.6**	<0.50	<0.50	<0.50	**23**	**1.8**	**8.8 J**	**2.6**	<2	<2
GW-2	10/08/10	Blaine Tech for Parsons	**180**	-----	-----	-----	**800**	**18**	-----	-----	-----	**4.6**	**1.4**	**21**	-----	-----	-----
GW-2	04/19/12	Parsons	<100	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	**4.0**	**0.60**	<10	<2	<2	<2
GW-2	07/10/12	Parsons	**---**	-----	-----	-----	**110**	**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-3	04/11/03	GTI	-----	**134**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GW-3	10/11/03	Blaine Tech for Parsons	-----	**300**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**2.9**	-----	-----	-----	-----
GW-3	04/22/04	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**1.3**	<10	<2	<2	<2
GW-3	11/04/04	Blaine Tech for Parsons	-----	**3,900**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-3	05/10/05	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-3	11/08/05	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-3	05/03/06	Blaine Tech for Parsons	-----	**200**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-3	12/06/06	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-3	05/03/07	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-3	11/14/07	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-3	04/17/08	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-3	10/16/08	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-3	04/24/09	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**17**	<2	<2	<2
GW-3	10/22/09	Blaine Tech for DESC	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-3	04/15/10	Blaine Tech for DESC	-----	-----	-----	-----	<100	<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-6	11/06/98	GTI	**339**	<100	-----	-----	-----	**9.3**	**1.1**	**8.4**	**6.6**	<0.50	<0.50	-----	-----	-----	-----
GW-6	05/27/99	GTI	<300	<100	-----	-----	-----	**62**	<0.50	**12**	<0.50	<0.50	<0.50	-----	-----	-----	-----
GW-6	11/18/99	IT Corporation	**690**	**930**	-----	-----	-----	**90**	<1	**80**	<0.50	<0.50	<0.50	-----	-----	-----	-----
GW-6	05/17/00	IT Corporation	<300	**160**	-----	-----	-----	**1.7**	<0.50	**2.5**	<0.50	<0.50	**19**	-----	-----	-----	-----
GW-6	12/01/00	IT Corporation	<300	**180**	-----	-----	-----	**3.7**	<0.50	**1.6**	<0.50	<0.50	**21**	-----	-----	-----	-----
GW-6	05/10/01	IT Corporation	<300	**140**	-----	-----	-----	**0.70**	<0.50	<0.50	<0.50	<0.50	**23**	-----	-----	-----	-----
GW-6	11/08/01	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**21**	-----	-----	-----	-----
GW-6	10/24/02	GTI	<300	<100	-----	-----	-----	<0.50	<1	<1	<1	<0.50	**9.6**	-----	-----	-----	-----
GW-6	04/11/03	GTI	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
GW-6	10/10/03	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.71**	-----	-----	-----	-----
GW-6	04/22/04	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-6	11/04/04	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-6	05/10/05	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-6	11/08/05	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-6	05/05/06	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-6	05/02/07	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-6	04/17/08	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-6	10/15/08	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-6	04/21/09	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	**1.5**	<10	<2	<2	<2
GW-6	10/22/09	Blaine Tech for DESC	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	**1.8**	<10	<2	<2	<2
GW-6	04/13/10	Blaine Tech for DESC	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	**0.76**	<10	<2	<2	<2
GW-6	10/05/10	Blaine Tech for Parsons	-----	-----	-----	-----	**110**	<0.50	-----	-----	-----	<0.50	**1.1**	**4.7 J**	-----	-----	-----
GW-6	10/12/11	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	**0.51**	<10	<2	<2	<2
GW-6	04/18/12	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	**0.54**	<10	<2	<2	<2
GW-6	10/19/12	Parsons	-----	-----	-----	-----	<100	<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

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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	10/08/13	Parsons	<100	-----	**180 HD**	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**1.1**	**12**	<2	<2	<2
GW-6	04/15/14	Parsons	<100	-----	<95	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-6	10/27/14	SGI	<100	-----	<100	-----	-----	<0.50	<0.50	<0.50	<1.5	<0.50	<2.0	<10	<2.0	<2.0	<2.0
GW-7	04/12/02	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**1.8**	-----	-----	-----	-----
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-13(1")	11/15/07	Blaine Tech for Parsons	-----	**1,400**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**0.94**	**3.5**	**20**	<2	<2	<2
GW-13(6")	05/03/07	Blaine Tech for Parsons	-----	**2,800**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**0.83**	**5.3**	**31**	<2	<2	<2
GW-13(6")	04/17/08	Blaine Tech for Parsons	**230**	**1,300**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**0.99**	**4.4**	**28**	<2	<2	<2
GW-13(6")	04/24/09	Blaine Tech for Parsons	<100	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	**14**	**11**	<10	**2.1**	<2	<2
GW-13(6")	01/12/10	Blaine Tech for DESC	<100	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	**21**	**4.8**	**5.2 J**	**3.7**	<2	<2
GW-13(6")	04/13/10	Blaine Tech for DESC	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	**7.4**	**12**	**16**	**1.5 J**	<2	<2
GW-13(6")	10/08/10	Blaine Tech for Parsons	<100	-----	-----	-----	**120**	<0.50	-----	-----	-----	**5.0**	**11**	**24**	-----	-----	-----
GW-13(6")	04/22/11	Blaine Tech 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	-----	-----	-----	<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	-----	-----	-----	-----	<100	<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-14(1")	11/15/07	Blaine Tech for Parsons	-----	**950**	-----	-----	-----	**35**	<0.50	**14**	**3.9**	<0.50	**18**	**20**	<2	<2	<2
GW-14(1")	04/18/08	Blaine Tech for Parsons	**900**	**1,000**	-----	-----	-----	**78**	<0.50	<0.50	**2.3**	<0.50	**18**	**13**	<2	<2	<2
GW-14(1")	10/22/09	Blaine Tech for DESC	**110**	-----	-----	-----	**900**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-14(1")	01/13/10	Blaine Tech for DESC	**950**	-----	-----	-----	**2,100**	**62**	**0.35 J**	**1.0**	**1.4**	<0.50	**17**	**18**	<2	<2	<2
GW-14(6")	05/03/07	Blaine Tech for Parsons	-----	**4,000**	-----	-----	-----	**200**	**5.2**	**220**	**900**	-----	**39**	-----	-----	-----	-----
GW-14(6")	10/16/08	Blaine Tech for Parsons	**820**	-----	-----	-----	**2,700**	**40**	<0.50	**2.1**	**1.0**	<0.50	**22**	**16**	<2	<2	<2
GW-14(6")	04/24/09	Blaine Tech for Parsons	**690**	-----	-----	-----	**1,600**	**66**	<0.50	**0.99**	**0.64**	<0.50	**13**	**14**	<2	<2	<2
GW-14(6")	04/15/11	Blaine Tech for Parsons	-----	-----	-----	-----	**2,600**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GW-14(6")	04/22/11	Blaine Tech 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**	-----	-----	-----	**1,300**	**19**	<0.50	**14**	**6.5**	<0.50	**8.5**	<10	<2	<2	<2
GW-14(6")	07/10/12	Parsons	-----	-----	-----	-----	**2,200**	**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	Blaine Tech for Parsons	**8,500**	**1,600**	---	-----	-----	**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-16(6")	10/23/09	Blaine Tech for DESC	<100	-----	---	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-16(6")	01/13/10	Blaine Tech for DESC	<100	-----	---	-----	**460**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**6.4 J**	<2	<2	<2
GW-16(6")	04/19/10	Blaine Tech for DESC	-----	-----	---	-----	<100	<0.50	<0.50	**2.6**	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-16(6")	10/08/10	Blaine Tech for Parsons	<100	-----	---	-----	<100	**1.7**	-----	-----	-----	<0.50	<0.50	**5.5 J**	-----	-----	-----
GW-16(6")	04/12/11	Blaine Tech for Parsons	<100	-----	---	-----	<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
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**	**3,320**	-----	-----	-----	**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**	**800**	-----	-----	-----	**220**	<10	**14**	**14**	<10	**690**	-----	-----	-----	-----
GWR-1	05/16/00	Secor	**880**	**1,400**	-----	-----	-----	**160**	<10	**16**	**16**	**6.1**	**550**	-----	-----	-----	-----
GWR-1	11/30/00	Secor	**3,200**	**5,300**	-----	-----	-----	**1,600**	**8.6**	**87**	**33**	<0.50	**360**	-----	-----	-----	-----
GWR-1	05/08/01	Secor	**4,400**	**6,900**	-----	-----	-----	**1,800**	**170**	**160**	**235**	<10	**370**	-----	-----	-----	-----
GWR-1	11/06/01	Secor	**2,300**	**710**	-----	-----	-----	**240**	**13**	**31**	**56**	<0.50	**2,400**	-----	-----	-----	-----
GWR-1	04/09/02	Secor	**2,500**	**1,000**	-----	-----	-----	**580**	<10	**18**	**57**	<10	**4,000**	-----	-----	-----	-----
GWR-1	10/23/02	Secor	**1,900**	**1,900**	-----	-----	-----	**270**	<10	<10	<10	<10	**2,500**	-----	-----	-----	-----
GWR-1	10/07/03	Secor	**1,400**	**500**	-----	-----	-----	**150**	**1.7**	**7.5**	**20**	**110**	**1,300**	-----	-----	-----	-----
GWR-1	05/06/05	Secor	**16,000**	**39,000**	-----	-----	-----	**260**	**610**	**460**	**2,060**	<5	**11**	-----	-----	-----	-----
GWR-1	08/01/05	Secor	**8,300**	**3,800**	-----	-----	-----	**1,700**	**490**	**370**	**1,110**	<20	**25**	-----	-----	-----	-----

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
GWR-1	05/04/06	Secor	**3,700**	**1,900**	-----	-----	-----	**980**	**23**	**120**	**343**	<10	**19**	-----	-----	-----	-----
GWR-1	09/18/06	Secor	**960**	**880**	-----	-----	-----	**220**	**4.4**	**19**	**64**	<2	**5.4**	-----	-----	-----	-----
GWR-1	05/02/07	Secor	**750**	**720**	-----	-----	-----	**170**	**1.3**	**12**	<1	<2	**4.1**	-----	-----	-----	-----
GWR-1	04/17/08	Secor	**3,600**	**1,500**	-----	-----	-----	**1,700**	**17**	**87**	**60**	<30	**21**	-----	-----	-----	-----
GWR-1	04/20/09	Blaine Tech for AMEC	**5,100**	**1,700**	-----	-----	-----	**3,000**	<15	**48**	<15	<30	**31**	<300	**30**	<30	<30
GWR-1	05/27/10	Blaine Tech	**2,100**	**1,100**	-----	-----	-----	**800**	**9.5**	**16**	**34**	<10	**23**	<100	**27**	<10	<10
GWR-1	04/13/11	Blaine Tech	**1,300**	**2,300**	-----	-----	-----	**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**	<29,000	-----	-----	-----	**10,000**	<100	<100	<100	<200	**400**	<2,000	<200	<200	<200
GWR-3	04/13/11	Blaine Tech	**25,000**	**36,000**	-----	-----	-----	**11,000**	<50	<50	<50	<100	**300**	<1,000	<100	<100	<100
GWR-3	10/13/11	CH2M Hill	<20,000	**6,600**	-----	-----	-----	**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	<100	-----	-----	-----	**0.95**	<0.50	<0.50	**0.60**	**0.94**	**14**	-----	-----	-----	-----
HL-2	05/07/99	Alton Geoscience	<500	-----	<500	-----	-----	**1.8**	**5.1**	<0.50	**1.8**	<1	**4.8**	-----	-----	-----	-----
HL-2	11/19/99	Secor	<300	<100	-----	-----	-----	**2.0**	<0.50	<0.50	<0.50	**2.6**	**36**	-----	-----	-----	-----
HL-2	05/16/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**1.4**	**14**	-----	-----	-----	-----
HL-2	11/29/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**3.2**	-----	-----	-----	-----
HL-2	05/08/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**7.3**	-----	-----	-----	-----
HL-2	11/06/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.80**	-----	-----	-----	-----
HL-2	04/09/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
HL-2	04/08/03	Secor	<50	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.96**	-----	-----	-----	-----
HL-2	04/21/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**7.9**	-----	-----	-----	-----
HL-2	07/08/04	Geomatrix	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.67**	-----	-----	-----	-----
HL-2	05/06/05	Secor	**280**	<100	-----	-----	-----	**78**	<0.50	<0.50	**1.2**	**15**	**130**	-----	-----	-----	-----
HL-2	11/03/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<1	**1.8**	-----	-----	-----	-----
HL-2	05/09/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**1.7**	-----	-----	-----	-----
HL-2	12/06/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
HL-2	05/02/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
HL-2	11/13/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
HL-2	04/17/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.56**	-----	-----	-----	-----
HL-2	10/17/08	Stantec	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
HL-2	04/20/09	Blaine Tech for AMEC	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-2	10/21/09	Blaine Tech for Parsons	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-2	05/26/10	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-2	10/06/10	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-2	04/12/11	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.57**	<10	<1	<1	<1
HL-2	10/11/11	CH2M Hill	<50	<100	-----	-----	-----	<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-3	05/10/01	Secor	<300	**300**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**1.4**	**110**	-----	-----	-----	-----
HL-3	11/06/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**1.6**	**93**	-----	-----	-----	-----
HL-3	04/10/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**1.1**	**77**	-----	-----	-----	-----
HL-3	10/23/02	Secor	<300	**360**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**85**	-----	-----	-----	-----
HL-3	10/07/03	Secor	**80**	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**67**	-----	-----	-----	-----
HL-3	05/06/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
HL-3	05/03/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
HL-3	05/02/07	Secor	**81**	**290**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**38**	-----	-----	-----	-----
HL-3	04/17/08	Secor	<50	**100**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**4.7**	-----	-----	-----	-----

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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	04/20/09	Blaine Tech for AMEC	<50	**130**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**1.2**	<10	<1	<1	<1
HL-3	05/27/10	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-3	04/12/11	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-3	04/18/12	CH2M Hill	<50	-----	<50	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-3	04/10/13	CHHL	<50	-----	<50	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-3	10/10/13	CHHL	<50	-----	<50	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-3	04/16/14	CHHL	<50	-----	**130**	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-3	10/30/14	BT for CH2MHill	<100	-----	<100	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
HL-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**	**1,380**	-----	-----	-----	**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**	**1,100**	-----	-----	-----	**720**	<10	<10	**118**	<10	**520**	-----	-----	-----	-----
HL-4	05/16/00	Secor	**1,200**	**1,000**	-----	-----	-----	**300**	<10	<10	**29**	**51**	**740**	-----	-----	-----	-----
HL-4	11/29/00	Secor	**1,900**	**1,200**	-----	-----	-----	**26**	<10	<10	<10	**89**	**2,800**	-----	-----	-----	-----
HL-4	05/08/01	Secor	**1,700**	**1,100**	-----	-----	-----	**39**	<0.50	**0.50**	**1.7**	**27**	**3,300**	-----	-----	-----	-----
HL-4	11/06/01	Secor	**950**	**140**	-----	-----	-----	**97**	<0.50	<0.50	**0.90**	<0.50	**930**	-----	-----	-----	-----
HL-4	04/09/02	Secor	**1,600**	**230**	-----	-----	-----	**940**	<5	<5	**35**	<5	**200**	-----	-----	-----	-----
HL-4	10/23/02	Secor	<300	**320**	-----	-----	-----	**8.5**	<5	<5	<5	<5	**1,100**	-----	-----	-----	-----
HL-4	04/08/03	Secor	**1,500**	<100	-----	-----	-----	**2.8**	<2.5	<2.5	<2.5	**36**	**2,200**	-----	-----	-----	-----
HL-4	10/07/03	Secor	**690**	**110**	-----	-----	-----	**140**	<1	<1	<1	<2	**480**	-----	-----	-----	-----
HL-4	04/21/04	Secor	**340**	<100	-----	-----	-----	**39**	<0.50	<0.50	<0.50	<1	**370**	-----	-----	-----	-----
HL-4	11/03/04	Secor	**200**	**120**	-----	-----	-----	**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	-----	-----	-----	**170**	-----	<5	<5	<5	<10	<5	<5	-----	-----	-----	-----
HP-2	08/07/97	GTI	-----	-----	-----	**130**	-----	<5	<5	<5	<10	<5	<5	-----	-----	-----	-----
HP-3	08/07/97	GTI	-----	-----	-----	<50	-----	<5	<5	<5	<10	<5	<5	-----	-----	-----	-----
HP-6	08/08/97	GTI	-----	-----	-----	**230**	-----	<5	<5	<5	<10	<5	<5	-----	-----	-----	-----
HP-8	08/08/97	GTI	-----	-----	-----	**35,000**	-----	**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	<100	-----	-----	-----	**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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**20**	**18**	-----	-----	-----	-----
MW-6	05/19/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**14**	**12**	-----	-----	-----	-----
MW-6	11/28/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**12**	**3.0**	-----	-----	-----	-----
MW-6	05/09/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**9.8**	**11**	-----	-----	-----	-----
MW-6	11/07/01	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**11**	**6.2**	-----	-----	-----	-----
MW-6	04/11/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**7.6**	**6.0**	-----	-----	-----	-----
MW-6	10/24/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**9.4**	**4.6**	-----	-----	-----	-----
MW-6	04/10/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**7.4**	**3.2**	-----	-----	-----	-----
MW-6	10/08/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**9.1**	**2.5**	-----	-----	-----	-----
MW-6	04/21/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**4.9**	**2.8**	-----	-----	-----	-----
MW-6	11/05/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**4.0**	**4.0**	-----	-----	-----	-----
MW-6	05/05/05	Secor	**89**	**100**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**16**	**61**	-----	-----	-----	-----
MW-6	11/03/05	Secor	<50	**120**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**9.9**	**30**	-----	-----	-----	-----
MW-6	05/03/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**6.8**	**2.5**	-----	-----	-----	-----
MW-6	12/07/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**7.1**	**2.7**	-----	-----	-----	-----
MW-6	05/05/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**4.0**	**2.5**	-----	-----	-----	-----
MW-6	11/14/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**3.4**	**2.3**	-----	-----	-----	-----
MW-6	04/17/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**2.2**	**2.7**	-----	-----	-----	-----
MW-6	10/17/08	Stantec	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**2.5**	**4.0**	-----	-----	-----	-----
MW-6	04/22/09	Blaine Tech for AMEC	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**1.6**	**0.69**	<10	<1	<1	<1
MW-6	10/21/09	Blaine Tech for Parsons	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**1.5**	**1.0**	<10	<1	<1	<1
MW-6	05/27/10	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**1.5**	**1.9**	<10	<1	<1	<1
MW-6	10/06/10	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**2.7**	**2.0**	<10	<1	<1	<1
MW-6	04/12/11	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**1.7**	**2.3**	<10	<1	<1	<1
MW-6	10/11/11	CH2M Hill	<50	<100	-----	-----	-----	<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

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-6	10/17/12	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-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	<100	-----	-----	-----	**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**	<100	-----	-----	-----	**8.5**	<0.50	<0.50	<0.50	**4.7**	**670**	-----	-----	-----	-----
MW-7	05/17/00	Secor	**590**	**880**	-----	-----	-----	<5	<5	<5	<5	**14**	**900**	-----	-----	-----	-----
MW-7	11/30/00	Secor	**590**	**320**	-----	-----	-----	**4.1**	<0.50	<0.50	<0.50	**5.4**	**640**	-----	-----	-----	-----
MW-7	05/09/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**3.1**	**36**	-----	-----	-----	-----
MW-7	11/06/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**2.4**	**8.2**	-----	-----	-----	-----
MW-7	04/10/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**1.6**	**71**	-----	-----	-----	-----
MW-7	10/23/02	Secor	<300	**180**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**2.0**	**5.0**	-----	-----	-----	-----
MW-7	04/10/03	Secor	**57**	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**1.6**	**1.3**	-----	-----	-----	-----
MW-7	10/07/03	Secor	**67**	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**1.5**	**1.2**	-----	-----	-----	-----
MW-7	04/21/04	Secor	**62**	**120**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**0.68**	**1.4**	-----	-----	-----	-----
MW-7	11/03/04	Secor	**58**	**140**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.85**	-----	-----	-----	-----
MW-7	05/06/05	Secor	**58**	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.82**	-----	-----	-----	-----
MW-7	11/03/05	Secor	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<1	<0.50	-----	-----	-----	-----
MW-7	05/03/06	Secor	<50	**110**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-7	12/06/06	Secor	<50	**270**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**0.65**	**1.5**	-----	-----	-----	-----
MW-7	05/02/07	Secor	<50	**160**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**0.64**	**0.83**	-----	-----	-----	-----
MW-7	11/13/07	Secor	<50	**120**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**0.57**	**0.83**	-----	-----	-----	-----
MW-7	04/17/08	Secor	<50	**110**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.80**	-----	-----	-----	-----
MW-7	10/17/08	Stantec	<50	**190**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**1.8**	**0.94**	-----	-----	-----	-----
MW-7	04/20/09	Blaine Tech for AMEC	<50	**110**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**2.1**	**0.60**	<10	**2.9**	<1	<1
MW-7	10/21/09	Blaine Tech for Parsons	<50	<100	-----	-----	-----	<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	**110**	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**0.99**	<0.50	**25**	**1.5**	<1	<1
MW-7	04/18/12	CH2M Hill	<50	-----	<50	-----	-----	<0.50	<0.50	<0.50	<0.50	**1.4**	<0.50	<10	<1	<1	<1
MW-7	10/17/12	CHHL	<50	-----	<50	-----	-----	<0.50	<0.50	<0.50	<0.50	**1.0**	<0.50	<10	<1	<1	<1
MW-7	04/10/13	CHHL	<50	-----	<50	-----	-----	<0.50	<0.50	<0.50	<0.50	**1.3**	<0.50	<10	<1	<1	<1
MW-7	10/10/13	CHHL	<50	-----	<50	-----	-----	<0.50	<0.50	<0.50	<0.50	**1.1**	<0.50	<10	<1	<1	<1
MW-7	04/16/14	CHHL	<50	-----	<50	-----	-----	<0.50	<0.50	<0.50	<0.50	**1.2**	<0.50	<10	<1	<1	<1
MW-7	10/29/14	BT for CH2MHill	<50	-----	<50	-----	-----	<0.50	<0.50	<0.50	<0.50	**0.82**	<0.50	<10	<1.0	<1.0	<1.0
MW-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	<100	-----	-----	-----	**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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**7.2**	-----	-----	-----	-----
MW-8	05/17/00	Secor	<300	**170**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**3.0**	-----	-----	-----	-----
MW-8	11/29/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**15**	-----	-----	-----	-----
MW-8	02/06/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**380**	-----	-----	-----	-----
MW-8	05/08/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**430**	-----	-----	-----	-----
MW-8	09/19/01	Secor	**790**	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**1,000**	-----	-----	-----	-----
MW-8	01/30/02	Secor	**1,700**	<100	-----	-----	-----	<10	<10	<10	<10	<10	**1,900**	-----	-----	-----	-----
MW-8	04/10/02	Secor	**1,500**	<100	-----	-----	-----	**11**	<10	<10	<10	<10	**2,200**	-----	-----	-----	-----
MW-8	10/22/02	Secor	<300	<100	-----	-----	-----	**150**	<10	**12**	<10	<10	**750**	-----	-----	-----	-----
MW-8	01/29/03	Secor	<300	<100	-----	-----	-----	<1	<1	<1	<1	<1	**190**	-----	-----	-----	-----
MW-8	04/09/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**28**	-----	-----	-----	-----
MW-8	07/30/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**13**	-----	-----	-----	-----
MW-8	10/06/03	Secor	**79**	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**4.7**	-----	-----	-----	-----
MW-8	01/28/04	Secor	**100**	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**4.0**	-----	-----	-----	-----
MW-8	04/20/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.61**	-----	-----	-----	-----

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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	07/19/04	Secor	**80**	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.95**	-----	-----	-----	-----
MW-8	11/02/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-8	02/02/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**1.8**	-----	-----	-----	-----
MW-8	05/04/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**1.2**	-----	-----	-----	-----
MW-8	08/02/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**2.4**	-----	-----	-----	-----
MW-8	11/01/05	Secor	**110**	**270**	-----	-----	-----	<0.50	<0.50	<0.50	**4.2**	<0.50	**0.60**	-----	-----	-----	-----
MW-8	02/27/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.65**	-----	-----	-----	-----
MW-8	05/02/06	Secor	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<1	**1.1**	-----	-----	-----	-----
MW-8	09/19/06	Secor	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<1	**1.6**	-----	-----	-----	-----
MW-8	12/06/06	Secor	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<1	**0.61**	-----	-----	-----	-----
MW-8	03/13/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-8	05/04/07	Secor	<200	<100	-----	-----	-----	<1	<1	<1	<1	<2	<1	-----	-----	-----	-----
MW-8	08/29/07	Secor	<200	<100	-----	-----	-----	<1	<1	<1	<1	<2	<1	-----	-----	-----	-----
MW-8	11/13/07	Secor	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<1	**1.9**	-----	-----	-----	-----
MW-8	02/07/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**1.7**	-----	-----	-----	-----
MW-8	04/18/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**3.3**	-----	-----	-----	-----
MW-8	10/14/08	Stantec	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<1	**0.59**	-----	-----	-----	-----
MW-8	04/23/09	Blaine Tech for AMEC	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**1.0**	**2,000**	<1	<1	<1
MW-8	10/21/09	Blaine Tech for Parsons	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.69**	**570**	<1	<1	<1
MW-8	05/27/10	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.62**	<10	<1	<1	<1
MW-8	10/07/10	Blaine Tech	<50	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**970**	<1	<1	<1
MW-8	04/19/12	CH2M Hill	<50	-----	<50	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**71**	<1	<1	<1
MW-8	10/17/12	CHHL	<50	-----	<50	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**220**	<1	<1	<1
MW-8	04/10/13	CHHL	<50	-----	<50	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-8	10/10/13	CHHL	<50	-----	<50	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-8	04/16/14	CHHL	<50	-----	<50	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-8	10/30/14	BT for CH2MHill	<50	-----	<50	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**2.9**	<10	<1.0	<1.0	<1.0
MW-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**	**4,500**	-----	-----	-----	**24**	<0.50	**2.7**	**2.0**	<0.50	<0.50	-----	-----	-----	-----
MW-9	05/19/00	Secor	**1,300**	**3,900**	-----	-----	-----	**12**	<0.50	**0.80**	**0.50**	<0.50	**1.8**	-----	-----	-----	-----
MW-9	11/05/04	Secor	**2,500**	**21,000**	-----	-----	-----	**27**	<0.50	**0.84**	**0.52**	<1	**52**	-----	-----	-----	-----
MW-9	05/06/05	Secor	**780**	**3,300**	-----	-----	-----	**2.3**	<1	**25**	<1	<2	**110**	-----	-----	-----	-----
MW-9	11/01/05	Secor	**1,700**	**5,400**	-----	-----	-----	**9.3**	<1	**4.7**	**5.3**	<2	**120**	-----	-----	-----	-----
MW-9	05/04/06	Secor	**1,000**	**10,000**	-----	-----	-----	**13**	<0.50	**2.2**	**1.4**	<1	**140**	-----	-----	-----	-----
MW-9	12/08/06	Secor	**1,400**	**14,000**	-----	-----	-----	**16**	<0.50	<0.50	<0.50	<0.50	**160**	-----	-----	-----	-----
MW-9	05/04/07	Secor	**1,700**	**610,000**	-----	-----	-----	**9.2**	<0.50	**0.50**	<0.50	<1	**130**	-----	-----	-----	-----
MW-9	04/18/08	Secor	**2,500**	**11,000**	-----	-----	-----	**51**	<1	**1.7**	**1.9**	<2	**16**	-----	-----	-----	-----
MW-9	10/14/08	Stantec	**1,600**	**4,700**	-----	-----	-----	**27**	<1	<1	<1	<2	**26**	-----	-----	-----	-----
MW-9	04/23/09	Blaine Tech for AMEC	**1,600**	**11,000**	-----	-----	-----	**33**	<2.5	<2.5	<2.5	<5	**6.2**	**130**	<5	<5	<5
MW-9	05/27/10	Blaine Tech	**1,600**	**11,000**	-----	-----	-----	**24**	<5	<5	<5	<10	<5	<100	<10	<10	<10
MW-9	10/07/10	Blaine Tech	**2,400**	<12,000	-----	-----	-----	**23**	<2	<2	<2	<4	**3.3**	**50**	<4	<4	<4
MW-9	04/14/11	Blaine Tech	**1,400**	**28,000**	-----	-----	-----	**18**	<5	<5	<5	<10	<5	<100	<10	<10	<10
MW-9	10/12/11	CH2M Hill	**1,200**	**8,700**	-----	-----	-----	**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-10	11/21/96	GSI	<38	-----	<500	<500	-----	<0.50	<0.50	**5.1**	**2.3**	<0.50	-----	-----	-----	-----	-----
MW-10	07/09/97	GTI	<50	-----	**170**	<50	-----	<0.50	<1	**2.0**	<2	-----	-----	-----	-----	-----	-----
MW-10	01/06/98	GTI	<500	-----	<100	<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	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
MW-10	05/27/99	GTI	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
MW-10	11/18/99	IT Corporation	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
MW-10	05/16/00	IT Corporation	<300	**120**	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
MW-10	11/29/00	IT Corporation	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	**2.4**	-----	<5	-----	-----	-----	-----

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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-10	05/09/01	IT Corporation	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
MW-10	11/07/01	IT Corporation	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
MW-10	04/10/02	IT Corporation	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
MW-11	12/01/00	IT Corporation	<300	**290**	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
MW-11	05/10/01	IT Corporation	<300	**180**	-----	-----	-----	**1.0**	<0.30	**0.61**	<0.60	-----	**13**	-----	-----	-----	-----
MW-11	11/07/01	IT Corporation	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
MW-11	04/10/02	IT Corporation	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	**19**	-----	-----	-----	-----
MW-11	04/14/03	GTI	-----	**6,120**	-----	-----	-----	**84**	**1.5**	**59**	**51**	-----	<3	-----	-----	-----	-----
MW-11	10/10/03	Blaine Tech for Parsons	-----	**1,000**	-----	-----	-----	<0.30	<0.30	**0.42**	**0.95**	-----	**12**	-----	-----	-----	-----
MW-11	04/22/04	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	**6.4**	-----	-----	-----	-----
MW-11	11/06/04	Blaine Tech for Parsons	-----	**1,300**	-----	-----	-----	**2.3**	<0.30	**0.64**	**5.9**	-----	**8.1**	-----	-----	-----	-----
MW-11	05/07/05	Blaine Tech for Parsons	-----	<100	-----	-----	-----	**0.34**	**0.61**	<0.30	**0.60**	-----	**13**	-----	-----	-----	-----
MW-11	11/08/05	Blaine Tech for Parsons	-----	<100	-----	-----	-----	**0.33**	<0.30	<0.30	**0.69**	-----	**37**	-----	-----	-----	-----
MW-11	05/05/06	Blaine Tech for Parsons	-----	**2,300**	-----	-----	-----	**1.6**	**3.4**	**3.4**	**6.9**	-----	**11**	-----	-----	-----	-----
MW-11	12/08/06	Blaine Tech for Parsons	-----	**740**	-----	-----	-----	**3.1**	<0.50	<0.50	<1	-----	**20**	-----	-----	-----	-----
MW-11	05/03/07	Blaine Tech for Parsons	-----	**1,300**	-----	-----	-----	**4.3**	<0.50	**0.86**	**1.1**	-----	**43**	-----	-----	-----	-----
MW-11	11/14/07	Blaine Tech for Parsons	-----	**450**	-----	-----	-----	<0.50	<0.50	<0.50	<1	-----	**18**	-----	-----	-----	-----
MW-11	04/18/08	Blaine Tech for Parsons	-----	**1,100**	-----	-----	-----	<0.50	<0.50	**1.0**	**1.5**	-----	<5	-----	-----	-----	-----
MW-11	10/17/08	Blaine Tech for Parsons	-----	-----	-----	-----	**880**	<0.50	<0.50	<0.50	<0.50	<0.50	**12**	<10	<2	<2	<2
MW-11	04/24/09	Blaine Tech for Parsons	-----	-----	-----	-----	**520**	<0.50	<0.50	<0.50	<0.50	<0.50	**8.7**	<10	<2	<2	<2
MW-11	10/22/09	Blaine Tech for DESC	-----	-----	-----	-----	**670**	<0.50	<0.50	<0.50	<0.50	<0.50	**3.9**	<10	<2	<2	<2
MW-11	04/14/10	Blaine Tech for DESC	-----	-----	-----	-----	**700**	<0.50	<0.50	**0.58**	<0.50	-----	**3.8**	<10	<2	<2	<2
MW-11	04/19/12	Parsons	**220**	-----	-----	-----	**710**	<0.50	<0.50	<0.50	**0.31 J**	<0.50	<0.50	<10	<2	<2	<2
MW-11	07/10/12	Parsons	-----	-----	-----	-----	**780**	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-12	05/19/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-12	11/30/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-12	05/09/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-12	11/07/01	IT Corporation	<300	<100	-----	-----	-----	**1.3**	**1.1**	<0.50	**0.70**	<0.50	<0.50	-----	-----	-----	-----
MW-12	04/11/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-12	10/24/02	Secor	<300	**2,800**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-12	04/10/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-12	10/08/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-12	04/22/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-12	11/05/04	Secor	<50	**120**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-12	05/05/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-12	11/03/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-12	05/03/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-12	12/07/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-12	05/05/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-12	11/14/07	Secor	<50	**190**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-12	04/17/08	Secor	<50	**120**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-12	10/21/08	Stantec	<50	**170**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-12	04/22/09	Blaine Tech for AMEC	<50	**100**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	10/21/09	Blaine Tech for Parsons	<50	**150**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	05/26/10	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	10/06/10	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	04/12/11	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	10/11/11	CH2M Hill	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	04/18/12	CH2M Hill	<50	-----	<50	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	10/18/12	CHHL	<50	-----	<100	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	04/10/13	CHHL	<50	-----	<50	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	10/09/13	CHHL	<50	-----	<100	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	04/16/14	CHHL	<50	-----	<50	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	10/29/14	BT for CH2MHill	<50	-----	<50	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-13	11/22/96	GSI	**1,100**	-----	<500	<500	-----	<0.50	<0.50	<0.50	<1.5	<0.50	-----	-----	-----	-----	-----
MW-13	07/09/97	GTI	<50	-----	<50	<50	-----	<0.50	<1	<1	<2	-----	-----	-----	-----	-----	-----
MW-13	01/06/98	GTI	<500	-----	<100	<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	<100	-----	-----	-----	<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 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-13	05/26/99	GTI	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
MW-13	11/18/99	IT Corporation	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
MW-13	05/17/00	IT Corporation	<300	**20,000**	-----	-----	-----	<0.30	**1.2**	<0.30	**0.91**	-----	-----	-----	-----	-----	-----
MW-13	11/29/00	IT Corporation	<300	**410**	-----	-----	-----	<0.30	<0.30	<0.30	**0.89**	-----	<5	-----	-----	-----	-----
MW-13	03/30/01	IT Corporation	-----	<50	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
MW-13	05/09/01	IT Corporation	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
MW-13	11/07/01	IT Corporation	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	**14**	-----	-----	-----	-----
MW-13	04/10/02	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-13	10/23/02	GTI	<300	<100	-----	-----	-----	<0.50	<1	<1	<1	<0.50	<1	-----	-----	-----	-----
MW-13	04/09/03	GTI	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-13	10/08/03	Blaine Tech for Parsons	-----	**110**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-13	04/21/04	Blaine Tech for Parsons	-----	**160**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	11/03/04	Blaine Tech for Parsons	-----	**320**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	05/05/05	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	11/05/05	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	05/03/06	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	12/05/06	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	05/02/07	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	11/13/07	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	04/16/08	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	10/15/08	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	04/20/09	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	10/22/09	Blaine Tech for DESC	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	04/19/10	Blaine Tech for DESC	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	10/06/10	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	-----	-----	-----	<0.50	<0.50	<10	-----	-----	-----
MW-13	04/12/11	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	10/12/11	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	04/17/12	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	10/16/12	Parsons	-----	-----	-----	-----	<100	<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-14	11/21/96	GSI	<50	-----	<500	<500	-----	<0.50	<0.50	<0.50	<1.5	<0.50	**99**	-----	-----	-----	-----
MW-14	07/09/97	GTI	<50	-----	**200**	<50	-----	<5	<5	<5	<5	<5	<5	-----	-----	-----	-----
MW-14	01/06/98	GTI	<500	-----	<100	**800**	-----	**107**	<0.50	**4.0**	**10**	**2.0**	**15**	-----	-----	-----	-----
MW-14	05/20/98	BBC	**400**	-----	-----	-----	-----	**24**	<0.50	**7.0**	**14**	<0.50	**12**	-----	-----	-----	-----
MW-14	08/26/98	Geomatrix	<300	**367**	-----	-----	-----	<0.50	<0.50	**0.70**	**2.1**	<0.50	**109**	-----	-----	-----	-----
MW-14	11/04/98	GTI	<300	**361**	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<2.5	<5	<5	<5	**12**	**26**	-----	-----	-----	-----
MW-14	02/29/00	Secor	<300	**420**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**36**	**15**	-----	-----	-----	-----
MW-14	05/16/00	IT Corporation	<300	**370**	-----	-----	-----	<0.50	<0.50	<0.50	**1.4**	**42**	**7.7**	-----	-----	-----	-----
MW-14	08/29/00	Secor	<300	**3,800**	-----	-----	-----	<0.50	<0.50	<0.50	**0.60**	**38**	**9.6**	-----	-----	-----	-----
MW-14	11/29/00	IT Corporation	<300	**130**	-----	-----	-----	<0.50	<0.50	**0.50**	**0.90**	**15**	**18**	-----	-----	-----	-----
MW-14	02/06/01	Secor	<300	**230**	-----	-----	-----	<0.50	<0.50	<0.50	**0.50**	**11**	**13**	-----	-----	-----	-----
MW-14	05/09/01	IT Corporation	<300	**310**	-----	-----	-----	<0.50	<0.50	**1.8**	**7.4**	**32**	**8.2**	-----	-----	-----	-----
MW-14	09/19/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	**1.1**	**23**	**15**	-----	-----	-----	-----
MW-14	11/07/01	IT Corporation	<300	**190**	-----	-----	-----	<0.50	<0.50	**0.80**	**2.3**	**29**	**10**	-----	-----	-----	-----
MW-14	01/30/02	Secor	<300	**450**	-----	-----	-----	<0.50	<0.50	<0.50	**1.5**	**8.1**	**25**	-----	-----	-----	-----
MW-14	04/10/02	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	**2.7**	**6.4**	**4.1**	**24**	-----	-----	-----	-----
MW-14	07/30/02	IT Corporation	<300	**500**	-----	-----	-----	<0.50	<0.50	**0.98**	**2.4**	**3.9**	**25**	-----	-----	-----	-----
MW-14	10/23/02	GTI	<300	**300**	-----	-----	-----	<0.50	<1	<1	<1	**4.3**	**22**	-----	-----	-----	-----
MW-14	01/28/03	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	**0.67**	**5.9**	**17**	-----	-----	-----	-----
MW-14	04/11/03	GTI	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**1.8**	**17**	-----	-----	-----	-----
MW-14	10/10/03	Blaine Tech for Parsons	-----	**580**	-----	-----	-----	<0.50	<0.50	**1.2**	**4.0**	**7.4**	**19**	-----	-----	-----	-----
MW-14	04/22/04	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	**0.89**	**4.7**	**19**	<10	<2	<2	<2
MW-14	07/21/04	Blaine Tech for Parsons	**250**	**290**	-----	-----	-----	<0.50	<0.50	**0.61**	**1.4**	-----	**22**	-----	-----	-----	-----
MW-14	11/04/04	Blaine Tech for Parsons	-----	**610**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**5.6**	**19**	<10	<2	<2	<2
MW-14	03/02/05	Blaine Tech for Parsons	-----	**320**	-----	-----	-----	<0.50	<1	<1	<1	-----	**14**	-----	-----	-----	-----

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-14	05/07/05	Blaine Tech for Parsons	-----	**430**	-----	-----	-----	**1.3**	<0.50	<0.50	<0.50	<0.50	**9.3**	**22**	<2	<2	<2
MW-14	11/08/05	Blaine Tech for Parsons	-----	**2,200**	-----	-----	-----	**6.5**	<0.50	**1.3**	**3.6**	**1.0**	**3.6**	**32**	<2	<2	<2
MW-14	05/03/06	Blaine Tech for Parsons	-----	**2,600**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**0.78**	**4.2**	**31**	<2	<2	<2
MW-14	07/28/06	Blaine Tech for Parsons	**290**	**4,300**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**0.83**	**4.2**	**31**	<2	<2	<2
MW-14	12/06/06	Blaine Tech for Parsons	-----	**1,900**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**0.98**	**3.3**	**20**	<2	<2	<2
MW-14	03/23/07	Blaine Tech for Parsons	**670**	**3,400**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**0.94**	**3.5**	**29**	<2	<2	<2
MW-14	05/03/07	Blaine Tech for Parsons	-----	**3,100**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**0.94**	**3.6**	<10	<2	<2	<2
MW-14	08/31/07	Blaine Tech for Parsons	**480**	**2,800**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**3.6**	**27**	<2	<2	<2
MW-14	11/15/07	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**0.97**	**4.0**	**20**	<2	<2	<2
MW-14	02/07/08	Blaine Tech for Parsons	**180**	**1,400**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**0.86**	**5.2**	**28**	<2	<2	<2
MW-14	04/17/08	Blaine Tech for Parsons	-----	**1,700**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**1.2**	**4.6**	**32**	<2	<2	<2
MW-14	10/16/08	Blaine Tech for Parsons	-----	-----	-----	-----	**570**	<0.50	<0.50	<0.50	<0.50	<0.50	**2.3**	**10**	<2	<2	<2
MW-14	02/12/09	Blaine Tech for Parsons	<100	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	**1.1**	**1.6**	<10	<2	<2	<2
MW-14	04/22/09	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	**16**	**1.9**	<10	<2	<2	<2
MW-14	07/20/09	Blaine Tech for AMEC	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	**13**	**1.5**	<10	**2.4**	<2	<2
MW-14	10/22/09	Blaine Tech for DESC	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	**16**	**2.5**	<10	**3.0**	<2	<2
MW-14	01/12/10	Blaine Tech for DESC	<100	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	**13**	**2.7**	**4.2 J**	**3.2**	<2	<2
MW-14	04/13/10	Blaine Tech for DESC	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	**0.4 J**	**4.3**	<10	<2	<2	<2
MW-14	10/04/10	Blaine Tech for Parsons	-----	-----	-----	-----	**100**	<0.50	-----	-----	-----	**0.99**	**3.4**	<10	-----	-----	-----
MW-14	01/10/11	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	**0.66**	<10	<2	<2	<2
MW-14	04/13/11	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	**3.0**	<10	<2	<2	<2
MW-14	07/11/11	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	**0.48 J**	**11**	<2	<2	<2
MW-14	10/12/11	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	**2.1**	**2.7**	<10	**0.83 J**	<2	<2
MW-14	01/09/12	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	**3.3**	**3.6**	<10	**0.83 J**	<2	<2
MW-14	04/18/12	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	**6.6**	**0.78**	<10	**1.2 J**	<2	<2
MW-14	07/09/12	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	**4.0**	**0.72**	<10	**1.1 J**	<2	<2
MW-14	10/18/12	Parsons	-----	-----	-----	-----	<100	<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-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	<100	-----	-----	-----	<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	**910**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-15	05/16/00	Secor	**340**	**1,200**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-15	11/30/00	Secor	**2,100**	**1,700**	-----	-----	-----	<0.50	**0.80**	<0.50	**1.1**	<0.50	<0.50	-----	-----	-----	-----
MW-15	05/09/01	Secor	<300	**690**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-15	11/06/01	Secor	<300	**740**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.60**	-----	-----	-----	-----
MW-15	04/10/02	Secor	**59,000**	**21,000**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-15	07/30/02	IT Corporation	**780**	**550,000**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-15	12/08/06	Secor	**420**	**6,400**	-----	-----	-----	<0.50	<0.50	<0.50	**1.0**	<0.50	**0.60**	-----	-----	-----	-----
MW-15	05/04/07	Secor	<500	**6,100**	-----	-----	-----	<2.5	<2.5	<2.5	<2.5	<5	<2.5	-----	-----	-----	-----
MW-15	10/05/10	Blaine Tech	**1,100**	<47,000	-----	-----	-----	<1	<1	<1	<1	<2	<1	<20	<2	<2	<2
MW-15	04/14/11	Blaine Tech	**1,900**	**220,000**	-----	-----	-----	<1	<1	<1	<1	<2	<1	<20	<2	<2	<2
MW-15	10/12/11	CH2M Hill	**590**	**66,000**	-----	-----	-----	<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	<500	-----	<0.50	<0.50	<0.50	**1.5**	**140**	**71**	-----	-----	-----	-----
MW-16	07/10/97	GTI	<50	-----	<50	<50	-----	<5	<5	<5	<5	<5	<5	-----	-----	-----	-----
MW-16	01/06/98	GTI	<500	-----	<100	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-16	05/27/99	GTI	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-16	11/18/99	IT Corporation	<300	<100	-----	-----	-----	<0.50	<1	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-16	05/17/00	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-16	11/30/00	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-16	05/09/01	IT Corporation	<300	**3,100**	-----	-----	-----	**2.6**	<0.50	<0.50	**0.60**	<0.50	<0.50	-----	-----	-----	-----
MW-16	11/07/01	IT Corporation	<300	**2,100**	-----	-----	-----	**1.2**	<0.50	<0.50	<0.50	<0.50	**31**	-----	-----	-----	-----

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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	02/01/02	Secor	-----	-----	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**220**	-----	-----	-----	-----
MW-16	04/11/02	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**260**	-----	-----	-----	-----
MW-16	10/23/02	GTI	<300	<100	-----	-----	-----	<0.50	<1	<1	<1	<0.50	**14**	-----	-----	-----	-----
MW-16	01/29/03	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**6.8**	-----	-----	-----	-----
MW-16	04/09/03	GTI	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<1	**16**	-----	-----	-----	-----
MW-16	08/01/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**110**	-----	-----	-----	-----
MW-16	10/11/03	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**100**	-----	-----	-----	-----
MW-16	01/28/04	Secor	**51**	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**89**	-----	-----	-----	-----
MW-16	04/21/04	Blaine Tech for Parsons	-----	**180**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**83**	**110**	<2	<2	<2
MW-16	07/20/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**22**	-----	-----	-----	-----
MW-16	11/04/04	Blaine Tech for Parsons	-----	**300**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**3.3**	**120**	<2	<2	<2
MW-16	02/02/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-16	05/06/05	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	08/02/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-16	11/08/05	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	05/04/06	Blaine Tech for Parsons	-----	**180**	-----	-----	-----	**0.87**	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	09/19/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-16	12/08/06	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	05/03/07	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	11/16/07	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	04/17/08	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	10/16/08	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	04/23/09	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	10/23/09	Blaine Tech for DESC	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	04/16/10	Blaine Tech for DESC	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	10/07/10	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	-----	-----	-----	<0.50	<0.50	<10	-----	-----	-----
MW-16	04/12/11	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	10/12/11	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	04/17/12	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	10/16/12	Parsons	-----	-----	-----	-----	<100	<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-17	11/27/96	GSI	**45**	-----	<500	<500	-----	<0.50	<0.50	<0.50	<1	<0.50	-----	-----	-----	-----	-----
MW-17	07/09/97	GTI	<50	-----	<50	<50	-----	<5	<5	<5	<5	<5	<5	-----	-----	-----	-----
MW-17	01/06/98	GTI	<500	-----	<100	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-17	05/26/99	GTI	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-17	11/18/99	IT Corporation	<300	<100	-----	-----	-----	<0.50	<1	<0.50	<0.50	<0.50	**0.50**	-----	-----	-----	-----
MW-17	05/17/00	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-17	11/29/00	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-17	05/09/01	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-17	11/07/01	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-17	04/10/02	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-17	10/23/02	GTI	<300	<100	-----	-----	-----	<0.50	<1	<1	<1	<0.50	<1	-----	-----	-----	-----
MW-17	04/10/03	GTI	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-17	10/08/03	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-17	04/21/04	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	11/03/04	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	05/05/05	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	11/05/05	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	05/03/06	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	12/05/06	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	05/02/07	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	11/13/07	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	04/16/08	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	10/15/08	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	04/20/09	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	10/23/09	Blaine Tech for DESC	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	04/16/10	Blaine Tech for DESC	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	10/06/10	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	-----	-----	-----	<0.50	<0.50	<10	-----	-----	-----
MW-17	04/12/11	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	10/13/11	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 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-17	04/17/12	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	10/16/12	Parsons	-----	-----	-----	-----	<100	<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-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**	**240**	-----	-----	-----	**1.2**	<1	<1	<1	**16**	**640**	-----	-----	-----	-----
MW-18 (MID)	10/07/10	Blaine Tech	**1,100**	<1000	-----	-----	-----	**290**	<1.5	<1.5	<1.5	<3	**12**	**150**	**11**	<3	<3
MW-18 (MID)	04/13/11	Blaine Tech	**4,100**	**910**	-----	-----	-----	**1,900**	<10	<10	**11**	<20	**13**	<200	**21**	<20	<20
MW-18 (MID)	10/12/11	CH2M Hill	**1,200**	**720**	-----	-----	-----	**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-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**	**233**	-----	-----	-----	<2.5	<2.5	<2.5	<2.5	**11**	**779**	-----	-----	-----	-----
MW-19 (MID)	11/17/98	Alton Geoscience	**491**	<100	-----	-----	-----	<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**	**310**	-----	-----	-----	**26**	<5	<5	<5	<5	**1,100**	-----	-----	-----	-----
MW-19 (MID)	02/29/00	Secor	**2,000**	**1,800**	-----	-----	-----	**530**	<5	<5	<5	<5	**1,100**	-----	-----	-----	-----
MW-19 (MID)	05/17/00	Secor	**5,200**	**5,100**	-----	-----	-----	**1,900**	<25	<25	<25	<25	**2,600**	-----	-----	-----	-----
MW-19 (MID)	08/29/00	Secor	**2,700**	**19,000**	-----	-----	-----	**560**	<10	<10	<10	<10	**3,200**	-----	-----	-----	-----
MW-19 (MID)	11/30/00	Secor	**2,100**	**1,200**	-----	-----	-----	**520**	**3.6**	**0.90**	**6.1**	<0.50	**1,200**	-----	-----	-----	-----
MW-19 (MID)	02/06/01	Secor	**780**	**410**	-----	-----	-----	**66**	<10	<10	<10	<10	**720**	-----	-----	-----	-----
MW-19 (MID)	05/09/01	Secor	**360**	**230**	-----	-----	-----	**4.4**	<2.5	<2.5	<2.5	**6.5**	**490**	-----	-----	-----	-----
MW-19 (MID)	09/19/01	Secor	<300	<100	-----	-----	-----	<2.5	<2.5	<2.5	<2.5	**8.2**	**200**	-----	-----	-----	-----
MW-19 (MID)	11/06/01	Secor	<300	**120**	-----	-----	-----	<1	<1	<1	<1	**6.5**	**180**	-----	-----	-----	-----
MW-19 (MID)	01/30/02	Secor	<300	**150**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**5.1**	**33**	-----	-----	-----	-----
MW-19 (MID)	04/10/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**4.3**	**11**	-----	-----	-----	-----
MW-19 (MID)	10/23/02	Secor	<300	**330**	-----	-----	-----	**1.1**	<0.50	<0.50	<0.50	**3.5**	**7.4**	-----	-----	-----	-----
MW-19 (MID)	04/10/03	Secor	**92**	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**2.5**	**4.3**	-----	-----	-----	-----
MW-19 (MID)	10/07/03	Secor	**84**	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**2.3**	**1.0**	-----	-----	-----	-----
MW-19 (MID)	04/21/04	Secor	**99**	**150**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**2.6**	<0.50	-----	-----	-----	-----
MW-19 (MID)	11/03/04	Secor	<100	**200**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**2.0**	**0.81**	-----	-----	-----	-----
MW-19 (MID)	05/06/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-19 (MID)	11/03/05	Secor	**68**	**140**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**4.2**	**1.2**	-----	-----	-----	-----
MW-19 (MID)	05/03/06	Secor	**76**	**110**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**13**	**2.2**	-----	-----	-----	-----
MW-19 (MID)	12/06/06	Secor	<50	**260**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**1.3**	<0.50	-----	-----	-----	-----
MW-19 (MID)	05/02/07	Secor	**61**	**200**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**2.2**	**1.1**	-----	-----	-----	-----
MW-19 (MID)	11/13/07	Secor	**57**	**130**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**2.9**	**0.86**	-----	-----	-----	-----
MW-19 (MID)	04/17/08	Secor	<50	**110**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**3.0**	**1.2**	-----	-----	-----	-----
MW-19 (MID)	10/17/08	Stantec	<50	**190**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**3.2**	**1.3**	-----	-----	-----	-----
MW-19 (MID)	04/20/09	Blaine Tech for AMEC	<50	**120**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**3.8**	**0.81**	**66**	**9.8**	<1	<1
MW-19 (MID)	10/21/09	Blaine Tech for Parsons	<50	**140**	-----	-----	-----	<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	**120**	-----	-----	-----	<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**	**140**	-----	-----	-----	<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	<100	-----	-----	-----	<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	**130**	-----	-----	-----	<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-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**	-----	-----	-----	-----

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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)	05/27/98	Terra Services	<300	-----	-----	-----	-----	<0.50	<0.50	<0.50	<1	**35**	**22**	-----	-----	-----	-----
MW-20 (MID)	11/16/98	Alton Geoscience	<300	<100	-----	-----	-----	**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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**21**	**19**	-----	-----	-----	-----
MW-20 (MID)	05/19/00	Secor	<300	**220**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**22**	**11**	-----	-----	-----	-----
MW-20 (MID)	11/28/00	Secor	<300	**340**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**17**	**8.1**	-----	-----	-----	-----
MW-20 (MID)	05/09/01	Secor	<300	**180**	-----	-----	-----	<50	<50	<50	<50	**2,200**	**1,300**	-----	-----	-----	-----
MW-20 (MID)	09/19/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**23**	**11**	-----	-----	-----	-----
MW-20 (MID)	11/07/01	IT Corporation	<300	**170**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**23**	**14**	-----	-----	-----	-----
MW-20 (MID)	04/11/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**17**	**12**	-----	-----	-----	-----
MW-20 (MID)	10/24/02	Secor	<300	**220**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**20**	**20**	-----	-----	-----	-----
MW-20 (MID)	04/10/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**17**	**11**	-----	-----	-----	-----
MW-20 (MID)	10/08/03	Secor	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**29**	**19**	-----	-----	-----	-----
MW-20 (MID)	04/21/04	Secor	**56**	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**27**	**18**	-----	-----	-----	-----
MW-20 (MID)	11/05/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**23**	**15**	-----	-----	-----	-----
MW-20 (MID)	05/05/05	Secor	**97**	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**33**	**57**	-----	-----	-----	-----
MW-20 (MID)	11/03/05	Secor	**58**	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**25**	**46**	-----	-----	-----	-----
MW-20 (MID)	05/03/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**21**	**32**	-----	-----	-----	-----
MW-20 (MID)	12/07/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**21**	**25**	-----	-----	-----	-----
MW-20 (MID)	05/05/07	Secor	**59**	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**20**	**25**	-----	-----	-----	-----
MW-20 (MID)	11/14/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**20**	**23**	-----	-----	-----	-----
MW-20 (MID)	04/17/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**15**	**21**	-----	-----	-----	-----
MW-20 (MID)	10/17/08	Stantec	<50	**100**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**17**	**18**	-----	-----	-----	-----
MW-20 (MID)	04/22/09	Blaine Tech for AMEC	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**17**	**16**	**28**	**11**	<1	<1
MW-20 (MID)	10/21/09	Blaine Tech for Parsons	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**16**	**18**	**32**	**14**	<1	<1
MW-20 (MID)	05/27/10	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**18**	**16**	<10	**12**	<1	<1
MW-20 (MID)	10/06/10	Blaine Tech	**51**	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**15**	**19**	**40**	**13**	<1	<1
MW-20 (MID)	04/12/11	Blaine Tech	**51**	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**17**	**18**	<10	**17**	<1	<1
MW-20 (MID)	10/11/11	CH2M Hill	<50	**170**	-----	-----	-----	<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-21 (MID)	05/07/99	Alton Geoscience	<500	-----	**590**	-----	-----	<1	<1	<1	<1	**75**	**39**	-----	-----	-----	-----
MW-21 (MID)	11/29/00	Secor	<300	**4,600**	-----	-----	-----	**3.6**	<0.50	<0.50	<0.50	**16**	**62**	-----	-----	-----	-----
MW-21 (MID)	05/09/01	Secor	<300	**1,900**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**9.8**	**50**	-----	-----	-----	-----
MW-21 (MID)	11/06/01	Secor	<300	**1,400**	-----	-----	-----	**0.50**	<0.50	<0.50	<0.50	**12**	**69**	-----	-----	-----	-----
MW-21 (MID)	04/10/02	Secor	<300	**1,100**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**8.6**	**71**	-----	-----	-----	-----
MW-21 (MID)	10/23/02	Secor	<300	**1,400**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**7.4**	**61**	-----	-----	-----	-----
MW-21 (MID)	10/07/03	Secor	**87**	**290**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**5.6**	**55**	-----	-----	-----	-----
MW-21 (MID)	05/06/05	Secor	**62**	**100**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**2.8**	**25**	-----	-----	-----	-----
MW-21 (MID)	05/03/06	Secor	<50	**140**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**1.5**	**13**	-----	-----	-----	-----
MW-21 (MID)	05/02/07	Secor	<50	**110**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**0.73**	**3.3**	-----	-----	-----	-----
MW-21 (MID)	04/17/08	Secor	<50	**100**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**0.88**	**6.4**	-----	-----	-----	-----
MW-21 (MID)	04/20/09	Blaine Tech for AMEC	<100	**530**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**2.3**	**1.9**	**25**	**2.3**	<1	<1
MW-21 (MID)	05/26/10	Blaine Tech	<100	**420**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**2.9**	**1.5**	<10	**3.2**	<1	<1
MW-21 (MID)	04/12/11	Blaine Tech	**72**	**350**	-----	-----	-----	<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-22 (MID)	11/21/96	GSI	**46**	-----	<500	<500	-----	<0.50	<0.50	<0.50	<1.5	**4.7**	<5	-----	-----	-----	-----
MW-22 (MID)	07/10/97	GTI	<50	-----	**650**	<400	-----	<5	<5	<5	<5	**15**	<5	-----	-----	-----	-----
MW-22 (MID)	01/06/98	GTI	-----	-----	**400**	<100	-----	<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	**545**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**2.1**	<0.50	-----	-----	-----	-----
MW-22 (MID)	11/04/98	GTI	<300	<100	-----	-----	-----	<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	**322**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**3.7**	**4.7**	-----	-----	-----	-----

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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)	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	**260**	-----	-----	-----	<0.50	<1	<0.50	<0.50	**19**	**0.80**	-----	-----	-----	-----
MW-22 (MID)	02/29/00	Secor	<300	**470**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**29**	**3.3**	-----	-----	-----	-----
MW-22 (MID)	05/16/00	IT Corporation	<300	**380**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**16**	**2.4**	-----	-----	-----	-----
MW-22 (MID)	08/29/00	Secor	<300	**4,400**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**45**	**14**	-----	-----	-----	-----
MW-22 (MID)	11/28/00	Secor	<300	**1,100**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**88**	**13**	-----	-----	-----	-----
MW-22 (MID)	11/29/00	IT Corporation	<300	**870**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**88**	**13**	-----	-----	-----	-----
MW-22 (MID)	02/06/01	Secor	<300	**460**	-----	-----	-----	<1	<1	<1	<1	**120**	**14**	-----	-----	-----	-----
MW-22 (MID)	05/09/01	IT Corporation	<300	**360**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**110**	**12**	-----	-----	-----	-----
MW-22 (MID)	05/09/01	Secor	<300	**230**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**83**	**11**	-----	-----	-----	-----
MW-22 (MID)	09/19/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**30**	**4.5**	-----	-----	-----	-----
MW-22 (MID)	11/07/01	IT Corporation	<300	**130**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**36**	**6.5**	-----	-----	-----	-----
MW-22 (MID)	01/30/02	Secor	<300	**430**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**30**	**19**	-----	-----	-----	-----
MW-22 (MID)	04/12/02	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**22**	**11**	-----	-----	-----	-----
MW-22 (MID)	07/30/02	IT Corporation	<300	**210**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**24**	**8.7**	-----	-----	-----	-----
MW-22 (MID)	10/24/02	GTI	<300	<100	-----	-----	-----	<0.50	<1	<1	<1	**18**	**5.4**	-----	-----	-----	-----
MW-22 (MID)	01/28/03	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**18**	**4.8**	-----	-----	-----	-----
MW-22 (MID)	04/11/03	GTI	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**9.1**	**2.4**	-----	-----	-----	-----
MW-22 (MID)	10/11/03	Blaine Tech for Parsons	-----	**380**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**12**	**2.8**	-----	-----	-----	-----
MW-22 (MID)	04/22/04	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**19**	**4.8**	**21**	**3.2**	<2	<2
MW-22 (MID)	07/21/04	Blaine Tech for Parsons	**180**	**280**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	-----	**11**	-----	-----	-----	-----
MW-22 (MID)	11/04/04	Blaine Tech for Parsons	-----	**240**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**31**	**11**	**17**	**2.8**	<2	<2
MW-22 (MID)	03/02/05	Blaine Tech for Parsons	-----	**180**	-----	-----	-----	<0.50	<1	<1	<1	-----	**15**	-----	-----	-----	-----
MW-22 (MID)	05/07/05	Blaine Tech for Parsons	-----	**290**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**1.8**	**30**	<10	<2	<2	<2
MW-22 (MID)	11/08/05	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**2.1**	**30**	**13**	<2	<2	<2
MW-22 (MID)	05/05/06	Blaine Tech for Parsons	-----	**500**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**6.1**	**14**	<10	<2	<2	<2
MW-22 (MID)	12/05/06	Blaine Tech for Parsons	-----	**130**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**5.3**	**16**	**13**	<2	<2	<2
MW-22 (MID)	05/02/07	Blaine Tech for Parsons	-----	**200**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**4.4**	**14**	**17**	<2	<2	<2
MW-22 (MID)	11/14/07	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**10**	**15**	**19**	**2.1**	<2	<2
MW-22 (MID)	04/17/08	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**8.3**	**11**	**18**	<2	<2	<2
MW-22 (MID)	10/16/08	Blaine Tech for Parsons	-----	-----	-----	-----	**110**	<0.50	<0.50	<0.50	<0.50	**9.7**	**16**	**16**	**2.1**	<2	<2
MW-22 (MID)	02/12/09	Blaine Tech for Parsons	<100	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	**15**	**18**	**22**	**3.1**	<2	<2
MW-22 (MID)	04/22/09	Blaine Tech for Parsons	-----	-----	-----	-----	**110**	<0.50	<0.50	<0.50	<0.50	**11**	**23**	**22**	<2	<2	<2
MW-22 (MID)	07/20/09	Blaine Tech for AMEC	-----	-----	-----	-----	**150**	<0.50	<0.50	<0.50	<0.50	**11**	**19**	**34**	**2.9**	<2	<2
MW-22 (MID)	10/23/09	Blaine Tech for DESC	-----	-----	-----	-----	**130**	<0.50	<0.50	<0.50	<0.50	**13**	**16**	**27**	<2	<2	<2
MW-22 (MID)	01/13/10	Blaine Tech for DESC	<100	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	**9.7**	**13**	**24**	**2.1**	<2	<2
MW-22 (MID)	04/13/10	Blaine Tech for DESC	-----	-----	-----	-----	**220**	<0.50	<0.50	<0.50	<0.50	**11**	**8.7**	**23**	**1.8 J**	<2	<2
MW-22 (MID)	10/04/10	Blaine Tech for Parsons	-----	-----	-----	-----	**140**	<0.50	-----	-----	-----	**10**	**13**	<10	-----	-----	-----
MW-22 (MID)	01/10/11	Blaine Tech for Parsons	-----	-----	-----	-----	**120**	<0.50	<0.50	<0.50	<0.50	**4.8**	**6.2**	**10**	**0.82 J**	<2	<2
MW-22 (MID)	04/14/11	Blaine Tech for Parsons	-----	-----	-----	-----	**120**	<0.50	<0.50	<0.50	<0.50	**6.5**	**10**	<10	**0.76 J**	<2	<2
MW-22 (MID)	07/11/11	Parsons	-----	-----	-----	-----	**100**	<0.50	<0.50	<0.50	<0.50	**5.5**	**7.8**	**13**	**0.48 J**	<2	<2
MW-22 (MID)	10/13/11	Parsons	-----	-----	-----	-----	**120**	**0.39 J**	**0.38 J**	<0.50	<0.50	**4.6**	**6.3**	**7.2 J**	**0.37 J**	<2	<2
MW-22 (MID)	01/09/12	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	**4.4**	**6.6**	**12**	**0.45 J**	<2	<2
MW-22 (MID)	04/18/12	Parsons	-----	-----	-----	-----	**120**	<0.50	<0.50	<0.50	<0.50	**7.1**	**10**	**21**	**0.69 J**	<2	<2
MW-22 (MID)	07/09/12	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	**4.4**	**5.8**	<10	**0.43 J**	<2	<2
MW-22 (MID)	10/18/12	Parsons	-----	-----	-----	-----	<100	<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-23 (MID)	11/21/96	GSI	**1,400**	-----	<500	<500	-----	**62**	<0.50	**18**	**3.5**	**0.60**	-----	-----	-----	-----	-----
MW-23 (MID)	07/09/97	GTI	-----	-----	-----	-----	-----	**160**	<1	**21**	**26**	-----	-----	-----	-----	-----	-----
MW-23 (MID)	07/09/97	GTI	**140**	-----	**970**	<860	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
MW-23 (MID)	01/06/98	GTI	-----	-----	<100	<100	-----	<0.30	-----	<0.30	-----	-----	-----	-----	-----	-----	-----
MW-23 (MID)	05/20/98	BBC	<300	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
MW-23 (MID)	11/04/98	GTI	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
MW-23 (MID)	05/27/99	GTI	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
MW-23 (MID)	11/18/99	IT Corporation	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
MW-23 (MID)	05/16/00	IT Corporation	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
MW-23 (MID)	11/29/00	IT Corporation	<300	**2,200**	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
MW-23 (MID)	05/10/01	IT Corporation	<300	**1,600**	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
MW-23 (MID)	11/07/01	IT Corporation	<300	**600**	-----	-----	-----	<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 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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)	04/10/02	IT Corporation	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
MW-23 (MID)	10/23/02	GTI	<300	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----
MW-23 (MID)	04/10/03	GTI	-----	<100	-----	-----	-----	<1	<1	<1	<2	<3	<3	-----	-----	-----	-----
MW-23 (MID)	10/08/03	Blaine Tech for Parsons	-----	**160**	-----	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----
MW-23 (MID)	04/22/04	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----
MW-23 (MID)	11/04/04	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.30	-----	<5	-----	-----	-----	-----
MW-23 (MID)	05/10/05	Blaine Tech for Parsons	-----	**650**	-----	-----	-----	**0.40**	**0.79**	**0.41**	<0.30	-----	<5	-----	-----	-----	-----
MW-23 (MID)	05/03/06	Blaine Tech for Parsons	-----	**6,000**	-----	-----	-----	<0.30	<0.30	<0.30	**0.32**	-----	<5	-----	-----	-----	-----
MW-23 (MID)	12/06/06	Blaine Tech for Parsons	-----	**240**	-----	-----	-----	<0.50	<0.50	<0.50	<1	-----	<5	-----	-----	-----	-----
MW-23 (MID)	05/02/07	Blaine Tech for Parsons	-----	**340**	-----	-----	-----	<0.50	<0.50	<0.50	<1	-----	<5	-----	-----	-----	-----
MW-23 (MID)	11/14/07	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<1	-----	<5	-----	-----	-----	-----
MW-23 (MID)	04/16/08	Blaine Tech for Parsons	-----	**120**	-----	-----	-----	<0.50	<0.50	<0.50	<1	-----	<5	-----	-----	-----	-----
MW-23 (MID)	10/15/08	Blaine Tech for Parsons	-----	-----	-----	-----	**150**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-23 (MID)	04/21/09	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	-----	<0.50	-----	-----	-----	-----
MW-23 (MID)	10/23/09	Blaine Tech for DESC	-----	-----	-----	-----	**150**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-23 (MID)	04/13/10	Blaine Tech for DESC	-----	-----	-----	-----	**1,000**	<0.50	<0.50	<0.50	<0.50	-----	<0.50	**4.8 J**	<2	<2	<2
MW-23 (MID)	10/04/10	Blaine Tech for Parsons	-----	-----	-----	-----	**1,400**	<0.50	-----	-----	-----	<0.50	**0.73**	<10	-----	-----	-----
MW-23 (MID)	04/14/11	Blaine Tech for Parsons	-----	-----	-----	-----	**1,800**	<0.50	<0.50	<0.50	<0.50	<0.50	**2.9**	<10	<2	<2	<2
MW-23 (MID)	10/13/11	Parsons	-----	-----	-----	-----	**1,900**	<0.50	<0.50	<0.50	<0.50	<0.50	**10**	**14**	<2	<2	<2
MW-23 (MID)	04/19/12	Parsons	-----	-----	-----	-----	**1,400**	<0.50	<0.50	<0.50	**0.32 J**	<0.50	**9.9**	**19**	<2	<2	<2
MW-23 (MID)	10/19/12	Parsons	-----	-----	-----	-----	**3,600**	<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	<500	-----	<0.50	<0.50	<0.50	<1.5	<0.50	-----	-----	-----	-----	-----
MW-24	07/09/97	GTI	**100**	-----	**1,400**	<1,000	-----	**11**	<5	<5	<5	<5	<5	-----	-----	-----	-----
MW-24	01/06/98	GTI	**700**	-----	<100	<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	**129**	-----	-----	-----	**11**	**2.7**	**2.1**	**18**	<0.50	<0.50	-----	-----	-----	-----
MW-24	05/26/99	GTI	<300	**142**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-24	11/18/99	IT Corporation	<300	<100	-----	-----	-----	<0.50	<1	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-24	05/16/00	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-24	11/29/00	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-24	05/09/01	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-24	11/07/01	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-24	04/10/02	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-24	10/23/02	GTI	<300	<100	-----	-----	-----	<0.50	<1	<1	<1	<0.50	<1	-----	-----	-----	-----
MW-24	04/11/03	GTI	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-24	10/08/03	Blaine Tech for Parsons	-----	**140**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-24	04/22/04	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-24	11/04/04	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-24	05/07/05	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-24	11/08/05	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-24	05/03/06	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-24	12/06/06	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-24	05/03/07	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-24	11/14/07	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-24	04/17/08	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-24	10/16/08	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-24	04/21/09	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-24	10/23/09	Blaine Tech for DESC	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-24	04/13/10	Blaine Tech for DESC	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-24	10/04/10	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	-----	-----	-----	<0.50	**0.51**	<10	-----	-----	-----
MW-24	04/13/11	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-24	10/13/11	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-24	04/18/12	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	**2.6**	**6.3 J**	<2	<2	<2
MW-24	10/16/12	Parsons	-----	-----	-----	-----	<100	<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-25	11/21/96	GSI	<50	-----	<500	<500	-----	<0.50	<0.50	<0.50	<1.5	**17**	<5	-----	-----	-----	-----
MW-25	07/09/97	GTI	<50	-----	**660**	<400	-----	<5	<5	<5	<5	**17**	<5	-----	-----	-----	-----
MW-25	01/06/98	GTI	<500	-----	<100	<100	-----	<0.50	<0.50	<0.50	<1	**15**	<0.50	-----	-----	-----	-----

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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	05/21/98	BBC	<300	-----	-----	-----	-----	<0.30	<0.50	<0.50	<1	**8.6**	<0.50	-----	-----	-----	-----
MW-25	11/04/98	GTI	<300	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**10**	<0.50	-----	-----	-----	-----
MW-25	11/18/99	IT Corporation	<300	<100	-----	-----	-----	<0.50	<1	<0.50	<0.50	**27**	**0.70**	-----	-----	-----	-----
MW-25	05/16/00	IT Corporation	<300	**320**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**50**	**4.7**	-----	-----	-----	-----
MW-25	11/28/00	Secor	<300	**320**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**62**	**11**	-----	-----	-----	-----
MW-25	11/29/00	IT Corporation	<300	<100	-----	-----	-----	<0.50	**0.60**	<0.50	**0.80**	**73**	**14**	-----	-----	-----	-----
MW-25	05/09/01	IT Corporation	<300	**240**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**45**	**7.1**	-----	-----	-----	-----
MW-25	05/09/01	Secor	<300	150	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**36**	**6.2**	-----	-----	-----	-----
MW-25	11/07/01	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**39**	**9.3**	-----	-----	-----	-----
MW-25	04/12/02	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**23**	**9.4**	-----	-----	-----	-----
MW-25	10/24/02	GTI	<300	<100	-----	-----	-----	<0.50	<1	<1	<1	**15**	**5.1**	-----	-----	-----	-----
MW-25	04/11/03	GTI	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**30.6**	**8.61**	-----	-----	-----	-----
MW-25	10/11/03	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**13**	**3.4**	-----	-----	-----	-----
MW-25	04/22/04	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**13**	**3.5**	<10	**2.4**	<2	<2
MW-25	11/04/04	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**17**	**3.4**	<10	**2.9**	<2	<2
MW-25	05/07/05	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**2.8**	**5**	<10	<2	<2	<2
MW-25	11/08/05	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**0.95**	**1.9**	<10	<2	<2	<2
MW-25	05/05/06	Blaine Tech for Parsons	-----	**390**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**4.3**	**10**	<10	<2	<2	<2
MW-25	12/05/06	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**3**	**3.5**	<10	<2	<2	<2
MW-25	05/03/07	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**2.8**	**2.3**	<10	<2	<2	<2
MW-25	11/14/07	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**1.6**	**1.3**	<10	<2	<2	<2
MW-25	04/17/08	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**4.5**	**4.3**	<10	<2	<2	<2
MW-25	10/16/08	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	**8.9**	**6.1**	<10	2.3	<2	<2
MW-25	04/22/09	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	**8.3**	**2.9**	<10	<2	<2	<2
MW-25	10/23/09	Blaine Tech for DESC	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	**4.1**	**0.83**	<10	<2	<2	<2
MW-25	04/13/10	Blaine Tech for DESC	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	**10**	**2.7**	<10	**2.5**	<2	<2
MW-25	10/04/10	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	-----	-----	-----	**2**	**0.35 J**	<10	-----	-----	-----
MW-25	04/12/11	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	**7.1**	**1.4**	<10	**0.71 J**	<2	<2
MW-25	10/13/11	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	**1.4**	**0.31 J**	<10	<2	<2	<2
MW-25	04/17/12	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	**1.3**	<0.50	<10	<2	<2	<2
MW-25	10/16/12	Parsons	-----	-----	-----	-----	<100	<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	<500	-----	**460**	**400**	**200**	**340**	**0.7**	-----	-----	-----	-----	-----
MW-26	07/10/97	GTI	<50	-----	**270**	<200	-----	<5	<5	<5	<5	<5	**340**	-----	-----	-----	-----
MW-26	01/06/98	GTI	<500	-----	<100	<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	<100	-----	-----	-----	<0.50	1.3	<0.50	1.1	<0.50	**146**	-----	-----	-----	-----
MW-26	05/26/99	GTI	**8,260**	**8,790**	-----	-----	-----	**3,000**	**170**	**400**	**1,000**	<0.50	**380**	-----	-----	-----	-----
MW-26	11/18/99	IT Corporation	<300	<100	-----	-----	-----	<0.50	<1	<0.50	<0.50	<0.50	**3.4**	-----	-----	-----	-----
MW-26	05/16/00	IT Corporation	**8,400**	**7,000**	-----	-----	-----	**2,300**	<5	**410**	**1,480**	<5	**76**	-----	-----	-----	-----
MW-26	11/29/00	IT Corporation	**1,800**	**1,000**	-----	-----	-----	**440**	**15**	**69**	**240**	<10	**69**	-----	-----	-----	-----
MW-26	05/10/01	IT Corporation	<300	<100	-----	-----	-----	**2.1**	<0.50	<0.50	<0.50	<0.50	**1.9**	-----	-----	-----	-----
MW-26	11/07/01	IT Corporation	**1,700**	**3,700**	-----	-----	-----	**370**	**79**	**37**	**171**	<0.50	**35**	-----	-----	-----	-----
MW-26	04/11/02	IT Corporation	**4,000**	**5,300**	-----	-----	-----	**1,200**	<5	**230**	**528**	<5	**65**	-----	-----	-----	-----
MW-26	10/24/02	GTI	**2,100**	**5,800**	-----	-----	-----	**970**	<5	<5	**262**	<2.5	**74**	-----	-----	-----	-----
MW-26	04/11/03	GTI	-----	**1,390**	-----	-----	-----	**858**	<0.50	**243**	**78.6**	<0.50	**108**	-----	-----	-----	-----
MW-26	10/11/03	Blaine Tech for Parsons	-----	**900**	-----	-----	-----	**4.6**	<0.50	**5.7**	**0.54**	<0.50	**29**	-----	-----	-----	-----
MW-26	04/22/04	Blaine Tech for Parsons	-----	**570**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**140**	**18**	<2	<2	<2
MW-26	11/04/04	Blaine Tech for Parsons	-----	**260**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**110**	**23**	<2	<2	<2
MW-26	05/07/05	Blaine Tech for Parsons	-----	**170**	-----	-----	-----	<0.50	<0.50	**3.1**	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-26	11/08/05	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-26	05/05/06	Blaine Tech for Parsons	-----	**120**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-26	12/06/06	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**1.9**	<10	<2	<2	<2
MW-26	05/03/07	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**2**	<10	<2	<2	<2
MW-26	11/14/07	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**4.4**	<10	<2	<2	<2
MW-26	04/17/08	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.99**	<10	<2	<2	<2
MW-26	10/16/08	Blaine Tech for Parsons	-----	-----	-----	-----	**150**	<0.50	<0.50	<0.50	<0.50	<0.50	**5**	<10	<2	<2	<2
MW-26	04/22/09	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-26	10/23/09	Blaine Tech for DESC	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	**2**	<10	<2	<2	<2
MW-26	04/13/10	Blaine Tech for DESC	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	**0.66**	<10	<2	<2	<2
MW-26	10/04/10	Blaine Tech for Parsons	-----	-----	-----	-----	<100	**1.6**	-----	-----	-----	<0.50	**0.68**	<10	-----	-----	-----

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-26	04/13/11	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	**2.3**	<10	<2	<2	<2
MW-26	10/13/11	Parsons	-----	-----	-----	-----	<100	**1.4**	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-26	04/17/12	Parsons	-----	-----	-----	-----	**770**	**1.1**	<0.50	**0.32 J**	**0.57 J**	<0.50	**3.7**	**9.7 J**	<2	<2	<2
MW-26	10/16/12	Parsons	-----	-----	-----	-----	**1,400**	**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-27	11/22/96	GSI	<50	-----	<500	<500	---	**180**	**12**	**25**	**50**	<0.50	-----	-----	-----	-----	-----
MW-27	07/10/97	GTI	**420**	-----	**400**	<400	-----	**1,400**	**28**	**53**	**253**	<5	**79**	-----	-----	-----	-----
MW-27	01/06/98	GTI	**1,500**	-----	<100	**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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-27	05/26/99	GTI	<300	<100	-----	-----	-----	<0.50	<0.50	**0.71**	**1.3**	<0.50	**1.1**	-----	-----	-----	-----
MW-27	11/18/99	IT Corporation	**7,200**	**6,400**	-----	-----	-----	**1,700**	**8.6**	**100**	**1,110**	<0.50	**170**	-----	-----	-----	-----
MW-27	05/16/00	IT Corporation	<300	<100	-----	-----	-----	**1.7**	<0.50	<0.50	<0.50	<0.50	**5.0**	-----	-----	-----	-----
MW-27	11/29/00	IT Corporation	<300	<100	-----	-----	-----	**0.90**	**0.70**	**0.70**	**1.0**	**0.60**	**17**	-----	-----	-----	-----
MW-27	05/10/01	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-27	11/07/01	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-27	04/11/02	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.90**	-----	-----	-----	-----
MW-27	10/24/02	GTI	<300	<100	-----	-----	-----	<0.50	<1	<1	<1	<0.50	**9.7**	-----	-----	-----	-----
MW-27	04/11/03	GTI	-----	<100	-----	-----	-----	<0.50	<0.50	**2.8**	<0.50	<0.50	**17**	-----	-----	-----	-----
MW-27	10/11/03	Blaine Tech for Parsons	-----	**150**	-----	-----	-----	**6.2**	<0.50	**0.79**	<0.50	<0.50	**8.9**	-----	-----	-----	-----
MW-27	04/22/04	Blaine Tech for Parsons	-----	**1,600**	-----	-----	-----	**130**	<0.50	**16**	<0.50	<0.50	**65**	**20**	<2	<2	<2
MW-27	11/06/04	Blaine Tech for Parsons	-----	**540**	-----	-----	-----	**1.6**	<0.50	**17**	<0.50	<0.50	**65**	**21**	<2	<2	<2
MW-27	05/07/05	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-27	11/08/05	Blaine Tech for Parsons	-----	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.59**	<10	<2	<2	<2
MW-27	05/05/06	Blaine Tech for Parsons	-----	**280**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**2.0**	<10	<2	<2	<2
MW-27	12/06/06	Blaine Tech for Parsons	-----	**180**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**2.3**	<10	<2	<2	<2
MW-27	05/03/07	Blaine Tech for Parsons	-----	**110**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**1.5**	<10	<2	<2	<2
MW-27	11/14/07	Blaine Tech for Parsons	-----	<100	-----	-----	-----	**1.3**	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-27	04/18/08	Blaine Tech for Parsons	-----	<100	-----	-----	-----	**2.9**	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-27	10/17/08	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-27	04/22/09	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-27	10/26/09	Blaine Tech for DESC	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	**0.54**	<10	<2	<2	<2
MW-27	04/13/10	Blaine Tech for DESC	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**7.5 J**	<2	<2	<2
MW-27	10/04/10	Blaine Tech for Parsons	-----	-----	-----	-----	<100	<0.50	-----	-----	-----	<0.50	<0.50	<10	-----	-----	-----
MW-27	04/12/11	Blaine Tech for Parsons	-----	-----	-----	-----	**430**	<0.50	<0.50	**0.35 J**	**3.2**	<0.50	<0.50	<10	<2	<2	<2
MW-27	10/13/11	Parsons	-----	-----	-----	-----	**180**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-27	04/17/12	Parsons	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-27	10/16/12	Parsons	-----	-----	-----	-----	**170**	<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-28	11/27/96	GSI	**1,500**	-----	<500	<500	-----	<2.5	<2.5	<2.5	<5	<2.5	-----	-----	-----	-----	-----
MW-28	07/10/97	GTI	**220**	-----	**2,200**	<1900	-----	<5	<5	<5	<5	<5	<5	-----	-----	-----	-----
MW-28	01/07/98	GTI	<500	-----	<100	<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	<100	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
MW-28	05/26/99	GTI	<300	<100	-----	-----	-----	**0.33**	<0.30	<0.30	**0.70**	-----	-----	-----	-----	-----	-----
MW-28	11/18/99	IT Corporation	<300	**330**	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
MW-28	05/17/00	IT Corporation	<300	**250**	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	-----	-----	-----	-----	-----
MW-28	12/01/00	IT Corporation	<300	**470**	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
MW-28	05/10/01	IT Corporation	<300	**3,000**	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
MW-28	11/08/01	IT Corporation	**300**	**160**	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
MW-28	04/12/02	IT Corporation	<300	**170**	-----	-----	-----	<0.30	<0.30	<0.30	<0.60	-----	<5	-----	-----	-----	-----
MW-29	05/21/98	BBC	**84,700**	-----	-----	-----	-----	**313**	**46**	**314**	**366**	-----	-----	-----	-----	-----	-----
MW-29	11/05/98	GTI	**28,600**	**19,600**	-----	-----	-----	**87**	<0.30	**2.2**	**31**	-----	-----	-----	-----	-----	-----
MW-29	05/27/99	GTI	**1,810**	**2,540**	-----	-----	-----	**150**	<0.60	**160**	**23**	-----	-----	-----	-----	-----	-----
MW-29	11/18/99	IT Corporation	**5,100**	**17,000**	-----	-----	-----	**220**	<0.30	**190**	**21**	-----	-----	-----	-----	-----	-----
MW-29	05/17/00	IT Corporation	**1,100**	**3,400**	-----	-----	-----	**23**	<0.30	**35**	**7.6**	-----	-----	-----	-----	-----	-----
MW-29	11/30/00	IT Corporation	**2,400**	**14,000**	-----	-----	-----	**120**	<0.30	**160**	**4.4**	-----	<5	-----	-----	-----	-----
MW-29	05/09/01	IT Corporation	<300	<100	-----	-----	-----	<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 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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	11/07/01	IT Corporation	**1,500**	**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**	**5,600**	-----	-----	-----	**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-O-1	10/08/10	Blaine Tech	**32,000**	<30,000	-----	-----	-----	**3,700**	**1,700**	**1,100**	**1,800**	<50	**60**	<500	<50	<50	<50
MW-O-1	04/13/11	Blaine Tech	**14,000**	**40,000**	-----	-----	-----	**1,900**	**370**	**400**	**2,400**	<20	**13**	<200	<20	<20	<20
MW-O-1	10/14/11	CH2M Hill	**15,000**	**22,000**	-----	-----	-----	**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-2	10/05/10	Blaine Tech	**570**	<540	-----	-----	-----	**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**	**1,500**	-----	-----	-----	**1,400**	**16**	**76**	**54**	<1	**620**	-----	-----	-----	-----
MW-SF-1	08/01/03	Secor	**13,000**	**18,000**	-----	-----	-----	**4,200**	**240**	**420**	**1,020**	<30	**910**	-----	-----	-----	-----
MW-SF-1	10/07/03	Secor	**15,000**	**7,300**	-----	-----	-----	**4,800**	**170**	**390**	**1,060**	<40	**800**	-----	-----	-----	-----
MW-SF-1	04/22/04	Secor	**27,000**	**11,000**	-----	-----	-----	**11,000**	**510**	**480**	**970**	<100	**3,800**	-----	-----	-----	-----
MW-SF-1	11/03/04	Secor	**34,000**	**12,000**	-----	-----	-----	**13,000**	**400**	**690**	**1,170**	<100	**2,600**	-----	-----	-----	-----
MW-SF-1	05/06/05	Secor	**12,000**	**8,800**	-----	-----	-----	**3,900**	**220**	**240**	**340**	<30	**670**	-----	-----	-----	-----
MW-SF-1	11/02/05	Secor	**15,000**	**9,200**	-----	-----	-----	**5,600**	**340**	**330**	**1,050**	<50	**570**	-----	-----	-----	-----
MW-SF-1	05/09/06	Secor	**20,000**	**9,000**	-----	-----	-----	**8,200**	**730**	**570**	**1,050**	<100	**1,300**	-----	-----	-----	-----
MW-SF-1	12/08/06	Secor	**19,000**	**20,000**	-----	-----	-----	**7,000**	**640**	**590**	**960**	<100	**650**	-----	-----	-----	-----
MW-SF-1	03/13/07	Secor	**10,000**	**2,700**	-----	-----	-----	**3,400**	**320**	**390**	**790**	<50	**160**	-----	-----	-----	-----
MW-SF-1	05/04/07	Secor	**11,000**	**4,600**	-----	-----	-----	**3,400**	**110**	**430**	**229**	<50	**340**	-----	-----	-----	-----
MW-SF-1	08/30/07	Secor	**16,000**	**9,000**	-----	-----	-----	**6,000**	**210**	**550**	**290**	<100	**430**	-----	-----	-----	-----
MW-SF-1	11/14/07	Secor	**16,000**	**6,300**	-----	-----	-----	**6,100**	**180**	**540**	**213**	<50	**400**	-----	-----	-----	-----
MW-SF-1	02/21/08	Secor	**23,000**	**5,600**	-----	-----	-----	**11,000**	**280**	**530**	**500**	<100	**1,100**	-----	-----	-----	-----
MW-SF-1	04/16/08	Secor	**21,000**	**11,000**	-----	-----	-----	**11,000**	**350**	**440**	**550**	<200	**740**	-----	-----	-----	-----
MW-SF-1	08/14/08	Secor	**18,000**	**27,000**	-----	-----	-----	**8,200**	**240**	**390**	**253**	<100	**490**	-----	-----	-----	-----
MW-SF-1	10/16/08	Stantec	**21,000**	**12,000**	-----	-----	-----	**10,000**	**280**	**490**	**477**	<100	**770**	-----	-----	-----	-----
MW-SF-1	02/24/09	Blaine Tech	**11,000**	**10,000**	-----	-----	-----	**6,300**	**85**	**160**	**65**	<50	**420**	<500	-----	-----	-----
MW-SF-1	04/20/09	Blaine Tech for AMEC	**16,000**	**11,000**	-----	-----	-----	**7,500**	**210**	**340**	**261**	<100	**340**	<1,000	<100	<100	<100
MW-SF-1	07/22/09	Blaine Tech	**12,000**	**34,000**	-----	-----	-----	**6,300**	**110**	**180**	**89**	<50	**510**	**540**	<50	<50	<50
MW-SF-1	10/23/09	Blaine Tech for Parsons	**21,000**	**12,000**	-----	-----	-----	**11,000**	**110**	**350**	**63**	<100	**620**	<1,000	<100	<100	<100
MW-SF-1	03/16/10	Blaine Tech for Parsons	**13,000**	**12,000**	-----	-----	-----	**5,900**	**56**	**120**	**55**	<50	**650**	<500	<50	<50	<50
MW-SF-1	05/27/10	Blaine Tech	**8,800**	**3,500**	-----	-----	-----	**3,900**	**46**	**150**	**51**	<40	**140**	<400	<40	<40	<40
MW-SF-1	07/13/10	Blaine Tech	**8,600**	**11,000**	-----	-----	-----	**4,000**	**41**	**64**	<25	<50	**350**	<500	<50	<50	<50
MW-SF-1	10/07/10	Blaine Tech	**10,000**	<5000	-----	-----	-----	**5,200**	**58**	**67**	<50	<100	**440**	<1,000	<100	<100	<100
MW-SF-1	01/12/11	Blaine Tech	**15,000**	**15,000**	-----	-----	-----	**8,500**	<50	<50	<50	<100	**650**	<1,000	<100	<100	<100
MW-SF-1	04/13/11	Blaine Tech	**16,000**	**9,400**	-----	-----	-----	**7,800**	**62**	**97**	**93**	<100	**450**	<1,000	<100	<100	<100
MW-SF-1	07/12/11	CH2M Hill	**8,400**	**12,000**	-----	-----	-----	**4,700**	**34**	**76**	<38	<50	**240**	<500	<50	<50	<50
MW-SF-1	10/12/11	CH2M Hill	**9,500**	**9,800**	-----	-----	-----	**4,500**	**32**	**71**	**37**	<50	**180**	<500	<50	<50	<50
MW-SF-1	01/10/12	CH2M Hill	**15,000**	**13,000**	-----	-----	-----	**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-2	10/05/10	Blaine Tech	**110,000**	<180,000	-----	-----	-----	**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**	**26,000**	-----	-----	-----	**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**	-----	-----	-----	**18,000**	**9,600**	**660**	**5,100**	<200	**940**	<2,000	<200	<200	<200
MW-SF-3	10/04/10	Blaine Tech	<500	<3,700	-----	-----	-----	**32**	**10**	<2.5	**8.4**	<5	**50**	**3,000**	<5	<5	<5
MW-SF-3	04/29/11	Blaine Tech	**15,000**	**52,000**	-----	-----	-----	**5,200**	**590**	**140**	**520**	<50	**2,300**	**1,200**	<50	<50	<50
MW-SF-3	10/14/11	CH2M Hill	**9,500**	**3,400**	-----	-----	-----	**4,300**	<25	**28**	**38**	<50	**98**	<500	<50	<50	<50
MW-SF-4	03/11/03	Geomatrix	**3,600**	**2,500**	-----	-----	-----	**1,100**	<13	**180**	**120**	<13	**750**	-----	-----	-----	-----
MW-SF-4	10/08/03	Secor	**40,000**	**86,000**	-----	-----	-----	**4,600**	**1,900**	**990**	**5,200**	<40	**530**	-----	-----	-----	-----
MW-SF-4	02/21/08	Secor	**25,000**	**9,900**	-----	-----	-----	**4,100**	**89**	**1,200**	**2,730**	<40	**330**	-----	-----	-----	-----
MW-SF-4	04/16/08	Secor	**21,000**	**11,000**	-----	-----	-----	**4,600**	**94**	**970**	**2,920**	<100	**380**	-----	-----	-----	-----
MW-SF-4	08/14/08	Secor	**20,000**	**54,000**	-----	-----	-----	**4,200**	**43**	**1,100**	**770**	<50	**260**	-----	-----	-----	-----
MW-SF-4	10/16/08	Stantec	**17,000**	**12,000**	-----	-----	-----	**3,700**	**42**	**1,100**	**1,196**	<40	**170**	-----	-----	-----	-----
MW-SF-4	02/23/09	Blaine Tech	**20,000**	**32,000**	-----	-----	-----	**6,400**	**92**	**1,000**	**1,420**	<50	**950**	<500	-----	-----	-----
MW-SF-4	05/28/10	Blaine Tech	**17,000**	**8,800**	-----	-----	-----	**7,200**	**39**	**370**	**250**	<50	**440**	<500	**120**	<50	<50

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-SF-4	07/14/10	Blaine Tech	**13,000**	**9,500**	-----	-----	-----	**4,400**	**37**	**450**	**360**	<50	**320**	<500	**64**	<50	<50
MW-SF-4	10/07/10	Blaine Tech	**30,000**	<31,000	-----	-----	-----	**8,900**	<50	**940**	**770**	<100	**620**	<1,000	<100	<100	<100
MW-SF-4	01/12/11	Blaine Tech	**20,000**	**18,000**	-----	-----	-----	**8,500**	<50	**350**	**280**	<100	**350**	<1,000	**100**	<100	<100
MW-SF-4	04/13/11	Blaine Tech	**11,000**	**28,000**	-----	-----	-----	**2,600**	<15	**320**	**297**	<30	**180**	<300	<30	<30	<30
MW-SF-4	07/12/11	CH2M Hill	**15,000**	**10,000**	-----	-----	-----	**4,500**	**36**	**530**	**540**	<50	**220**	<500	<50	<50	<50
MW-SF-4	01/10/12	CH2M Hill	**22,000**	**54,000**	-----	-----	-----	**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-5	10/08/10	Blaine Tech	**540**	<2,700	-----	-----	-----	**110**	**1.1**	<1	<1	<2	**400**	**180**	**18**	<2	<2
MW-SF-5	04/13/11	Blaine Tech	**570**	**2,900**	-----	-----	-----	**41**	<2	<2	<2	<4	**380**	**270**	**24**	<4	<4
MW-SF-5	10/13/11	CH2M Hill	<500	**2,900**	-----	-----	-----	**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-6	10/08/10	Blaine Tech	**59,000**	**9,200**	-----	-----	-----	**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**	-----	-----	-----	**12,000**	**330**	**540**	**3,800**	<100	**810**	<1,000	<100	<100	<100
MW-SF-6	10/13/11	CH2M Hill	**40,000**	**11,000**	-----	-----	-----	**14,000**	**420**	**780**	**3,600**	<200	**570**	<2,000	<200	<200	<200
MW-SF-9	03/11/03	Geomatrix	**24,000**	**13,000**	-----	-----	-----	**3,200**	**940**	**340**	**1,040**	<25	**1,600**	-----	-----	-----	-----
MW-SF-9	08/01/03	Secor	**6,600**	**95,000**	-----	-----	-----	**980**	**72**	**140**	**430**	**17**	**2,500**	-----	-----	-----	-----
MW-SF-9	10/07/03	Secor	**5,800**	**3,300**	-----	-----	-----	**340**	**8.8**	**82**	**92**	<5	**3,200**	-----	-----	-----	-----
MW-SF-9	05/04/05	Secor	**5,700**	**9,700**	-----	-----	-----	**730**	**73**	**130**	**190**	<10	**54**	-----	-----	-----	-----
MW-SF-9	11/03/05	Secor	<500	**690**	-----	-----	-----	**9.4**	<2.5	<2.5	<2.5	<5	<2.5	-----	-----	-----	-----
MW-SF-9	12/08/06	Secor	<500	**10,000**	-----	-----	-----	**35**	<2.5	<2.5	**3.6**	<5	**8.7**	-----	-----	-----	-----
MW-SF-9	11/14/07	Secor	**110**	**1,400**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
MW-SF-9	04/16/08	Secor	**920**	**5,800**	-----	-----	-----	**200**	**1.4**	**6.3**	**3.9**	<1	**16**	-----	-----	-----	-----
MW-SF-9	10/21/08	Stantec	**350**	**770**	-----	-----	-----	**10**	<0.50	**2.3**	<0.50	<1	<0.50	-----	-----	-----	-----
MW-SF-9	04/23/09	Blaine Tech for AMEC	**430**	**3,800**	-----	-----	-----	**44**	<0.50	**1.2**	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-SF-9	10/22/09	Blaine Tech for Parsons	**2,400**	**5,900**	-----	-----	-----	**1,300**	<10	**11**	<10	<20	**13**	<200	<20	<20	<20
MW-SF-9	05/27/10	Blaine Tech	**350**	**8,200**	-----	-----	-----	**100**	**1.3**	<1	<1	<2	<1	<20	<2	<2	<2
MW-SF-9	10/07/10	Blaine Tech	**1,100**	<7,300	-----	-----	-----	**450**	**7.8**	**17**	<2.5	<5	<2.5	<50	<5	<5	<5
MW-SF-9	04/13/11	Blaine Tech	**310**	**5,900**	-----	-----	-----	**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-10	10/05/10	Blaine Tech	**30,000**	<220,000	-----	-----	-----	**1,500**	**1,200**	**600**	**2,700**	<30	**31**	<300	<30	<30	<30
MW-SF-10	04/14/11	Blaine Tech	**31,000**	**160,000**	-----	-----	-----	**520**	**68**	**410**	**6,500**	<20	**21**	<200	<20	<20	<20
MW-SF-10	10/13/11	CH2M Hill	**18,000**	**46,000**	-----	-----	-----	**320**	**320**	**260**	**2,900**	<20	<10	<200	<20	<20	<20
MW-SF-11	10/05/10	Blaine Tech	**7,800**	**650**	-----	-----	-----	**4,000**	**210**	<15	**110**	<30	**140**	**940**	<30	<30	<30
MW-SF-11	04/29/11	Blaine Tech	**16,000**	**2,500**	-----	-----	-----	**10,000**	**60**	**95**	**140**	<100	**130**	<1,000	<100	<100	<100
MW-SF-11	10/13/11	CH2M Hill	**30,000**	**2,300**	-----	-----	-----	**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**	**1,900**	-----	-----	-----	**5,300**	**1,800**	**110**	**680**	<50	**2,200**	**880**	<50	<50	<50
MW-SF-12	04/29/11	Blaine Tech	**27,000**	**19,000**	-----	-----	-----	**5,900**	**4,400**	**340**	**3,400**	<50	**2,200**	<500	<50	<50	<50
MW-SF-12	10/13/11	CH2M Hill	**110,000**	**11,000**	-----	-----	-----	**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**	**2,900**	-----	-----	-----	**2,100**	**1,000**	**83**	**520**	<20	**680**	**280**	**61**	<20	<20
MW-SF-13	04/29/11	Blaine Tech	**3,400**	**6,300**	-----	-----	-----	**1,000**	**64**	**20**	**189**	<10	**39**	**270**	**23**	<10	<10
MW-SF-13	10/14/11	CH2M Hill	**42,000**	**13,000**	-----	-----	-----	**12,000**	**5,200**	**300**	**2,200**	<200	**580**	<2,000	<200	<200	<200
MW-SF-14	10/08/10	Blaine Tech	**30,000**	**9,300**	-----	-----	-----	**10,000**	**300**	**900**	**1,400**	<200	**1,900**	**2,300**	<200	<200	<200
MW-SF-14	04/29/11	Blaine Tech	**18,000**	**6,500**	-----	-----	-----	**12,000**	**84**	**130**	**150**	<100	**330**	**1,800**	<100	<100	<100
MW-SF-14	10/13/11	CH2M Hill	<20,000	**6,900**	-----	-----	-----	**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-15	10/05/10	Blaine Tech	**8,600**	**2,000**	-----	-----	-----	**1,900**	**700**	**63**	**500**	<20	**1,000**	**9,200**	**37**	<20	<20
MW-SF-15	04/29/11	Blaine Tech	**10,000**	**3,800**	-----	-----	-----	**5,500**	**230**	**100**	**361**	<40	**1,200**	**3,400**	**62**	<40	<40
MW-SF-15	10/14/11	CH2M Hill	**35,000**	**39,000**	-----	-----	-----	**11,000**	**860**	**210**	**1,700**	<200	**780**	**2,300**	<200	<200	<200
MW-SF-16	10/04/10	Blaine Tech	**4,100**	<1400	-----	-----	-----	**1,600**	**150**	**39**	**160**	<20	**170**	**1,800**	**39**	<20	<20
MW-SF-16	04/29/11	Blaine Tech	**5,900**	**2,400**	-----	-----	-----	**2,400**	**210**	**150**	**563**	<20	**210**	**370**	**30**	<20	<20
MW-SF-16	10/14/11	CH2M Hill	**7,900**	**2,500**	-----	-----	-----	**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
PO-7	11/08/05	Blaine Tech for Parsons	<100	<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	-----	-----	-----	-----

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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	05/22/98	Terra Services	<300	-----	-----	-----	-----	<0.50	<0.50	<0.50	<1	**38**	<0.50	-----	-----	-----	-----
PW-1	11/13/98	Alton Geoscience	<300	-----	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**73**	**8.1**	-----	-----	-----	-----
PW-1	05/06/99	Alton Geoscience	<500	-----	<500	-----	-----	<0.50	<0.50	<0.50	<0.50	**5.7**	<0.50	-----	-----	-----	-----
PW-1	11/17/99	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**2.5**	<0.50	-----	-----	-----	-----
PW-1	05/17/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**1.5**	<0.50	-----	-----	-----	-----
PW-1	11/28/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**0.70**	<0.50	-----	-----	-----	-----
PW-1	05/09/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**0.60**	<0.50	-----	-----	-----	-----
PW-1	11/07/01	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**1.3**	<0.50	-----	-----	-----	-----
PW-1	04/11/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
PW-1	10/23/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
PW-1	04/08/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
PW-1	10/08/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
PW-1	04/21/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
PW-1	11/04/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
PW-1	05/05/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**2.1**	<0.50	-----	-----	-----	-----
PW-1	05/09/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
PW-1	12/07/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
PW-1	05/05/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
PW-1	11/14/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
PW-1	04/18/08	Secor	<50	**460**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
PW-1	11/21/08	Stantec	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
PW-1	04/20/09	Blaine Tech for AMEC	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
PW-1	10/21/09	Blaine Tech for Parsons	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
PW-1	05/26/10	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
PW-1	10/06/10	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
PW-1	04/12/11	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
PW-1	10/11/11	CH2M Hill	<50	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**45**	**0.70**	-----	-----	-----	-----
PW-2	02/29/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**58**	<0.50	-----	-----	-----	-----
PW-2	05/16/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**50**	**0.80**	-----	-----	-----	-----
PW-2	08/29/00	Secor	<300	**760**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**56**	**0.60**	-----	-----	-----	-----
PW-2	11/29/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**35**	**0.60**	-----	-----	-----	-----
PW-2	02/06/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**28**	**0.80**	-----	-----	-----	-----
PW-2	05/08/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**14**	<0.50	-----	-----	-----	-----
PW-2	09/19/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**24**	<0.50	-----	-----	-----	-----
PW-2	11/06/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**23**	<0.50	-----	-----	-----	-----
PW-2	01/30/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
PW-2	04/09/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	**1.7**	**19**	<0.50	-----	-----	-----	-----
PW-2	10/24/02	Secor	<300	**1,000**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
PW-2	01/16/03	Geomatrix	<300	<100	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
PW-2	04/08/03	Secor	<50	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**8.8**	<0.50	-----	-----	-----	-----
PW-2	04/21/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**18**	**0.56**	-----	-----	-----	-----
PW-2	07/08/04	Geomatrix	<50	**250**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
PW-2	11/03/04	Secor	**83**	**140**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**52**	**1.5**	-----	-----	-----	-----
PW-2	05/06/05	Secor	**110**	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**70**	**6.2**	-----	-----	-----	-----
PW-2	11/03/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
PW-2	05/04/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
PW-2	12/06/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**6.8**	<0.50	-----	-----	-----	-----
PW-2	05/02/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**0.57**	<0.50	-----	-----	-----	-----
PW-2	11/13/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
PW-2	04/17/08	Secor	<50	<100	-----	-----	-----	<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	-----	-----	-----	-----

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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	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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**3.5**	<0.50	-----	-----	-----	-----
PW-3	05/08/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**4.4**	<0.50	-----	-----	-----	-----
PW-3	09/19/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**2.7**	<0.50	-----	-----	-----	-----
PW-3	11/06/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**4.8**	<0.50	-----	-----	-----	-----
PW-3	01/30/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
PW-3	04/09/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**3.0**	<0.50	-----	-----	-----	-----
PW-3	10/24/02	Secor	<300	**1,600**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
PW-3	01/16/03	Geomatrix	<300	<100	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
PW-3	04/08/03	Secor	<50	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**2.6**	<0.50	-----	-----	-----	-----
PW-3	04/21/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
PW-3	07/13/04	Geomatrix	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
PW-3	11/03/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
PW-3	05/06/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**0.53**	<0.50	-----	-----	-----	-----
PW-3	11/03/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
PW-3	05/03/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
PW-3	12/06/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**1.1**	<0.50	-----	-----	-----	-----
PW-3	05/02/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
PW-3	11/15/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
PW-3	04/17/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
PW-3	10/17/08	Stantec	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
PW-3	04/20/09	Blaine Tech for AMEC	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**0.64**	<0.50	<10	<1	<1	<1
PW-3	10/21/09	Blaine Tech for Parsons	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**0.86**	<0.50	<10	<1	<1	<1
PW-3	05/26/10	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**1.3**	<0.50	<10	<1	<1	<1
PW-3	10/06/10	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
PW-3	04/12/11	Blaine Tech	<50	<100	-----	-----	-----	<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	<100	-----	-----	-----	<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
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**	<100	-----	-----	-----	**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	<100	-----	-----	-----	<2.5	<2.5	<2.5	<2.5	<2.5	**210**	-----	-----	-----	-----
PZ-1	05/17/00	Secor	**350**	**740**	-----	-----	-----	**51**	<2.5	**2.7**	<2.5	<2.5	**250**	-----	-----	-----	-----
PZ-1	11/29/00	Secor	**390**	**720**	-----	-----	-----	**79**	<2.5	<2.5	<2.5	<2.5	**260**	-----	-----	-----	-----
PZ-1	05/08/01	Secor	<300	**380**	-----	-----	-----	**15**	<0.50	<0.50	<0.50	<0.50	**330**	-----	-----	-----	-----
PZ-1	11/06/01	Secor	**550**	**140**	-----	-----	-----	**8.4**	<0.50	<0.50	**0.70**	**1.4**	**470**	-----	-----	-----	-----
PZ-1	04/09/02	Secor	<300	<100	-----	-----	-----	<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-3	04/22/04	Blaine Tech for Parsons	-----	**56,000**	-----	-----	-----	**6,300**	<1500	**4,100**	**24,000**	-----	<25000	-----	-----	-----	-----
PZ-3	04/22/09	Blaine Tech for Parsons	-----	-----	-----	-----	**2,200**	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<50	<10	<10	<10
PZ-3	04/15/10	Blaine Tech for DESC	-----	-----	-----	-----	**1,600**	**2.2**	<0.50	<0.50	<0.50	<0.50	**0.74**	<10	<2	<2	<2
PZ-3	10/08/10	Blaine Tech for Parsons	-----	-----	-----	-----	**430**	**0.60**	-----	-----	-----	<0.50	**0.69**	<10	-----	-----	-----
PZ-3	04/14/11	Blaine Tech for Parsons	-----	-----	-----	-----	**2,700**	**1.3**	<0.50	<0.50	<0.50	<0.50	**0.71**	<10	<2	<2	<2
PZ-3	10/14/11	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 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
PZ-3	04/19/12	Parsons	-----	-----	-----	-----	**590**	**0.68**	<0.50	<0.50	**0.26 J**	<0.50	**0.52**	**6.6 J**	<2	<2	<2
PZ-3	10/19/12	Parsons	-----	-----	-----	-----	**5,000**	**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-5	10/07/03	Secor	**6,900**	<100	-----	-----	-----	**11**	<10	<10	<10	<20	**9,100**	-----	-----	-----	-----
PZ-5	05/05/05	Secor	<50	<100	-----	-----	-----	**0.87**	<0.50	<0.50	<0.50	<0.50	**43**	-----	-----	-----	-----
PZ-5	11/02/05	Secor	**1,200**	<100	-----	-----	-----	<2.5	<2.5	<2.5	<2.5	<5	**2,100**	-----	-----	-----	-----
PZ-5	02/28/06	Secor	**160**	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<1	**380**	-----	-----	-----	-----
PZ-5	05/04/06	Secor	**1,200**	<100	-----	-----	-----	<2	<2	<2	<2	<4	**1,900**	-----	-----	-----	-----
PZ-5	09/19/06	Secor	**480**	<100	-----	-----	-----	<1	<1	<1	<1	<2	**1,200**	-----	-----	-----	-----
PZ-5	12/07/06	Secor	**480**	<100	-----	-----	-----	<1.5	<1.5	<1.5	<1.5	<3	**960**	-----	-----	-----	-----
PZ-5	03/13/07	Secor	**320**	<100	-----	-----	-----	<1	<1	<1	<1	<2	**690**	-----	-----	-----	-----
PZ-5	05/04/07	Secor	**400**	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<1	**610**	-----	-----	-----	-----
PZ-5	08/29/07	Secor	**380**	<100	-----	-----	-----	<1	<1	<1	<1	<2	**480**	-----	-----	-----	-----
PZ-5	11/15/07	Secor	**370**	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<1	**470**	-----	-----	-----	-----
PZ-5	02/20/08	Secor	**940**	**560**	-----	-----	-----	<1	<1	<1	<1	<2	**750**	-----	-----	-----	-----
PZ-5	04/15/08	Secor	**750**	**330**	-----	-----	-----	<1	<1	<1	<1	<2	**740**	-----	-----	-----	-----
PZ-5	08/12/08	Secor	**1,500**	**370**	-----	-----	-----	<2	<2	<2	<2	<4	**2,000**	-----	-----	-----	-----
PZ-5	10/16/08	Stantec	<3,000	**210**	-----	-----	-----	**22**	<15	<15	<15	<30	**1,900**	-----	-----	-----	-----
PZ-5	02/24/09	Blaine Tech	**1,000**	**440**	-----	-----	-----	**61**	<1	<1	<1	<2	**1,200**	**37,000**	-----	-----	-----
PZ-5	02/24/09	Blaine Tech	**1,200**	**760**	-----	-----	-----	**250**	<2	**5.7**	<2	<4	**1,200**	**35,000**	<4	<4	<4
PZ-5	04/23/09	Blaine Tech for AMEC	**1,200**	**760**	-----	-----	-----	**250**	<2	**5.7**	<2	<4	**1,200**	**35,000**	<4	<4	<4
PZ-5	07/22/09	Blaine Tech	**3,800**	**1,800**	-----	-----	-----	**2,000**	**20**	**98**	**77**	<5	**800**	**54,000**	<5	<5	<5
PZ-5	10/23/09	Blaine Tech for Parsons	**2,900**	**1,300**	-----	-----	-----	**1,100**	**18**	**53**	**69**	<10	**500**	**50,000**	<10	<10	<10
PZ-5	03/16/10	Blaine Tech for Parsons	**1,700**	**890**	-----	-----	-----	**370**	**2.1**	**33**	**9.4**	<4	**350**	**58,000**	<4	<4	<4
PZ-5	04/16/10	Blaine Tech	**1,600**	**1,100**	-----	-----	-----	**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**	**1,300**	-----	-----	-----	**1,100**	<25	**66**	<25	<50	**360**	**69,000**	<50	<50	<50
PZ-5	07/14/10	Blaine Tech	**4,600**	**1,300**	-----	-----	-----	**1,900**	<10	**180**	<10	<20	**530**	**82,000**	<20	<20	<20
PZ-5	08/12/10	Blaine Tech	**9,100**	**1,600**	-----	-----	-----	**4,400**	<5	**340**	**42**	<10	**490**	**64,000**	<10	<10	<10
PZ-5	09/20/10	Blaine Tech	**8,500**	**1,800**	-----	-----	-----	**4,200**	**2.8**	**110**	**12**	<4	**370**	**43,000**	<4	<4	<4
PZ-5	10/07/10	Blaine Tech	**6,300**	**1,000**	-----	-----	-----	**3,100**	<20	**56**	<20	<40	**150**	**40,000**	<40	<40	<40
PZ-5	11/16/10	Blaine Tech	**3,400**	**1,600**	-----	-----	-----	**1,600**	<10	**10**	**15**	<20	**130**	**20,000**	<20	<20	<20
PZ-5	12/22/10	Blaine Tech	**3,400**	**1,700**	-----	-----	-----	**1,600**	<10	<10	<10	<20	**100**	**22,000**	<20	<20	<20
PZ-5	01/12/11	Blaine Tech	<4,000	**1,200**	-----	-----	-----	**1,500**	<5	<5	<5	<10	**130**	**38,000**	<10	<10	<10
PZ-5	02/24/11	Blaine Tech	**1,400**	**400**	-----	-----	-----	**390**	<2	<2	**3.8**	<4	**84**	**27,000**	<4	<4	<4
PZ-5	03/23/11	Blaine Tech	**1,100**	**820**	-----	-----	-----	**210**	<1	<1	**2.4**	<2	**140**	**29,000**	<2	<2	<2
PZ-5	04/13/11	Blaine Tech	**830**	**520**	-----	-----	-----	**59**	<1	<1	<1	<2	**120**	**28,000**	<2	<2	<2
PZ-5	05/13/11	Blaine Tech	**2,000**	**830**	-----	-----	-----	**710**	**4.7**	**25**	**26**	<5	**140**	**34,000**	<5	<5	<5
PZ-5	06/22/11		**4,500**	**1,100**	-----	-----	-----	**960**	**9.0**	**30**	**80**	<10	**100**	**33,000**	<10	<10	<10
PZ-5	07/12/11	CH2M Hill	**3,300**	**1,200**	-----	-----	-----	**1,500**	**16**	**50**	**77**	<20	**110**	**34,000**	<20	<20	<20
PZ-5	08/19/11	CH2M Hill	**2,600**	**1,200**	-----	-----	-----	**750**	**9.0**	**63**	**45**	<10	**150**	**47,000**	<10	<10	<10
PZ-5	09/22/11	CH2M Hill	**4,700**	**1,400**	-----	-----	-----	**1,600**	**33**	**100**	**200**	<20	**200**	**64,000**	<20	<20	<20
PZ-5	10/14/11	CH2M Hill	**4,600**	**1,500**	-----	-----	-----	**1,500**	**31**	**130**	**190**	<10	**170**	**58,000**	<10	<10	<10
PZ-5	11/28/11	CH2M Hill	**4,600**	**1,500**	-----	-----	-----	**1,700**	**18**	**150**	**140**	<20	**220**	**61,000**	<20	<20	<20
PZ-5	12/21/11	CH2M Hill	**5,900**	**2,000**	-----	-----	-----	**2,200**	**57**	**160**	**390**	<20	**190**	**61,000**	<20	<20	<20
PZ-5	01/10/12	CH2M Hill	**5,400**	**1,900**	-----	-----	-----	**2,000**	**44**	**140**	**330**	<20	**200**	**38,000**	<20	<20	<20
PZ-5	02/23/12	CH2M HILL	**8,400**	**1,700**	-----	-----	-----	**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

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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	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-6	11/30/00	Secor	<300	<100	-----	-----	-----	<0.50	**0.50**	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
PZ-6	05/08/01	Secor	<300	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
PZ-6	07/08/04	Geomatrix	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**0.50**	<0.50	-----	-----	-----	-----
PZ-7A	06/13/03	Secor	**340**	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<1	**660**	-----	-----	-----	-----
PZ-7A	09/24/03	Secor	**160**	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**390**	-----	-----	-----	-----
PZ-7A	10/10/03	Geomatrix	**240**	<100	-----	-----	-----	<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**	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**0.51**	**51**	-----	-----	-----	-----
PZ-7B	09/24/03	Secor	**61**	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**67**	-----	-----	-----	-----
PZ-7B	10/10/03	Geomatrix	**90**	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**12**	-----	-----	-----	-----
PZ-8A	09/24/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**1.7**	-----	-----	-----	-----
PZ-8A	10/10/03	Geomatrix	<50	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
PZ-8B	06/13/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**31**	-----	-----	-----	-----
PZ-8B	09/24/03	Secor	**86**	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**180**	-----	-----	-----	-----
PZ-8B	10/10/03	Geomatrix	**310**	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
PZ-9A	06/13/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
PZ-9A	09/24/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
PZ-9A	10/10/03	Geomatrix	<50	<100	-----	-----	-----	<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**	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**50**	-----	-----	-----	-----
PZ-9B	09/24/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**7.9**	-----	-----	-----	-----
PZ-9B	10/10/03	Geomatrix	<50	<100	-----	-----	-----	<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**	**1,800**	-----	-----	-----	**710**	**130**	**150**	**890**	<10	**47**	-----	-----	-----	-----
PZ-10	10/07/03	Secor	**6,200**	**1,900**	-----	-----	-----	**1,000**	**21**	**230**	**600**	<10	**55**	-----	-----	-----	-----
PZ-10	01/27/04	Secor	**3,100**	**1,800**	-----	-----	-----	**560**	**5.4**	**63**	**201**	<5	**28**	-----	-----	-----	-----
PZ-10	04/22/04	Secor	**11,000**	**8,300**	-----	-----	-----	**2,100**	**29**	**470**	**1,490**	<20	**110**	-----	-----	-----	-----
PZ-10	07/19/04	Secor	**4,800**	**2,500**	-----	-----	-----	**890**	<5	**210**	**278**	<10	**45**	-----	-----	-----	-----
PZ-10	11/03/04	Secor	**4,600**	**2,800**	-----	-----	-----	**920**	**9.1**	**280**	**580**	<10	**50**	-----	-----	-----	-----
PZ-10	02/03/05	Secor	**1,000**	**1,200**	-----	-----	-----	**250**	**1.4**	**34**	**108**	<2	**42**	-----	-----	-----	-----
PZ-10	05/04/05	Secor	<50	**350**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
PZ-10	08/01/05	Secor	<50	<100	-----	-----	-----	**0.71**	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
PZ-10	11/02/05	Secor	<100	**220**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<1	<0.50	-----	-----	-----	-----
PZ-10	02/27/06	Secor	<200	**1,600**	-----	-----	-----	<1	<1	<1	<1	<2	**6.1**	-----	-----	-----	-----
PZ-10	05/09/06	Secor	<1000	**1,600**	-----	-----	-----	**5.1**	<5	<5	<5	<10	**36**	-----	-----	-----	-----
PZ-10	09/20/06	Secor	<200	**640**	-----	-----	-----	<1	<1	<1	<1	<2	**3.6**	-----	-----	-----	-----
PZ-10	12/06/06	Secor	<500	**2,400**	-----	-----	-----	<2.5	<2.5	<2.5	<2.5	<5	**5.5**	-----	-----	-----	-----
PZ-10	03/13/07	Secor	<500	**1,100**	-----	-----	-----	<2.5	<2.5	<2.5	<2.5	<5	<2.5	-----	-----	-----	-----
PZ-10	05/03/07	Secor	<1000	**7,100**	-----	-----	-----	**6.1**	<5	<5	<5	<10	<5	-----	-----	-----	-----
PZ-10	08/30/07	Secor	<200	**1,000**	-----	-----	-----	<1	<1	<1	<1	<2	<1	-----	-----	-----	-----
PZ-10	11/14/07	Secor	<50	**360**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
PZ-10	02/21/08	Secor	<200	**510**	-----	-----	-----	**65**	<1	**3.1**	**9.4**	<2	<1	-----	-----	-----	-----
PZ-10	04/16/08	Secor	**950**	**670**	-----	-----	-----	**360**	**5.0**	**20**	**85**	<5	**11**	-----	-----	-----	-----
PZ-10	10/16/08	Stantec	<200	**1,100**	-----	-----	-----	**18**	<1	<1	<1	<2	**1.7**	-----	-----	-----	-----
PZ-10	04/20/09	Blaine Tech for AMEC	**560**	**2,600**	-----	-----	-----	**26**	<1	**3.2**	<1	<2	**12**	**38**	**5.2**	<2	<2
PZ-10	07/21/09	Blaine Tech	<200	**1,700**	-----	-----	-----	**1.4**	<1	<1	<1	<2	**9.6**	**55**	**3.1**	<2	<2
PZ-10	10/22/09	Blaine Tech for Parsons	<200	**1,200**	-----	-----	-----	<1	<1	<1	<1	<2	**4.4**	**30**	<2	<2	<2
PZ-10	05/27/10	Blaine Tech	<100	**940**	-----	-----	-----	**0.92**	<0.50	<0.50	<0.50	<1	**1.4**	<10	<1	<1	<1
PZ-10	10/07/10	Blaine Tech	<100	<830	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<1	<0.50	<10	<1	<1	<1
PZ-10	04/13/11	Blaine Tech	<200	**910**	-----	-----	-----	**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
TF-8	09/18/03	Blaine Tech for Parsons	-----	<100	-----	-----	-----	**1.2**	<0.50	**0.77**	**2.7**	<0.50	**24**	-----	-----	-----	-----

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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	02/21/04	Blaine Tech for Parsons	-----	-----	-----	**520**	-----	**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-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	Blaine Tech for Parsons	-----	**20,000**	-----	-----	-----	**210**	<2.5	**62**	**89**	<2.5	<2.5	-----	-----	-----	-----
TF-14	02/21/04	Blaine Tech for Parsons	-----	-----	-----	**12,000**	-----	**370**	<1	**130**	**126**	-----	**1.2**	-----	-----	-----	-----
TF-16	04/14/03	GTI	-----	**4,450**	-----	-----	-----	**24**	**5.0**	**15**	**17**	-----	**9.5**	-----	-----	-----	-----
TF-16	09/18/03	Blaine Tech for Parsons	-----	**59,000**	-----	-----	-----	**280**	**8.3**	**24**	**211**	<0.50	**9.1**	-----	-----	-----	-----
TF-16	10/11/03	Blaine Tech for Parsons	-----	**7,400**	-----	-----	-----	**150**	**7.0**	**27**	**91**	-----	<25	-----	-----	-----	-----
TF-16	02/21/04	Blaine Tech for Parsons	-----	-----	-----	**48,000**	-----	**120**	**2.4**	**23**	**89**	-----	**5.6**	-----	-----	-----	-----
TF-16	04/21/04	Blaine Tech for Parsons	-----	**23,000**	-----	-----	-----	**200**	**30**	**40**	**320**	-----	**4.6**	-----	-----	-----	-----
TF-16	11/04/04	Blaine Tech for Parsons	-----	**16,000**	-----	-----	-----	**180**	**4.0**	**20**	**320**	-----	<10	-----	-----	-----	-----
TF-16	05/06/05	Blaine Tech for Parsons	-----	**27,000**	-----	-----	-----	**43**	**10**	**4.6**	**73**	-----	<25	-----	-----	-----	-----
TF-16	11/08/05	Blaine Tech for Parsons	-----	**4,200**	-----	-----	-----	**25**	**0.86**	**3.4**	**20**	-----	**8.5**	-----	-----	-----	-----
TF-16	05/04/06	Blaine Tech for Parsons	-----	**33,000**	-----	-----	-----	**52**	**0.89**	**10**	**49**	-----	<5	-----	-----	-----	-----
TF-16	12/08/06	Blaine Tech for Parsons	-----	**3,500**	-----	-----	-----	**28**	<0.50	**1.5**	**3.0**	-----	<5	-----	-----	-----	-----
TF-16	05/04/07	Blaine Tech for Parsons	-----	**13,000**	-----	-----	-----	**520**	<2.5	**5.4**	**10**	-----	<25	-----	-----	-----	-----
TF-16	11/15/07	Blaine Tech for Parsons	-----	**5,200**	-----	-----	-----	**450**	<0.50	<0.50	<1	-----	**9.3**	-----	-----	-----	-----
TF-16	04/17/08	Blaine Tech for Parsons	-----	**4,300**	-----	-----	-----	**570**	**1.3**	**3.2**	**4.1**	-----	<10	-----	-----	-----	-----
TF-16	10/16/08	Blaine Tech for Parsons	-----	-----	-----	-----	**3,100**	**330**	<2.5	<2.5	<2.5	<2.5	**6.3**	<50	<10	<10	<10
TF-16	04/24/09	Blaine Tech for Parsons	-----	-----	-----	-----	**2,200**	**24**	<0.50	<0.50	<0.50	<0.50	**4.1**	**11**	<2	<2	<2
TF-16	10/26/09	Blaine Tech for DESC	-----	-----	-----	-----	**960**	**7.6**	<0.50	**0.34 J**	<0.50	<0.50	**3.9**	**11**	<2	<2	**0.35 J**
TF-16	04/15/10	Blaine Tech for DESC	-----	-----	-----	-----	**1,000**	**10**	<0.50	**0.38 J**	<0.50	-----	**3.5**	**8.2 J**	<2	<2	**0.42 J**
TF-16	04/15/11	Blaine Tech for Parsons	-----	-----	-----	-----	**870**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
TF-16	04/22/11	Blaine Tech 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**	-----	-----	-----	**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
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	-----	**476**	-----	-----	-----	**267**	**1.6**	**8.1**	**9.8**	-----	<3	-----	-----	-----	-----
TF-21	09/18/03	Blaine Tech for Parsons	-----	**1,800**	-----	-----	-----	**560**	<5	**5.6**	<5	<5	<5	-----	-----	-----	-----
TF-21	10/08/03	Blaine Tech for Parsons	-----	**2,500**	-----	-----	-----	**390**	<0.60	**4.2**	<0.60	-----	<10	-----	-----	-----	-----
TF-21	02/21/04	Blaine Tech for Parsons	-----	-----	-----	**1,500**	-----	**820**	<2.5	<2.5	<2.5	-----	**3.6**	-----	-----	-----	-----
TF-21	04/21/04	Blaine Tech for Parsons	-----	**2,000**	-----	-----	-----	**550**	<1	**1.6**	<1	-----	**2.7**	-----	-----	-----	-----
TF-21	11/04/04	Blaine Tech for Parsons	-----	**860**	-----	-----	-----	**10**	<0.30	<0.30	**1.2**	-----	<5	-----	-----	-----	-----
TF-21	05/05/05	Blaine Tech for Parsons	-----	**3,600**	-----	-----	-----	**190**	**13**	**45**	**310**	-----	<100	-----	-----	-----	-----
TF-21	11/05/05	Blaine Tech for Parsons	-----	**2,200**	-----	-----	-----	**140**	**0.61**	**3.7**	**39**	-----	**6.1**	-----	-----	-----	-----
TF-21	05/03/06	Blaine Tech for Parsons	-----	**3,200**	-----	-----	-----	**140**	**4.3**	**3.9**	**10**	-----	**5.1**	-----	-----	-----	-----
TF-21	12/06/06	Blaine Tech for Parsons	-----	**1,100**	-----	-----	-----	**44**	<0.50	<0.50	**5.0**	-----	<5	-----	-----	-----	-----
TF-21	05/04/07	Blaine Tech for Parsons	-----	**3,200**	-----	-----	-----	**80**	**0.93**	**0.86**	**2.2**	-----	**7.2**	-----	-----	-----	-----
TF-21	11/16/07	Blaine Tech for Parsons	-----	**790**	-----	-----	-----	**170**	<0.50	<0.50	<1	-----	<5	-----	-----	-----	-----
TF-21	04/17/08	Blaine Tech for Parsons	-----	**980**	-----	-----	-----	**190**	<0.50	**4.4**	**2.4**	-----	<5	-----	-----	-----	-----
TF-21	10/15/08	Blaine Tech for Parsons	-----	-----	-----	-----	**810**	**37**	<0.50	<0.50	<0.50	<0.50	**1.0**	**23**	<2	<2	<2
TF-21	04/24/09	Blaine Tech for Parsons	-----	-----	-----	-----	**350**	**40**	<0.50	<0.50	<0.50	<0.50	<0.50	**18**	<2	<2	<2
TF-21	10/26/09	Blaine Tech for DESC	-----	-----	-----	-----	**960**	**50**	<0.50	**0.46 J**	<0.50	<0.50	**0.74**	**19**	<2	<2	<2
TF-21	04/16/10	Blaine Tech for DESC	-----	-----	-----	-----	**1,100**	**120**	**0.37 J**	**1.1**	**1.2**	---	<0.50	**15**	<2	<2	<2
TF-21	04/15/11	Blaine Tech for Parsons	-----	-----	-----	-----	**2,000**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
TF-21	04/22/11	Blaine Tech 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**	-----	-----	-----	**1,900**	**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-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
WCW-1	11/25/96	GSI	<50	-----	<500	<500	-----	<0.50	<0.50	<0.50	<1.5	**0.60**	<5	-----	-----	-----	-----

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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	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	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-1	11/04/98	GTI	<300	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<1	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-1	02/28/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-1	05/19/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-1	08/28/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**0.50**	<0.50	-----	-----	-----	-----
WCW-1	11/30/00	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-1	02/05/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-1	05/10/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-1	09/18/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-1	11/08/01	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-1	01/30/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-1	04/11/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-1	10/24/02	GTI	<300	<100	-----	-----	-----	<0.50	<1	<1	<1	<0.50	<1	-----	-----	-----	-----
WCW-1	10/11/03	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**1.5**	-----	-----	-----	-----
WCW-1	05/06/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-1	05/03/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-1	11/13/07	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-1	04/18/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-1	04/21/09	Blaine Tech for AMEC	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-1	05/25/10	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-1	04/11/11	Blaine Tech	<50	<100	-----	-----	-----	<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	<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	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-2	11/04/98	GTI	<300	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-2	02/28/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**2.0**	<0.50	-----	-----	-----	-----
WCW-2	05/18/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-2	08/28/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**0.60**	<0.50	-----	-----	-----	-----
WCW-2	11/30/00	IT Corporation	<300	<100	-----	-----	-----	**0.60**	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-2	02/05/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-2	05/09/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-2	09/18/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-2	11/08/01	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-2	01/30/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-2	04/09/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-2	10/24/02	GTI	<300	<100	-----	-----	-----	<0.50	<1	<1	<1	<0.50	<1	-----	-----	-----	-----
WCW-2	04/10/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-2	10/11/03	Blaine Tech for Parsons	<100	**110**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-2	04/21/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-2	11/03/04	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-2	05/05/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-2	11/05/05	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-2	05/05/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-2	12/05/06	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-2	05/01/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-2	11/13/07	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-2	04/18/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-2	10/17/08	Blaine Tech for Parsons	<100	-----	-----	-----	<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	<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 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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	10/26/09	Blaine Tech for DESC	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-2	10/07/10	Blaine Tech for Parsons	<100	-----	-----	-----	<100	<0.50	-----	-----	-----	<0.50	<0.50	<10	-----	-----	-----
WCW-2	04/11/11	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-2	10/13/11	Parsons	-----	-----	-----	-----	<100	<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	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-2	04/09/13	CHHL	<50	-----	<50	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-2	10/08/13	CHHL	<50	-----	<50	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-2	04/15/14	CHHL	<50	-----	<50	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-2	10/28/14	BT for CH2MHill	<50	-----	<50	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-3	11/25/96	GSI	**120**	-----	<500	<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**	<100	-----	<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	**304**	-----	-----	-----	<2.5	<2.5	<2.5	<2.5	**200**	<2.5	-----	-----	-----	-----
WCW-3	11/03/98	GTI	<300	**228**	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**100**	**3.3**	-----	-----	-----	-----
WCW-3	02/28/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**100**	<0.50	-----	-----	-----	-----
WCW-3	05/18/00	Secor	<300	**110**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**92**	**1.0**	-----	-----	-----	-----
WCW-3	08/28/00	Secor	<300	**200**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**90**	**0.70**	-----	-----	-----	-----
WCW-3	11/30/00	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**68**	<0.50	-----	-----	-----	-----
WCW-3	02/05/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**81**	<0.50	-----	-----	-----	-----
WCW-3	05/09/01	Secor	<300	**120**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**63**	<0.50	-----	-----	-----	-----
WCW-3	09/19/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**69**	<0.50	-----	-----	-----	-----
WCW-3	11/08/01	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**51**	<0.50	-----	-----	-----	-----
WCW-3	01/30/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**34**	<0.50	-----	-----	-----	-----
WCW-3	04/09/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**29**	<0.50	-----	-----	-----	-----
WCW-3	07/30/02	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**47**	**0.55**	-----	-----	-----	-----
WCW-3	10/24/02	GTI	<300	<100	-----	-----	-----	<0.50	<1	<1	<1	**39**	<1	-----	-----	-----	-----
WCW-3	01/28/03	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**44**	<0.50	-----	-----	-----	-----
WCW-3	04/10/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**34**	<0.50	-----	-----	-----	-----
WCW-3	07/30/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**23**	<0.50	-----	-----	-----	-----
WCW-3	10/11/03	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**22**	<0.50	-----	-----	-----	-----
WCW-3	01/28/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**43**	<0.50	-----	-----	-----	-----
WCW-3	05/10/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**33**	<0.50	-----	-----	-----	-----
WCW-3	07/20/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**46**	<0.50	-----	-----	-----	-----
WCW-3	11/03/04	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**33**	<0.50	<10	<2	<2	<2
WCW-3	02/03/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**39**	<0.50	-----	-----	-----	-----
WCW-3	05/05/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**31**	<0.50	-----	-----	-----	-----
WCW-3	08/02/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**26**	<0.50	-----	-----	-----	-----
WCW-3	11/05/05	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**19**	<0.50	<10	<2	<2	<2
WCW-3	02/28/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**8.8**	<0.50	-----	-----	-----	-----
WCW-3	05/05/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**10**	<0.50	-----	-----	-----	-----
WCW-3	09/20/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**16**	<0.50	-----	-----	-----	-----
WCW-3	12/05/06	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**6.6**	<0.50	<10	<2	<2	<2
WCW-3	03/13/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-3	05/01/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-3	08/28/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-3	11/13/07	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-3	02/21/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-3	04/18/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-3	08/13/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**3.6**	<0.50	-----	-----	-----	-----
WCW-3	10/17/08	Blaine Tech for Parsons	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	-----	-----	-----
WCW-3	04/21/09	Blaine Tech for AMEC	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-3	07/20/09	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**1.7**	<0.50	<10	<1	<1	<1
WCW-3	10/26/09	Blaine Tech for DESC	<100	-----	-----	-----	<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 for Parsons	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**3.5**	<0.50	<10	<1	<1	<1
WCW-3	05/24/10	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**2.8**	<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 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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	07/12/10	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**4.4**	<0.50	<10	<1	<1	<1
WCW-3	10/08/10	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**2.8**	<0.50	<10	<1	<1	<1
WCW-3	01/11/11	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**3.3**	<0.50	<10	<1	<1	<1
WCW-3	04/11/11	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**4.1**	<0.50	<10	<1	<1	<1
WCW-3	07/12/11	CH2M Hill	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**4.5**	<0.50	<10	<1	<1	<1
WCW-3	10/11/11	CH2M Hill	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**3.4**	<0.50	<10	<1	<1	<1
WCW-3	01/09/12	CH2M Hill	<50	<100	-----	-----	-----	<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-4	11/22/96	GSI	<50	-----	<500	<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	**300**	-----	<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	**475**	-----	-----	-----	<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	**110**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-4	05/18/00	Secor	<300	**120**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-4	11/30/00	IT Corporation	<300	**160**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-4	05/09/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-4	11/08/01	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-4	04/09/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-4	10/24/02	GTI	<300	<100	-----	-----	-----	<0.50	<1	<1	<1	<0.50	<1	-----	-----	-----	-----
WCW-4	04/10/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-4	10/11/03	Blaine Tech for Parsons	<100	**280**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-4	05/10/04	Secor	<50	**120**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-4	11/03/04	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-4	05/05/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-4	11/05/05	Blaine Tech for Parsons	<100	**110**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-4	05/05/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-4	12/05/06	Blaine Tech for Parsons	<100	**120**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-4	05/01/07	Secor	<50	**250**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-4	11/13/07	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.72**	<10	<2	<2	<2
WCW-4	04/18/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.61**	-----	-----	-----	-----
WCW-4	10/17/08	Blaine Tech for Parsons	<100	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	**0.65**	<10	<2	<2	<2
WCW-4	04/21/09	Blaine Tech for AMEC	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.51**	<10	<1	<1	<1
WCW-4	10/26/09	Blaine Tech for DESC	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-4	10/07/10	Blaine Tech for Parsons	<100	-----	-----	-----	**130**	<0.50	-----	-----	-----	<0.50	**0.89**	<10	-----	-----	-----
WCW-4	04/13/11	Blaine Tech	<50	120	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	0.7	<10	<1	<1	<1
WCW-4	10/14/11	Parsons	-----	-----	-----	-----	<100	<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	---	-----	-----	-----	<100	<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-5	11/22/96	GSI	<50	-----	<500	<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	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-5	05/16/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-5	11/30/00	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-5	05/10/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-5	11/08/01	IT Corporation	<300	<100	-----	-----	-----	<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 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	1,2-DCA (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
WCW-5	04/11/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-5	10/24/02	GTI	<300	<100	-----	-----	-----	<0.50	<1	<1	<1	<0.50	<1	-----	-----	-----	-----
WCW-5	04/10/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-5	10/11/03	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-5	05/10/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-5	11/03/04	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-5	05/06/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-5	11/05/05	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-5	05/05/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-5	12/05/06	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-5	05/01/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-5	11/13/07	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-5	04/18/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-5	10/17/08	Blaine Tech for Parsons	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-5	10/26/09	Blaine Tech for DESC	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-5	10/07/10	Blaine Tech for Parsons	<100	-----	-----	-----	<100	<0.50	-----	-----	-----	<0.50	<0.50	<10	-----	-----	-----
WCW-5	04/11/11	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-5	10/14/11	Parsons	-----	-----	-----	-----	<100	<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	-----	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-5	04/09/13	CHHL	<50	-----	<50	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-5	10/08/13	CHHL	<50	-----	**130**	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-5	04/15/14	CHHL	<50	-----	<50	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-5	10/28/14	BT for CH2MHill	<50	-----	<50	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-6	11/22/96	GSI	**230**	-----	<500	<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	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**11**	<0.50	-----	-----	-----	-----
WCW-6	05/16/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**16**	**0.70**	-----	-----	-----	-----
WCW-6	11/30/00	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**2.7**	<0.50	-----	-----	-----	-----
WCW-6	05/09/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**5.7**	<0.50	-----	-----	-----	-----
WCW-6	11/08/01	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**2.7**	<0.50	-----	-----	-----	-----
WCW-6	04/11/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**1.7**	<0.50	-----	-----	-----	-----
WCW-6	10/24/02	GTI	<300	<100	-----	-----	-----	<0.50	<1	<1	<1	<0.50	<1	-----	-----	-----	-----
WCW-6	04/10/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**1.4**	<0.50	-----	-----	-----	-----
WCW-6	10/11/03	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**0.93**	<0.50	-----	-----	-----	-----
WCW-6	05/10/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**0.64**	<0.50	-----	-----	-----	-----
WCW-6	11/03/04	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-6	05/05/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-6	11/05/05	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**1.1**	<0.50	<10	<2	<2	<2
WCW-6	05/05/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-6	12/05/06	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-6	05/02/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-6	11/13/07	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-6	04/18/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-6	10/17/08	Blaine Tech for Parsons	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-6	10/26/09	Blaine Tech for DESC	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-6	10/07/10	Blaine Tech for Parsons	<100	-----	-----	-----	<100	<0.50	-----	-----	-----	<0.50	<0.50	<10	-----	-----	-----
WCW-6	04/11/11	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**0.69**	<0.50	<10	<1	<1	<1
WCW-6	10/13/11	Parsons	-----	-----	-----	-----	<100	<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	-----	-----	-----	-----	<100	<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

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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	11/22/96	GSI	<50	-----	<500	<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	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**35**	<0.50	-----	-----	-----	-----
WCW-7	05/06/99	Alton Geoscience	<500	-----	<500	-----	-----	<0.50	<0.50	<0.50	<0.50	**45**	<0.50	-----	-----	-----	-----
WCW-7	11/18/99	IT Corporation	<300	**190**	-----	-----	-----	<0.50	<1	<0.50	**0.60**	**62**	**1.3**	-----	-----	-----	-----
WCW-7	05/16/00	Secor	<300	**420**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**120**	**6.4**	-----	-----	-----	-----
WCW-7	11/30/00	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**83**	**6.0**	-----	-----	-----	-----
WCW-7	02/05/01	Secor	<300	**230**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**95**	**6.1**	-----	-----	-----	-----
WCW-7	05/10/01	Secor	<300	**180**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**91**	**9.3**	-----	-----	-----	-----
WCW-7	09/18/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**140**	**12**	-----	-----	-----	-----
WCW-7	11/08/01	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**91**	**11**	-----	-----	-----	-----
WCW-7	01/30/02	Secor	<300	**110**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**84**	**8.8**	-----	-----	-----	-----
WCW-7	04/11/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**66**	**8.4**	-----	-----	-----	-----
WCW-7	07/30/02	IT Corporation	<300	**260**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**74**	**8.6**	-----	-----	-----	-----
WCW-7	10/24/02	GTI	<300	<100	-----	-----	-----	<0.50	<1	<1	<1	**78**	**9.3**	-----	-----	-----	-----
WCW-7	01/28/03	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**80**	**7.3**	-----	-----	-----	-----
WCW-7	04/10/03	Secor	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**69**	**6.8**	-----	-----	-----	-----
WCW-7	07/30/03	Secor	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**69**	**7.6**	-----	-----	-----	-----
WCW-7	10/11/03	Blaine Tech for Parsons	<100	**260**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**84**	**9.4**	-----	-----	-----	-----
WCW-7	01/28/04	Secor	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**100**	**10**	-----	-----	-----	-----
WCW-7	05/10/04	Secor	<100	**170**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**73**	**6.7**	-----	-----	-----	-----
WCW-7	07/20/04	Secor	**140**	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**110**	**9.0**	-----	-----	-----	-----
WCW-7	11/03/04	Blaine Tech for Parsons	<100	**330**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**84**	**11**	**51**	**29**	<2	<2
WCW-7	02/03/05	Secor	**72**	**110**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**91**	**8.8**	-----	-----	-----	-----
WCW-7	05/05/05	Secor	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**83**	**6.9**	-----	-----	-----	-----
WCW-7	08/03/05	Secor	**53**	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**49**	**14**	-----	-----	-----	-----
WCW-7	11/05/05	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**14**	**6.7**	<10	**2.2**	<2	<2
WCW-7	02/28/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**2.5**	**0.84**	-----	-----	-----	-----
WCW-7	05/05/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**6.0**	**2.5**	-----	-----	-----	-----
WCW-7	09/20/06	Secor	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**33**	**7.2**	-----	-----	-----	-----
WCW-7	12/05/06	Blaine Tech for Parsons	<100	**210**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**36**	**8.0**	<10	**4.8**	<2	<2
WCW-7	03/13/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**32**	**5.4**	-----	-----	-----	-----
WCW-7	05/02/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**49**	**6.4**	-----	-----	-----	-----
WCW-7	08/28/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**56**	**7.1**	-----	-----	-----	-----
WCW-7	11/14/07	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**50**	**6.5**	<10	**9.2**	<2	<2
WCW-7	02/21/08	Secor	<50	**110**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**43**	**5.9**	-----	-----	-----	-----
WCW-7	04/18/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**54**	**5.9**	-----	-----	-----	-----
WCW-7	08/13/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**55**	**5.3**	-----	-----	-----	-----
WCW-7	10/17/08	Blaine Tech for Parsons	<100	-----	-----	-----	**100**	<0.50	<0.50	<0.50	<0.50	**45**	**5.4**	<10	**12**	<2	<2
WCW-7	02/24/09	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**40**	**2.4**	<10	-----	-----	-----
WCW-7	04/22/09	Blaine Tech for AMEC	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**40**	**2.8**	<10	**6.6**	<1	<1
WCW-7	07/21/09	Blaine Tech	<50	**120**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**31**	**1.9**	<10	**5.6**	<1	<1
WCW-7	10/26/09	Blaine Tech for DESC	<100	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	**40**	**1.8**	<10	**3.7**	<2	<2
WCW-7	03/15/10	Blaine Tech for Parsons	<50	**130**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**30**	**1.8**	<10	**4.0**	<1	<1
WCW-7	05/27/10	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**23**	**1.2**	<10	**3.3**	<1	<1
WCW-7	07/13/10	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**20**	**1.6**	<10	**3.4**	<1	<1
WCW-7	10/07/10	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**26**	**1.7**	<10	**3.9**	<1	<1
WCW-7	01/11/11	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**25**	**1.4**	<10	**3.3**	<1	<1
WCW-7	04/13/11	Blaine Tech	<50	**130**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**23**	**1.4**	<10	**3.9**	<1	<1
WCW-7	07/12/11	CH2M Hill	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**21**	**1.2**	<10	**2.6**	<1	<1
WCW-7	10/12/11	CH2M Hill	<500	**120**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**21**	**1.0**	<10	**2.2**	<1	<1
WCW-7	01/09/12	CH2M Hill	<50	**100**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**16**	**1.1**	<10	**2.1**	<1	<1
WCW-7	04/18/12	CH2M Hill	<50	-----	<50	-----	-----	<0.50	<0.50	<0.50	<0.50	**18**	**0.98**	<10	**2.2**	<1	<1
WCW-7	07/10/12	CHHL	<50	-----	<50	-----	-----	<0.50	<0.50	<0.50	<0.50	**16**	**0.84**	<10	**2.1**	<1	<1
WCW-7	10/17/12	CHHL	<50	-----	<50	-----	-----	<0.50	<0.50	<0.50	<0.50	**9.2**	**0.56**	<10	**1.5**	<1	<1
WCW-7	01/14/13	CHHL	<50	-----	<50	-----	-----	<0.50	<0.50	<0.50	<0.50	**18**	**1.2**	<10	**1.8**	<1	<1
WCW-7	04/10/13	CHHL	<50	-----	<50	-----	-----	<0.50	<0.50	<0.50	<0.50	**19**	**0.61**	<10	**1.3**	<1	<1
WCW-7	10/09/13	CHHL	<50	-----	<50	-----	-----	<0.50	<0.50	<0.50	<0.50	**11**	**0.60**	<10	**1.4**	<1	<1
WCW-7	04/17/14	CHHL	**61**	-----	**64**	-----	-----	<0.50	<0.50	<0.50	<0.50	**7.4**	**0.73**	<10	**1.7**	<1	<1
WCW-7	10/28/14	BT for CH2MHill	<100	-----	<50	-----	-----	<0.50	<0.50	<0.50	<0.50	**7.5**	**0.51**	<10	**1.2**	<1.0	<1.0
WCW-8	11/22/96	GSI	**84**	-----	<500	<500	-----	<0.50	<0.50	<0.50	<1.5	**0.50**	<5	-----	-----	-----	-----

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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	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	**1,300**	-----	<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	**2,590**	-----	-----	-----	<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	**1,100**	-----	-----	-----	<0.50	<1	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-8	05/16/00	Secor	<300	**1,500**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**1.8**	**120**	-----	-----	-----	-----
WCW-8	08/28/00	Secor	<300	**1,100**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**0.70**	<0.50	-----	-----	-----	-----
WCW-8	11/30/00	IT Corporation	<300	**790**	-----	-----	-----	**0.90**	<0.50	<0.50	**0.80**	<0.50	<0.50	-----	-----	-----	-----
WCW-8	02/05/01	Secor	<300	**940**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-8	05/09/01	Secor	<300	**520**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-8	09/18/01	Secor	<300	**380**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-8	11/08/01	IT Corporation	<300	**220**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-8	01/30/02	Secor	<300	**530**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-8	04/11/02	Secor	<300	**470**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-8	10/24/02	GTI	<300	**360**	-----	-----	-----	<0.50	<1	<1	<1	<0.50	<1	-----	-----	-----	-----
WCW-8	04/10/03	Secor	**61**	**270**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-8	10/11/03	Blaine Tech for Parsons	<100	**430**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-8	05/10/04	Secor	**55**	**160**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-8	11/03/04	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-8	05/05/05	Secor	<50	**100**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-8	11/05/05	Blaine Tech for Parsons	<100	**210**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-8	05/05/06	Secor	<50	**110**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-8	12/05/06	Blaine Tech for Parsons	<100	**450**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-8	05/02/07	Secor	<50	**160**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-8	11/14/07	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-8	04/18/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.60**	-----	-----	-----	-----
WCW-8	10/17/08	Blaine Tech for Parsons	<100	-----	-----	-----	**230**	<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	**210**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.59**	<10	<1	<1	<1
WCW-8	10/26/09	Blaine Tech for DESC	<100	-----	-----	-----	**200**	<0.50	<0.50	<0.50	<0.50	<0.50	**1.1**	<10	<2	<2	<2
WCW-8	05/27/10	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-8	10/07/10	Blaine Tech for Parsons	<100	-----	-----	-----	**200**	<0.50	-----	-----	-----	<0.50	**0.90**	**3.7 J**	-----	-----	-----
WCW-8	04/13/11	Blaine Tech	<50	**130**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	**0.96**	<10	<1	<1	<1
WCW-8	10/14/11	Parsons	-----	-----	-----	-----	**170**	<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	-----	-----	-----	-----	**130**	<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-9	11/22/96	GSI	<50	-----	<500	<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	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<1	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-9	05/16/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-9	11/30/00	IT Corporation	<300	<100	-----	-----	-----	**0.60**	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-9	05/10/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-9	11/08/01	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-9	04/11/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-10	11/25/96	GSI	<50	-----	<500	<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	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	**0.80**	<0.50	<0.50	-----	-----	-----	-----
WCW-10	05/19/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-10	11/30/00	IT Corporation	<300	<100	-----	-----	-----	**1.0**	<0.50	<0.50	**0.70**	<0.50	<0.50	-----	-----	-----	-----
WCW-10	05/10/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-10	11/08/01	IT Corporation	<300	<100	-----	-----	-----	<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 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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-10	04/09/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-11	11/25/96	GSI	<50	-----	<500	<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	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-11	05/18/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-11	11/30/00	IT Corporation	<300	<100	-----	-----	-----	**0.8**	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-11	05/09/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-11	11/08/01	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-11	04/09/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-12	11/25/96	GSI	<50	-----	<500	<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	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-12	05/18/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-12	11/30/00	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-12	05/09/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-12	11/08/01	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-12	04/09/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-12	10/24/02	GTI	<300	<100	-----	-----	-----	<0.50	<1	<1	<1	<0.50	<1	-----	-----	-----	-----
WCW-12	04/09/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-12	05/10/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-12	11/03/04	Blaine Tech for Parsons	<100	**3,600**	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-12	03/02/05	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<1	<1	<1	-----	<1	-----	-----	-----	-----
WCW-12	05/05/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-12	11/05/05	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-12	05/05/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-12	12/08/06	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-12	05/01/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-12	11/13/07	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-12	04/18/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-12	10/17/08	Blaine Tech for Parsons	<100	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-12	04/21/09	Blaine Tech for AMEC	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-12	10/27/09	Blaine Tech for DESC	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-12	10/07/10	Blaine Tech for Parsons	<100	-----	-----	-----	<100	<0.50	-----	-----	-----	<0.50	<0.50	<10	-----	-----	-----
WCW-12	04/11/11	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-12	10/14/11	Parsons	-----	-----	-----	-----	<100	<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	-----	-----	-----	-----	<100	<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-13	11/25/96	GSI	<50	-----	<500	<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	<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	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-13	05/18/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**0.8**	<0.50	-----	-----	-----	-----
WCW-13	08/28/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-13	11/30/00	IT Corporation	<300	<100	-----	-----	-----	**0.6**	<0.50	<0.50	<0.50	**1**	<0.50	-----	-----	-----	-----
WCW-13	02/05/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-13	05/09/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**0.6**	<0.50	-----	-----	-----	-----
WCW-13	09/18/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	**1**	<0.50	-----	-----	-----	-----

APPENDIX D

HISTORICAL ANALYTICAL RESULTS FOR TPH, BTEX COMPOUNDS, 1,2-DCA, AND FUEL OXYGENATES IN GROUNDWATER, NOVEMBER 1996 THROUGH OCTOBER 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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	11/08/01	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-13	01/30/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-13	04/09/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-13	07/30/02	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-13	10/24/02	GTI	<300	<100	-----	-----	-----	<0.50	<1	<1	<1	<0.50	<1	-----	-----	-----	-----
WCW-13	01/28/03	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-13	04/09/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-13	07/30/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-13	01/28/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-13	05/10/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-13	07/20/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-13	11/03/04	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-13	02/03/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-13	05/05/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-13	08/02/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-13	11/05/05	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-13	02/28/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-13	05/05/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-13	09/20/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-13	12/08/06	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-13	03/13/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-13	05/01/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-13	08/28/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-13	11/13/07	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-13	02/21/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-13	04/18/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-13	08/13/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-13	10/17/08	Blaine Tech for Parsons	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-13	04/21/09	Blaine Tech for AMEC	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	07/20/09	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	10/27/09	Blaine Tech for DESC	<100	-----	-----	-----	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-13	03/15/10	Blaine Tech for Parsons	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	05/24/10	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	07/12/10	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	10/08/10	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	01/10/11	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	04/11/11	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	07/11/11	CH2M Hill	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	10/11/11	CH2M Hill	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	01/09/12	CH2M Hill	<50	<100	-----	-----	-----	<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-14	11/03/98	GTI	<300	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-14	05/18/00	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-14	11/30/00	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-14	05/09/01	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-14	11/08/01	IT Corporation	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-14	04/09/02	Secor	<300	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-14	10/24/02	GTI	<300	<100	-----	-----	-----	<0.50	<1	<1	<1	<0.50	<1	-----	-----	-----	-----
WCW-14	04/09/03	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-14	05/10/04	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-14	11/03/04	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-14	05/05/05	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-14	11/05/05	Blaine Tech for Parsons	<100	<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 2014

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well	Date	Sampled By	TPH-g (µg/L)	TPH-fp (µg/L)	TPH-d (µg/L)	TPH-JP-4 (µg/L)	TPH-JP-5 (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	05/05/06	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-14	12/08/06	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-14	05/01/07	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-14	11/13/07	Blaine Tech for Parsons	<100	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-14	04/18/08	Secor	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-----	-----	-----	-----
WCW-14	10/17/08	Blaine Tech for Parsons	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-14	10/27/09	Blaine Tech for DESC	<100	-----	-----	-----	<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	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-14	10/07/10	Blaine Tech for Parsons	<100	-----	-----	-----	<100	<0.50	-----	-----	-----	<0.50	<0.50	<10	-----	-----	-----
WCW-14	04/12/11	Blaine Tech	<50	<100	-----	-----	-----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-14	10/14/11	Parsons	-----	-----	-----	-----	<100	<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	-----	-----	-----	-----	<100	<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

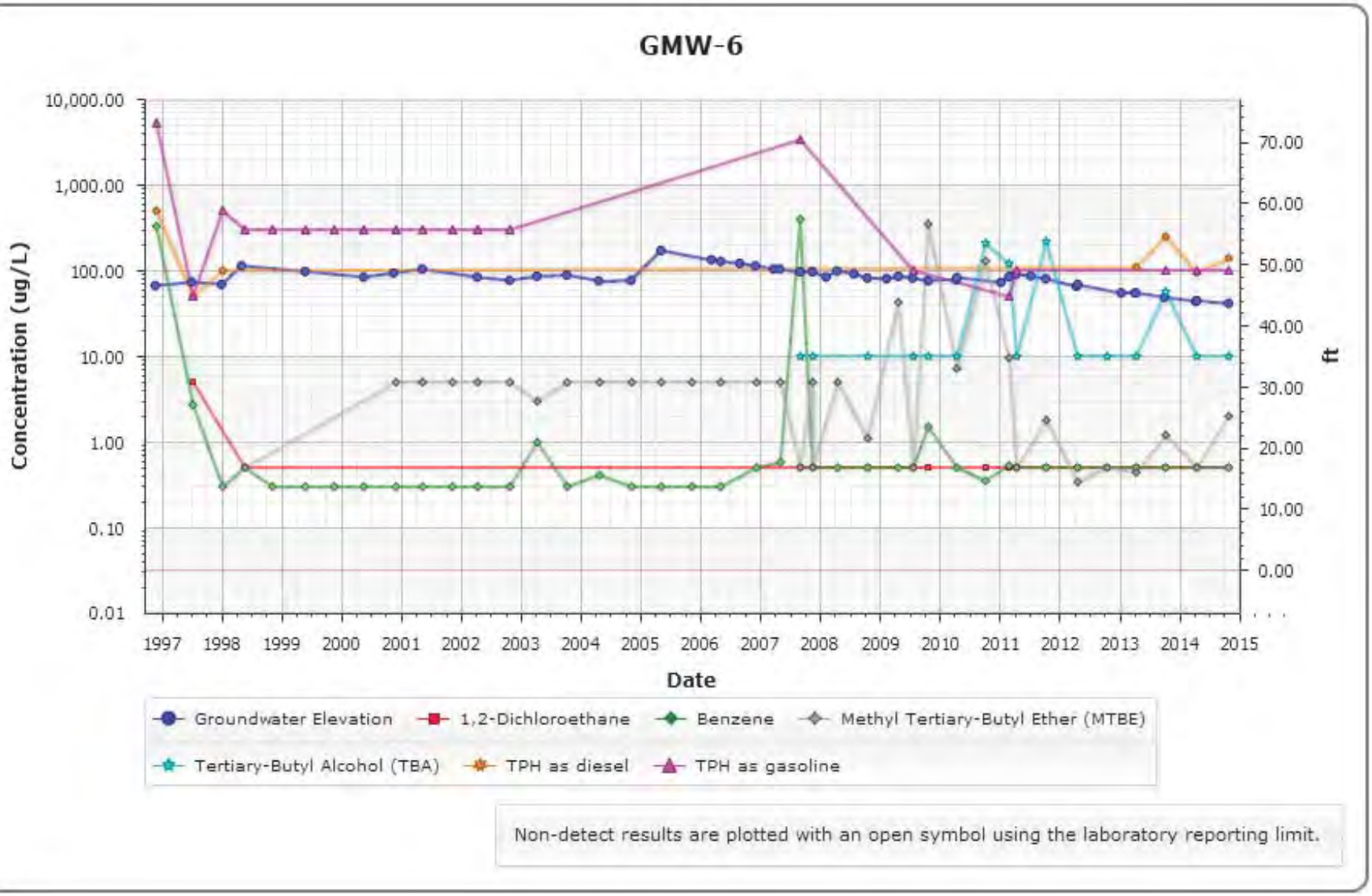
Notes: Detected concentrations are shown in **bold**.
TPH = total petroleum hydrocarbons
BTEX Compounds = benzene, toluene, ethylbenzene, and total xylenes
1,2-DCA = 1,2-dichloroethane
TPH-g = total petroleum hydrocarbons as gasoline
TPH-fp = total petroleum hydrocarbons quantified using a site fuel product standard
TPH-d = total petroleum hydrocarbons as diesel
TPH-JP-4 = total petroleum hydrocarbons as Jet Propellant No.4
TPH-JP-5 = total petroleum hydrocarbons as Jet Propellant No.5
MTBE = methyl tertiary-butyl ether
TBA = tertiary-butyl alcohol
DIPE = diisopropyl ether
ETBE = ethyl tertiary-butyl ether
TAME = tertiary-amyl methyl ether
<100 = not detected at or above the indicated laboratory reporting limit
----- = not analyzed
HD = Chromatographic pattern was inconsistent with the profile of the reference fuel standard.
J = estimated concentration below the laboratory reporting limit

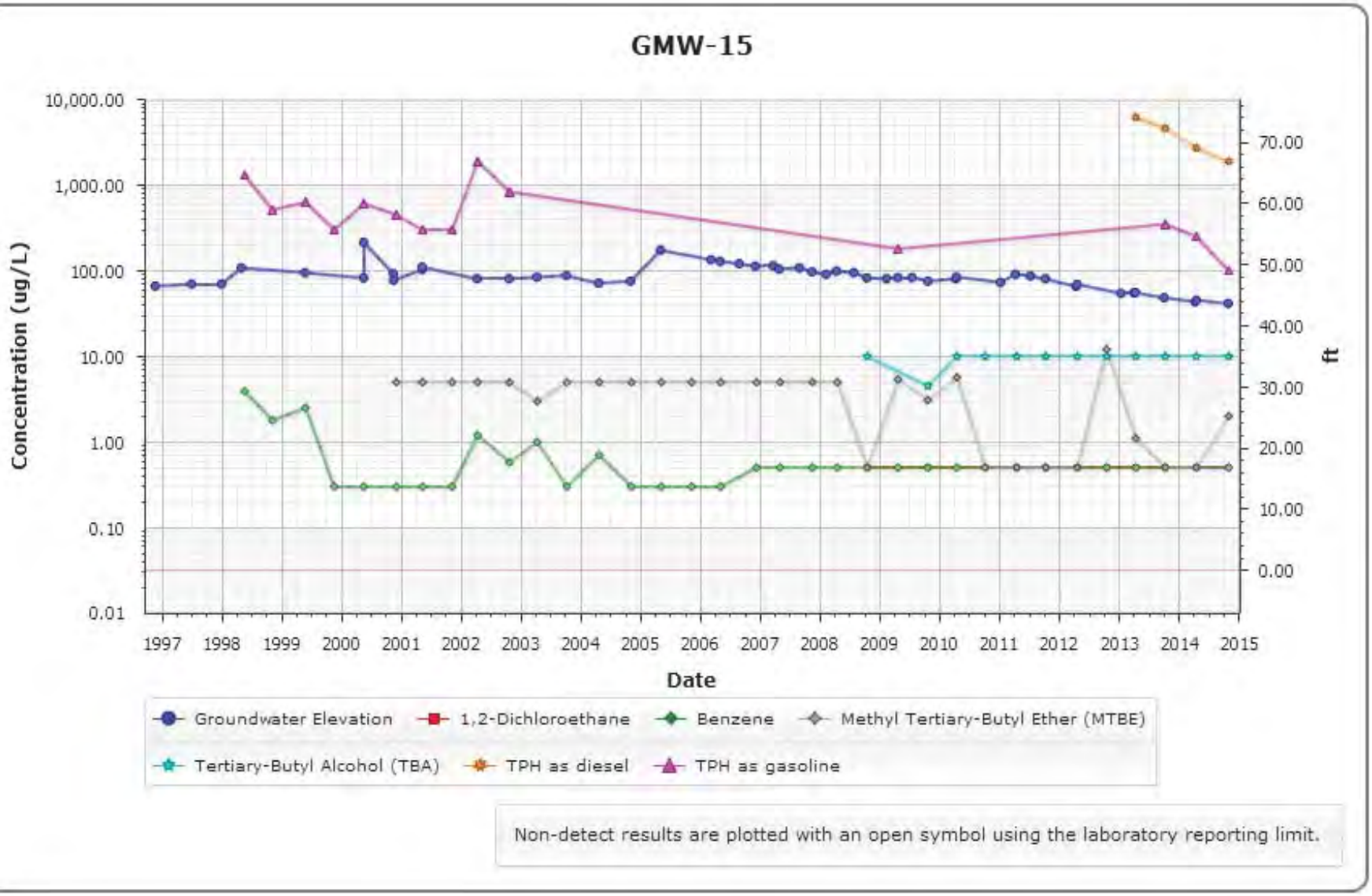
APPENDIX E

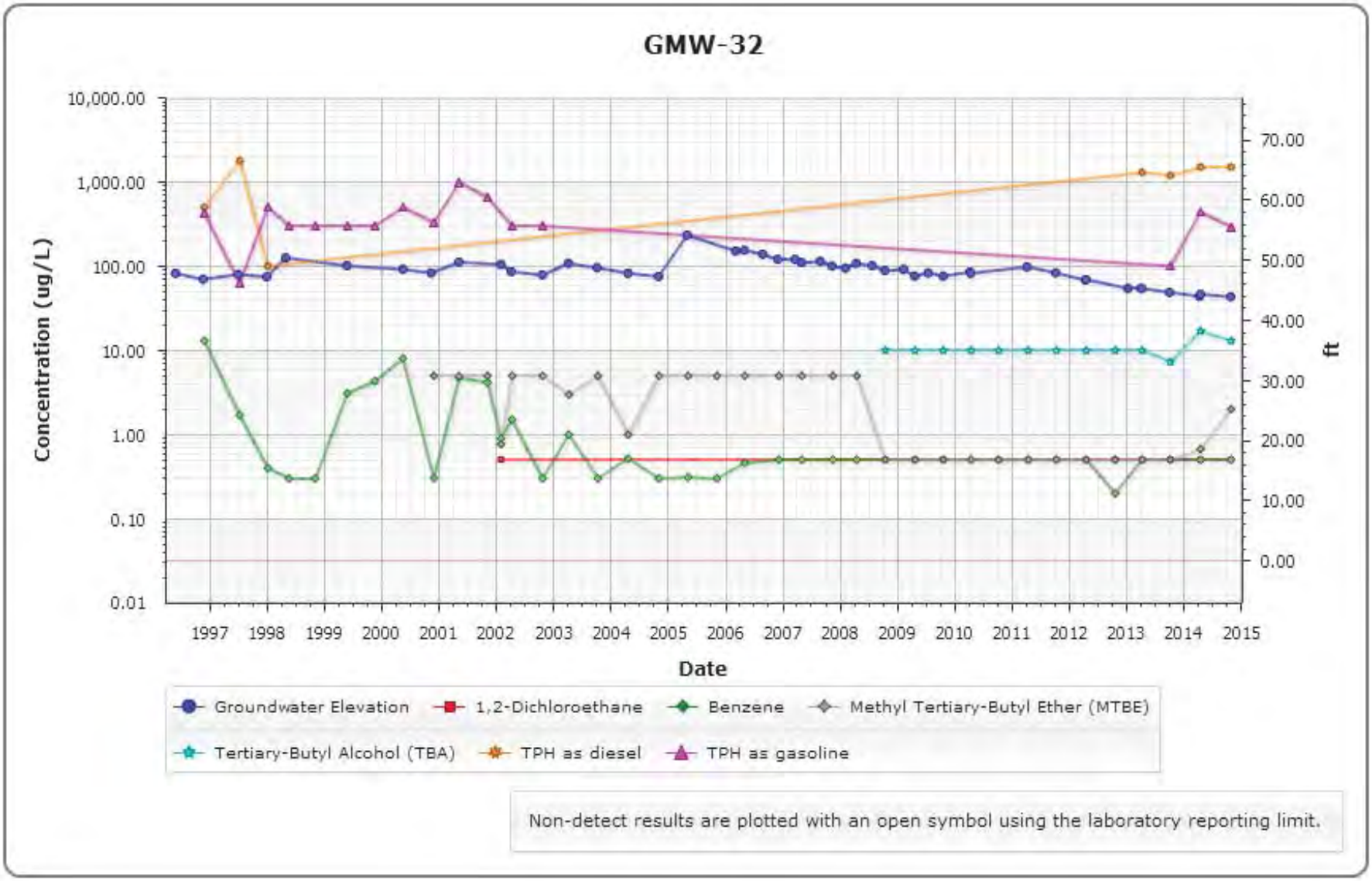
TIME SERIES CHARTS

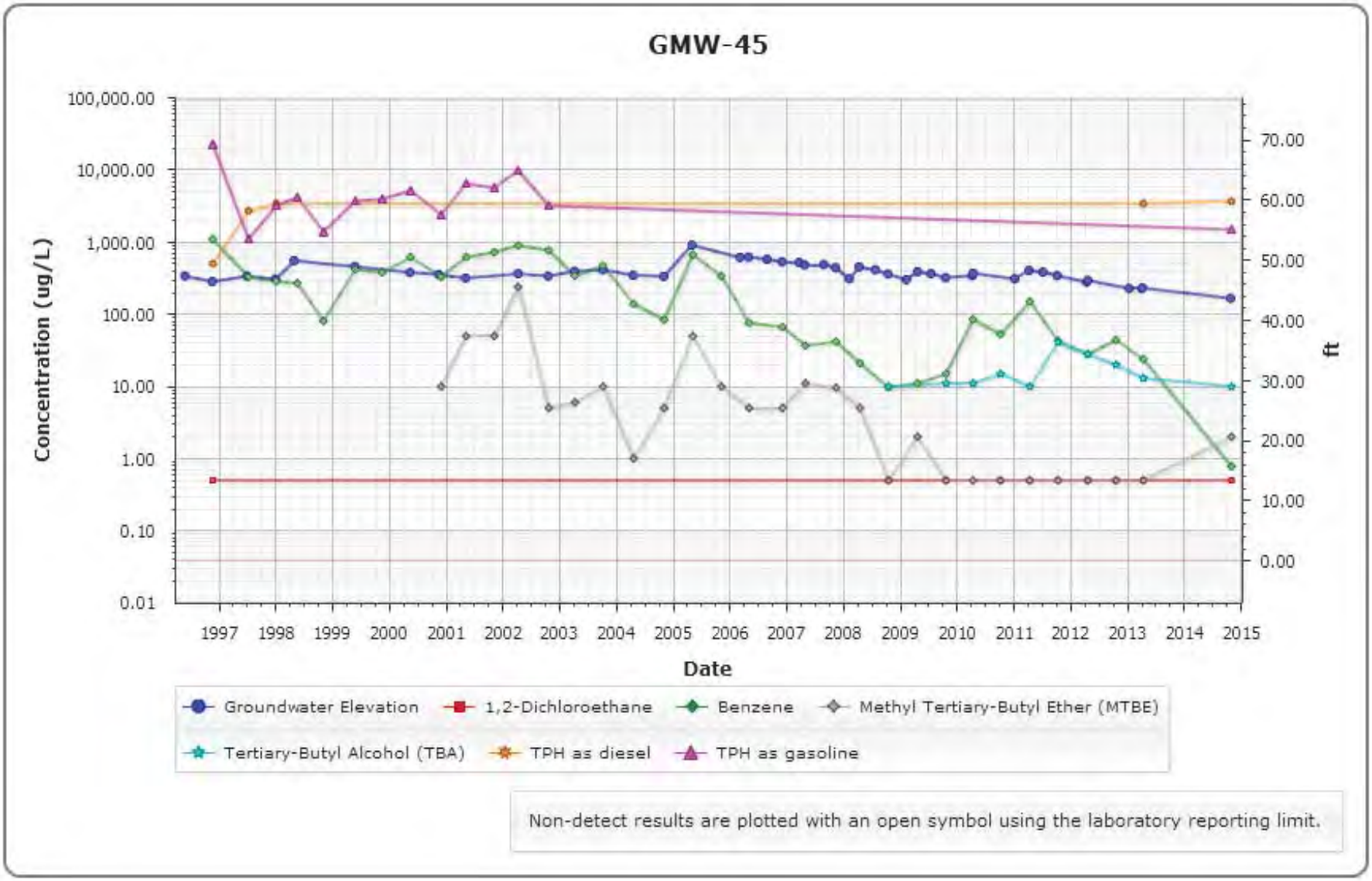
FORMER TANK FARM AREA

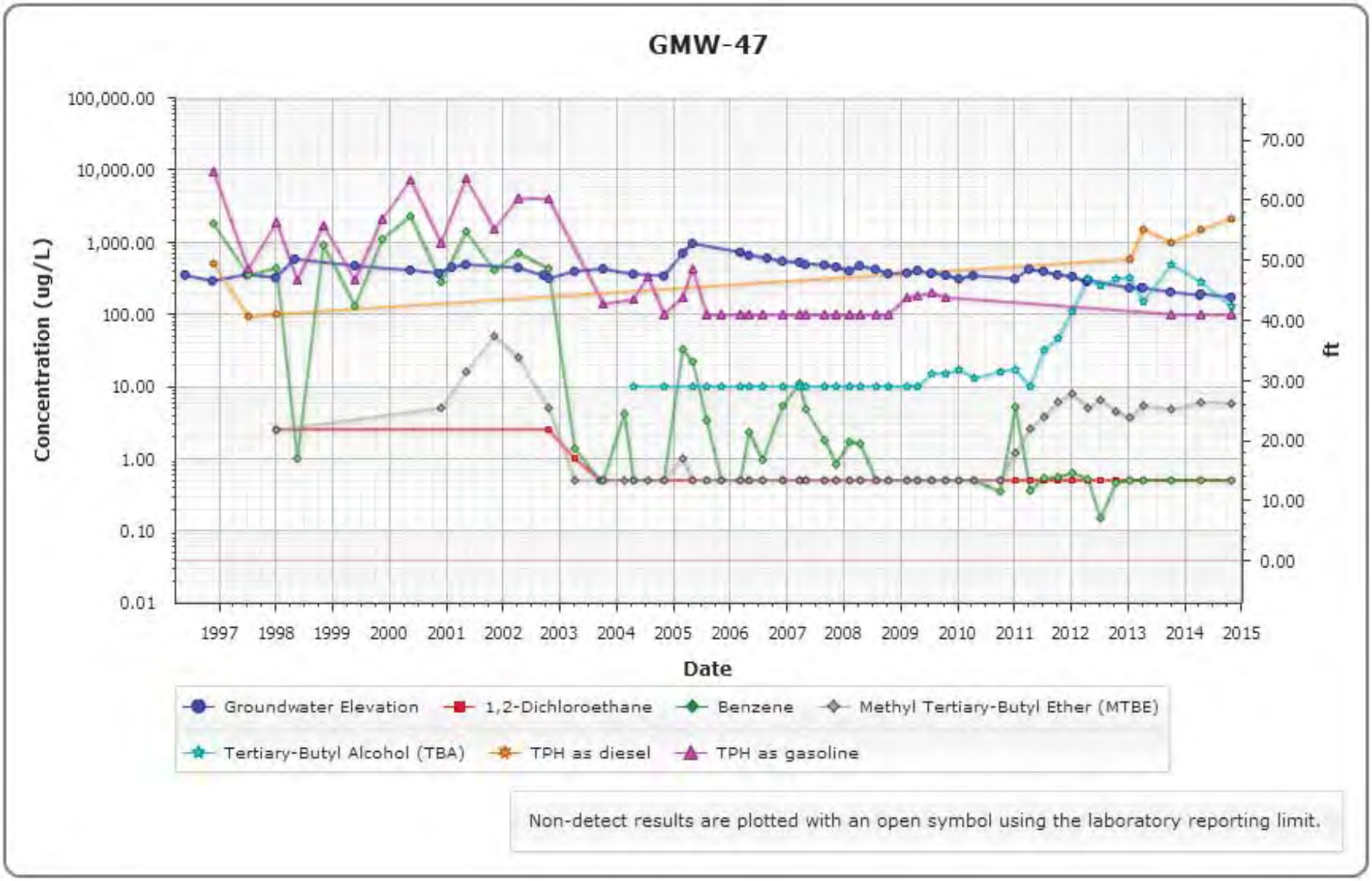
GMW-6, GMW-15, GMW-32, GMW-45, GMW-47, MW-23(MID), AND MW-26

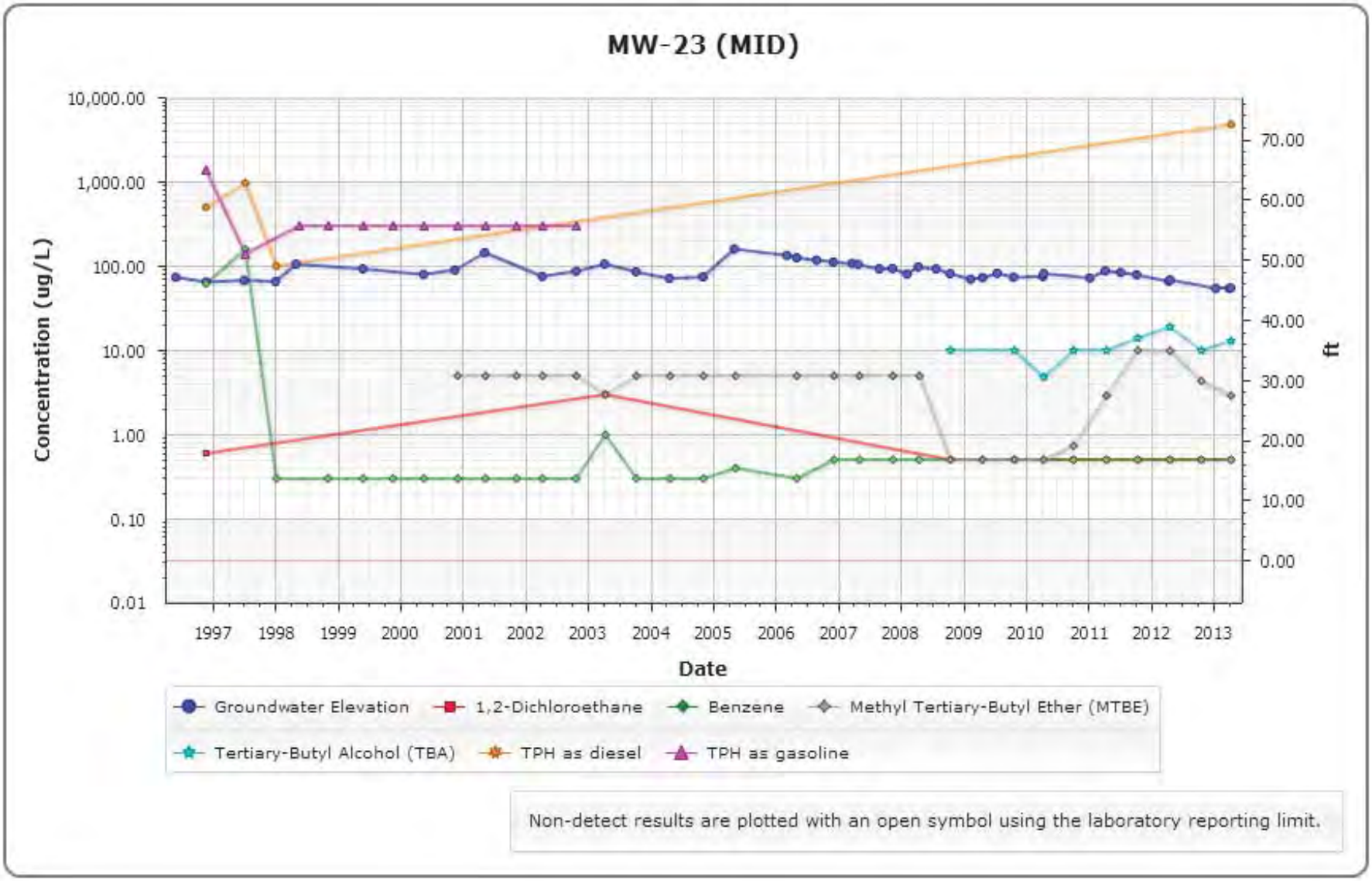

GMW-6
Concentration (ug/L)
10,000.00
1,000.00
100.00
10.00
1.00
0.10
0.01
ft
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
Date
Groundwater Elevation
1,2-Dichloroethane
Benzene
Methyl Tertiary-Butyl Ether (MTBE)
Tertiary-Butyl Alcohol (TBA)
TPH as diesel
TPH as gasoline
Non-detect results are plotted with an open symbol using the laboratory reporting limit.

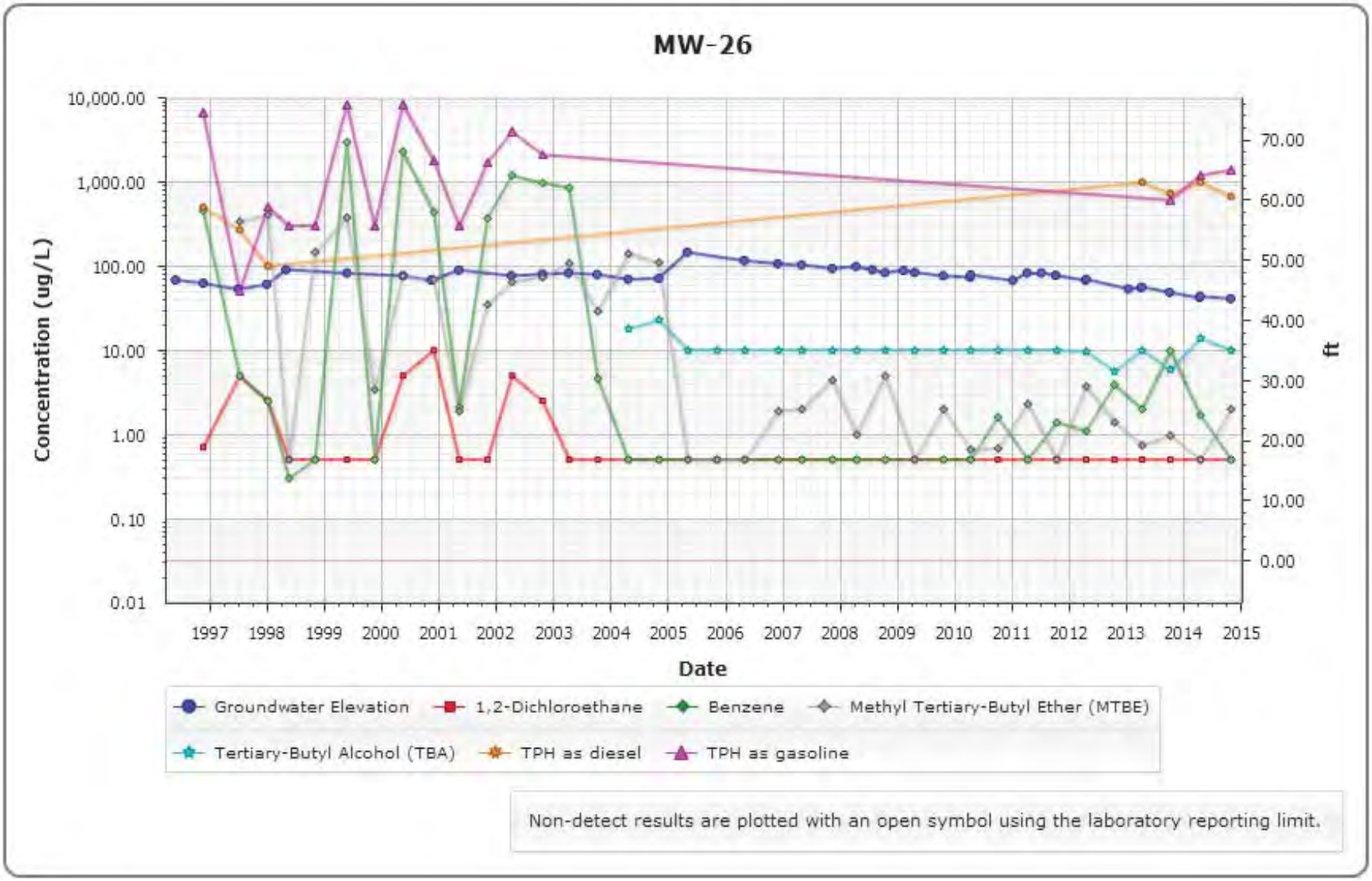

GMW-15
Concentration (ug/L)
10,000.00
1,000.00
100.00
10.00
1.00
0.10
0.01
ft
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
Date
Groundwater Elevation
1,2-Dichloroethane
Benzene
Methyl Tertiary-Butyl Ether (MTBE)
Tertiary-Butyl Alcohol (TBA)
TPH as diesel
TPH as gasoline
Non-detect results are plotted with an open symbol using the laboratory reporting limit.


GMW-32
Concentration (ug/L)
10,000.00
1,000.00
100.00
10.00
1.00
0.10
0.01
ft
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
Date
Groundwater Elevation
1,2-Dichloroethane
Benzene
Methyl Tertiary-Butyl Ether (MTBE)
Tertiary-Butyl Alcohol (TBA)
TPH as diesel
TPH as gasoline
Non-detect results are plotted with an open symbol using the laboratory reporting limit.


GMW-45
Concentration (ug/L)
100,000.00
10,000.00
1,000.00
100.00
10.00
1.00
0.10
0.01
ft
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
Date
Groundwater Elevation
1,2-Dichloroethane
Benzene
Methyl Tertiary-Butyl Ether (MTBE)
Tertiary-Butyl Alcohol (TBA)
TPH as diesel
TPH as gasoline
Non-detect results are plotted with an open symbol using the laboratory reporting limit.

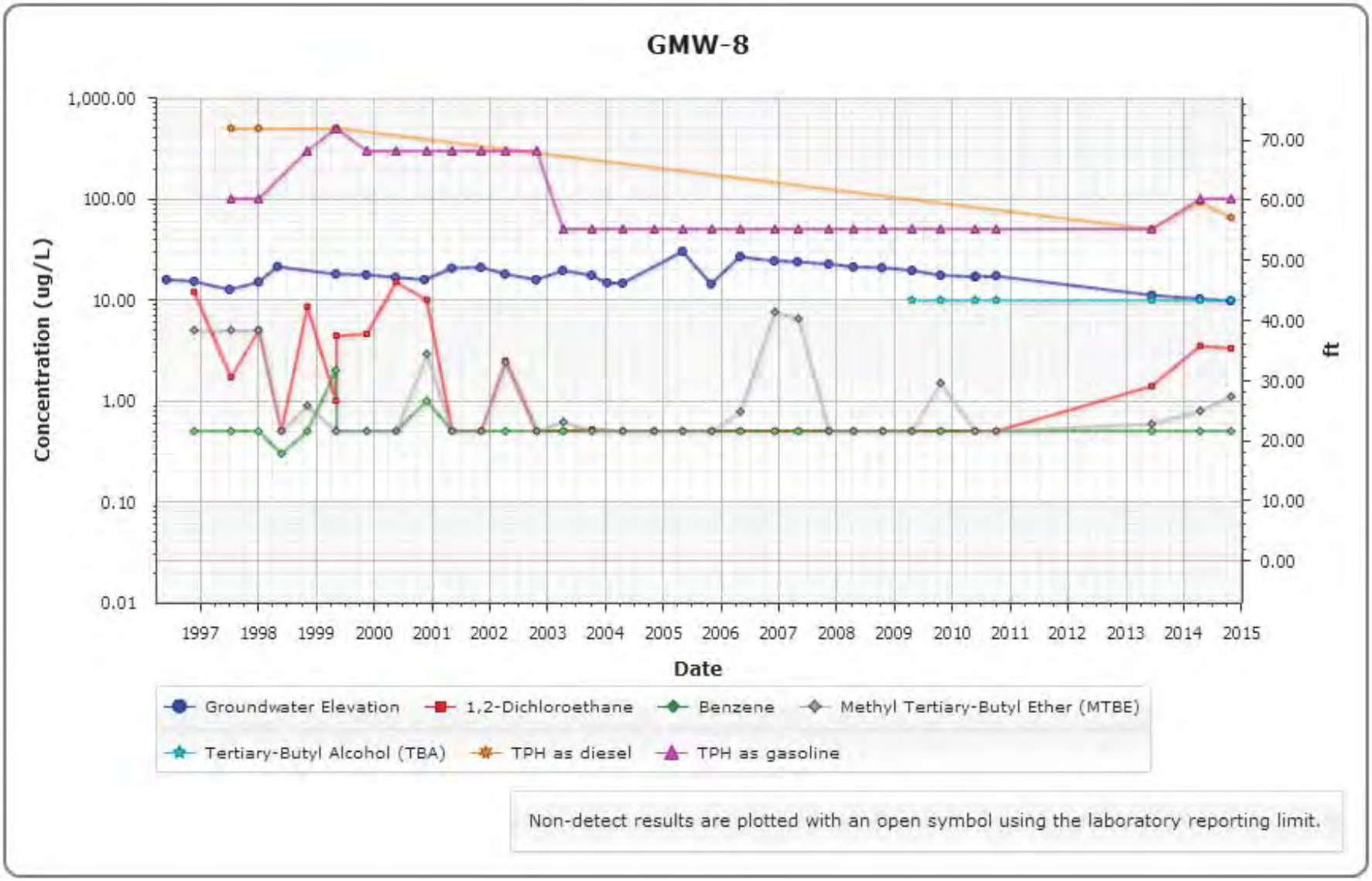

GMW-47
Concentration (ug/L)
100,000.00
10,000.00
1,000.00
100.00
10.00
1.00
0.10
0.01
ft
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
Date
Groundwater Elevation
1,2-Dichloroethane
Benzene
Methyl Tertiary-Butyl Ether (MTBE)
Tertiary-Butyl Alcohol (TBA)
TPH as diesel
TPH as gasoline
Non-detect results are plotted with an open symbol using the laboratory reporting limit.

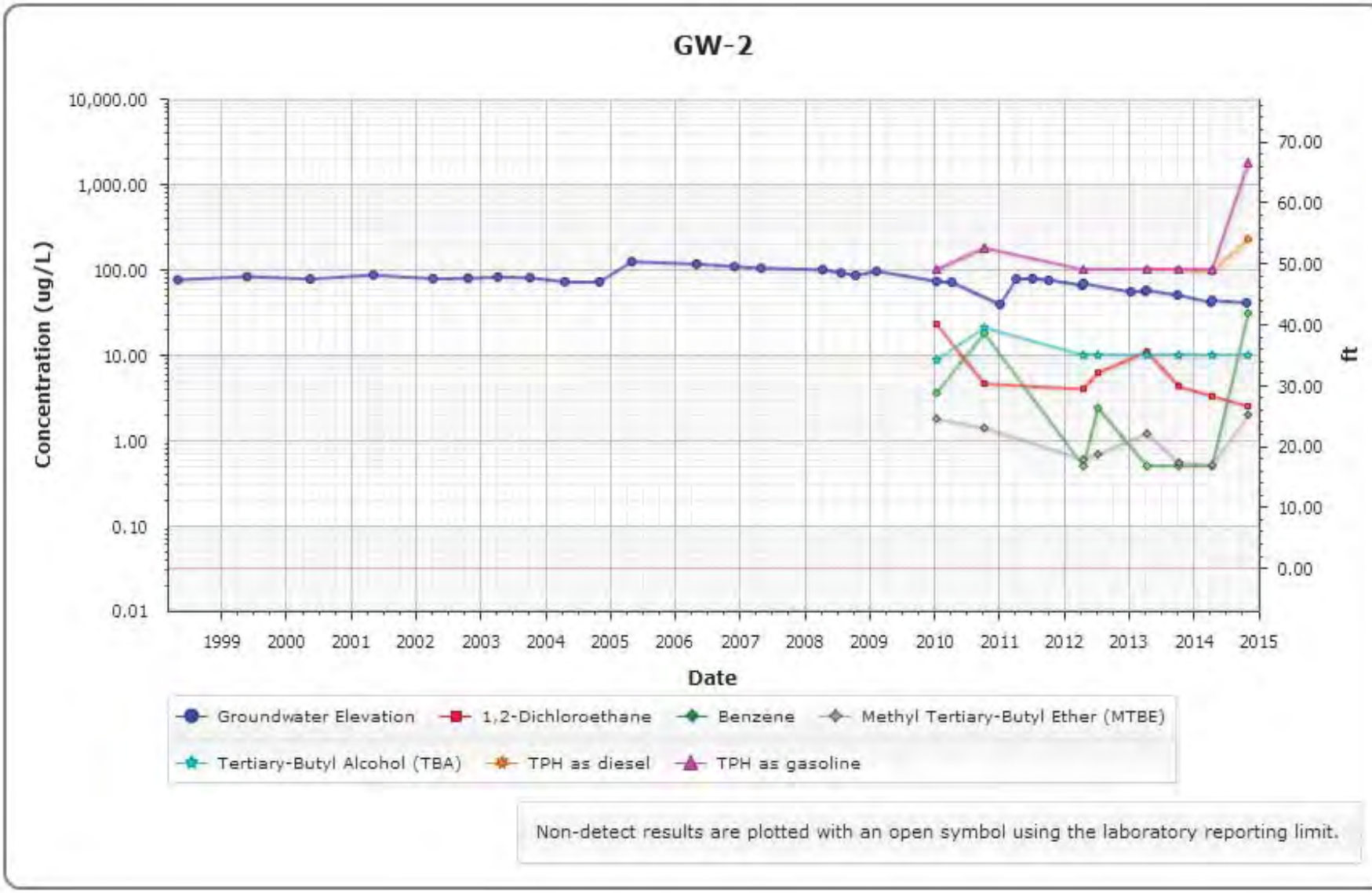

MW-23 (MID)
Concentration (ug/L)
10,000.00
1,000.00
100.00
10.00
1.00
0.10
0.01
ft
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
Date
Groundwater Elevation
1,2-Dichloroethane
Benzene
Methyl Tertiary-Butyl Ether (MTBE)
Tertiary-Butyl Alcohol (TBA)
TPH as diesel
TPH as gasoline
Non-detect results are plotted with an open symbol using the laboratory reporting limit.

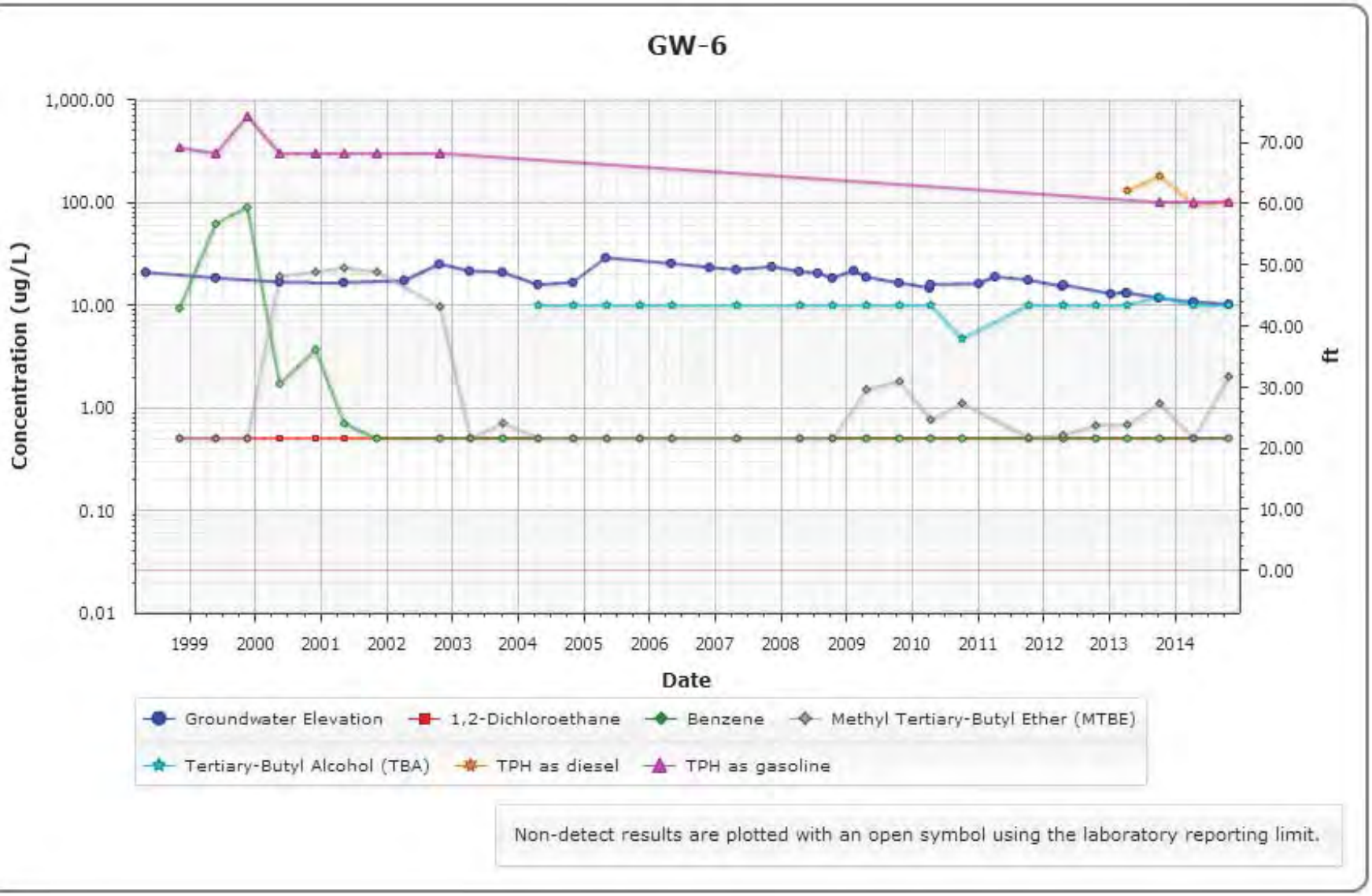

MW-26
Concentration (ug/L)
10,000.00
1,000.00
100.00
10.00
1.00
0.10
0.01
ft
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
Date
Groundwater Elevation
1,2-Dichloroethane
Benzene
Methyl Tertiary-Butyl Ether (MTBE)
Tertiary-Butyl Alcohol (TBA)
TPH as diesel
TPH as gasoline
Non-detect results are plotted with an open symbol using the laboratory reporting limit.

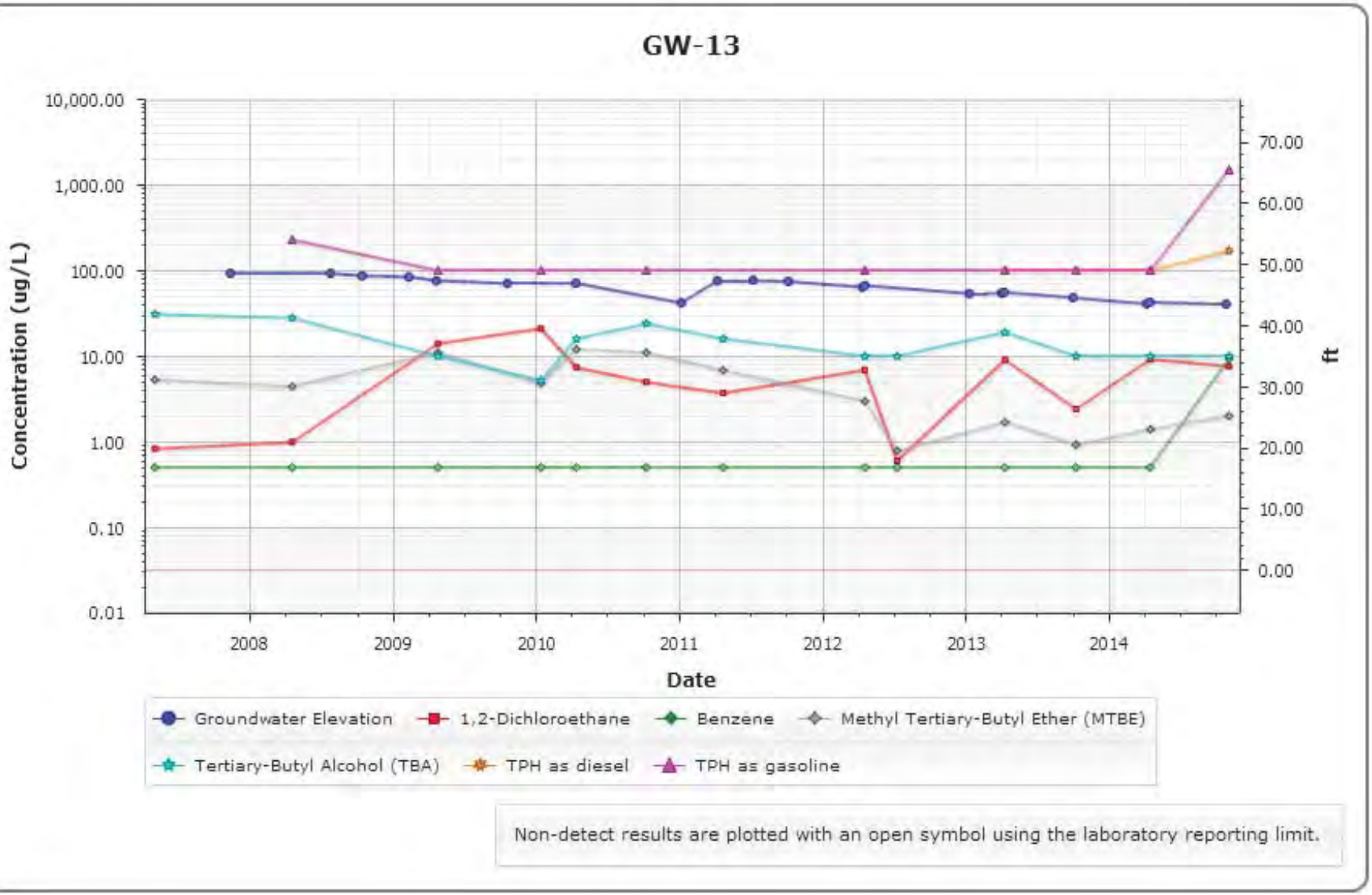
WESTERN AREA

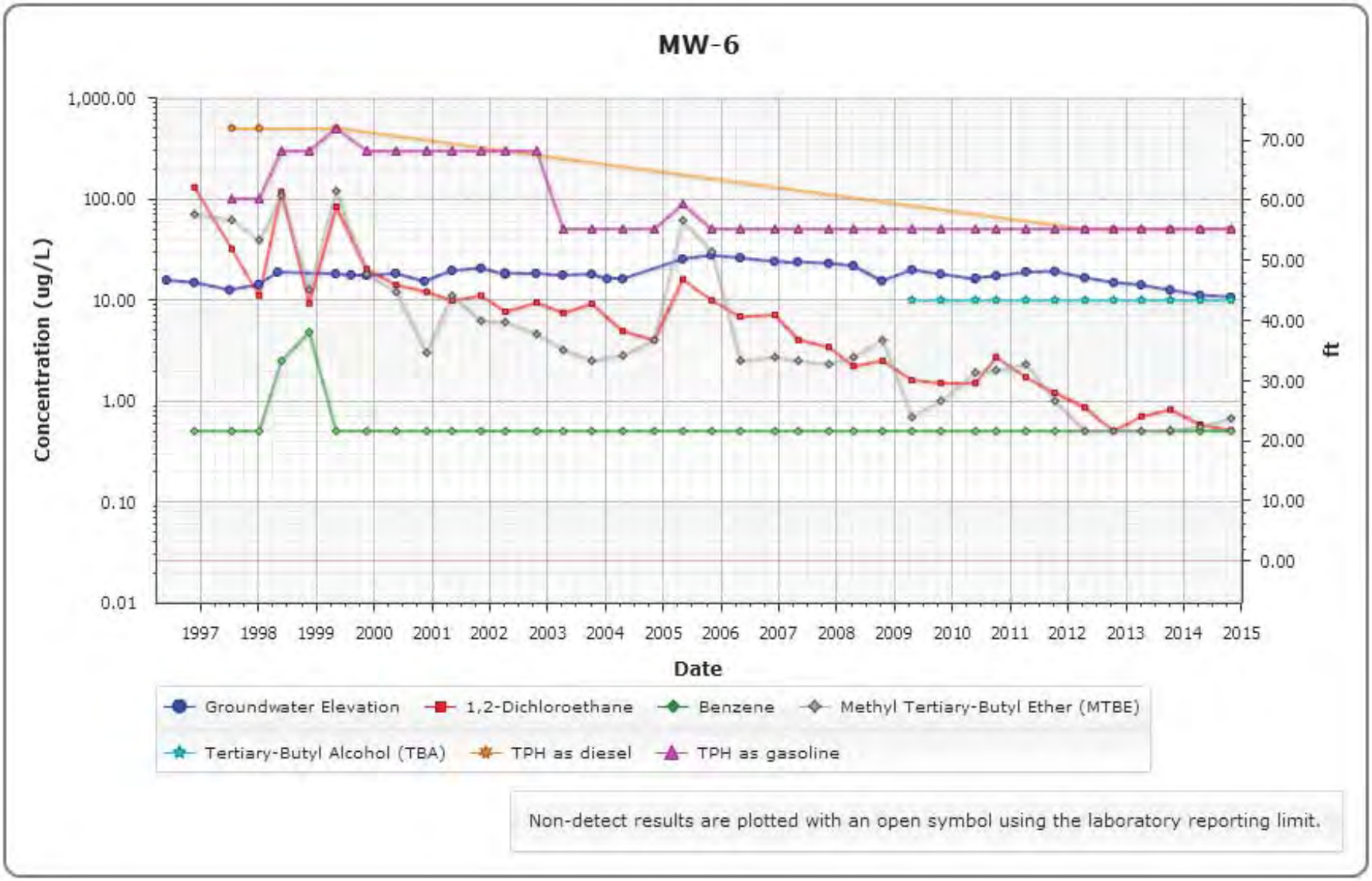
GMW-8, GW-2, GW-6, GW-13, MW-6, MW-7, MW-22(MID), MW-26, WCW-3, AND WCW-7

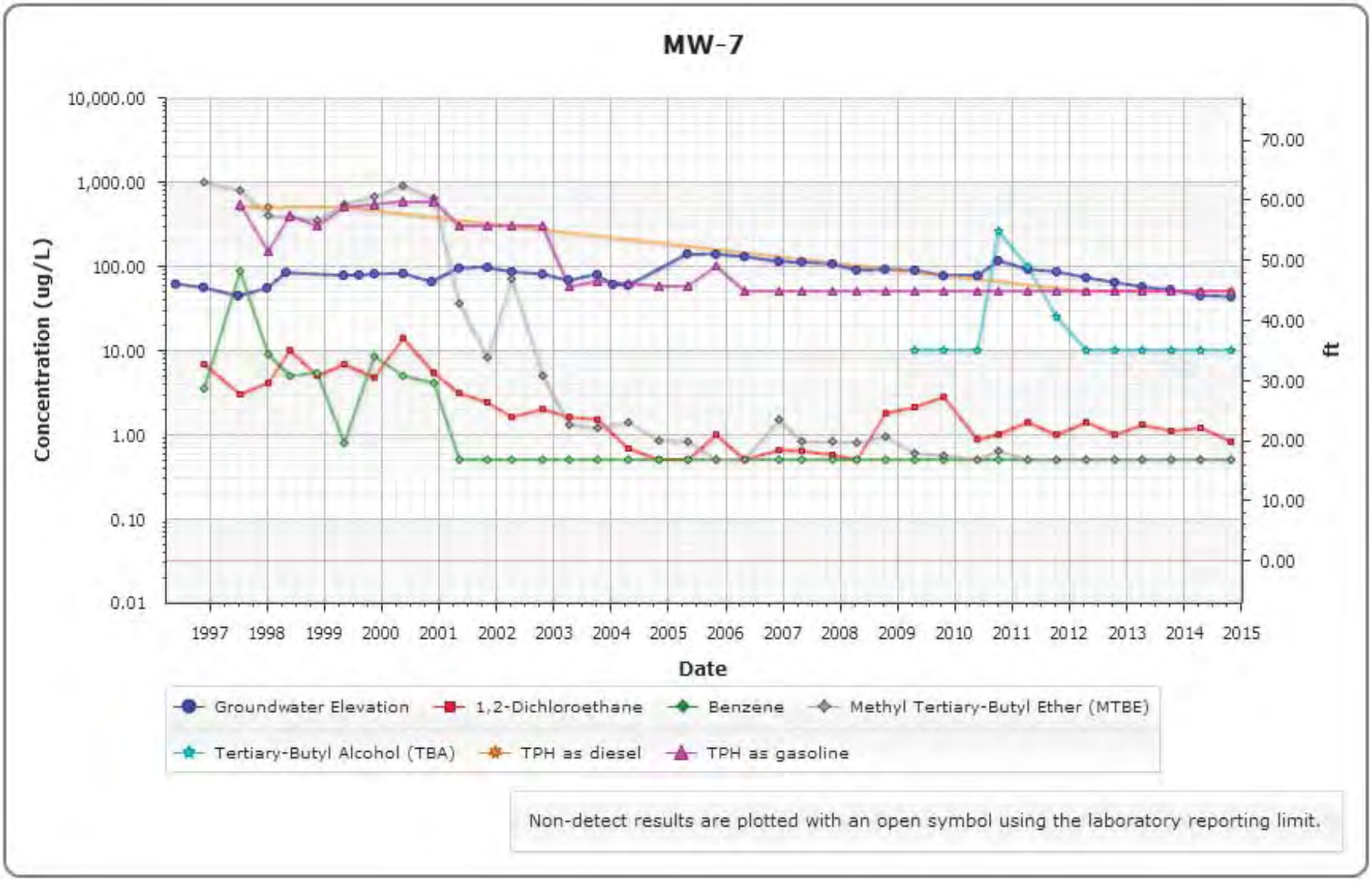

GMW-8
Concentration (ug/L)
1,000.00
100.00
10.00
1.00
0.10
0.01
ft
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
Date
Groundwater Elevation
1,2-Dichloroethane
Benzene
Methyl Tertiary-Butyl Ether (MTBE)
Tertiary-Butyl Alcohol (TBA)
TPH as diesel
TPH as gasoline
Non-detect results are plotted with an open symbol using the laboratory reporting limit.

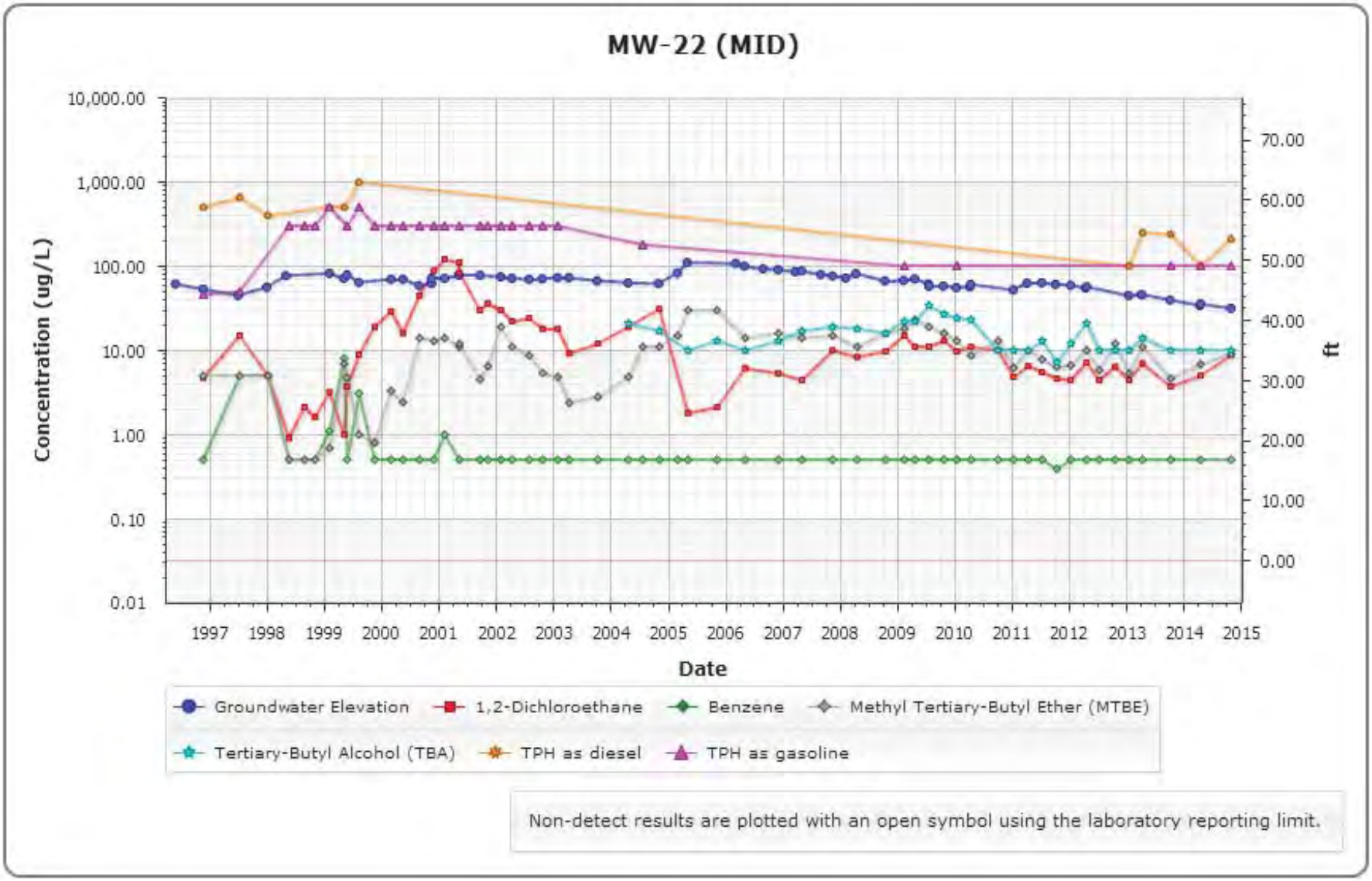

GW-2
Concentration (ug/L)
10,000.00
1,000.00
100.00
10.00
1.00
0.10
0.01
ft
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
Date
Groundwater Elevation
1,2-Dichloroethane
Benzene
Methyl Tertiary-Butyl Ether (MTBE)
Tertiary-Butyl Alcohol (TBA)
TPH as diesel
TPH as gasoline
Non-detect results are plotted with an open symbol using the laboratory reporting limit.

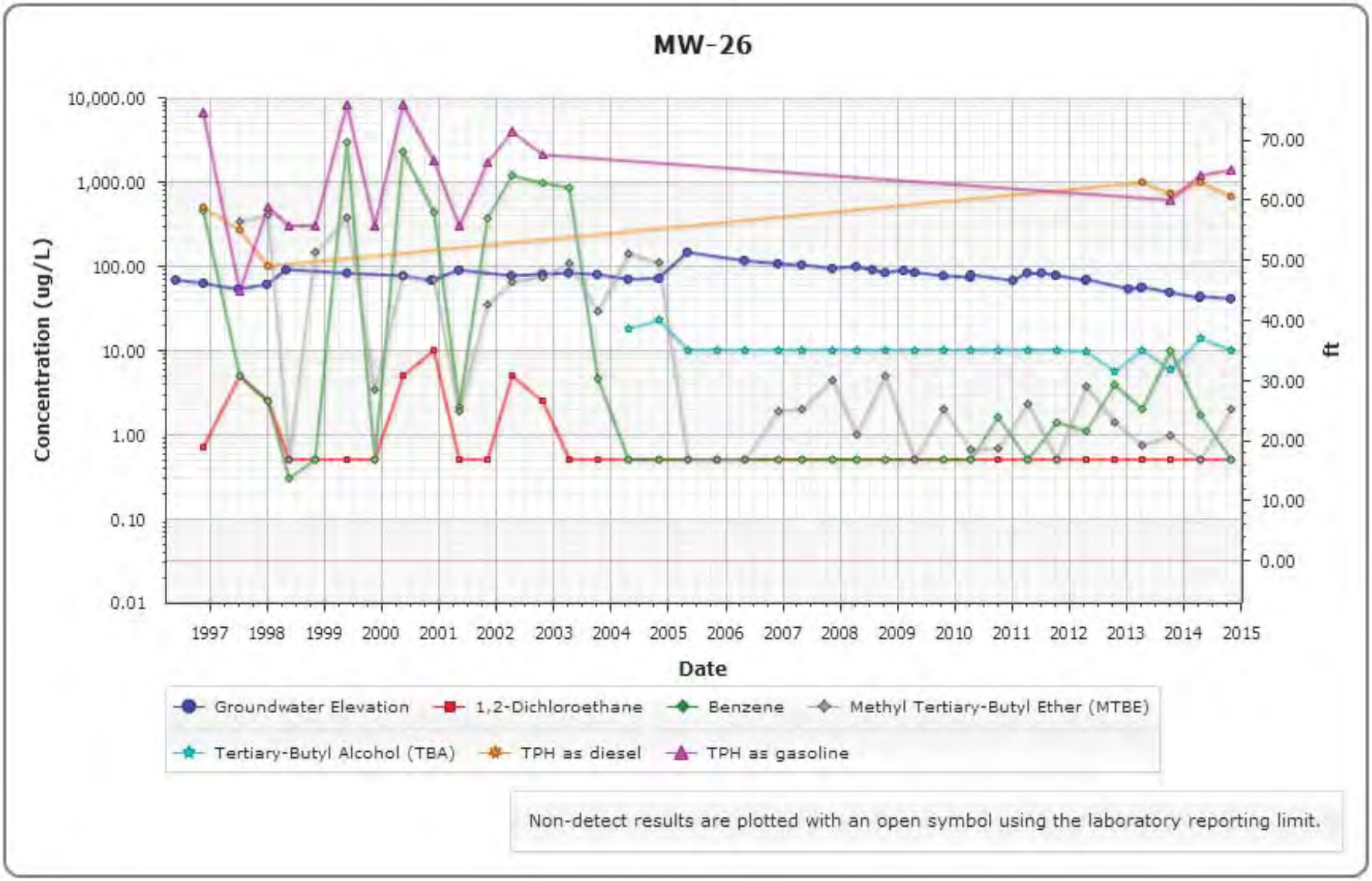

GW-6
Concentration (ug/L)
1,000.00
100.00
10.00
1.00
0.10
0.01
ft
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
Date
Groundwater Elevation
1,2-Dichloroethane
Benzene
Methyl Tertiary-Butyl Ether (MTBE)
Tertiary-Butyl Alcohol (TBA)
TPH as diesel
TPH as gasoline
Non-detect results are plotted with an open symbol using the laboratory reporting limit.

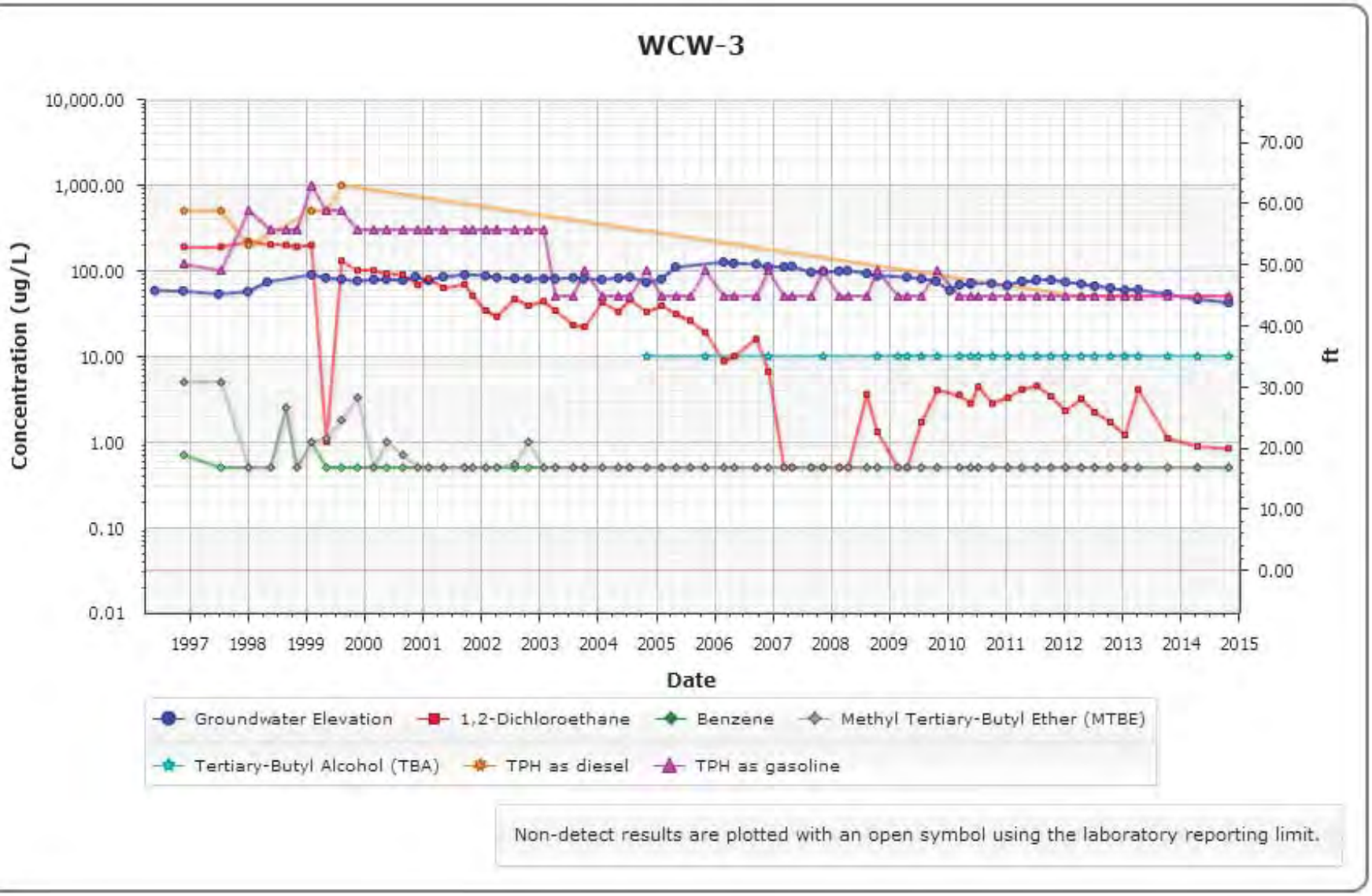

GW-13
Concentration (ug/L)
10,000.00
1,000.00
100.00
10.00
1.00
0.10
0.01
ft
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
2008
2009
2010
2011
2012
2013
2014
Date
Groundwater Elevation
1,2-Dichloroethane
Benzene
Methyl Tertiary-Butyl Ether (MTBE)
Tertiary-Butyl Alcohol (TBA)
TPH as diesel
TPH as gasoline
Non-detect results are plotted with an open symbol using the laboratory reporting limit.

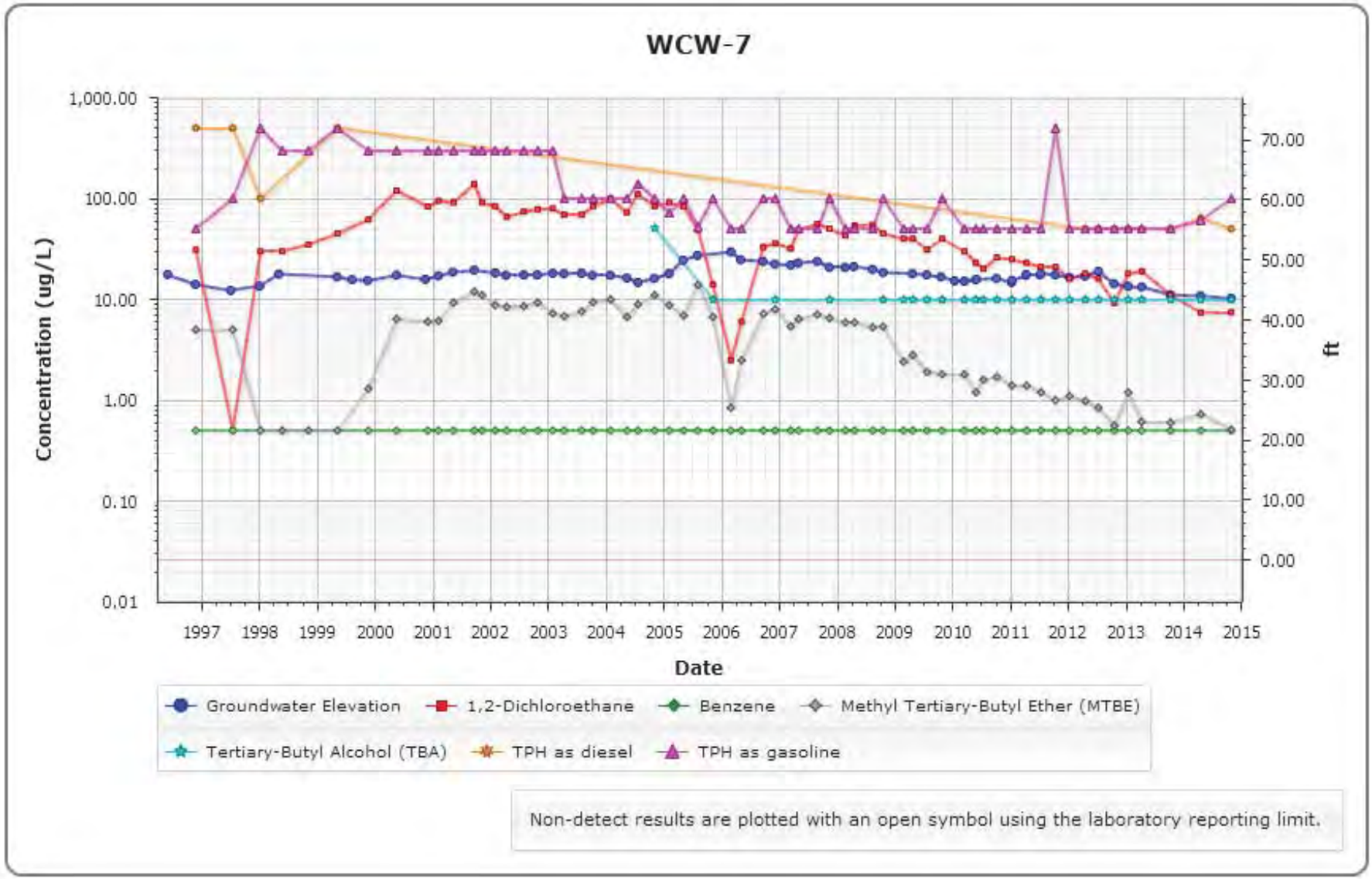

MW-6
Concentration (ug/L)
1,000.00
100.00
10.00
1.00
0.10
0.01
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
ft
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
Date
Groundwater Elevation
1,2-Dichloroethane
Benzene
Methyl Tertiary-Butyl Ether (MTBE)
Tertiary-Butyl Alcohol (TBA)
TPH as diesel
TPH as gasoline
Non-detect results are plotted with an open symbol using the laboratory reporting limit.


MW-7
Concentration (ug/L)
10,000.00
1,000.00
100.00
10.00
1.00
0.10
0.01
ft
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
Date
Groundwater Elevation
1,2-Dichloroethane
Benzene
Methyl Tertiary-Butyl Ether (MTBE)
Tertiary-Butyl Alcohol (TBA)
TPH as diesel
TPH as gasoline
Non-detect results are plotted with an open symbol using the laboratory reporting limit.


MW-22 (MID)
Concentration (ug/L)
10,000.00
1,000.00
100.00
10.00
1.00
0.10
0.01
ft
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
Date
Groundwater Elevation
1,2-Dichloroethane
Benzene
Methyl Tertiary-Butyl Ether (MTBE)
Tertiary-Butyl Alcohol (TBA)
TPH as diesel
TPH as gasoline
Non-detect results are plotted with an open symbol using the laboratory reporting limit.

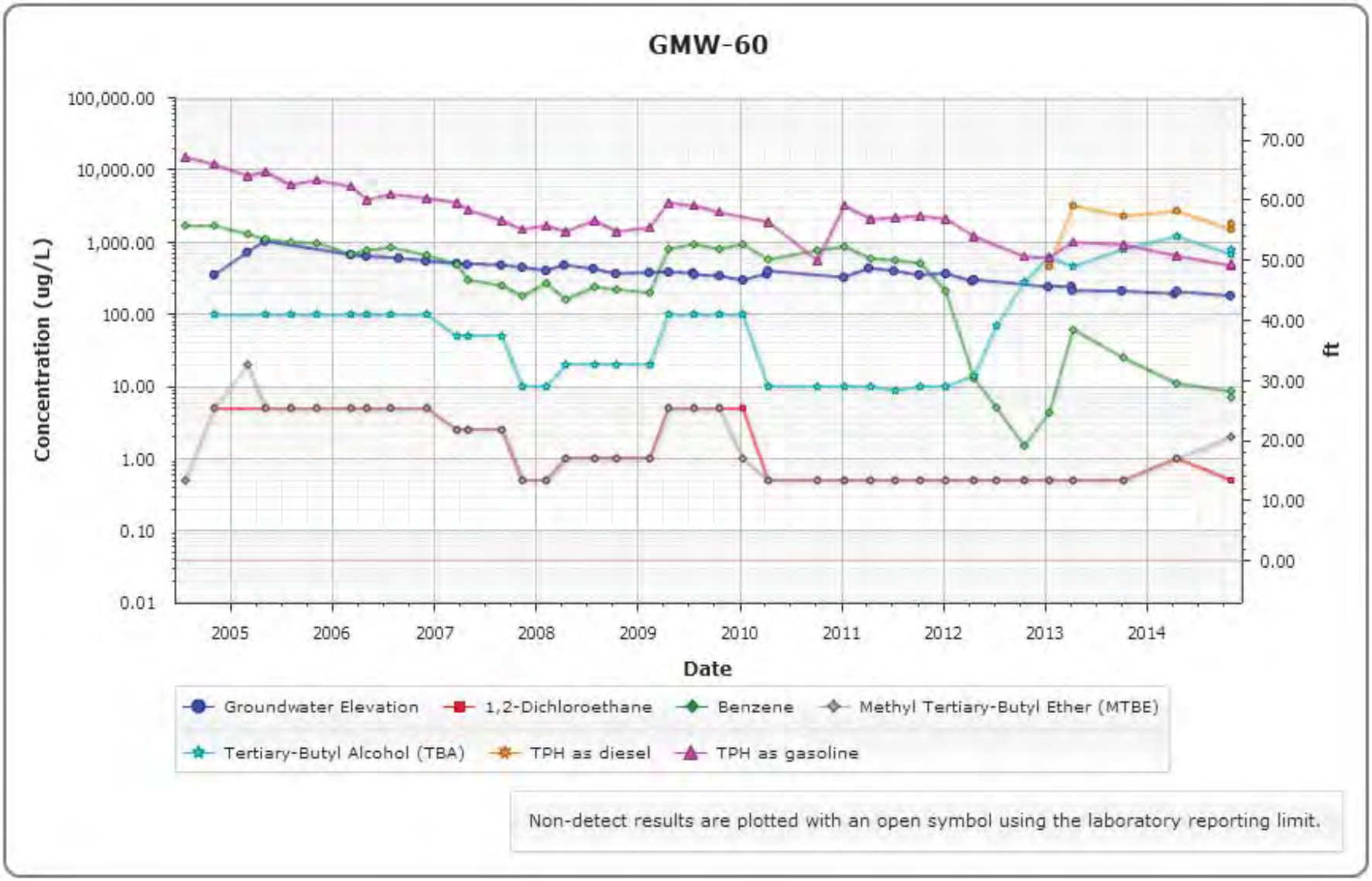

MW-26
Concentration (ug/L)
10,000.00
1,000.00
100.00
10.00
1.00
0.10
0.01
ft
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
Date
Groundwater Elevation
1,2-Dichloroethane
Benzene
Methyl Tertiary-Butyl Ether (MTBE)
Tertiary-Butyl Alcohol (TBA)
TPH as diesel
TPH as gasoline
Non-detect results are plotted with an open symbol using the laboratory reporting limit.

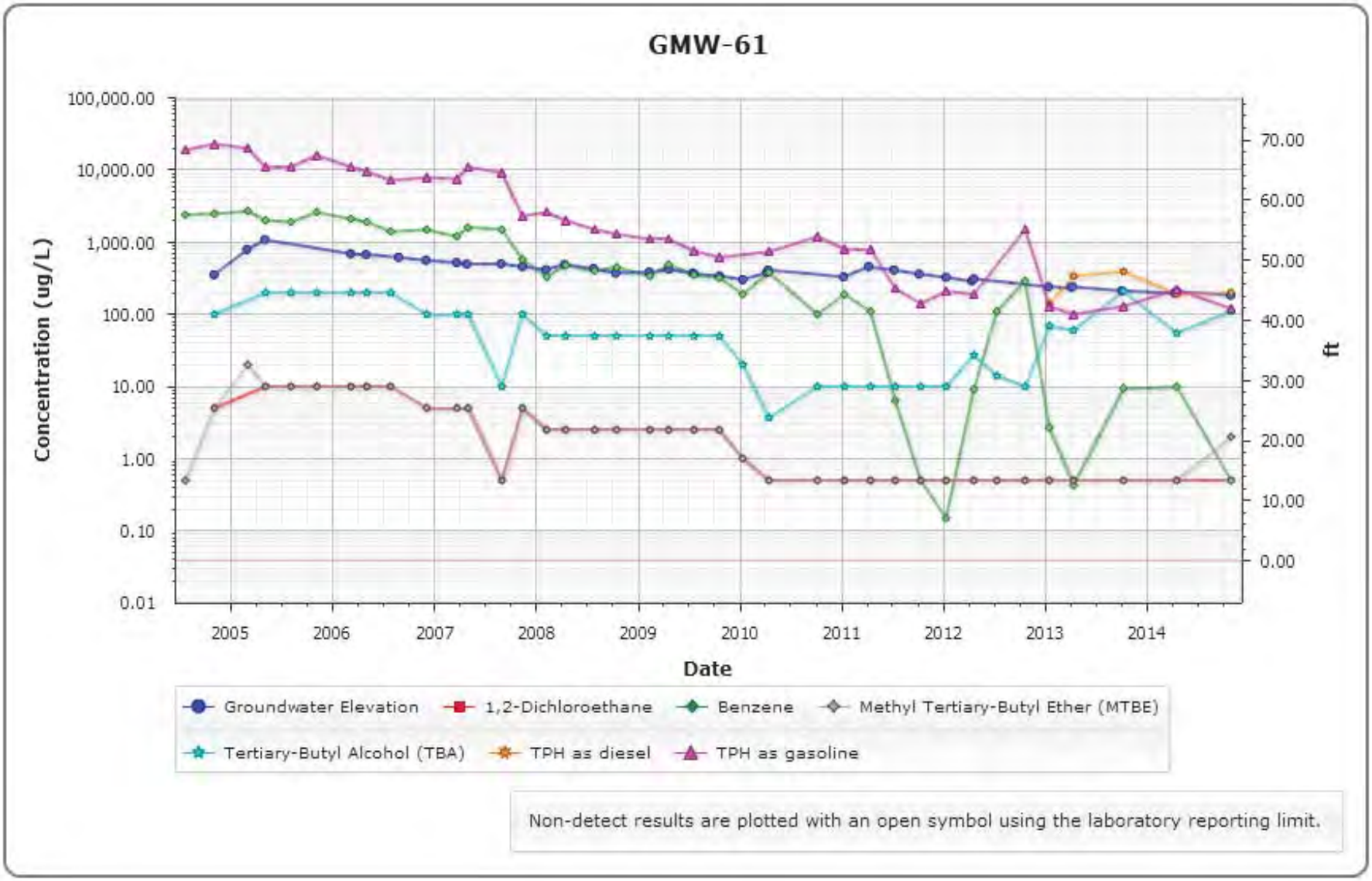

WCW-3
Concentration (ug/L)
10,000.00
1,000.00
100.00
10.00
1.00
0.10
0.01
ft
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
Date
Groundwater Elevation
1,2-Dichloroethane
Benzene
Methyl Tertiary-Butyl Ether (MTBE)
Tertiary-Butyl Alcohol (TBA)
TPH as diesel
TPH as gasoline
Non-detect results are plotted with an open symbol using the laboratory reporting limit.

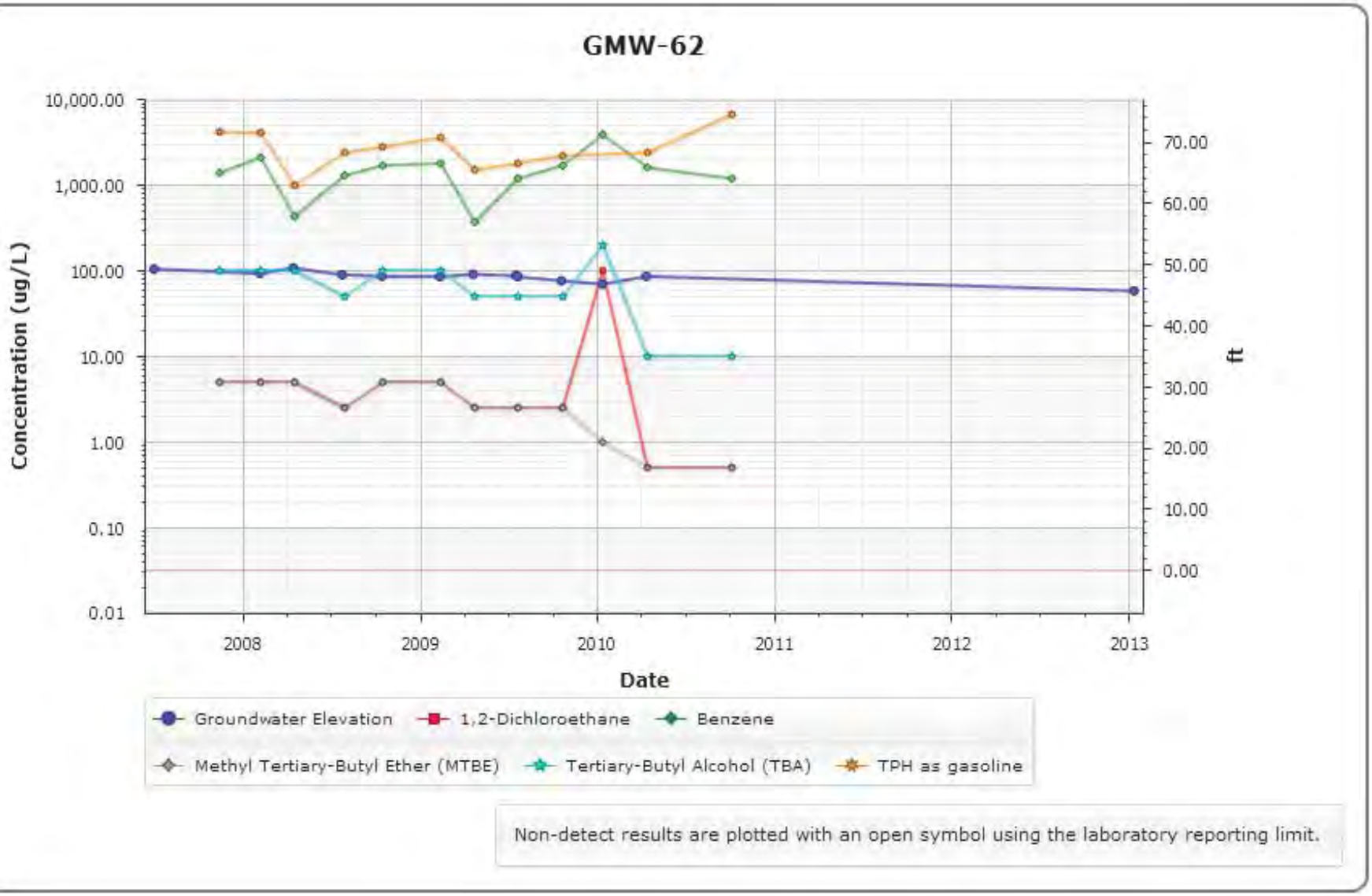

WCW-7
Concentration (ug/L)
1,000.00
100.00
10.00
1.00
0.10
0.01
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
ft
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
Date
Groundwater Elevation
1,2-Dichloroethane
Benzene
Methyl Tertiary-Butyl Ether (MTBE)
Tertiary-Butyl Alcohol (TBA)
TPH as diesel
TPH as gasoline
Non-detect results are plotted with an open symbol using the laboratory reporting limit.

NORTHEAST ON-SITE/HOLIFIELD PARK AREAS

GMW-60, GMW-61, AND GMW-62

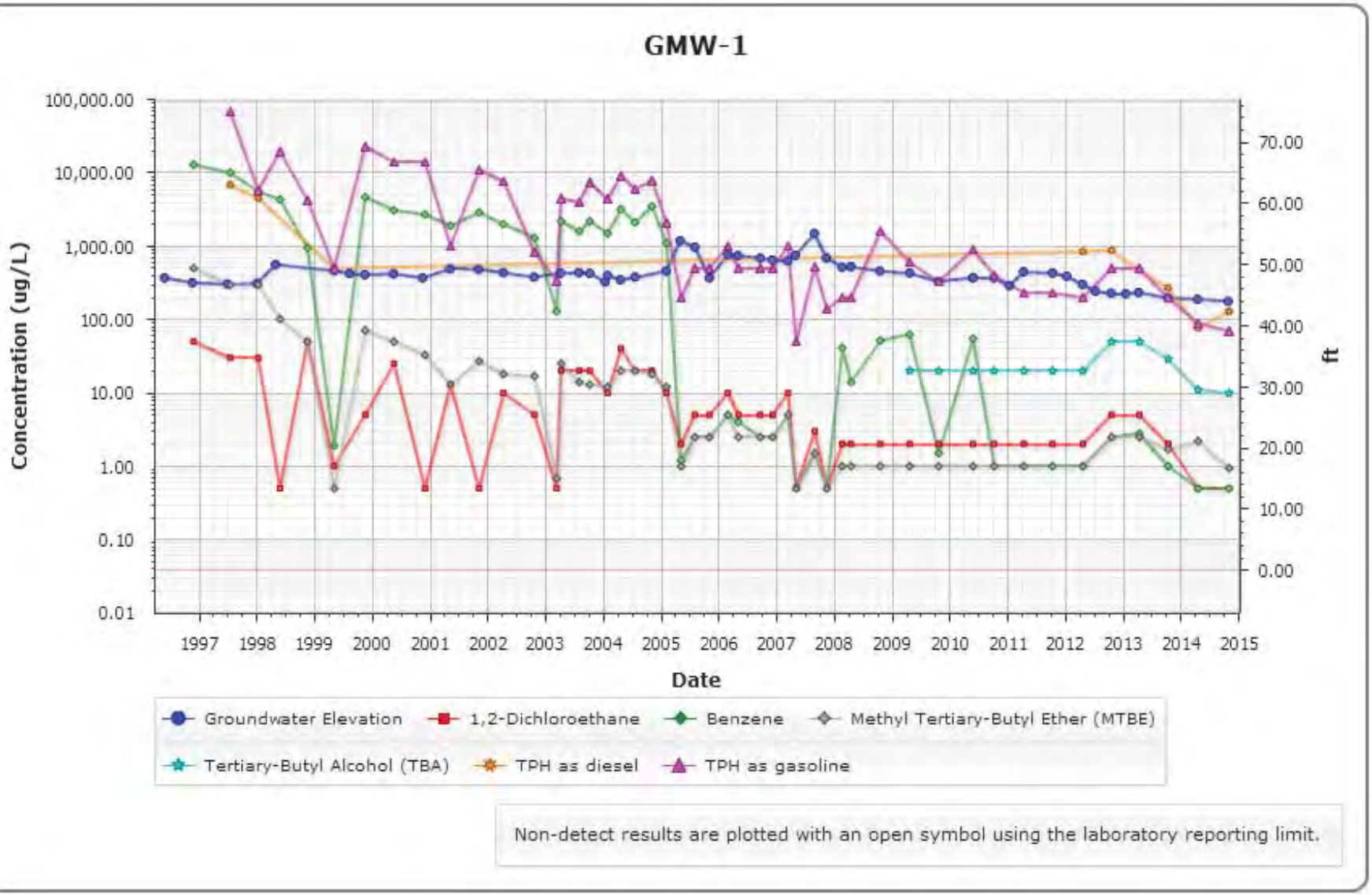

GMW-60
Concentration (ug/L)
100,000.00
10,000.00
1,000.00
100.00
10.00
1.00
0.10
0.01
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
ft
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
Date
Groundwater Elevation
1,2-Dichloroethane
Benzene
Methyl Tertiary-Butyl Ether (MTBE)
Tertiary-Butyl Alcohol (TBA)
TPH as diesel
TPH as gasoline
Non-detect results are plotted with an open symbol using the laboratory reporting limit.

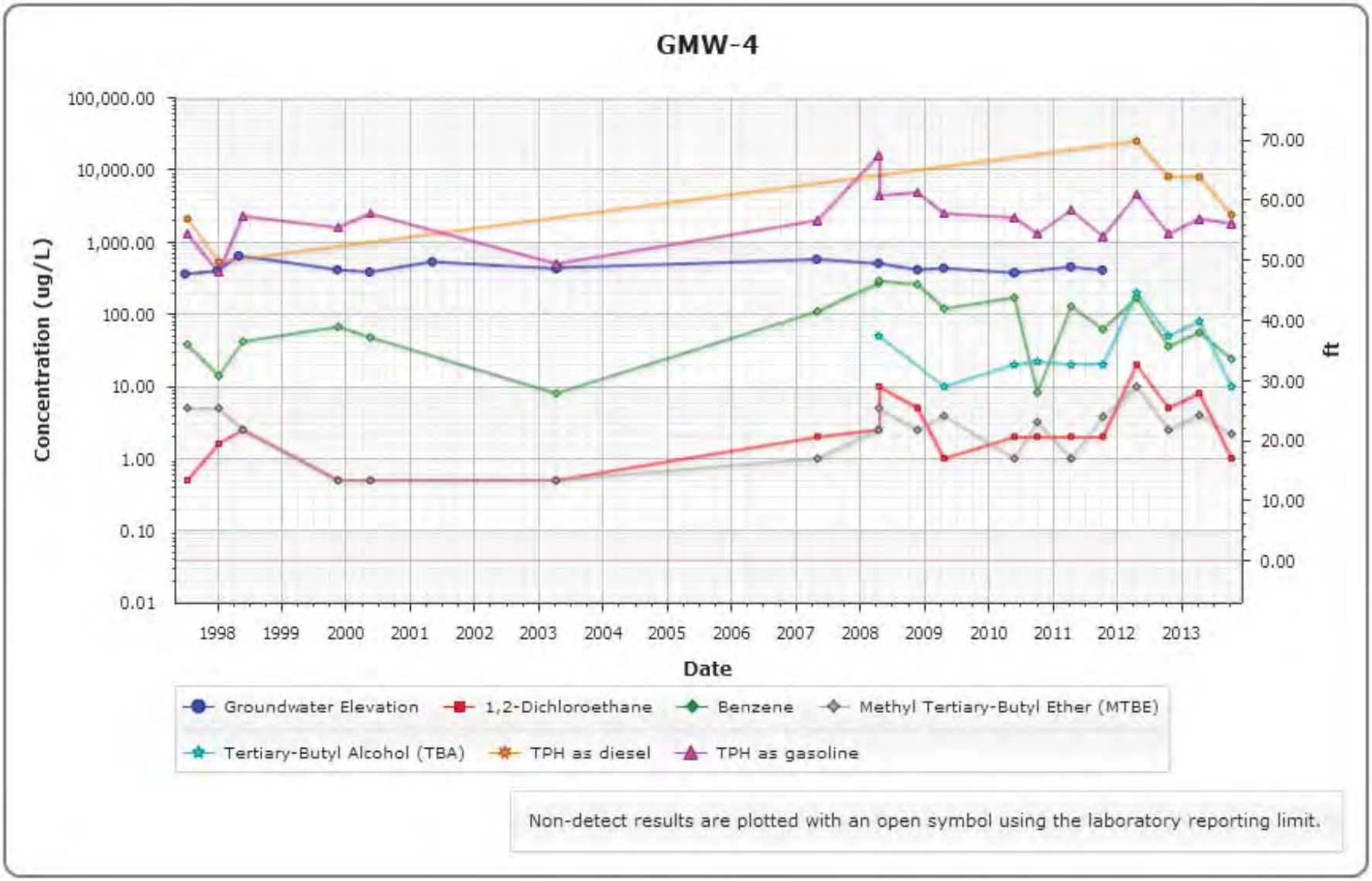

GMW-61
Concentration (ug/L)
100,000.00
10,000.00
1,000.00
100.00
10.00
1.00
0.10
0.01
ft
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
Date
Groundwater Elevation
1,2-Dichloroethane
Benzene
Methyl Tertiary-Butyl Ether (MTBE)
Tertiary-Butyl Alcohol (TBA)
TPH as diesel
TPH as gasoline
Non-detect results are plotted with an open symbol using the laboratory reporting limit.

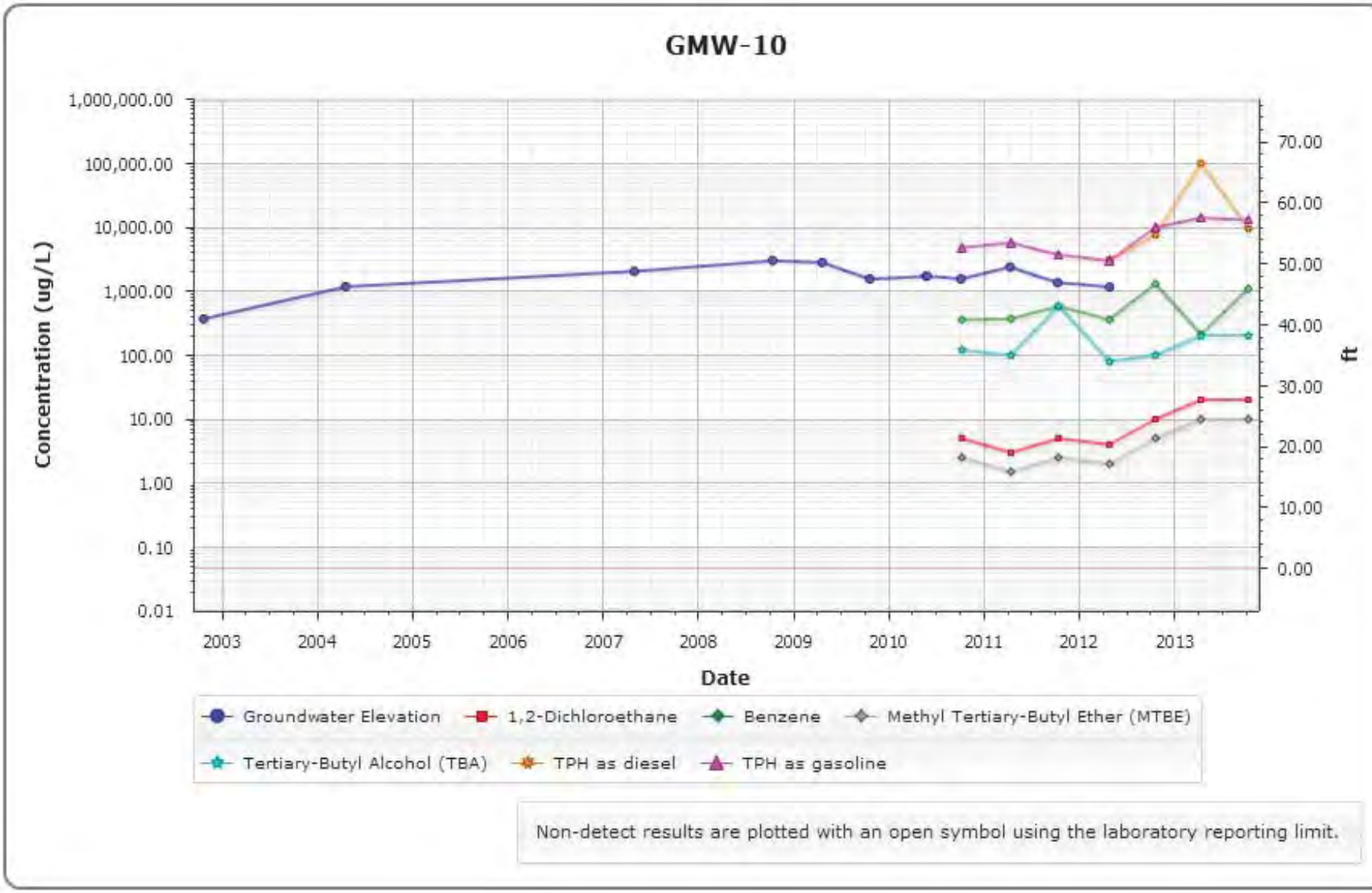

GMW-62
10,000.00
1,000.00
100.00
10.00
1.00
0.10
0.01
Concentration (ug/L)
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
ft
2008
2009
2010
2011
2012
2013
Date
Groundwater Elevation
1,2-Dichloroethane
Benzene
Methyl Tertiary-Butyl Ether (MTBE)
Tertiary-Butyl Alcohol (TBA)
TPH as gasoline
Non-detect results are plotted with an open symbol using the laboratory reporting limit.

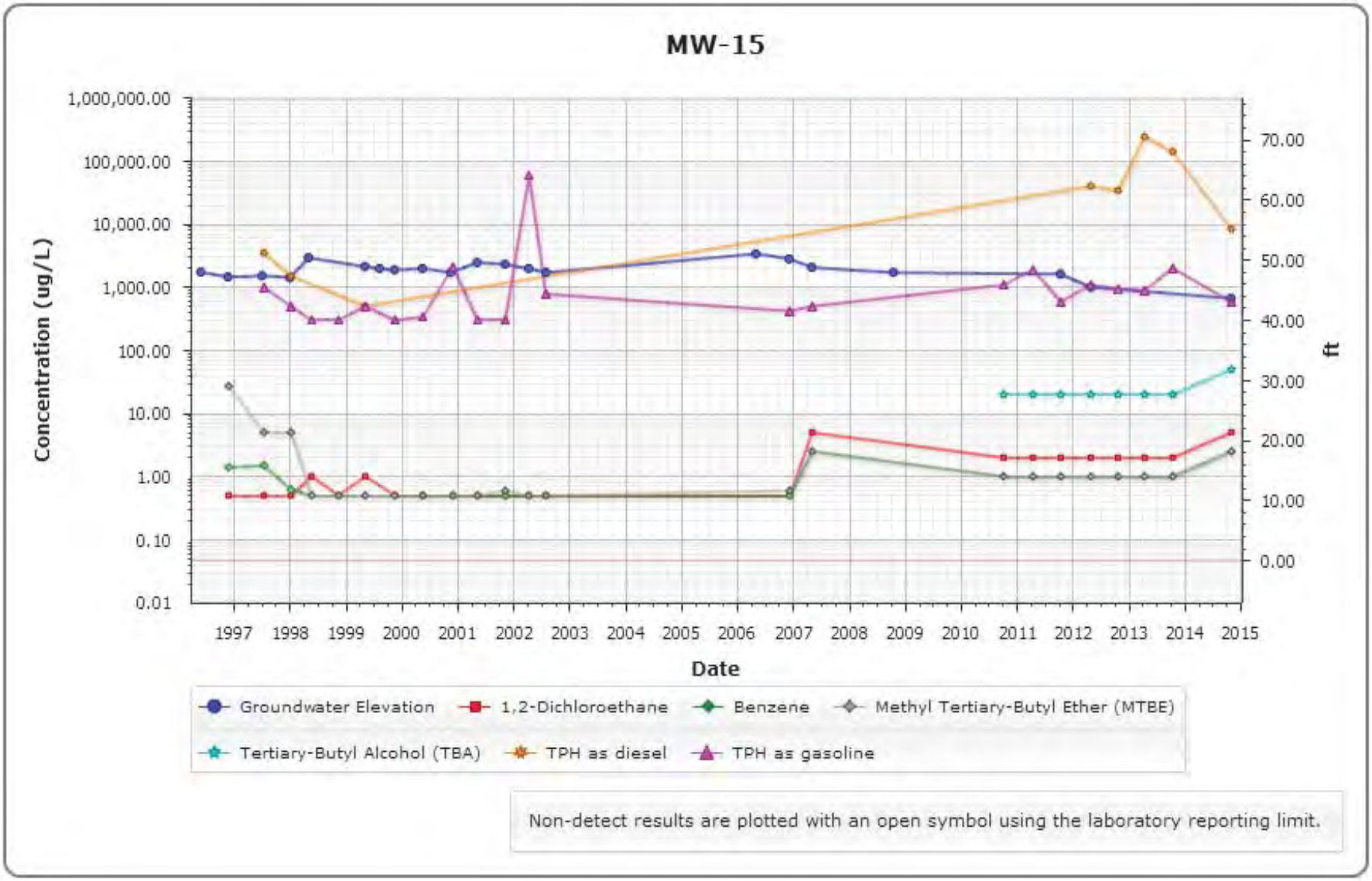
FORMER TRUCK-FUELING AREA

GMW-1, GMW-4, GMW-10, AND MW-15


GMW-1
Concentration (ug/L)
100,000.00
10,000.00
1,000.00
100.00
10.00
1.00
0.10
0.01
ft
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
Date
Groundwater Elevation
1,2-Dichloroethane
Benzene
Methyl Tertiary-Butyl Ether (MTBE)
Tertiary-Butyl Alcohol (TBA)
TPH as diesel
TPH as gasoline
Non-detect results are plotted with an open symbol using the laboratory reporting limit.

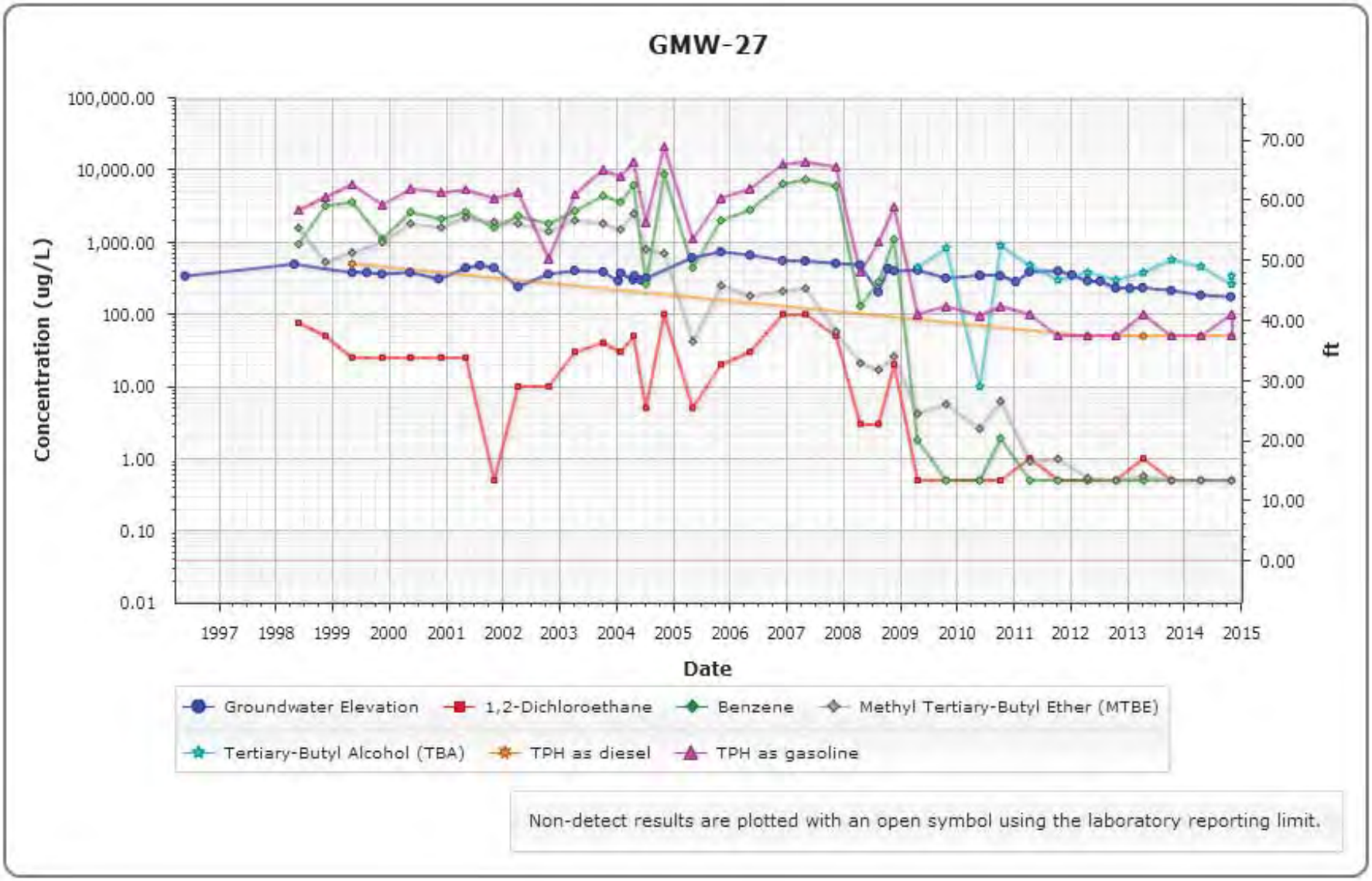

GMW-4
Concentration (ug/L)
100,000.00
10,000.00
1,000.00
100.00
10.00
1.00
0.10
0.01
ft
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
Date
Groundwater Elevation
1,2-Dichloroethane
Benzene
Methyl Tertiary-Butyl Ether (MTBE)
Tertiary-Butyl Alcohol (TBA)
TPH as diesel
TPH as gasoline
Non-detect results are plotted with an open symbol using the laboratory reporting limit.

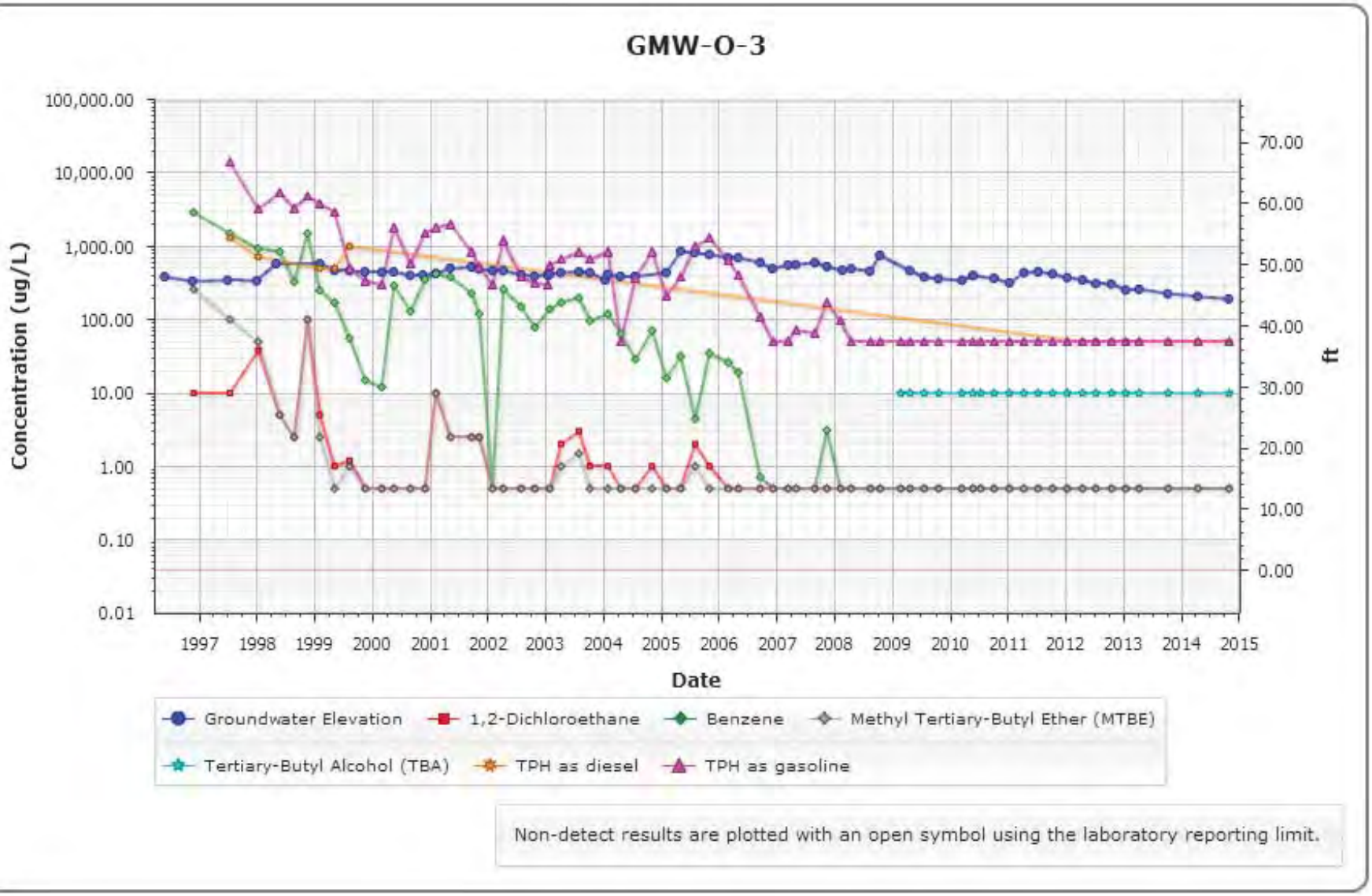

GMW-10
Concentration (ug/L)
1,000,000.00
100,000.00
10,000.00
1,000.00
100.00
10.00
1.00
0.10
0.01
ft
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
Date
Groundwater Elevation
1,2-Dichloroethane
Benzene
Methyl Tertiary-Butyl Ether (MTBE)
Tertiary-Butyl Alcohol (TBA)
TPH as diesel
TPH as gasoline
Non-detect results are plotted with an open symbol using the laboratory reporting limit.

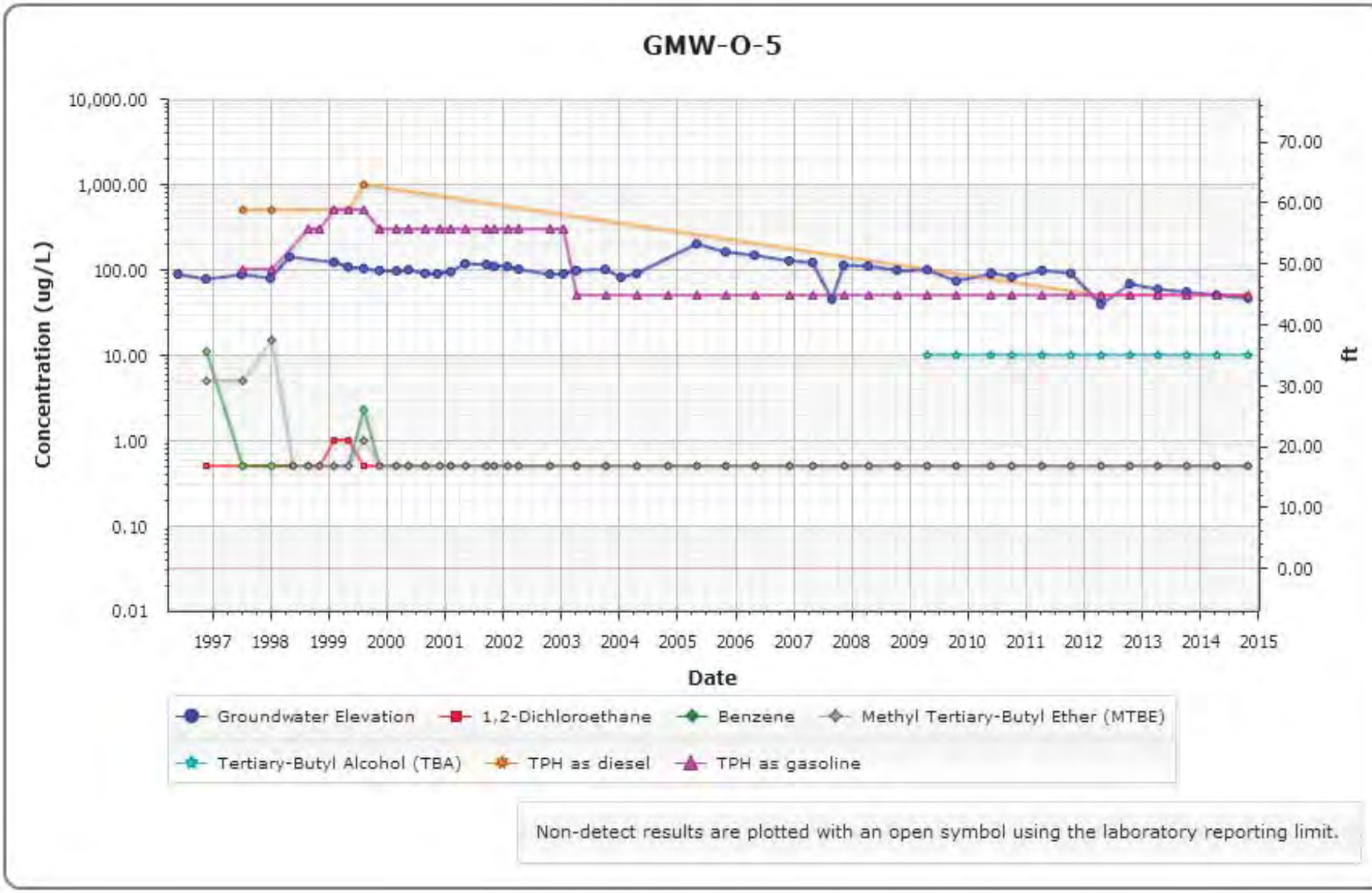

MW-15
Concentration (ug/L)
1,000,000.00
100,000.00
10,000.00
1,000.00
100.00
10.00
1.00
0.10
0.01
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
ft
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
Date
Groundwater Elevation
1,2-Dichloroethane
Benzene
Methyl Tertiary-Butyl Ether (MTBE)
Tertiary-Butyl Alcohol (TBA)
TPH as diesel
TPH as gasoline
Non-detect results are plotted with an open symbol using the laboratory reporting limit.

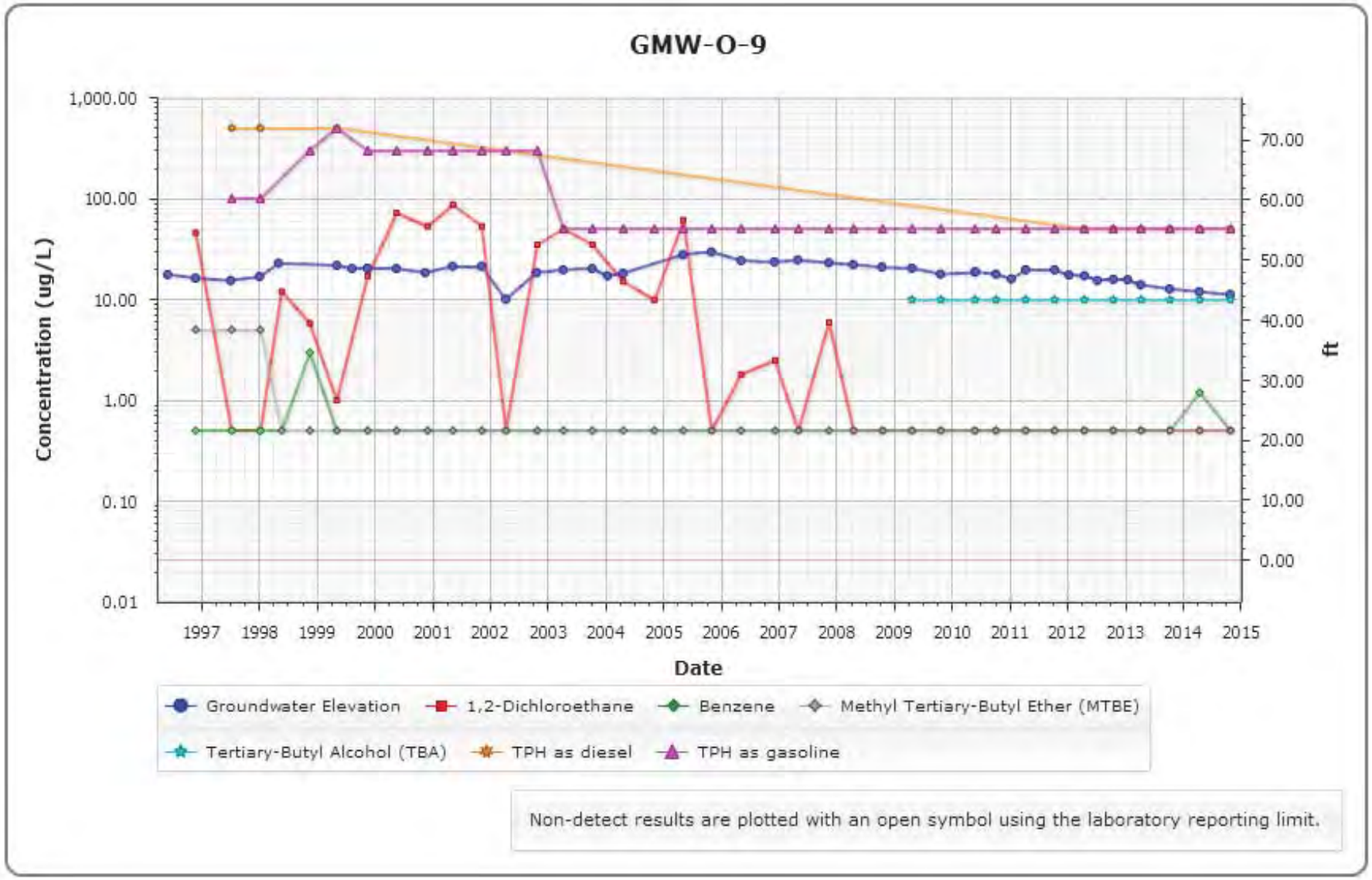
SOUTH-CENTRAL AREA

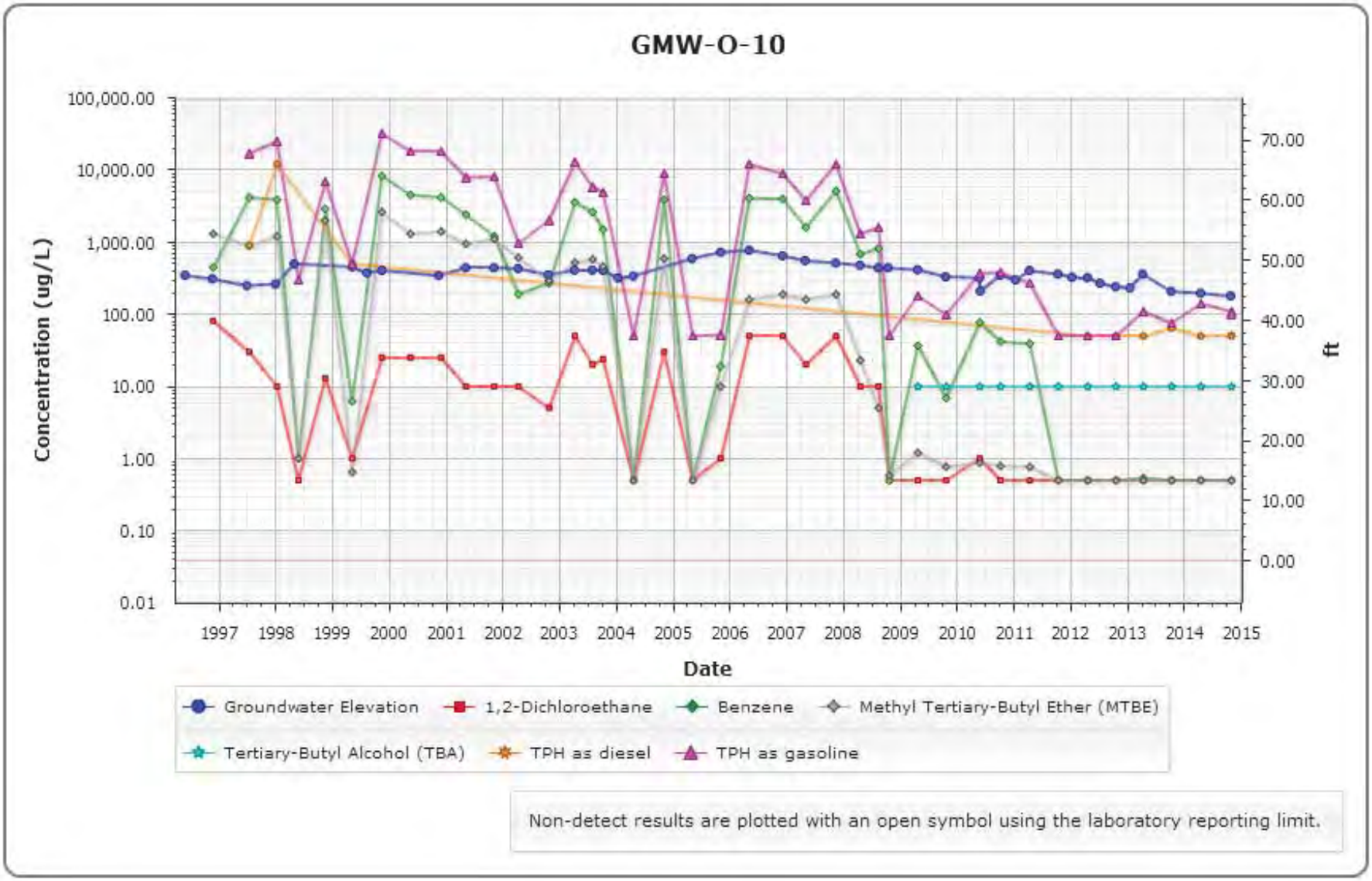
GMW-27, GMW-O-3, GMW-O-5, GMW-O-9, GMW-O-10, GMW-O-14, GWR-1, HL-2, MW-7, MW-20(MID), MW-SF-1, AND MW-SF-9

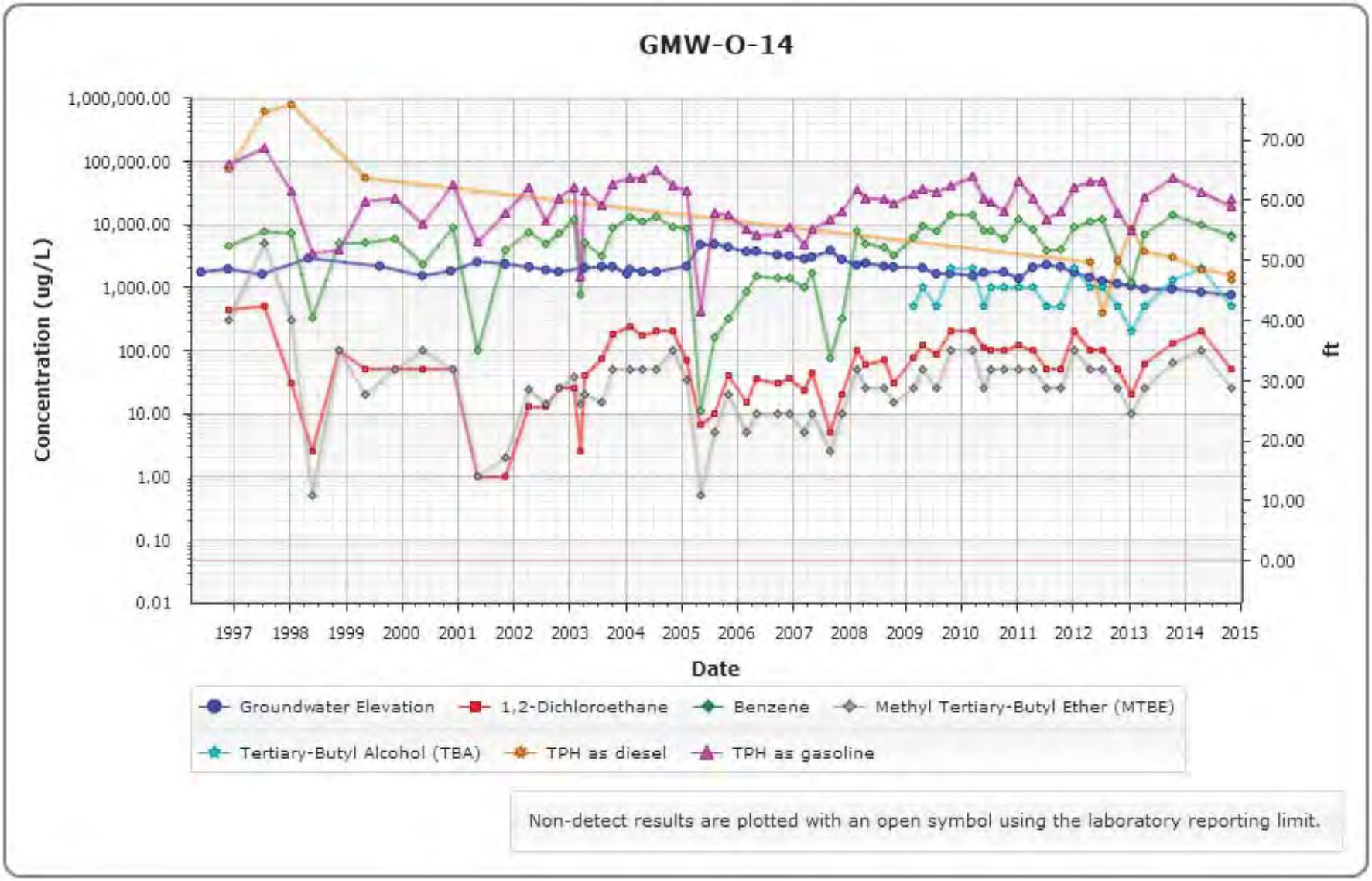

GMW-27
Concentration (ug/L)
100,000.00
10,000.00
1,000.00
100.00
10.00
1.00
0.10
0.01
ft
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
Date
Groundwater Elevation
1,2-Dichloroethane
Benzene
Methyl Tertiary-Butyl Ether (MTBE)
Tertiary-Butyl Alcohol (TBA)
TPH as diesel
TPH as gasoline
Non-detect results are plotted with an open symbol using the laboratory reporting limit.

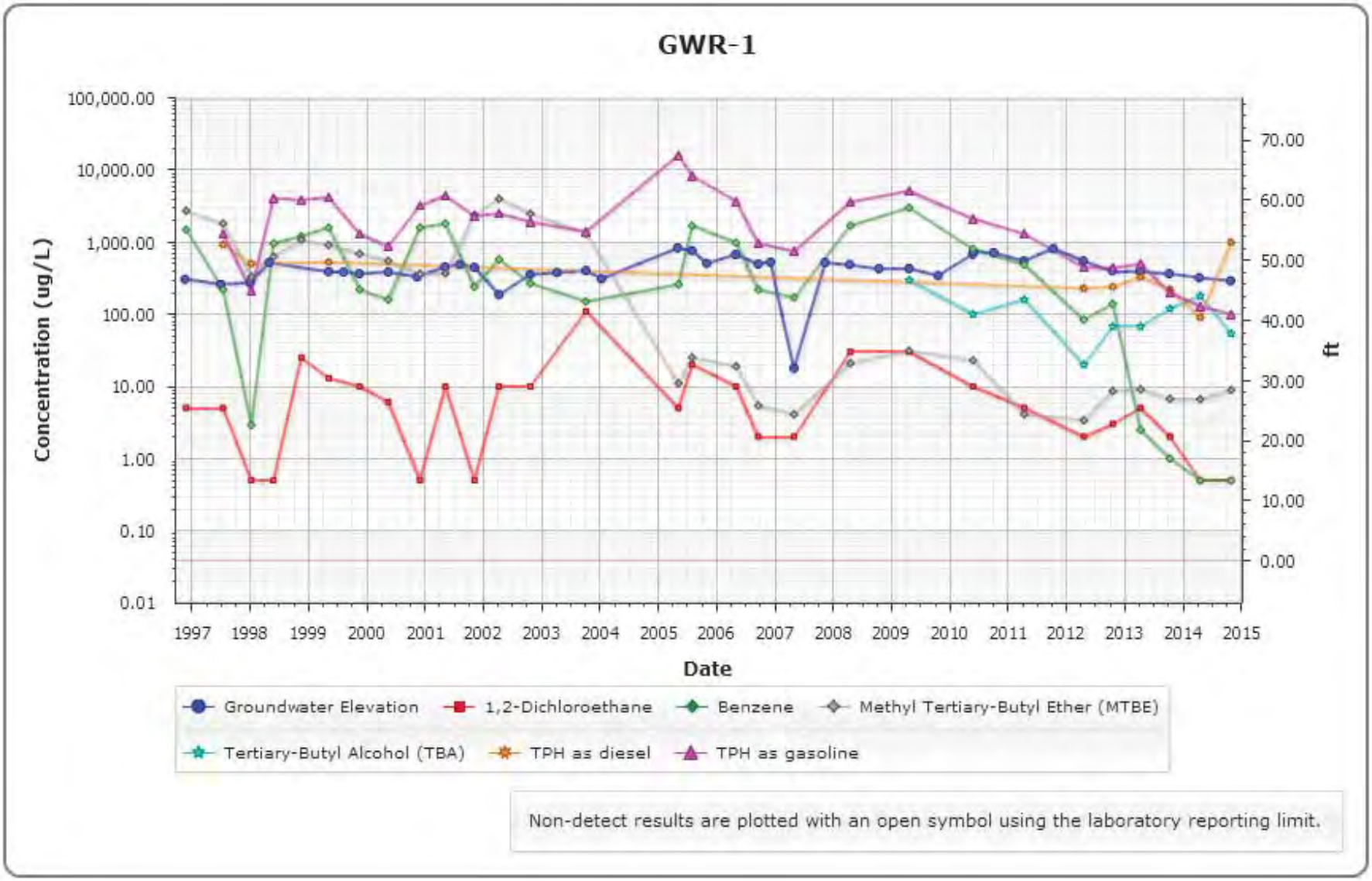

GMW-O-3
Concentration (ug/L)
100,000.00
10,000.00
1,000.00
100.00
10.00
1.00
0.10
0.01
ft
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
Date
Groundwater Elevation
1,2-Dichloroethane
Benzene
Methyl Tertiary-Butyl Ether (MTBE)
Tertiary-Butyl Alcohol (TBA)
TPH as diesel
TPH as gasoline
Non-detect results are plotted with an open symbol using the laboratory reporting limit.

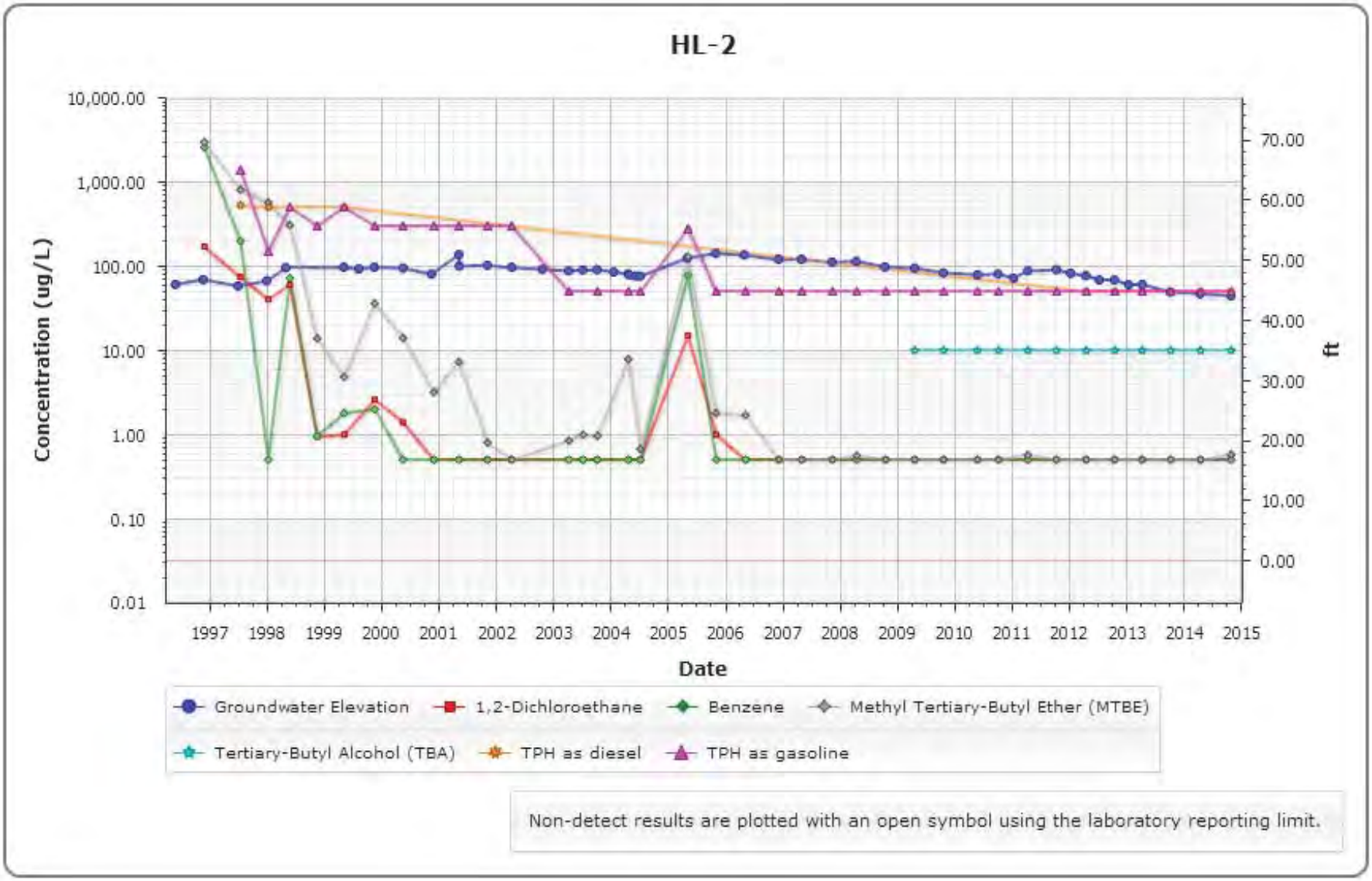

GMW-O-5
Concentration (ug/L)
10,000.00
1,000.00
100.00
10.00
1.00
0.10
0.01
ft
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
Date
Groundwater Elevation
1,2-Dichloroethane
Benzene
Methyl Tertiary-Butyl Ether (MTBE)
Tertiary-Butyl Alcohol (TBA)
TPH as diesel
TPH as gasoline
Non-detect results are plotted with an open symbol using the laboratory reporting limit.

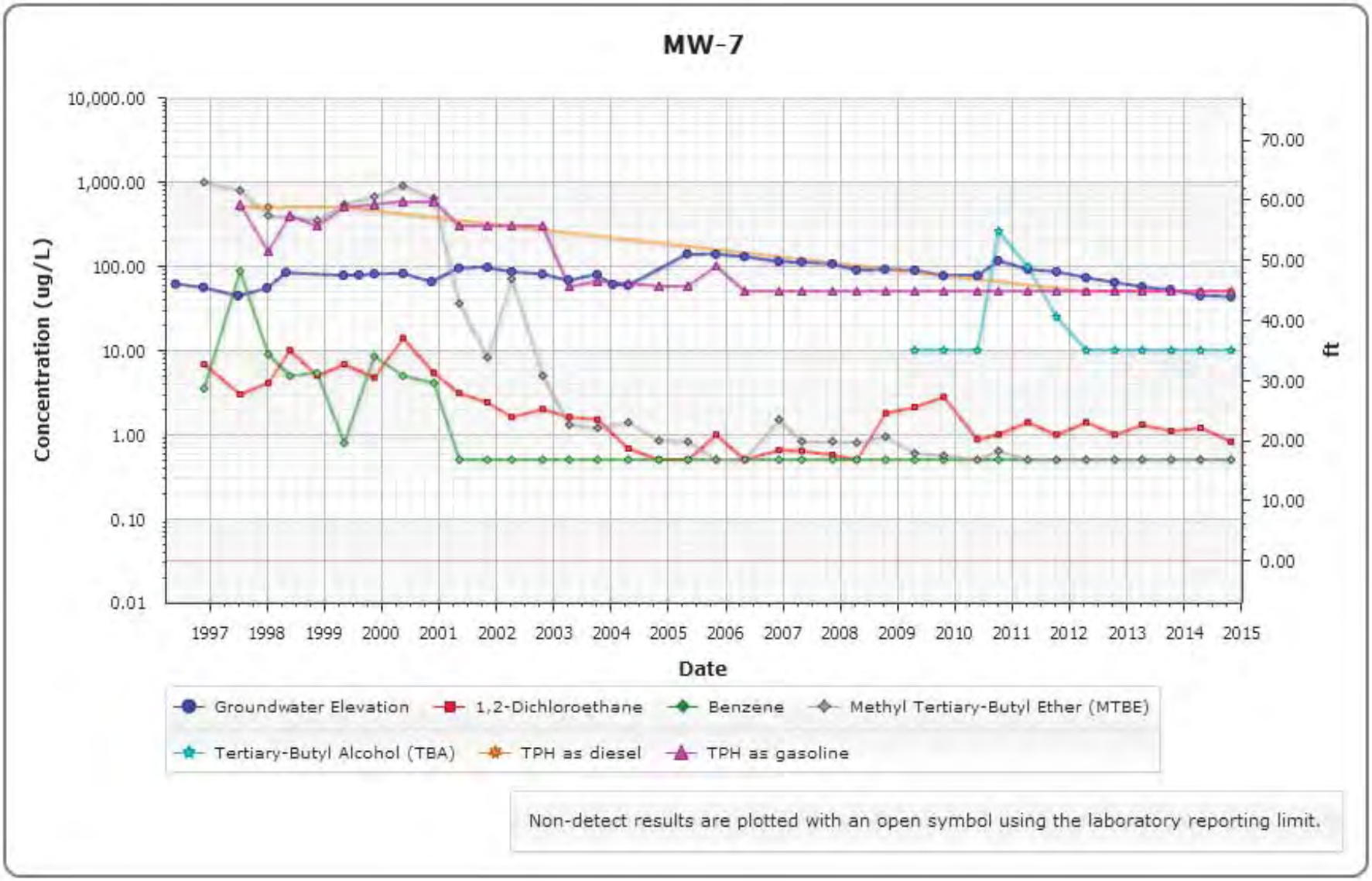

GMW-O-9
1,000.00
100.00
10.00
1.00
0.10
0.01
Concentration (ug/L)
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
ft
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
Date
Groundwater Elevation
1,2-Dichloroethane
Benzene
Methyl Tertiary-Butyl Ether (MTBE)
Tertiary-Butyl Alcohol (TBA)
TPH as diesel
TPH as gasoline
Non-detect results are plotted with an open symbol using the laboratory reporting limit.

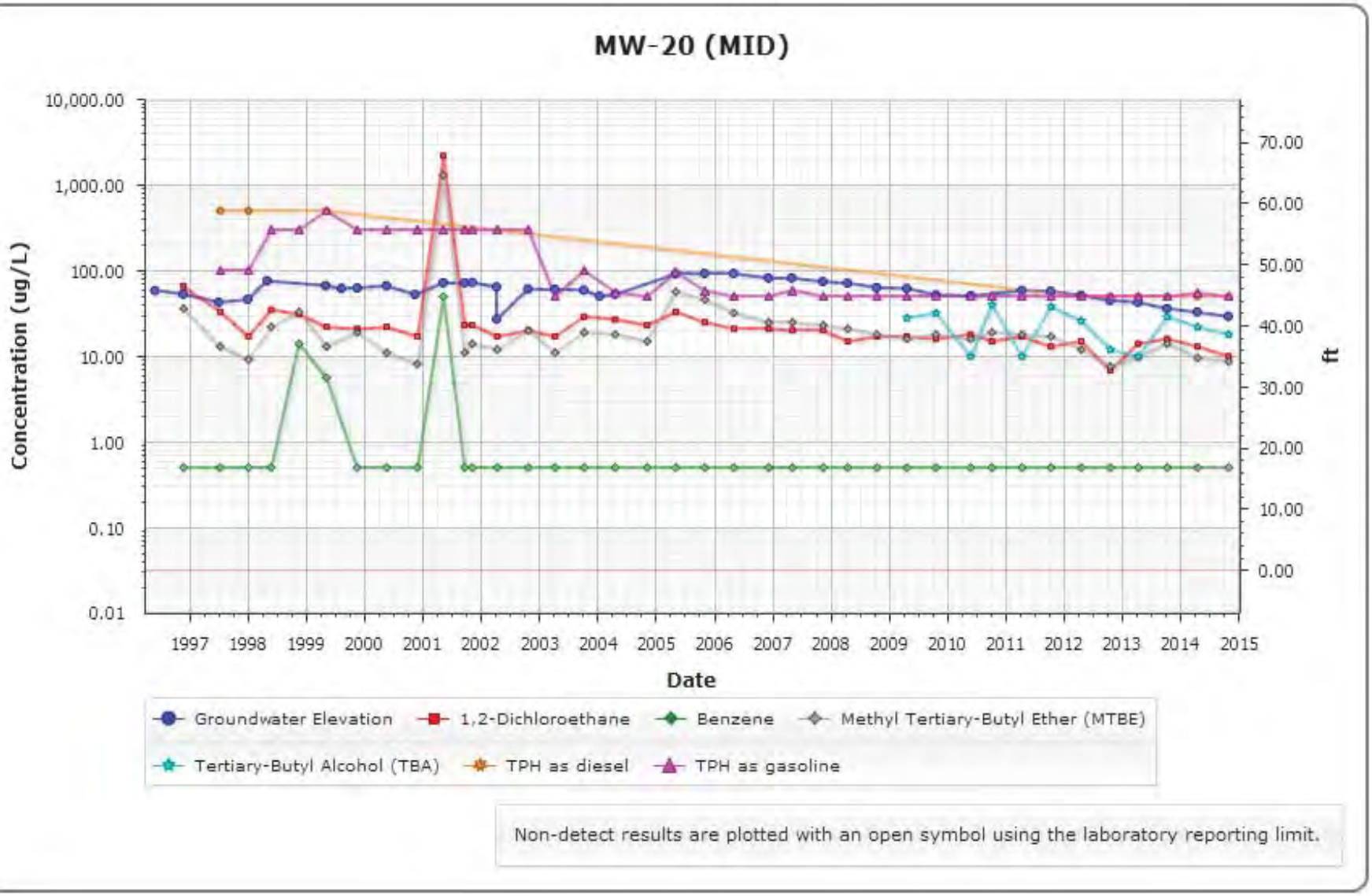

GMW-O-10
Concentration (ug/L)
100,000.00
10,000.00
1,000.00
100.00
10.00
1.00
0.10
0.01
ft
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
Date
Groundwater Elevation
1,2-Dichloroethane
Benzene
Methyl Tertiary-Butyl Ether (MTBE)
Tertiary-Butyl Alcohol (TBA)
TPH as diesel
TPH as gasoline
Non-detect results are plotted with an open symbol using the laboratory reporting limit.

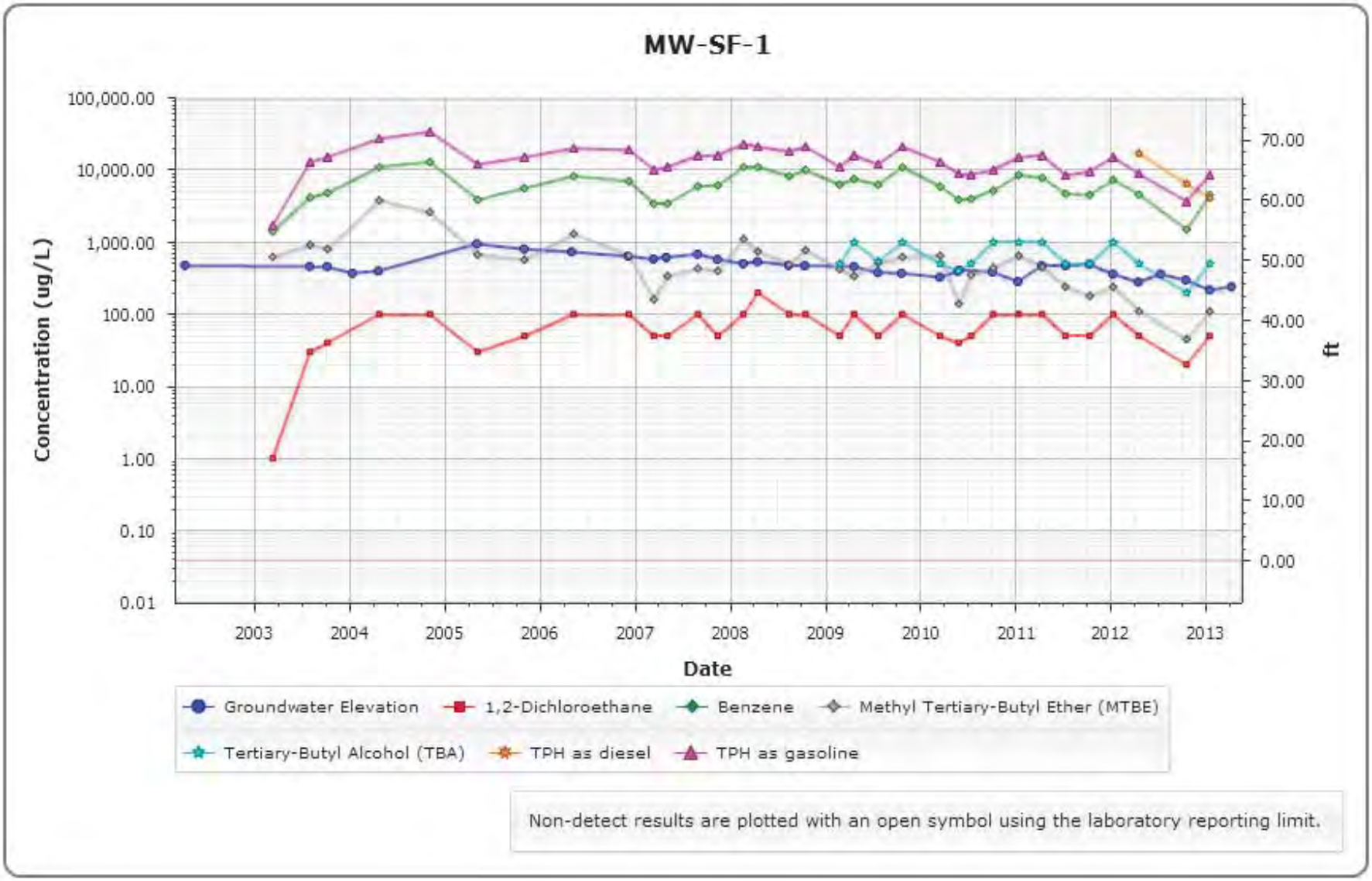

GMW-O-14
Concentration (ug/L)
1,000,000.00
100,000.00
10,000.00
1,000.00
100.00
10.00
1.00
0.10
0.01
ft
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
Date
Groundwater Elevation
1,2-Dichloroethane
Benzene
Methyl Tertiary-Butyl Ether (MTBE)
Tertiary-Butyl Alcohol (TBA)
TPH as diesel
TPH as gasoline
Non-detect results are plotted with an open symbol using the laboratory reporting limit.

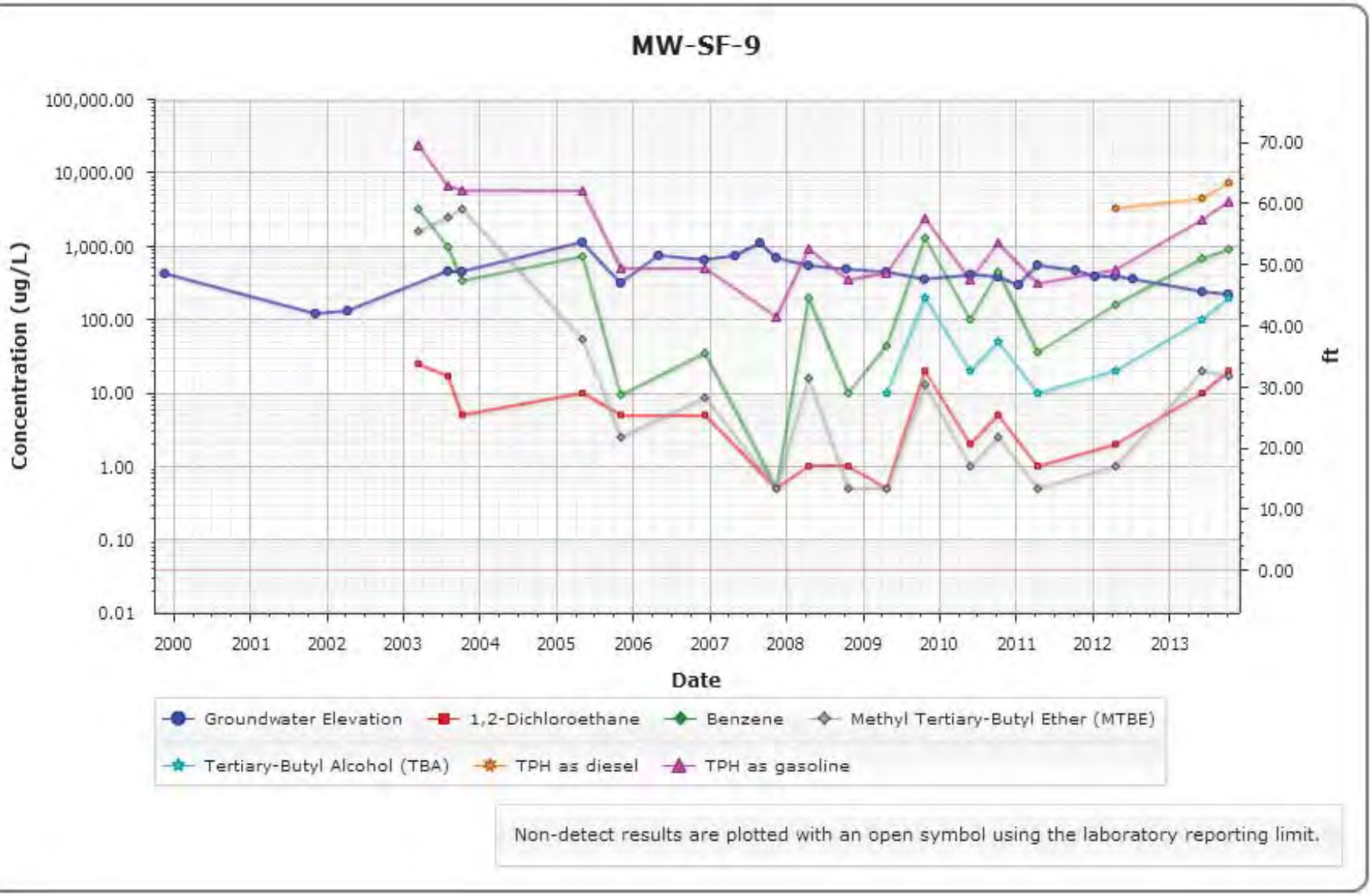

GWR-1
Concentration (ug/L)
100,000.00
10,000.00
1,000.00
100.00
10.00
1.00
0.10
0.01
ft
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
Date
Groundwater Elevation
1,2-Dichloroethane
Benzene
Methyl Tertiary-Butyl Ether (MTBE)
Tertiary-Butyl Alcohol (TBA)
TPH as diesel
TPH as gasoline
Non-detect results are plotted with an open symbol using the laboratory reporting limit.


HL-2
Concentration (ug/L)
10,000.00
1,000.00
100.00
10.00
1.00
0.10
0.01
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
ft
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
Date
Groundwater Elevation
1,2-Dichloroethane
Benzene
Methyl Tertiary-Butyl Ether (MTBE)
Tertiary-Butyl Alcohol (TBA)
TPH as diesel
TPH as gasoline
Non-detect results are plotted with an open symbol using the laboratory reporting limit.


MW-7
Concentration (ug/L)
10,000.00
1,000.00
100.00
10.00
1.00
0.10
0.01
ft
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
Date
Groundwater Elevation
1,2-Dichloroethane
Benzene
Methyl Tertiary-Butyl Ether (MTBE)
Tertiary-Butyl Alcohol (TBA)
TPH as diesel
TPH as gasoline
Non-detect results are plotted with an open symbol using the laboratory reporting limit.

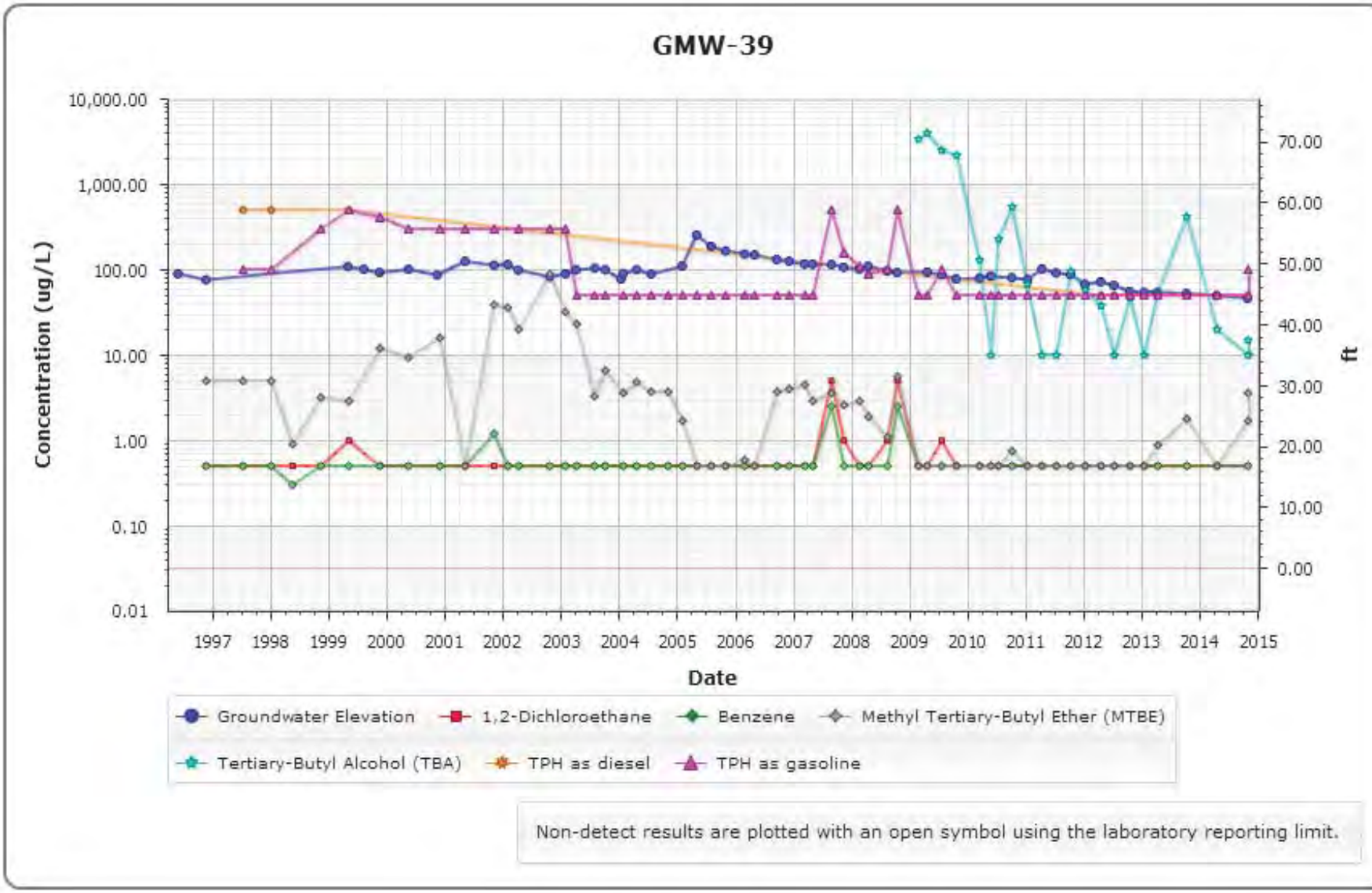

MW-20 (MID)
Concentration (ug/L)
10,000.00
1,000.00
100.00
10.00
1.00
0.10
0.01
ft
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
Date
Groundwater Elevation
1,2-Dichloroethane
Benzene
Methyl Tertiary-Butyl Ether (MTBE)
Tertiary-Butyl Alcohol (TBA)
TPH as diesel
TPH as gasoline
Non-detect results are plotted with an open symbol using the laboratory reporting limit.

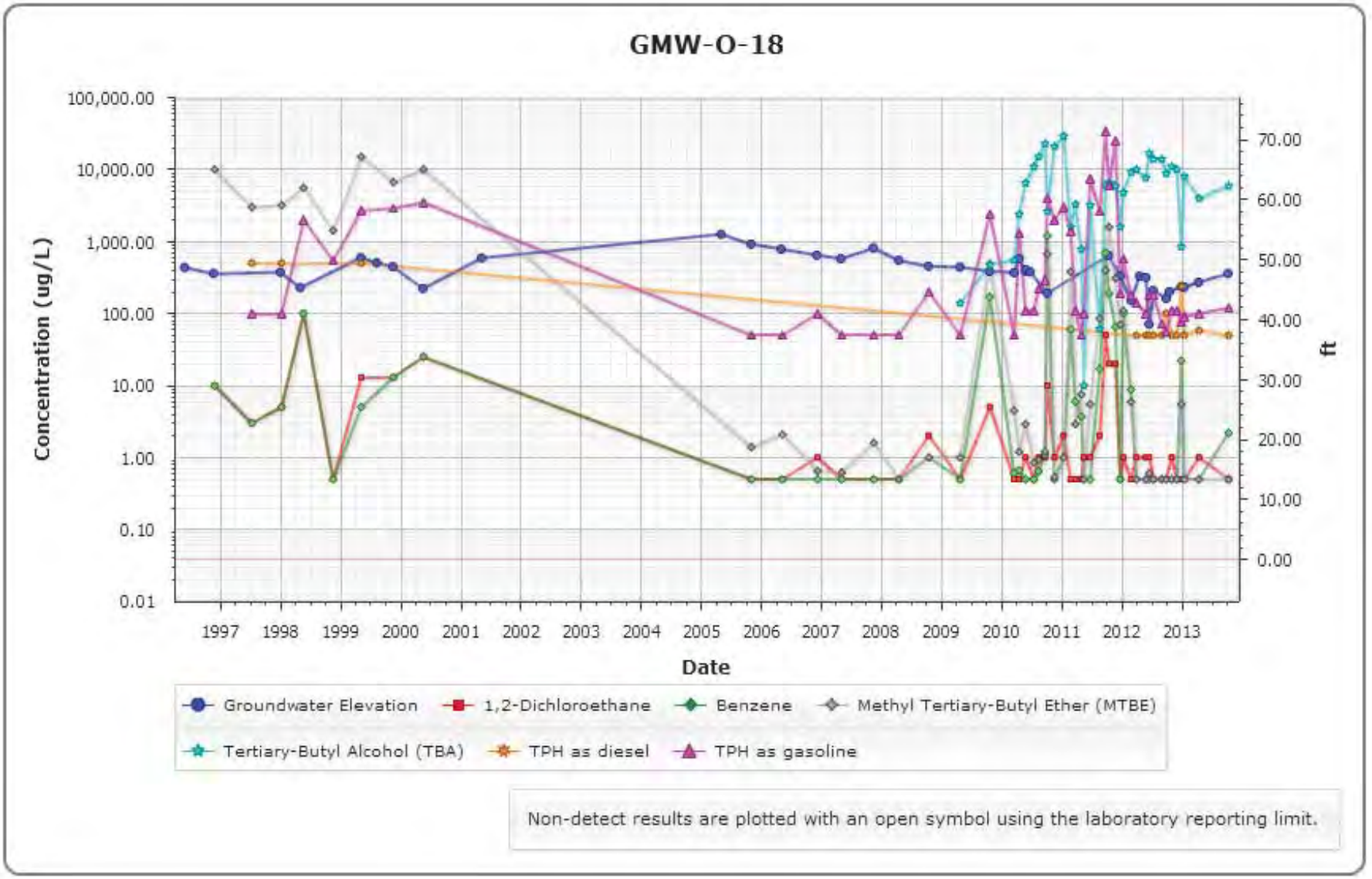

MW-SF-1
Concentration (ug/L)
100,000.00
10,000.00
1,000.00
100.00
10.00
1.00
0.10
0.01
ft
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
Date
Groundwater Elevation
1,2-Dichloroethane
Benzene
Methyl Tertiary-Butyl Ether (MTBE)
Tertiary-Butyl Alcohol (TBA)
TPH as diesel
TPH as gasoline
Non-detect results are plotted with an open symbol using the laboratory reporting limit.

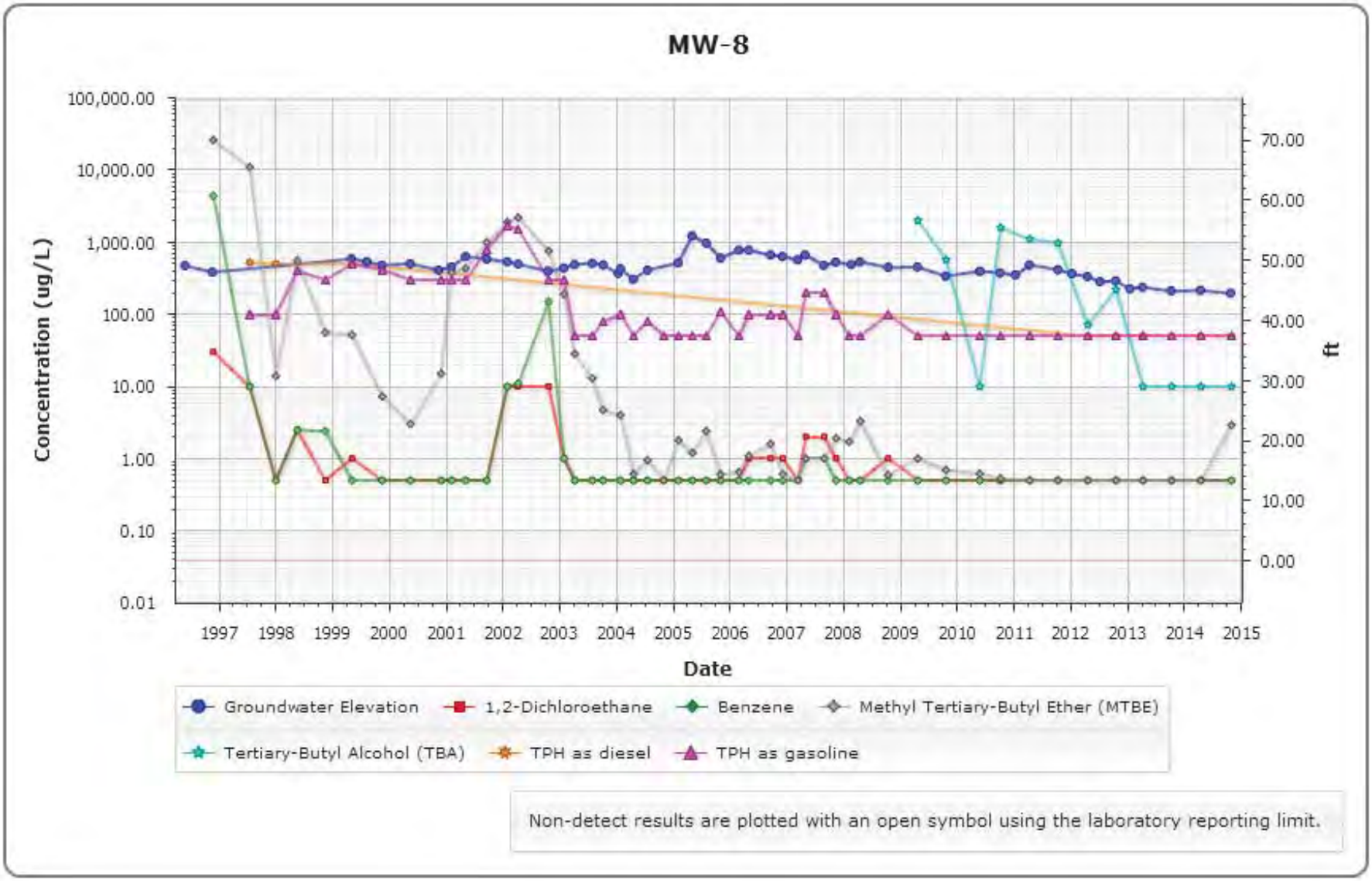

MW-SF-9
Concentration (ug/L)
100,000.00
10,000.00
1,000.00
100.00
10.00
1.00
0.10
0.01
ft
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
Date
Groundwater Elevation
1,2-Dichloroethane
Benzene
Methyl Tertiary-Butyl Ether (MTBE)
Tertiary-Butyl Alcohol (TBA)
TPH as diesel
TPH as gasoline
Non-detect results are plotted with an open symbol using the laboratory reporting limit.

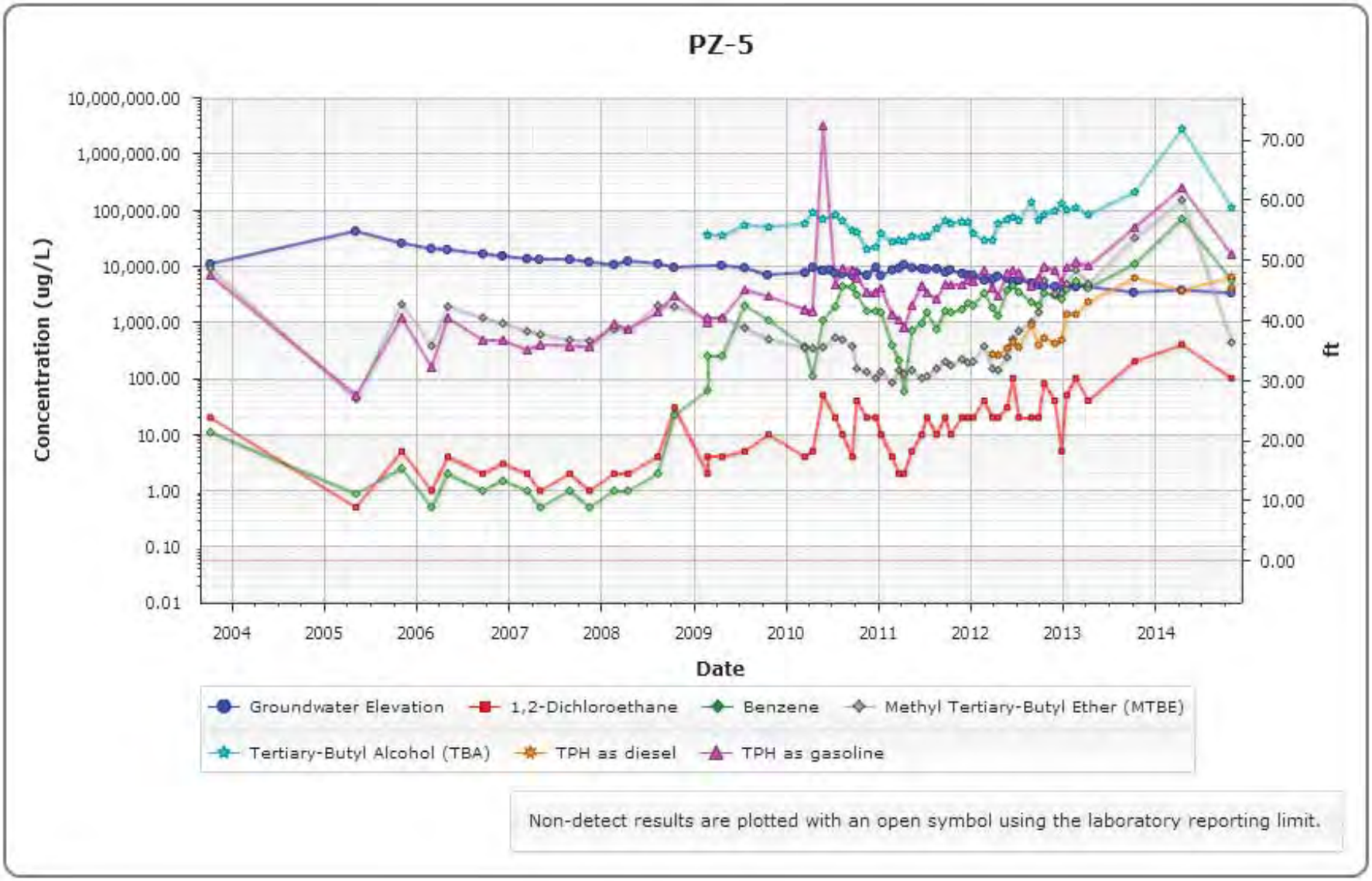
SOUTHEASTERN 24-INCH BLOCK VALVE AREA

GMW-39, GMW-O-18, MW-8, AND PZ-5


GMW-39
Concentration (ug/L)
10,000.00
1,000.00
100.00
10.00
1.00
0.10
0.01
ft
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
Date
Groundwater Elevation
1,2-Dichloroethane
Benzene
Methyl Tertiary-Butyl Ether (MTBE)
Tertiary-Butyl Alcohol (TBA)
TPH as diesel
TPH as gasoline
Non-detect results are plotted with an open symbol using the laboratory reporting limit.


GMW-O-18
Concentration (ug/L)
100,000.00
10,000.00
1,000.00
100.00
10.00
1.00
0.10
0.01
ft
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
Date
Groundwater Elevation
1,2-Dichloroethane
Benzene
Methyl Tertiary-Butyl Ether (MTBE)
Tertiary-Butyl Alcohol (TBA)
TPH as diesel
TPH as gasoline
Non-detect results are plotted with an open symbol using the laboratory reporting limit.


MW-8
Concentration (ug/L)
100,000.00
10,000.00
1,000.00
100.00
10.00
1.00
0.10
0.01
ft
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
Date
Groundwater Elevation
1,2-Dichloroethane
Benzene
Methyl Tertiary-Butyl Ether (MTBE)
Tertiary-Butyl Alcohol (TBA)
TPH as diesel
TPH as gasoline
Non-detect results are plotted with an open symbol using the laboratory reporting limit.


PZ-5
Concentration (ug/L)
10,000,000.00
1,000,000.00
100,000.00
10,000.00
1,000.00
100.00
10.00
1.00
0.10
0.01
ft
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
Date
Groundwater Elevation
1,2-Dichloroethane
Benzene
Methyl Tertiary-Butyl Ether (MTBE)
Tertiary-Butyl Alcohol (TBA)
TPH as diesel
TPH as gasoline
Non-detect results are plotted with an open symbol using the laboratory reporting limit.