

# **SECOND SEMIANNUAL 2013 GROUNDWATER MONITORING REPORT**

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

*Prepared for*

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

**February 14, 2014**

*Prepared by*



**100 WEST WALNUT STREET • PASADENA • CALIFORNIA 91124**

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Prepared by

**PARSONS**  
100 West Walnut Street  
Pasadena, California 91124



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Thomas A. Larson, PG  
Principal Geologist



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Redwan Hassan, PG  
Senior Project Manager

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**ACRONYMS AND ABBREVIATIONS**

µg/L	micrograms per liter
1,2-DCA	1,2-dichloroethane
amsl	above mean sea level
Alpha	Alpha Analytical, Inc
Blaine Tech	Blaine Tech Services, Inc.
BTEX	benzene, toluene, ethylbenzene, and total xylenes
Calscience	Calscience Environmental Laboratories, Inc.
COC	constituents of concern
DFSP	Defense Fuel Support Point
DIPE	diisopropyl ether
DLA	Defense Logistics Agency
ETBE	ethyl tertiary-butyl ether
ft/ft	foot per foot
GWE	groundwater extraction
JP-4	jet propellant 4
JP-5	jet propellant 5
JP-8	jet propellant 8
KMEP	Kinder Morgan Energy Partners, L.P.
MTBE	methyl tertiary-butyl ether
RWQCB	Regional Water Quality Control Board, Los Angeles
SFPP	Santa Fe Pacific Pipeline, L. P.
SVE	soil vapor extraction
TAME	tertiary-amyl-methyl ether
TBA	tertiary-butyl alcohol
TFE	total fluids extraction
the site	Defense Fuel Support Point Norwalk
TPH	total petroleum hydrocarbons
TPHd	total petroleum hydrocarbons as diesel
TPHg	total petroleum hydrocarbons as gasoline
USEPA	U.S. Environmental Protection Agency
VOA	volatile organic analysis
VOC	volatile organic compound

## 1.0 INTRODUCTION

Parsons was contracted by the Defense Logistics Agency (DLA) Energy to prepare this Groundwater Monitoring Report on behalf of the Defense Energy Office – Los Angeles and Santa Fe Pacific Pipeline, L.P. (SFPP), an operating partnership of Kinder Morgan Energy Partners, L.P. (KMEP), to summarize methods and results of groundwater monitoring activities conducted at the Defense Fuel Support Point (DFSP) Norwalk tank farm facility (the site) during the second half of 2013. The site is located at 15306 Norwalk Boulevard, Norwalk, California (Figure 1). The site is under the regulatory oversight of the California Regional Water Quality Control Board, Los Angeles (RWQCB).

The results documented in this report are based on groundwater monitoring that has been conducted in accordance with Revised Sampling and Analysis Plans prepared by DLA Energy (Parsons, September 2013) and SFPP (CH2M HILL, May 2013). The RWQCB approved the sampling plans on October 23, 2013 and June 27, 2013, respectively.

DLA and SFPP jointly perform groundwater monitoring events at the site to address respective impacts to groundwater by each entity. SFPP contracted CH2M HILL and DLA contracted Parsons to perform project oversight and groundwater monitoring activities. Both SFPP and Parsons have subcontracted Blaine Tech Services, Inc. (Blaine Tech) to perform the field work, which includes gauging and purging wells using low flow groundwater monitoring methodology. Groundwater monitoring is conducted in accordance with the revised sampling plans, approved by the RWQCB.

Since 1986, environmental assessments have been performed at the DFSP Norwalk tank farm facility (both on site and off site) by several consultants on behalf of DLA and SFPP. During these investigations, wells were installed for monitoring and as components of groundwater 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 offsite to the south, west, and east.

The principal chemical constituents of concern (COC) at the site are total petroleum hydrocarbons (TPH; including TPH quantified as gasoline [TPHg], diesel fuel [TPHd], jet propellant 4 [JP-4], jet propellant 5 [TPHjp5], and jet propellant 8 [JP-8]); benzene, toluene, ethylbenzene, and total xylenes (BTEX); 1, 2-dichloroethane (1,2-DCA); methyl tertiary-butyl ether (MTBE), and tertiary-butyl alcohol (TBA). Additional background information regarding 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 2013 semiannual groundwater monitoring event. This report includes groundwater gauging and sampling data from selected wells throughout the DFSP Norwalk tank facility and from wells located offsite to the east, west, and south, and provides an updated description of the status of the dissolved-phase and liquid-phase hydrocarbon plumes.

## **2.0 FIELD AND LABORATORY ACTIVITIES**

A summary of the semiannual monitoring event is provided in Subsection 2.1. Field and laboratory methods are described in Subsection 2.2.

### **2.1 SEMIANNUAL GROUNDWATER MONITORING**

Water levels were measured at 166 wells located within the facility and offsite to the west, south, and east to provide groundwater elevation and free product thickness data between October 1 and November 14, 2013; and water quality samples were collected at 110 of these wells for the semiannual sampling event. Three monitoring wells (EXP-1, EXP-2, and EXP-3) were sampled by Blaine Tech on behalf of Parsons and SFPP. Blaine Tech, on behalf of Parsons, also submitted five field duplicate samples, four trip blanks, 4 equipment blanks for analysis; and Blaine Tech, on behalf of SFPP, submitted five duplicate samples, four trip blanks, and 10 equipment blanks for analysis. Table 2 lists the wells that were gauged during the October 2013 semiannual monitoring event, and Table 3 lists the wells sampled for the event. Well gauging and sampling records for the semiannual sampling event are provided in Appendix A.

### **2.2 FIELD AND LABORATORY METHODS**

Field activities were conducted in accordance with the revised sampling plans and as described in Subsection 2.2.1. During the October 2013 semiannual monitoring event, samples collected by Blaine Tech on behalf of Parsons were submitted to Calscience Environmental Laboratories, Inc. (Calscience) for analysis. Samples collected by Blaine Tech on behalf of SFPP for the semiannual event were submitted to Alpha Analytical, Inc. (Alpha) for analysis. Calscience and Alpha are both certified by the Environmental Laboratory Accreditation Program of the California Department of Health Services. Samples were submitted to these laboratories for analysis as described in Subsection 2.2.2.

#### **2.2.1 Field Methods**

Prior to commencement of purging and sampling activities, SFPP's and DLA's remediation systems were shut down for one week (except DLA's soil vapor extraction [SVE] system which was on). Subsequently, Parsons or Blaine Tech measured depth to water in each well using an electronic water level sounder; or depth to water and free product thickness using an interface probe. The down-well instruments used in the wells were cleaned with a non-detergent cleaner, then rinsed successively with tap water and distilled water before each use. The U.S. Environmental Protection Agency (USEPA) low-flow sampling method was followed, and Blaine Tech utilized a QED Sample Pro Bladder pump for wells sampled on behalf of Parsons and a Grundfos RF2 ES pump for wells sampled on behalf of SFPP. Each well was purged until the sampling parameters of specific conductivity, temperature, and pH have stabilized within 10% of the previous measurement. Purging records for the October 2013 semiannual monitoring event are provided in Appendix A. Samples were collected directly from the pump and new or dedicated tubing into the sample container.

Samples analyzed for TPHg, and volatile organic compounds (VOCs), including BTEX, 1,2-DCA, TBA, and MTBE, were collected in 40-milliliter volatile organic analysis (VOA) vials containing hydrochloric acid preservative, filled to zero headspace, and sealed with Teflon<sup>®</sup> septa and airtight caps. Water samples for analysis of TPHd were collected in 1/2-liter amber sample jars and sealed with Teflon lined airtight caps. The samples were labeled and placed on ice for transport to the laboratory following chain-of-custody procedures.

### **2.2.2 Laboratory Analytical Methods**

Samples collected for DLA were sent to Calscience and samples collected for SFPP were sent to Alpha for laboratory analysis. The laboratory analytical program for the sampling events included analysis for VOCs using EPA Method 8260B, and TPH using purge-and-trap and/or extraction sample preparation techniques followed by USEPA Method 8015 (modified). Results for TPH analyses using the purge-and-trap preparation technique were quantified and reported against a commercial gasoline standard (C4 – 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 – C22) (results abbreviated “TPHd”). Copies of the laboratory analytical data reports are presented in Appendix B.

### **2.3 FREE PRODUCT REMOVAL**

Total fluids recovery operations are being conducted by both DLA and SFPP at the northern and southern areas of the site, respectively, which has reduced the presence of measurable free product in several monitoring wells located throughout the site. However, in order to remove the remainder of free product from the northern area of the site, absorbent polypropylene socks were used as an interim remedial measure. The absorbent fibrous sock consists of hydrophobic (oleophilic) materials used for absorption of oil and hydrocarbon-based products. The 2-inch diameter absorbent socks are especially useful for removing thin layers of free product, even down to a sheen, and are likely to absorb approximately 1 quart of product per sock. The socks are installed in wells and replaced as needed by monitoring site conditions regularly to determine the most effective frequency of replacement. Gauging data will be evaluated to determine if socks should be installed in any wells with measureable product for the next reporting period. In addition to the passive recovery via absorption, vacuum recovery is conducted from specific wells once the thickness has reached between 0.5 feet to 1 foot. Status of free product recovery is reported quarterly in the remediation progress reports submitted by Parsons on behalf of DLA.

SFPP is conducting active free product removal in both the south-central and southeastern areas of the site via SFPP’s main groundwater treatment system. Free product and groundwater recovered by pneumatically operated top-loading total fluids pumps and bottom-loading groundwater pumps are piped to an oil/water separator. Free product, if any, from the oil/water separator is collected in a storage tank and recycled to an offsite location. Status of free product removal is reported quarterly in the remediation progress reports by CH2M HILL on behalf of SFPP.

### 3.0 GROUNDWATER GAUGING RESULTS

Measurements of water level and free product thickness collected during the semiannual monitoring event are described in the following section. Both DLA and SFPP's groundwater extraction systems were shut down at least one week prior to the second semiannual 2013 groundwater gauging and sampling activities. Water level and free product thickness were measured in 166 wells during the semiannual monitoring event. Free product thicknesses, depths to groundwater, and calculated groundwater elevations are presented in Table 2. Groundwater elevations in wells with measureable free product were corrected for water-product density differences using a specific gravity of 0.84 for the free product, multiplying this specific gravity by the measured product thickness, and adding this correction to the groundwater elevation. Groundwater elevation contours for the uppermost groundwater zone along with estimated free product plumes are shown on Figure 2. Historical water level measurements, free product thicknesses, and groundwater elevations are presented in Appendix C.

Some wells were not considered in contouring groundwater elevation in the uppermost groundwater zone for the following reasons:

- Five wells screened in the Exposition aquifer;
- Five wells screened near the bottom of the uppermost aquifer (MW-18 MID, MW-19 MID, MW-20 MID, MW-21 MID, and MW-22 MID); and
- Wells with groundwater elevations inconsistent with surrounding groundwater elevations.

Groundwater elevation data from wells screened in the uppermost aquifer were used in interpreting site groundwater elevation contours, flow directions, and hydraulic gradient for the uppermost groundwater zone. Groundwater elevations used in contouring ranged from 44.2 feet above mean sea level (amsl) in GMW-44 (in the north-central tank farm area) to 46.38 feet amsl in GMW-O-8. Groundwater elevations considered anomalous are not included in the range listed here but are indicated on Figure 2.

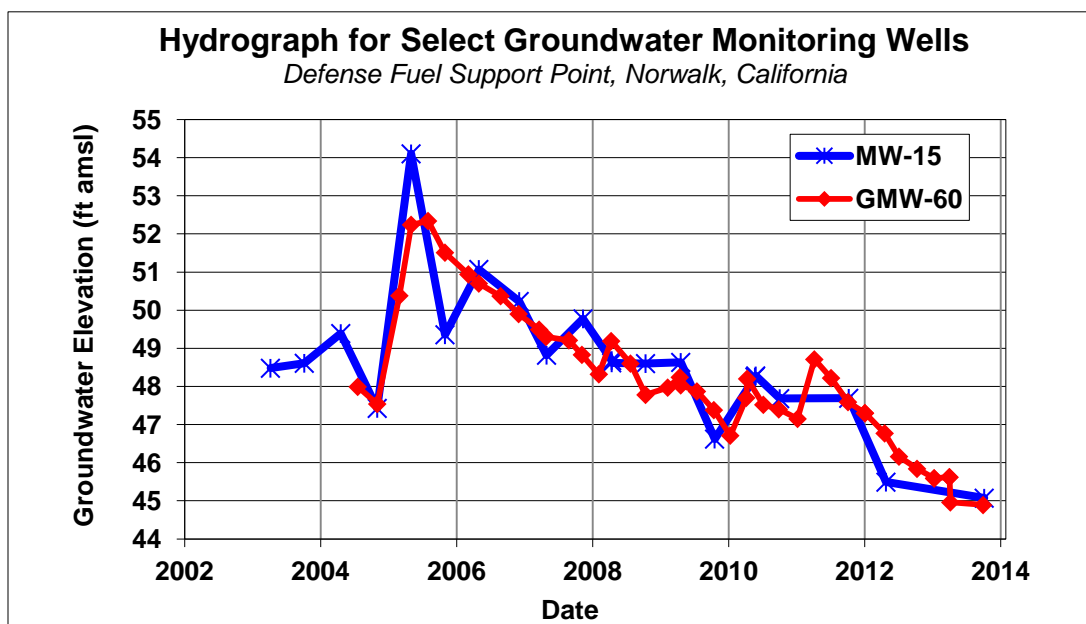
Overall, groundwater flow and gradient conditions encountered during the semiannual monitoring event were similar to those encountered during previous monitoring events at the site. Historically, the overall flow direction (assuming no wells are pumping) in the uppermost aquifer has been to the north-northwest. The overall flow direction during this monitoring event was to the north, with a horizontal hydraulic gradient of approximately 0.0006 foot per foot (ft/ft) (Figure 2) in the southern part of the site and essentially no gradient in the former tank farm area. A slight groundwater depression was interpreted around former AST 80007, and the flow lines gently merge into this area. Although the data indicates this slight depression, the potentiometric surface is essentially flat in this area, resulting in stagnant conditions with little or no migration of contaminants. Groundwater elevations at the site during the October 2013 semiannual monitoring event were in the range of 0.7 foot to 1.0 foot lower than elevations reported during the April 2013 semiannual monitoring event and 1.2 feet lower than one year ago in October 2012. The lowered water levels during the dryer autumn time of year may be the cause of the thicker free product observed during the second

semiannual monitoring event. The groundwater monitoring results for April 2013 were reported in the First Semiannual Report for 2013 (CH2M HILL, 2013).

Groundwater levels in the five wells [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 (Figure 2). Groundwater elevations in these five “MID” wells ranged from 40.34 (MW-18 MID) to 44.93 (MW-21 MID) feet amsl, and were generally lower than nearby wells – indicating a downward hydraulic gradient.

Groundwater elevations in the five Exposition aquifer wells at and near the site ranged from 22.28 (EXP-5) to 24.19 (EXP-4) feet amsl. Figure 3 shows groundwater elevation contours for the Exposition aquifer. During October 2013, groundwater elevations in all five Exposition aquifer wells had lowered by 2.86 feet at EXP-2 to 3.39 feet at EXP-5 from elevations reported during the April 2013 sampling event and were approximately 2 feet lower from one year ago in October 2012. Groundwater flow in the Exposition aquifer beneath the site is generally east-southeastward with a horizontal hydraulic gradient of approximately 0.0005 ft/ft, generally opposite of groundwater flow direction in the uppermost groundwater zone.

Free product was observed in 31 of the 166 wells measured during the second 2013 semiannual monitoring event, and apparent free product thicknesses ranged from 0.02 foot (TF-20 and GMW-45) to 5.42 feet (MW-SF-1). It is believed that the increased product thicknesses observed during the fourth quarter 2013 are a result of continued declining water levels across the site. The hydrograph below shows that groundwater levels have gradually and steadily lowered since 2005.



The current low water levels 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 graph above, since the 2005/2006 El Niño groundwater elevations in the Uppermost aquifer declined approximately 5 feet to the current low water levels across the site. Continued total fluids extraction (TFE) and vacuum extraction will remove the product that has accumulated due to these low water levels. The detection of free product in monitoring wells during this sampling event and data from remediation system operations, in addition to historical detections of free product, were used in interpreting the current limits of the free product plumes at the site as shown on Figure 2.

The north-central free product plumes have been interpreted as isolated or separated plumes. Most of the free product in these wells cannot be removed economically by mechanical means. Parsons has been using adsorbent socks to remove free product present in the remaining wells since July 2007 and vacuum recovery as needed at specific wells. Table 2 lists the wells with measureable free product in the well casing, which is not a precise indication of free product thickness or mobility in the aquifer.

Free product was observed in the south-central free product plume in the same general onsite and offsite areas during the first (April) and second (October) semiannual monitoring events. Free product was again detected near the truck fill station area in MW-15 and GMW-4, with thicknesses of 0.31 feet and 0.1, respectively, in the well screens. The small free product plume at GMW-10, northwest of the truck fill station and west of the small slop tank remained persistent throughout 2013. Also, free product remained persistent throughout the year in the southeastern block valve area near GMW-36, where it was observed in April and October 2013.

## 4.0 GROUNDWATER QUALITY

Laboratory analytical results for the second semiannual sampling event were used to develop iso-concentration maps for TPH, benzene, 1,2-DCA, MTBE, and TBA. These maps are presented as Figures 4 through 8, respectively. The concentrations of the compounds presented in these figures were used to assess the extent of impact to groundwater beneath the site. Analytical results from the second semiannual (October) 2012, and the first (April) and second (October) 2013 semiannual monitoring events are included in the text box labels for each well on Figures 4 through 8. Thirty-one January (first quarter) 2013 (including 4 Exposition wells) and four June (second quarter) samples were collected and those results are included on the Figures and in Tables. The data labels are color coded to indicate whether the concentrations from the October 2013 semiannual event are increasing, decreasing, or stable from the previous October 2012 semiannual event. Color coding was previously determined using data comparisons between successive semiannual events; however, comparisons between annual data was adopted pursuant to discussions made during the August 9, 2012 RAB meeting. A blue data label now 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, and TBA are summarized in Table 3. Other VOCs detected by USEPA Method 8260B analyses are summarized in Table 4. Historical analytical results are presented in Table 6. Field data sheets are provided in Appendix A. Copies of the laboratory analytical data reports are presented in Appendix B.

### 4.1 TOTAL PETROLEUM HYDROCARBONS

The reported analytical results for TPHg and TPHd for each well sampled during the semiannual monitoring event are summed and contoured as total TPH on Figure 4. Table 3 lists separate values for TPHg and TPHd.

The lateral extents of TPH plumes (Figure 4) appear similar to those interpreted from a year ago for the second semiannual monitoring event performed in October 2012. The maximum reported concentration of TPHg (Table 3) was 120,000 micrograms per liter ( $\mu\text{g/L}$ ) observed in extraction well GMW-36 in the southeast block valve area. The highest concentration of TPHd was 140,000  $\mu\text{g/L}$  observed in monitoring well MW-15, located just north of the truck fill station. The second highest TPHd was at GMW-36, where TPHg was the highest.

Low concentrations of TPH were detected in two of the Exposition aquifer wells sampled for SFPP during the October 2013 semiannual event, but were not detected in the split sample collected for DLA and analyzed at a different laboratory (Table 3). Naturally occurring organic longer carbon-chain hydrocarbons were detected in these deeper horizons during the UVOST investigation (Parsons, 2011).

As shown on Figure 4 and Table 6, the lateral extent of TPH concentrations in the north-central area has generally stayed the same. However, measured concentrations had increased



more along the northern half of the plume than a year ago during the October 2012 semiannual period as indicated by the red data flags on Figure 4. Still, some of the wells in the eastern portion of the plume exhibit decreasing concentrations, as indicated by the blue data flags on Figure 4. Free product was first encountered at well GMW-62, located near the northeastern site boundary, in October 2010 (0.18 foot) since measurements began in August 2007; and was measured with 1.33 feet in October 2013. A groundwater sample has not been collected from GMW-62 since October 2010 due to the presence of free product. In that same area, free product was measured at 3.31 feet thick in GW-15 during this most recent sampling event. GW-15 and GW-16 are currently being pumped to create a cone of depression and control offsite migration to the east. Vacuum recovery is conducted at GMW-62 as needed once the measureable thickness is between 0.5 feet to 1 foot.

The extent of the north-central plume is fairly well defined and contained within the site boundaries. This may be the result of the extremely low, but slightly inward, hydraulic gradient as shown on Figure 2.

Internal to the north-central plume, a second “hot-spot” is located in the vicinity of former AST 80008. Figure 4 shows two areas with measureable free product in five nearby monitoring wells, with the highest dissolved TPH concentration of 50,000 J  $\mu\text{g/L}$  in total fluids extraction well TF-17. A third small “hot-spot” is present between former ASTs 80002, 80006, and 80007, where TPH was detected at PZ-3 at 12,100 J  $\mu\text{g/L}$  and where free product was measured in several wells.

In the south-central plume area of the site, the lateral extent of TPH generally stayed the same as compared to a year ago although concentrations have increased in two offsite wells (GMW-O-10 and GMW-O-14) as indicated by the red data boxes on Figure 4, and decreased in two wells (GWR-1 and GMW-O-12), as indicated by the blue data boxes. Free product was measured in 14 wells at the center of this dissolved plume area.

The dissolved TPH concentration decreased on the south side of the former truck fill station at GMW-4, but increased on the north side at MW-15 and GMW-10. From this area, the highest dissolved concentration occurred at MW-15 at 142,000  $\mu\text{g/L}$ . Measurable free product was observed at all three of these wells.

An isolated detection of TPH was reported in the western offsite area at well WCW-5 (130  $\mu\text{g/L}$ ), where TPH was not reported above the laboratory reporting limit a year ago.

Four wells (PZ-5, GMW-36, GMW-O-15, and GMW-O-16) in the southeast 24-inch block valve area showed increased TPH concentrations during the October 2013 sampling event. Free product was detected in wells GMW-36 and GMW-O-15 during October 2013. Both wells have had a historical presence of free product.

## 4.2 BENZENE

Benzene concentrations reported during the October 2013 semiannual monitoring event are presented on Table 3 and contoured on Figure 5. Concentrations of benzene ranged from below detection limits in many wells to 17,000  $\mu\text{g/L}$  in monitoring well MW-O-2, which is located offsite in the south-central plume area. Benzene was not detected in any of the offsite

wells west of the site, but was detected in offsite wells south and east of the site. Benzene was not detected in any of the Exposition aquifer wells.

The north-central plume continues to be interpreted as a single plume based on detections of benzene in the north-central and eastern wells. Figure 5 shows that benzene concentrations in the eastern portion of this plume have decreased by an order of magnitude in three wells (GMW-58, GMW-59, and GMW-61) and slightly increased in one well (GMW-60) from one year ago.

The benzene plume associated with the south-central area remained similar in the lateral extent and magnitude to that observed a year ago during the October 2012 semiannual monitoring event and a half year ago during the spring 2013 semiannual sampling event. A decreasing concentration was reported in well GWR-1, as indicated by the blue data flag, to less than the laboratory reporting limit. Benzene concentrations increased in two offsite wells (GMW-O-12 and GMW-O-14) as indicated by the red data flags. Benzene was not detected in any offsite wells south of Cheshire Street.

In the southeastern 24-inch block valve area, the extent of benzene remained essentially unchanged since a year ago, as shown on Figure 5. However, significant increases in benzene were reported in two extraction wells (GMW-36 and GMW-O-15), where there was measurable free product, and one offsite monitoring well (PZ-5). Benzene increased slightly in extraction well GMW-O-18 (2.2  $\mu\text{g/L}$ ), where the concentration was below the laboratory reporting limit a year ago.

### 4.3 1,2-DICHLOROETHANE

1,2-DCA concentrations reported during the October 2013 semiannual monitoring event are provided in Table 3 and are contoured on Figure 6. The maximum reported 1,2-DCA concentration during the October 2013 semiannual sampling event was 16  $\mu\text{g/L}$  in well MW-20 MID, located near the western site boundary west of former AST 80009. This plume may extend southeastward into the south-central plume area but may be masked by the high reporting limits due to dilution for other constituents in some wells. The size and configuration of the 1,2-DCA plume remains about the same as previous interpretations.

A trace detection of 1,2-DCA (0.36 J  $\mu\text{g/L}$ ) was reported in one of the Exposition aquifer wells (EXP-3) sampled for DLA during the October 2013 semiannual event, but was not detected in the split sample collected for SFPP and analyzed at a different laboratory (Table 3).

1,2-DCA was not detected in any of the other wells in the north-central, eastern, and southeastern portions of the site. As discussed in previous semiannual reports, 1,2-DCA concentrations dissolved in groundwater in the vicinity of the West Side Barrier and in the western offsite area are stable or show a slight increasing trend (Table 6), but have remained consistently below the risk-based cleanup goal of 70  $\mu\text{g/L}$  for 1,2-DCA since 2005. Pumping of the West Side Barrier wells for hydraulic containment was discontinued in August 2008; groundwater quality conditions in the area have been stable since then and will continue to be monitored.

#### 4.4 METHYL TERTIARY-BUTYL ETHER

MTBE concentrations reported during this semiannual monitoring event are provided in Table 3 and are contoured on Figure 7. Concentrations of MTBE ranged from below detection limits in many wells to 32,000 µg/L at well PZ-5, located in southeastern 24-inch block valve area, and 710 µg/L in offsite well MW-O-2 located in the south-central plume area.

The MTBE plume in the south-central area has a similar configuration as the benzene plume, but the lateral extent of MTBE in the northwestern portion of the plume is interpreted to be greater than the benzene extent, primarily due to trace detections of MTBE in wells GWR-1 and MW-21 MID. Of the wells sampled, MTBE was detected in only two offsite wells, MW-O-2 (710 µg/L) and GMW-O-14 (64 µg/L). MTBE was not detected in any offsite monitoring wells south of Cheshire Street.

The lateral extent and magnitude of the MTBE plume in the northwestern portion of the site is generally similar to that interpreted for the last several years and is similar to the 1,2-DCA plume extent. Concentrations of MTBE in offsite monitoring wells west of the site generally remain at or below the laboratory reporting limit. The MTBE concentration at WCW-4, which was detected just above the detection limit one year ago (October 2012), was not detected in either the April or October 2013 semiannual sampling events, indicating a shrinking plume extent. A trace detection of MTBE was reported in offsite well WCW-7 (0.6 µg/L). None of the wells in this northwestern plume exceeded the MTBE risk-based cleanup goal of 40 µg/L.

In the north-central plume area, MTBE concentrations slightly increased to just above the reporting limit at four wells (red text boxes on Figure 7) and slightly decreased at two wells. The plume has similar lateral extent compared to the previous year. All MTBE sample results in the north-central plume area were below the cleanup goal of 40 µg/L.

Two small, isolated, low concentration plumes were interpreted in the former truck fill station area. MTBE detections on the south side of the fill station was observed in GMW-4 (2.2 µg/L) and MW-9 (11 µg/L). Interestingly, MTBE has not been detected at MW-15, where free product has been measured, since December 2006 (Table 6). Low concentration of MTBE was also observed at the western edge of the truck fill station at GMW-1 (1.7 µg/L). None of these detections exceed the cleanup goal of 40 µg/L.

The MTBE plume near the southeastern 24-inch valve area is interpreted to be similar in lateral extent as a year ago, but the concentration magnitude has increased during 2013 at monitoring well PZ-5 and extraction wells GMW-O-15 and GMW-36. Measurable free product was reported in both extraction wells during this semiannual event. The increase in MTBE concentration at PZ-5 can be attributed to continued remediation operations in this area. Trace concentrations of MTBE were reported in downgradient monitoring wells GMW-39 and GMW-O-24.

MTBE was not detected in any of the five Exposition wells in any of the sampling events during the second half of 2013.

#### 4.5 TERTIARY-BUTYL ALCOHOL

Pursuant to the RWQCB's request in March 2009, analysis for other fuel oxygenates, including TBA, ethyl tertiary-butyl ether (ETBE), diisopropyl ether (DIPE), and tertiary-amyl-methyl ether (TAME) using EPA Method 8260B, was added to the MRP for this and future sampling events (RWQCB, 2009a; RWQCB, 2009b).

The highest concentration of TBA (Table 3) was detected in the southeast corner of the site near the 24-inch block valve at PZ-5 with a concentration of 210,000  $\mu\text{g/L}$  and 180,000  $\mu\text{g/L}$  in the field duplicate sample. Historically, this well has had the highest concentration of TBA in this area. Figure 8 shows that other wells in the block valve area also had high levels of TBA, including extraction wells GMW-O-18 (6,000  $\mu\text{g/L}$ ) and GMW-O-15 (7,100  $\mu\text{g/L}$ ). TBA was also detected in downgradient well GMW-39 at a concentration higher than what was reported a year ago. TBA decreased below the laboratory reporting limit in MW-8 and extraction well GMW-36. However, it is suspected that TBA is present in extraction well GMW-36, but the concentration likely is masked by the high reporting limit, which was required because of the presence of other high concentration hydrocarbon constituents. TBA is a known breakdown product from MTBE degradation and the presence of TBA indicates that MTBE is being bio-degraded.

The lateral extent of TBA in the south-central area was similar to the extent interpreted for October 2012. The magnitude of TBA concentrations in the south-central plume area may be masked because of the high reporting limits due to dilution for other hydrocarbon constituents. Figure 8 shows four wells (GMW-1, GMW-27, GWR-1, and MW-20 MID) with increasing concentrations as indicated by the red data flags. TBA was not detected in any of the southern offsite wells during October 2013.

In the north-central plume area, the highest concentration of TBA was detected at GMW-60 at a concentration of 880  $\mu\text{g/L}$ . This monitoring well is located between two extraction wells that prevent contaminant migration across the site boundary. TBA concentrations increased in groundwater samples from five wells, as indicated by the red text boxes on Figure 8. The extent of the plume is interpreted to be slightly larger than one year ago due to detections at GMW-58 linking the two plumes together.

TBA was not detected in any of the five Exposition aquifer wells during this October 2013 semiannual sampling event.

#### 4.6 OTHER FUEL OXYGENATES

DIPE was detected at 7 locations in the south-central plume area and extending to the northwest offsite area at WCW-7 (Table 3). TAME was detected at TF-16, located in the north-central plume area, at a trace concentration of 0.64  $\mu\text{g/L}$ . ETBE was not detected in any of the sampled wells.

#### 4.7 QUALITY ASSURANCE/QUALITY CONTROL

Alpha and Calscience did not report any significant quality assurance/quality control problems with the analytical work performed as part of the current sampling events. A total 8 trip blanks and 14 equipment blanks from the second semiannual event were submitted to the

laboratories for analysis. Target compounds were not detected in any trip blanks except TBA detect at 11 µg/L at one sample collected on October 10, 2013 analyzed by Alpha. Table 5 is a summary of the analytical results for these Quality Assurance/Quality Control samples.

Field duplicate samples were collected as part of the October 2013 semiannual event (ten duplicate pairs). Reported sample results exhibited acceptable agreement between the sample pairs. Field duplicate sample results are shown on Tables 3 and 4.

#### **4.8 WATER DISPOSAL**

Purged groundwater generated during these monitoring events was treated onsite in the remediation systems operated by the DLA and SFPP. Purged groundwater extracted by Blaine Tech on behalf of Parsons was pumped into the DLA system located in the northern part of the site to be discharged under National Pollutant Discharge Elimination System (NPDES) permit number CAG834001. Purged groundwater extracted by Blaine Tech on behalf of SFPP was treated in the SFPP treatment system located in the south-central part of the site and discharged under NPDES permit number CA0063509.

#### **4.9 HEALTH AND SAFETY**

Field activities were conducted in accordance with the site-specific health and safety plans. The health and safety plans include protocols for safe work practices for 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

Details of the remediation system operations are presented quarterly in remediation progress reports to the RWQCB and RAB. DLA created a web site (*Norwalkrab.com*) to house project information, which includes agendas, minutes, and presentations from RAB meetings dating back to 1994. In addition, all historical project information and reports can be located in the information repository at the Norwalk Regional Library.

### 5.1 SYSTEM OPERATIONS

SFPP's and DLA's remediation systems (except DLA's soil vapor extraction system which was on) were shut down for at least one week prior to the gauging and sampling activities.

#### 5.1.1 DLA Energy

The remediation system operated at the site by DLA consists of SVE, groundwater extraction (GWE), biosparging, absorbent sock installations for passive recovery of free product, and TFE. DLA is currently conducting GWE in the northwest corner of the property from two pumping wells (GW-2 and GW-13), and also from two wells (GW-15 and GW-16) in the northeast area bordering Holifield Park. The operation of the GWE system is to contain and reduce the extent of the free product and dissolved plumes. SVE is also underway from the horizontal wells that span the entire former aboveground tank farm area and from the north eastern boundary area. Localized vacuum recovery for free 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 offsite area (or West Side Barrier area). SFPP is extracting groundwater from seven wells (GMW-10, GMW-O-23, MW-SF-3, MW-SF-6, MW-SF-14, MW-SF-15, and MW-SF-16) in the south-central area and from four wells in the southeastern 24-inch block valve area (GMW-36, GMW-O-15, GMW-O-18, and GMW-SF-9). SFPP's TFE and GWE systems are designed to: contain and reduce the extent of free product; provide hydraulic capture of dissolved COCs; and lower the free product surface (where present) and groundwater table, thus exposing more hydrocarbon-impacted soil for SVE.

### 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 and northeastern areas 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 offsite areas have been nondetect or at concentrations near the laboratory reporting limit, indicating the plumes have been generally contained onsite. The offsite extent of

dissolved phase constituents in the northeastern area is limited to about 200 feet to the east of the site under Holifield Park. DLA Energy will continue to extract groundwater in the northeastern area. The offsite 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. SFPP will continue to extract groundwater in the southeastern area and monitor for TBA and other constituents.

It is believed that increased product thicknesses observed during October 2013 are indicative of continued declining water levels across the site. The remediation systems will continue to be optimized in order to recover as much free product as feasibly possible.

The low detections of 1,2-DCA in the western area do not warrant restarting the West Side Barrier treatment system because the concentrations are below the risk-based standard; however, hydrocarbon constituents will continue to be monitored in this area.

In 2014, DLA Energy plans to conduct soil excavation from the ground surface up to 10 feet across the site at areas that exceed the approved soil cleanup goals. SFPP is planning to implement alternative remedial measures in the southeastern area (e.g. biosparge pilot test) during the first quarter 2014 to enhance mass removal.

## **6.0 SUMMARY**

The second 2013 semiannual groundwater monitoring event was conducted in October 2013 at the site and its vicinity. In general, free product conditions and groundwater quality interpreted from these monitoring events are similar to those interpreted from a year ago for the October 2012 semiannual sampling event.

### **6.1 GROUNDWATER FLOW CONDITIONS**

Groundwater elevations at the site during the October 2013 semiannual monitoring event were, on average, approximately 1 foot lower than the elevations reported during the April 2013 semiannual monitoring event and approximately 1.2 feet lower from a year ago. The hydraulic gradient across the site was nearly flat at approximately 0.0006 ft/ft, with overall flow direction inward toward the north central part of the site (Figure 2). Groundwater flow in the Exposition aquifer was generally east-southeastward with a horizontal hydraulic gradient of approximately 0.0005 ft/ft (Figure 3). This is also generally consistent with previous monitoring events.

### **6.2 DISTRIBUTION OF FREE PRODUCT**

Free product was observed in 31 of the 166 wells measured during the second 2013 semiannual monitoring event, and apparent free product thicknesses ranged from 0.02 foot (GMW-45 and TF-20) to 5.42 feet (MW-SF-1). Interpretation of the current limits of the free product accumulations at the site was based on the detections of free product during this sampling event, data from remediation system operations, and historical detections of free product. Free product accumulations are located in generally the same general areas as interpreted a year ago from the October 2012 event. Measureable free product observed in these areas was greater than past events, likely because of the continued decline in water levels across the site which has exceeded 5 feet since 2005. As mentioned above, water levels declined by approximately 1.2 feet since October 2012.

### **6.3 DISSOLVED-PHASE CONSTITUENTS**

In most areas, the lateral extent and concentrations of dissolved TPH, benzene, 1,2-DCA, MTBE, and TBA plumes were similar to those detected during a year ago from the October 2012 event and the April 2013 semiannual monitoring event, as summarized below.

#### **6.3.1 Total Petroleum Hydrocarbons**

The lateral extents of TPH plumes appear similar to those interpreted a year ago for the October 2012 semiannual monitoring event. During the October 2013 semiannual sampling event, the highest concentrations of TPHg was 120,000 µg/L at monitoring well GMW-36, located in the southeastern 24-inch block valve area. The maximum concentration of TPHd was collected from the truck fill station area at well MW-15, with a concentration of 140,000 µg/L. TPHd was also very high in the 24-inch block valve area at GMW-36 with a concentration of 130,000 µg/L.



Low concentrations of TPH were detected in two of the Exposition aquifer wells sampled for SFPP during the October 2013 semiannual event, but were not detected in the split sample collected by DLA and analyzed at a different laboratory.

### **6.3.2 Benzene**

Benzene concentrations ranged from below detection limits in many wells to 17,000 µg/L in monitoring well MW-O-2, which is located offsite in the south-central plume area. Benzene was not detected in any of the offsite wells west of the site, nor in any of the Exposition wells.

The interpreted extent of the northern benzene plume has remained similar from the October 2012 interpretation. The benzene plume associated with the south-central area and the southeastern 24-inch block valve area also remained similar in lateral extent to that observed during the October 2012 semiannual monitoring event.

### **6.3.3 1,2-Dichloroethane**

The extent and magnitude of 1,2-DCA is similar to previous interpretations. The highest reported 1,2-DCA concentration during the reporting period was 16 µg/L in well MW-20 MID, located along Norwalk Boulevard on the western edge of the site. All detections of 1,2-DCA were below the risk-based cleanup goal for 1,2-DCA of 70 µg/L.

A trace detection of 1,2-DCA (0.36 µg/L) was reported in one of the Exposition aquifer wells (EXP-3) sampled for DLA during the October 2013 semiannual event, but was not detected in the split sample collected for SFPP and analyzed at a different laboratory.

### **6.3.4 Methyl Tertiary-Butyl Ether**

Concentrations of MTBE ranged from below detection limits in many wells to 32,000 µg/L at well PZ-5, located in southeastern 24-inch block valve area. The extent and magnitude of MTBE is generally similar to previous interpretations. Concentrations of MTBE in offsite monitoring wells west of the site generally remained at or below the detection limit. WCW-7 has trace detection of 0.6 µg/L. Two wells in the south-central plume area and three wells in the southeastern block valve area exceeded the risk-based cleanup goal of 40 µg/L. In the southeastern block valve area, the higher concentrations of MTBE observed in the extraction wells and nearby monitoring well PZ-5 can be attributed to continued remediation operations in this area. MTBE was not detected in any of the Exposition aquifer wells.

### **6.3.5 Tertiary-Butyl Alcohol**

The highest concentration of TBA was detected in the southeast corner of the site near the 24-inch block valve at PZ-5, with a concentration of 210,000 µg/L and 180,000 µg/L in the duplicate sample. In the south-central plume area, TBA was detected in the groundwater in several wells at a concentrations ranging from 23 to 700 µg/L. Although the magnitude of TBA in the south-central area may be masked by high reporting limits, due to dilution of samples for other hydrocarbon constituents, the extent of TBA is interpreted to be similar to the MTBE plume. In the north-central plume area, the highest concentration of TBA was detected at GMW-60 at a concentration of 880 µg/L. TBA is a known breakdown product

from MTBE degradation and the presence of TBA indicates that MTBE is being naturally bio-degraded.

### **6.3.6 Other Fuel Oxygenates**

Other fuel oxygenates including ETBE, DIPE, and TAME were analyzed during the October 2013 semiannual event. DIPE was detected in 7 wells located in the south-central plume area. ETBE was not detected in any wells, and TAME was detected in one well (TF-16) in the north-central plume area during the October 2013 sampling event.

## 7.0 REFERENCES

- CH2M HILL, 2013. *First Semiannual 2013 Groundwater Monitoring Report Defense Fuel Support Point Norwalk, California*, July 31.
- California Regional Water Quality Control Board, Los Angeles Region (RWQCB), Letter dated March 10, 2009a to Mr. Steve Osborn, Kinder Morgan Energy Partners; Additional Requirements on Groundwater Monitoring, Defense Fuel Support Point Norwalk, 15306 Norwalk Boulevard, Norwalk, California (SCP No. 0286B, Site No. 204DM00).
- California RWQCB, Letter dated March 11, 2009b to Mr. Kola Olowu, Defense Energy Support Center; Additional Groundwater Extraction Well on Groundwater Monitoring and Well Installation, Defense Fuel Support Point Norwalk, 15306 Norwalk Boulevard, Norwalk, California (SCP No. 0286A, Site No. 16638).
- Parsons, 2011. *Investigation Report for LNAPL Characterization and Vapor Monitoring Program, Defense Fuel Support Point Norwalk, California*, January 14.

**TABLES**

**TABLE 1**  
**Monitoring Well Summary**  
*Defense Fuel Support Point, Norwalk, California*

<b>Well</b>	<b>Installation Date</b>	<b>Installed By</b>	<b>Total Depth (ft bgs)<sup>1</sup></b>	<b>Casing Diameter (inches)</b>	<b>Screen Interval (ft bgs)</b>	<b>Slot Size (inches)</b>	<b>Casing Elevation (ft msl)<sup>2</sup></b>
BW-1	05/16/96	GMX <sup>3</sup>	55	5	31.9 - 51.4	0.01	73.17
BW-2	05/20/96	GMX	53.5	5	27 - 46.5	0.01	73.57
BW-3	05/17/96	GMX	55.5	5	30.6 - 50	0.01	74.16
BW-4	05/20/96	GMX	53.1	5	28.2 - 47	0.01	74.61
BW-5	05/23/96	GMX	52.5	5	27 - 45.5	0.01	73.59
BW-6	05/22/96	GMX	52.4	5	27.6 - 46.9	0.01	73.48
BW-7	05/22/96	GMX	52	5	27.1 - 46.3	0.01	74.65
BW-8	05/21/96	GMX	51.5	5	27 - 46.4	0.01	75.08
BW-9	05/21/96	GMX	52.5	5	26.9 - 46.4	0.01	76.19
EXP-1	03/06/92	WC <sup>4</sup>	128.5	4	82 - 122	0.01	78.44
EXP-2	10/15/92	WC	149	4	90 - 120	0.02	79.43
EXP-3	10/20/92	WC	150	4	85 - 115	0.01	77.58
EXP-4	07/07/98	GMX	118	4	96.1 - 115.2	0.02	79.81
EXP-5	07/08/98	GMX	120	4	94.4 - 113.4	0.02	72.41
GMW-1	05/16/91	GTI <sup>5</sup>	50	4	20 - 50	0.01	74.77
GMW-2	05/16/91	GTI	50	4	20 - 50	0.01	73.57
GMW-3	05/17/91	GTI	50	4	20 - 50	0.01	75.10
GMW-4	05/21/91	GTI	50	4	20 - 50	0.01	75.45
GMW-5	05/21/91	GTI	50	4	20 - 50	0.01	77.61
GMW-6	07/09/91	GTI	50	4	25 - 50	0.01	77.31
GMW-7	07/09/91	GTI	50	4	25 - 50	0.01	75.84
GMW-8	07/10/91	GTI	50	4	25 - 50	0.01	73.20
GMW-9	07/08/91	GTI	50	4	20 - 50	0.01	77.16
GMW-10	07/08/91	GTI	50	4	25 - 50	0.01	74.67
GMW-11	07/09/91	GTI	50	4	20 - 50	0.01	72.90
GMW-12	07/09/91	GTI	50	4	25 - 50	0.01	75.21
GMW-13	07/08/91	GTI	50	4	25 - 50	0.01	74.17
GMW-14	07/10/91	GTI	50	4	25 - 50	0.01	74.72
GMW-15	07/30/91	GTI	50	4	25 - 50	0.01	76.21
GMW-16	08/01/91	GTI	50	4	25 - 50	0.01	77.00
GMW-17	08/01/91	GTI	50	4	25 - 50	0.01	74.66
GMW-18	07/31/91	GTI	50	4	25 - 50	0.01	75.36
GMW-19	07/31/91	GTI	50	4	25 - 50	0.01	76.83
GMW-20	08/01/91	GTI	50	4	25 - 50	0.01	75.10
GMW-21 <sup>6</sup>	08/02/91	GTI	50	4	25 - 50	0.01	76.23
GMW-22	08/02/91	GTI	61	4	25 - 60	0.01	77.24
GMW-23	08/02/91	GTI	60	4	25 - 60	0.01	74.85
GMW-24	08/05/91	GTI	60	4	25 - 60	0.01	77.48
GMW-25	01/10/92	GTI	50	6	20 - 50	0.01	78.14
GMW-26	01/07/92	GTI	51.5	4	20 - 50	0.01	74.52
GMW-27	01/10/92	GTI	50	4	20 - 50	0.01	74.41
GMW-28	01/07/92	GTI	50	4	20 - 50	0.01	74.68
GMW-29	01/09/92	GTI	50	4	20 - 50	0.01	77.57
GMW-30	01/09/92	GTI	51.5	6	20 - 50	0.01	74.91
GMW-31	06/02/93	GTI	65	4	25 - 65	0.01	76.50
GMW-32	06/01/93	GTI	50	4	20 - 50	0.02	74.62
GMW-33	06/01/93	GTI	50	4	20 - 50	0.02	74.88

**TABLE 1**  
**Monitoring Well Summary**  
*Defense Fuel Support Point, Norwalk, California*

Well	Installation Date	Installed By	Total Depth (ft bgs) <sup>1</sup>	Casing Diameter (inches)	Screen Interval (ft bgs)	Slot Size (inches)	Casing Elevation (ft msl) <sup>2</sup>
GMW-34	06/03/93	GTI	50	4	20 - 50	0.02	75.25
GMW-35	06/04/93	GTI	50	4	20 - 50	0.02	76.12
GMW-36	04/11/94	GTI	50	4	20 - 50	0.01	76.66
GMW-37	04/11/94	GTI	50	4	20 - 50	0.01	77.32
GMW-38	04/12/94	GTI	50	4	20 - 50	0.01	75.47
GMW-39	04/12/94	GTI	50	4	20 - 50	0.01	75.05
GMW-40	06/29/94	GTI	50.5	4	20 - 50	0.01	73.13
GMW-41	06/30/94	GTI	50.5	4	20 - 50	0.01	74.46
GMW-42	06/30/94	GTI	50.5	4	20 - 50	0.01	75.50
GMW-43	07/01/94	GTI	50.5	4	20 - 50	0.01	74.44
GMW-44	07/01/94	GTI	50.5	4	20 - 50	0.01	74.45
GMW-45	07/01/94	GTI	50.5	4	20 - 50	0.01	75.67
GMW-46	07/05/94	GTI	50.5	4	20 - 50	0.01	76.10
GMW-47	07/05/94	GTI	50.5	4	20 - 50	0.01	75.98
GMW-48	07/05/94	GTI	50.5	4	20 - 50	0.01	75.03
GMW-49	07/06/94	GTI	50.5	4	20 - 50	0.01	74.75
GMW-50	12/19/94	GTI	46.5	4	15 - 45	0.01	75.51
GMW-51	12/19/94	GTI	41.5	4	15 - 40	0.01	75.93
GMW-52	12/19/94	GTI	41.5	4	15 - 40	0.01	75.03
GMW-53	12/19/94	GTI	46.5	4	15 - 45	0.01	74.90
GMW-54	12/20/94	GTI	46.5	4	15 - 45	0.01	75.16
GMW-55	12/20/94	GTI	41.5	4	15 - 40	0.01	74.60
GMW-56	08/12/98	FDGTI <sup>7</sup>	55	2	20 - 55	0.02	76.50
GMW-56	08/12/98	FDGTI	55	4	20 - 55	0.02	76.52
GMW-57	08/13/98	FDGTI	55	2	19 - 54	0.02	76.66
GMW-57	08/13/98	FDGTI	55	4	19 - 54	0.02	76.66
GMW-58	08/14/98	FDGTI	55	2	20 - 55	0.02	75.46
GMW-58	08/14/98	FDGTI	55	4	20 - 55	0.02	75.48
GMW-59	08/14/98	FDGTI	55	2	20 - 55	0.02	75.28
GMW-59	08/14/98	FDGTI	55	4	20 - 55	0.02	75.28
GMW-60	04/14/04	Parsons	50	4	25 - 40	0.01	76.24
GMW-61	04/14/04	Parsons	50	4	30 - 40	0.01	75.60
GMW-62	07/02/07	Parsons	40.5	4	20 - 40	0.01	76.34
GMW-63	09/29/08	Parsons	41	4	20 - 40	0.02	77.32
GMW-64	09/29/08	Parsons	41	4	19.5 - 39.5	0.02	75.84
GMW-65	07/06/09	Parsons	41.5	4	21 - 41	0.02	76.78
GMW-66	09/08/09	Parsons	40.5	4	20 - 40	0.02	77.00
GMW-O-1	03/04/92	GTI	51.5	4	19 - 49.5	0.01	71.45
GMW-O-2	03/02/92	GTI	51.5	4	20 - 50	0.01	72.54
GMW-O-3	03/02/92	GTI	51.5	4	20 - 50	0.01	72.19
GMW-O-4	03/03/92	GTI	51.5	4	20 - 50	0.01	71.95
GMW-O-4 (MID)	03/03/92	GTI	66.5	4	54.5 - 64.5	0.01	72.24
GMW-O-5	03/04/92	GTI	51.5	4	20 - 50	0.01	72.36
GMW-O-6	05/18/92	GTI	51.5	4	20 - 50	0.01	71.41
GMW-O-7	05/19/92	GTI	51.5	4	20 - 50	0.01	70.98
GMW-O-8	05/18/92	GTI	51	4	19.5 - 49.5	0.01	70.91
GMW-O-9	07/29/92	GTI	51.5	4	20 - 50	0.01	73.50

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Well	Installation Date	Installed By	Total Depth (ft bgs) <sup>1</sup>	Casing Diameter (inches)	Screen Interval (ft bgs)	Slot Size (inches)	Casing Elevation (ft msl) <sup>2</sup>
GMW-O-10	07/29/92	GTI	51.5	4	20 - 50	0.01	73.98
GMW-O-11	05/20/92	GTI	51.5	4	20 - 50	0.01	74.17
GMW-O-12	05/21/92	GTI	51.5	4	20 - 50	0.01	73.49
GMW-O-14	05/20/92	GTI	51.5	4	20 - 50	0.01	74.08
GMW-O-15	04/19/94	GTI	50	4	20 - 50	0.02	74.23
GMW-O-16	04/19/94	GTI	50	4	20 - 50	0.02	74.10
GMW-O-17	07/26/94	GMX	41	4	20.4 - 39.5	0.01	73.78
GMW-O-18	07/25/94	GMX	41	4	20.8 - 40.4	0.01	74.36
GMW-O-19	07/29/94	GMX	41.5	4	20.2 - 39.9	0.01	74.46
GMW-O-20	06/15/95	GMX	45.9	4	--- <sup>8</sup>	---	73.32
GMW-O-21	06/19/97	GMX	45.9	4	25.5 - 45.5	0.01	71.43
GMW-O-22	---	GMX	41	4	---	---	74.36
GMW-O-23	06/25/07	GMX	44	4	20 - 40	0.02	73.63
GMW-O-24	09/24/12	CH2MHill	45	4	20 - 40	0.01	74.39
GMW-SF-7	07/27/94	GMX	41	4	20.1 - 39.9	0.01	75.26
GMW-SF-8	07/28/94	GMX	41	4	19.5 - 39.5	0.01	76.75
GMW-SF-9	04/01/03	GMX	47	4	36.6 - 46.2	0.02	73.05
GMW-SF-10	04/02/03	GMX	47	4	36.7 - 46.4	0.02	75.77
GW-1	06/12/95	GTI	63	1	25 - 60	0.02	75.46
GW-1	06/12/95	GTI	63	4	25 - 60	0.02	75.97
GW-2	06/12/95	GTI	63	1	25 - 60	0.02	76.39
GW-2	06/12/95	GTI	63	4	25 - 60	0.02	75.78
GW-3	06/13/95	GTI	63	1	25 - 60	0.02	76.56
GW-3	06/13/95	GTI	63	4	25 - 60	0.02	75.79
GW-4	06/13/95	GTI	63	1	24 - 59	0.02	74.77
GW-4	06/13/95	GTI	63	4	24 - 59	0.02	73.86
GW-5	06/15/95	GTI	63	1	25.5 - 60.5	0.02	77.09
GW-5	06/15/95	GTI	63	4	25.5 - 60.5	0.02	76.99
GW-6	06/15/95	GTI	63	1	25 - 60	0.02	77.41
GW-6	06/15/95	GTI	63	4	25 - 60	0.02	76.38
GW-7	06/16/95	GTI	63	1	25 - 60	0.02	76.76
GW-7	06/16/95	GTI	63	4	25 - 60	0.02	75.02
GW-8	06/14/95	GTI	63	1	24 - 59	0.02	76.88
GW-8	06/14/95	GTI	63	4	24 - 59	0.02	76.15
GW-13	04/26/07	Parsons	65	1	25 - 65	0.02	77.00
GW-13	04/26/07	Parsons	67	6	25 - 65	0.02	76.85
GW-14	04/26/07	Parsons	65	1	25 - 65	0.02	76.55
GW-14	04/26/07	Parsons	67	6	25 - 65	0.02	76.54
GW-15	04/26/07	Parsons	62.5	1	20.5 - 60.5	0.02	75.36
GW-15	04/26/07	Parsons	60.5	6	20.5 - 60.6	0.02	74.94
GW-16p	07/07/09	Parsons	61.3	1	21 - 61	0.02	76.55
GW-16	07/07/09	Parsons	63	6	20.5 - 60.5	0.02	76.33
GWR-1	07/11/91	GTI	50	4	25 - 50	0.01	77.40
GWR-2	07/12/91	GTI	50	4	25 - 50	0.01	73.66
GWR-3	01/10/92	GTI	50	6	20 - 50	0.01	77.60
HL-1	10/14/86	HLA <sup>9</sup>	39	4	18 - 38	0.01	75.83
HL-2	10/13/86	HLA	39	4	16.5 - 36.5	0.01	76.94

**TABLE 1**  
**Monitoring Well Summary**  
*Defense Fuel Support Point, Norwalk, California*

Well	Installation Date	Installed By	Total Depth (ft bgs) <sup>1</sup>	Casing Diameter (inches)	Screen Interval (ft bgs)	Slot Size (inches)	Casing Elevation (ft msl) <sup>2</sup>
HL-3	10/15/86	HLA	44	4	19 - 39	0.01	76.86
HL-4	10/16/86	HLA	39	4	18 - 38.5	0.01	75.75
HL-5	10/16/86	HLA	39.5	4	18.5 - 39	0.01	76.13
MW-6	08/09/90	WC	50	4	18 - 48	0.01	77.20
MW-7	08/27/90	WC	50	4	19 - 48	0.01	78.13
MW-8	08/24/90	WC	51	4	18 - 48	0.01	76.06
MW-9	08/08/90	WC	50	4	18 - 48	0.01	77.11
MW-10	08/24/90	WC	51	4	18 - 48	0.01	79.12
MW-11	08/09/90	WC	50	4	18 - 48	0.01	78.17
MW-12	08/27/90	WC	50	4	18 - 48	0.01	75.76
MW-13	08/23/90	WC	50	4	18 - 48	0.01	78.25
MW-14	08/07/90	WC	50	4	18 - 48	0.01	78.60
MW-15	08/07/90	WC	50	4	18 - 48	0.01	76.99
MW-16	08/08/90	WC	50	4	18 - 48	0.01	76.87
MW-17	08/06/90	WC	50	4	18 - 48	0.01	77.86
MW-18 (MID)	06/10/91	WC	62.2	4	50 - 60	0.01	75.67
MW-19 (MID)	06/11/91	WC	62.2	4	49.5 - 59.5	0.01	78.14
MW-20 (MID)	06/12/91	WC	65.7	4	43 - 53	0.01	77.19
MW-21 (MID)	06/12/91	WC	62.4	4	47 - 57	0.01	77.55
MW-22 (MID)	06/13/91	WC	57.9	4	42 - 52	0.01	79.57
MW-23 (MID)	06/14/91	WC	57.1	4	42 - 52	0.01	79.59
MW-24	06/14/91	WC	47	4	14 - 44	0.01	78.51
MW-25	06/17/91	WC	47.2	4	22.5 - 42.5	0.01	79.15
MW-26	06/17/91	WC	47.3	4	23.5 - 43.5	0.01	77.40
MW-27	06/17/91	WC	52.3	4	18 - 48	0.01	78.46
MW-28	6/19/91	WC	51.5	4	16.5 - 46.5	0.01	78.53
MW-29	06/19/91	WC	52.4	4	17.5 - 47.5	0.01	79.13
MW-O-1	01/22/91	GMX	40	2	25 - 40	0.02	75.48
MW-O-2	01/23/91	GMX	40	2	25 - 40	0.02	71.90
MW-O-3	10/25/91	GMX	41	6	20.5 - 41	0.01	74.53
MW-O-4	10/25/91	GMX	41	4	20.5 - 41	0.01	75.00
MW-SF-1	06/18/90	GMX	40	4	25 - 40	0.02	78.93
MW-SF-2	06/18/90	GMX	40	4	25 - 40	0.02	78.53
MW-SF-3	06/18/90	GMX	40	4	25 - 40	0.02	78.12
MW-SF-4	06/19/90	GMX	40	4	25 - 40	0.02	79.38
MW-SF-5	09/19/90	GMX	40	4	23 - 38	0.02	79.74
MW-SF-6	09/19/90	GMX	40	4	24 - 39	0.02	76.80
MW-SF-9	06/15/95	GMX	40	4	25 - 40	---	74.10
MW-SF-10	09/23/03	GMX	30.5	4	10.3 - 29.9	0.02	76.53
MW-SF-11	06/19/07	GMX	44	4	20 - 40	0.02	78.56
MW-SF-12	06/18/07	GMX	44	4	20 - 40	0.02	78.07
MW-SF-13	06/19/07	GMX	44	4	20 - 40	0.02	73.40
MW-SF-14	06/21/07	GMX	44	4	20 - 40	0.02	78.16
MW-SF-15	06/21/07	GMX	44	4	20 - 40	0.02	78.27
MW-SF-16	06/20/07	GMX	44	4	20 - 40	0.02	78.21
PO-7	05/01/89	GW <sup>10</sup>	56	4	29 - 49	0.02	80.26
PW-1	01/06/92	GTI	51.5	4	20 - 50	0.01	75.52



**TABLE 1**  
**Monitoring Well Summary**  
*Defense Fuel Support Point, Norwalk, California*

Well	Installation Date	Installed By	Total Depth (ft bgs) <sup>1</sup>	Casing Diameter (inches)	Screen Interval (ft bgs)	Slot Size (inches)	Casing Elevation (ft msl) <sup>2</sup>
PW-2	01/06/92	GTI	50	4	20 - 50	0.01	74.71
PW-3	01/06/92	GTI	50	4	20 - 50	0.01	73.71
PZ-1	07/12/91	GTI	50	2	25 - 50	0.01	73.74
PZ-2	07/12/91	GTI	50	2	25 - 50	0.01	73.96
PZ-3	06/03/93	GTI	65	2	25 - 65	0.02	76.17
PZ-4	06/02/93	GTI	60	2	25 - 60	0.02	76.13
PZ-5	09/26/00	GMX	40.3	4	20.6 - 39.4	0.01	73.97
PZ-6	09/26/00	GMX	37.5	4	22.8 - 37.8	0.01	73.91
PZ-7A	04/07/03	GMX	32	2	21.5 - 31.2	0.01	73.87
PZ-7B	04/07/03	GMX	47.5	2	42 - 46.7	0.01	73.79
PZ-8A	04/08/03	GMX	31.5	2	21.2 - 31	0.01	75.81
PZ-8B	04/08/03	GMX	47	2	41.4 - 46.2	0.01	75.69
PZ-9A	04/09/03	GMX	32	2	21.6 - 30.9	0.01	76.14
PZ-9B	04/09/03	GMX	47	2	41.5 - 46.2	0.01	76.26
PZ-10	04/10/03	GMX	38.5	2	23.2 - 37.9	0.02	74.34
TF-8	09/22/95	GTI	63	1.5	25 - 60	0.02	75.60
TF-8	09/22/95	GTI	63	4	25 - 60	0.02	74.86
TF-9	09/22/95	GTI	63	1.5	25 - 60	0.02	75.27
TF-9	09/22/95	GTI	63	4	25 - 60	0.02	74.47
TF-10	09/25/95	GTI	63	1.5	25 - 60	0.02	74.19
TF-10	09/25/95	GTI	63	4	25 - 60	0.02	73.61
TF-11	09/25/95	GTI	63	1.5	25 - 60	0.02	74.95
TF-11	09/25/95	GTI	63	4	25 - 60	0.02	74.40
TF-13	09/26/95	GTI	63	1.5	25 - 60	0.02	75.90
TF-13	09/26/95	GTI	63	4	25 - 60	0.02	75.47
TF-14	09/27/95	GTI	63	1.5	25 - 60	0.02	74.78
TF-14	09/27/95	GTI	63	4	25 - 60	0.02	74.35
TF-15	09/28/95	GTI	63	1.5	25 - 60	0.02	75.40
TF-15	09/28/95	GTI	63	4	25 - 60	0.02	74.78
TF-16	09/28/95	GTI	63	1.5	25 - 60	0.02	76.48
TF-16	09/28/95	GTI	63	4	25 - 60	0.02	75.89
TF-17	09/29/95	GTI	63	1.5	25 - 60	0.02	75.26
TF-17	09/29/95	GTI	63	4	25 - 60	0.02	74.88
TF-18	07/06/94	GTI	50.5	4	20 - 50	0.02	73.94
TF-19	10/03/95	GTI	63	1.5	25 - 60	0.02	75.61
TF-19	10/03/95	GTI	63	4	25 - 60	0.02	75.07
TF-20	10/03/95	GTI	63	1.5	25 - 60	0.02	75.59
TF-20	10/03/95	GTI	63	4	25 - 60	0.02	75.08
TF-21	09/29/95	GTI	63	1.5	25 - 60	0.02	75.60
TF-21	09/29/95	GTI	63	4	25 - 60	0.02	74.96
TF-22	10/02/95	GTI	63	1.5	25 - 60	0.02	74.95
TF-22	10/02/95	GTI	63	4	25 - 60	0.02	74.76
TF-23	07/05/94	GTI	50.5	4	20 - 50	0.02	75.31
TF-24 <sup>11</sup>	09/26/95	GTI	63	1.5	25 - 60	0.02	76.35
TF-24 <sup>11</sup>	09/26/95	GTI	63	4	25 - 60	0.02	76.43
TF-25	04/04/01	GTI	47	1.5	41 - 46	0.02	---
TF-25	04/04/01	GTI	47	4	26 - 36	0.02	74.85

**TABLE 1**  
**Monitoring Well Summary**  
*Defense Fuel Support Point, Norwalk, California*

Well	Installation Date	Installed By	Total Depth (ft bgs) <sup>1</sup>	Casing Diameter (inches)	Screen Interval (ft bgs)	Slot Size (inches)	Casing Elevation (ft msl) <sup>2</sup>
TF-26	04/03/01	GTI	47	1.5	41 - 46	0.02	---
TF-26	04/03/01	GTI	47	4	26 - 36	0.02	75.85
WCW-1	02/18/92	WC	52	4	20 - 50	0.01	72.86
WCW-2	02/21/92	WC	52	4	20 - 50	0.01	75.34
WCW-3	02/19/92	WC	56.5	4	19 - 49	0.01	76.16
WCW-4	02/20/92	WC	56.5	4	20 - 50	0.01	78.05
WCW-5	04/30/92	WC	52	4	19 - 49	0.01	73.49
WCW-6	04/20/92	WC	53.5	4	20 - 50	0.01	75.52
WCW-7	04/29/92	WC	53	4	20 - 50	0.01	76.44
WCW-8	04/21/92	WC	53.5	4	20 - 50	0.01	77.34
WCW-9	04/28/92	WC	53.5	4	20 - 50	0.01	77.74
WCW-10	09/11/92	WC	56.5	4	25 - 55	0.01	74.06
WCW-11	09/09/92	WC	61.5	4	30 - 60	0.01	75.29
WCW-12	09/08/92	WC	61.5	4	30 - 60	0.01	76.27
WCW-13	09/10/92	WC	61.5	4	30 - 60	0.01	77.70
WCW-14	08/12/98	FDGTI	59	4	24 - 59	0.01	78.81

Notes:

1. ft bgs = feet below ground surface.
2. ft msl = feet above mean sea level.
3. GMX = Geomatrix Consultants.
4. WC = Woodward-Clyde.
5. GTI = Groundwater Technology/Groundwater Technology Government Services.
6. GMW-21 is also referred to as TF-24.
7. FDGTI - Fluor Daniel GTI.
8. --- = information not available.
9. HLA = Harding Lawson Associates.
10. GW = Golden West
11. TF-24 is also referred to as "old TF-24" or "former TF-24". See also Note 6.
12. Biosparge and additional soil vapor extraction wells used for remediation purposes only are not listed here.

**TABLE 2**  
**Summary of Groundwater Elevations – 2013 Second Semiannual Event**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation <sup>1</sup>	Depth to Product (feet) <sup>2</sup>	Depth to Water (feet) <sup>2</sup>	Apparent Product Thickness (feet)	Groundwater Elevation <sup>1</sup>
EXP-1	10/01/13	78.44	--- <sup>3</sup>	55.34	---	23.10
EXP-1	10/07/13	78.44	---	55.41	---	23.03
EXP-2	10/01/13	79.43	---	55.89	---	23.54
EXP-2	10/07/13	79.43	---	55.88	---	23.55
EXP-3	10/02/13	77.58	---	54.61	---	22.97
EXP-3	10/07/13	77.58	---	54.62	---	22.96
EXP-4	10/07/13	79.81	---	55.62	---	24.19
EXP-5	10/07/13	72.41	---	50.13	---	22.28
GMW-1	10/07/13	74.77	---	30.25	---	44.52
GMW-4	10/07/13	75.45	30.33	30.43	0.10	45.10 <sup>4</sup>
GMW-5	10/01/13	77.61	---	33.08	---	44.53
GMW-6	10/01/13	77.31	---	32.66	---	44.65
GMW-7	10/02/13	75.84	31.28	31.41	0.13	44.54
GMW-9	10/07/13	77.16	31.25	35.30	4.05	45.26
GMW-10	10/07/13	---	29.32	31.85	2.53	---
GMW-12	10/02/13	75.21	---	30.54	---	44.67
GMW-13	10/07/13	74.17	---	29.65	---	44.52
GMW-14	10/07/13	74.72	---	30.15	---	44.57
GMW-15	10/01/13	76.21	---	31.60	---	44.61
GMW-16	10/02/13	77.00	---	32.35	---	44.65
GMW-17	10/02/13	74.66	---	30.11	---	44.55
GMW-18	10/02/13	75.36	30.24	32.17	1.93	44.81
GMW-19	10/02/13	76.83	---	32.29	---	44.54
GMW-20	10/02/13	75.10	---	30.54	---	44.56
GMW-21	10/01/13	76.23	31.32	32.00	0.68	44.80
GMW-22	10/07/13	77.24	31.65	34.28	2.63	45.17
GMW-23	10/07/13	74.85	---	30.27	---	44.58
GMW-24	10/07/13	77.48	31.61	35.42	3.81	45.26
GMW-25	10/07/13	78.14	33.10	33.23	0.13	45.02
GMW-26	10/07/13	74.52	---	29.94	---	44.58
GMW-27	10/07/13	74.41	---	29.45	---	44.96
GMW-28	10/07/13	74.68	---	29.46	---	45.22
GMW-29	10/07/13	77.57	---	30.30	---	47.27
GMW-30	10/07/13	74.91	---	30.32	---	44.59
GMW-31	10/02/13	76.50	---	31.98	---	44.52
GMW-32	10/02/13	74.62	---	29.98	---	44.64
GMW-33	10/02/13	74.88	---	---	---	---
GMW-35	10/02/13	76.12	31.38	31.71	0.33	44.69
GMW-36	10/07/13	76.66	30.72	34.65	3.93	45.31
GMW-37	10/07/13	77.32	---	32.51	---	44.81
GMW-38	10/07/13	75.47	---	30.31	---	45.16
GMW-39	10/07/13	75.05	---	29.92	---	45.13
GMW-40	10/02/13	73.13	---	28.57	---	44.56
GMW-41	10/02/13	74.46	---	29.89	---	44.57
GMW-42	10/02/13	75.50	---	30.99	---	44.51
GMW-43	10/02/13	74.44	---	30.00	---	44.44
GMW-44	10/02/13	74.45	---	30.25	---	44.20
GMW-45	10/01/13	75.67	31.07	31.09	0.02	44.60

**TABLE 2**  
**Summary of Groundwater Elevations – 2013 Second Semiannual Event**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation <sup>1</sup>	Depth to Product (feet) <sup>2</sup>	Depth to Water (feet) <sup>2</sup>	Apparent Product Thickness (feet)	Groundwater Elevation <sup>1</sup>
GMW-47	10/01/13	75.98	---	31.28	---	44.70
GMW-48	10/02/13	75.03	---	29.45	---	45.58
GMW-54	10/02/13	75.16	---	30.50	---	44.66
GMW-56	10/01/13	76.52	---	31.78	---	44.74
GMW-57	10/01/13	76.66	---	31.88	---	44.78
GMW-58	10/02/13	75.48	---	29.90	---	45.58
GMW-59	10/01/13	75.28	---	29.35	---	45.93
GMW-60	10/01/13	76.24	---	31.35	---	44.89
GMW-61	10/02/13	75.60	---	30.70	---	44.90
GMW-62	10/02/13	76.34	31.00	32.33	1.33	45.13
GMW-63	10/02/13	77.32	---	31.92	---	45.40
GMW-64	10/02/13	75.84	---	30.49	---	45.35
GMW-65	10/02/13	76.78	---	31.75	---	45.03
GMW-66	10/01/13	77.00	---	32.06	---	44.94
GMW-O-1	10/07/13	71.45	---	25.72	---	45.73
GMW-O-2	10/07/13	72.54	---	26.80	---	45.74
GMW-O-3	10/07/13	72.19	---	26.93	---	45.26
GMW-O-4	10/07/13	71.95	---	26.51	---	45.44
GMW-O-5	10/07/13	72.36	---	27.00	---	45.36
GMW-O-6	10/07/13	71.41	---	25.31	---	46.10
GMW-O-7	10/07/13	70.98	---	24.12	---	46.86
GMW-O-8	10/07/13	70.91	---	24.53	---	46.38
GMW-O-9	10/07/13	73.50	---	28.31	---	45.19
GMW-O-10	10/07/13	73.98	---	29.17	---	44.81
GMW-O-11	10/07/13	74.17	27.69	31.19	3.50	45.92
GMW-O-12	10/07/13	73.49	27.28	27.34	0.06	46.20
GMW-O-14	10/07/13	74.08	---	28.84	---	45.24
GMW-O-15	10/07/13	74.23	28.26	29.03	0.77	45.85
GMW-O-16	10/07/13	74.10	---	28.48	---	45.62
GMW-O-17	10/07/13	73.78	---	28.21	---	45.57
GMW-O-18	10/07/13	74.36	---	26.67	---	47.69
GMW-O-19	10/07/13	74.46	---	28.68	---	45.78
GMW-O-20	10/07/13	73.32	27.06	32.09	5.03	45.46
GMW-O-23	10/07/13	73.63	28.30	32.86	4.56	44.60
GMW-O-24	10/23/13	74.39	---	29.40	---	44.99
GMW-SF-7	10/07/13	75.26	---	30.08	---	45.18
GMW-SF-8	10/07/13	76.75	---	32.16	---	44.59
GW-1	10/01/13	75.97	---	31.30	---	44.67
GW-2	10/01/13	75.78	---	30.95	---	44.83
GW-3	10/01/13	75.79	---	31.14	---	44.65
GW-5	10/01/13	76.99	---	32.33	---	44.66
GW-6	10/01/13	76.38	---	31.78	---	44.60
GW-7	10/02/13	75.02	---	30.44	---	44.58
GW-8	10/01/13	76.15	---	31.53	---	44.62
GW-13	10/01/13	76.85	---	32.24	---	44.61
GW-14	10/02/13	76.54	---	32.04	---	44.50
GW-15	10/02/13	74.94	31.70	35.01	3.31	42.71
GW-16	10/02/13	76.33	---	31.77	---	44.56
GWR-1	10/07/13	77.40	---	29.66	---	47.74

**TABLE 2**  
**Summary of Groundwater Elevations – 2013 Second Semiannual Event**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation <sup>1</sup>	Depth to Product (feet) <sup>2</sup>	Depth to Water (feet) <sup>2</sup>	Apparent Product Thickness (feet)	Groundwater Elevation <sup>1</sup>
GWR-3	10/07/13	77.60	31.67	36.20	4.53	45.21
HL-2	10/07/13	76.94	---	32.21	---	44.73
HL-3	10/07/13	76.86	---	32.50	---	44.36
HW-2	10/07/13	---	---	---	---	---
MW-6	10/07/13	77.20	---	32.14	---	45.06
MW-7	10/07/13	78.13	---	33.04	---	45.09
MW-8	10/07/13	76.06	---	31.15	---	44.91
MW-9	10/07/13	77.11	---	31.95	---	45.16
MW-12	10/07/13	75.76	---	31.02	---	44.74
MW-13	10/01/13	78.25	---	33.48	---	44.77
MW-14	10/01/13	78.60	---	33.90	---	44.70
MW-15	10/07/13	76.99	31.87	32.18	0.31	45.07
MW-16	10/02/13	76.87	---	32.14	---	44.73
MW-17	10/01/13	77.86	---	33.07	---	44.79
MW-18 MID	10/07/13	75.67	---	35.33	---	40.34
MW-19 MID	10/07/13	78.14	---	36.14	---	42.00
MW-20 MID	10/07/13	77.19	---	34.37	---	42.82
MW-21 MID	10/07/13	77.55	---	32.62	---	44.93
MW-22 MID	10/02/13	79.57	---	36.18	---	43.39
MW-24	10/01/13	78.51	---	33.87	---	44.64
MW-26	10/02/13	77.40	---	32.72	---	44.68
MW-27	10/02/13	78.46	---	33.78	---	44.68
MW-28	10/02/13	78.53	---	33.89	---	44.64
MW-29	10/02/13	79.13	---	34.50	---	44.63
MW-O-1	10/07/13	75.48	---	29.21	---	46.27
MW-O-2	10/07/13	71.90	---	29.06	---	42.84
MW-SF-1	10/07/13	78.93	31.72	37.14	5.42	46.34
MW-SF-2	10/07/13	78.53	33.08	34.58	1.50	45.21
MW-SF-3	11/14/13	78.12	---	33.26	---	44.86
MW-SF-4	10/07/13	79.38	---	Dry	---	---
MW-SF-5	10/07/13	79.74	---	34.58	---	45.16
MW-SF-6	11/14/13	76.80	---	31.9	---	44.90
MW-SF-9	10/07/13	74.10	---	28.95	---	45.15
MW-SF-10	10/07/13	76.53	---	Dry	---	---
MW-SF-11	10/07/13	78.56	---	33.91	---	44.65
MW-SF-13	11/14/13	73.40	28.25	29.95	1.70	44.88
MW-SF-14	11/14/13	78.16	33.19	33.57	0.38	44.91
MW-SF-15	11/14/13	78.27	33.38	33.41	0.03	44.89
MW-SF-16	11/14/13	78.21	33.21	33.80	0.59	44.91
PW-1	10/07/13	75.52	---	Dry	---	---
PW-2	10/07/13	74.71	---	Dry	---	---
PW-3	10/07/13	73.71	---	28.57	---	45.14
PZ-2	10/07/13	73.96	---	29.28	---	44.68
PZ-3	10/02/13	76.17	---	31.45	---	44.72
PZ-5	10/07/13	73.97	---	29.31	---	44.66
TF-8	10/02/13	74.86	---	30.14	---	44.72
TF-9	10/02/13	74.47	---	29.83	---	44.64
TF-15	10/02/13	74.78	29.97	30.04	0.07	44.80
TF-16	10/02/13	75.89	---	31.16	---	44.73

**TABLE 2**  
**Summary of Groundwater Elevations – 2013 Second Semiannual Event**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation <sup>1</sup>	Depth to Product (feet) <sup>2</sup>	Depth to Water (feet) <sup>2</sup>	Apparent Product Thickness (feet)	Groundwater Elevation <sup>1</sup>
TF-17	10/02/13	74.88	---	30.42	---	44.46
TF-18	10/02/13	73.94	28.68	29.47	0.79	45.13
TF-19	10/02/13	75.07	---	30.14	---	44.93
TF-20	10/02/13	75.08	30.93	30.95	0.02	44.15
TF-21	10/02/13	74.96	---	30.15	---	44.81
TF-23	10/02/13	75.31	30.34	30.56	0.22	44.93
TF-24	10/01/13	76.43	---	31.84	---	44.59
VEW-1	10/07/13	---	---	Dry	---	---
VEW-2	10/07/13	---	---	Dry	---	---
WCW-1	10/07/13	72.86	---	27.63	---	45.23
WCW-2	10/07/13	75.34	---	30.25	---	45.09
WCW-3	10/07/13	76.16	---	31.00	---	45.16
WCW-4	10/07/13	78.05	---	32.78	---	45.27
WCW-5	10/07/13	73.49	---	28.62	---	44.87
WCW-6	10/07/13	75.52	---	30.56	---	44.96
WCW-7	10/07/13	76.44	---	32.25	---	44.19
WCW-8	10/07/13	77.34	---	32.42	---	44.92
WCW-9	10/07/13	77.74	---	33.04	---	44.70
WCW-10	10/07/13	74.06	---	28.01	---	46.05
WCW-11	10/07/13	75.29	---	29.54	---	45.75
WCW-12	10/07/13	76.27	---	31.13	---	45.14
WCW-13	10/07/13	77.70	---	32.66	---	45.04
WCW-14	10/07/13	78.81	---	33.41	---	45.40

**Notes:**

1. Feet above mean sea level, based on Los Angeles County Datum, 1980.
2. Below top of casing.
3. --- = product not detected or not applicable or not calculated.
4. Groundwater elevations were corrected with respect to product thickness measured in the well by means of the following calculation: 'Groundwater Elevation = (Top of Casing Elevation - Depth to Water) + Apparent Product Thickness\*0.84.

**TABLE 3**  
**Summary of Groundwater Analytical Data - 2013 Second Semiannual Event**  
*Defense Fuel Support Point, Norwalk, California*

Well	Sample Date	TPHg <sup>1</sup>	TPHd <sup>2</sup>	Benzene	Toluene	Ethylbenzene	Xylenes <sup>3</sup>	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>
<b>Results reported in micrograms per liter (µg/L)</b>													
EXP-1	10/07/13	< 50 <sup>10</sup>	<b>130</b>	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
EXP-1	10/07/13	< 100	< 100	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
EXP-2	10/07/13	< 50	<b>140</b>	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
EXP-2	10/07/13	< 100	< 100	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
EXP-3	10/07/13	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
EXP-3	10/07/13	< 100	< 100	< 0.50	< 0.50	< 0.50	< 0.5	<b>0.36 J<sup>11</sup></b>	< 0.50	< 10	< 2.0	< 2.0	< 2.0
EXP-4	10/08/13	< 50	< 100	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
EXP-5	10/09/13	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-1	10/10/13	< 200	<b>270</b>	< 1	< 1	< 1	< 1	< 2	<b>1.7</b>	<b>29</b>	< 2	< 2	< 2
GMW-4	10/11/13	<b>1800</b>	<b>2400</b>	<b>24</b>	< 0.5	<b>1.1</b>	<b>1.7</b>	< 1	<b>2.2</b>	< 10	< 1	< 1	< 1
GMW-5	10/08/13	< 100	<b>120 J</b>	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
GMW-6	10/08/13	< 100	<b>250 J</b>	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	<b>1.2</b>	<b>57</b>	< 2.0	< 2.0	< 2.0
GMW-10	10/11/13	<b>13000</b>	<b>9500</b>	<b>1100</b>	<b>800</b>	<b>350</b>	<b>1900</b>	< 20	< 10	< 200	< 20	< 20	< 20
GMW-12	10/08/13	< 100	<b>700 J</b>	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
GMW-13	10/09/13	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-14	10/10/13	< 50	<b>110</b>	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-15	10/08/13	<b>350 J</b>	<b>4600 J</b>	< 0.50	< 0.50	<b>0.19 J</b>	< 0.5	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
GMW-16	10/08/13	< 100	<b>250 J</b>	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
GMW-17	10/09/13	<b>680 J</b>	<b>4200 J</b>	<b>16</b>	<b>1.2</b>	<b>1.7</b>	<b>11.62</b>	< 0.50	<b>0.48 J</b>	<b>30</b>	< 2.0	< 2.0	< 2.0
GMW-17 DUP <sup>12</sup>	10/09/13	<b>670 J</b>	<b>4200 J</b>	<b>16</b>	<b>1.2</b>	<b>1.6</b>	<b>11.61</b>	< 0.50	<b>0.46 J</b>	<b>28</b>	< 2.0	< 2.0	< 2.0
GMW-19	10/07/13	< 100	< 100	<b>0.81</b>	< 0.50	< 0.50	< 0.5	< 0.50	<b>2.3</b>	< 10	< 2.0	< 2.0	< 2.0
GMW-27	10/10/13	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<b>570</b>	<b>9.3</b>	< 1	< 1
GMW-27 DUP	10/10/13	<b>61</b>	< 50	< 0.5	< 0.5	< 0.5	< 0.5	<b>0.51</b>	< 0.5	<b>700</b>	<b>13</b>	< 1	< 1
GMW-31	10/07/13	< 100	<b>210 J</b>	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
GMW-32	10/08/13	< 100	<b>1200 J</b>	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	< 0.50	<b>7.3 J</b>	< 2.0	< 2.0	< 2.0
GMW-36	10/11/13	<b>120000</b>	<b>130000</b>	<b>9600</b>	<b>18000</b>	<b>3400</b>	<b>18000</b>	< 200	<b>380</b>	< 2000	< 200	< 200	< 200
GMW-37	10/09/13	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-38	10/10/13	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-39	10/10/13	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<b>1.8</b>	<b>420</b>	< 1	< 1	< 1
GMW-39 DUP	10/10/13	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<b>1.6</b>	<b>370</b>	< 1	< 1	< 1
GMW-40	10/08/13	<b>120 J</b>	<b>460 J</b>	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
GMW-41	10/07/13	< 100	< 100	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	<b>0.5 J</b>	< 10	< 2.0	< 2.0	< 2.0
GMW-42	10/09/13	< 100	<b>120 J</b>	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
GMW-43	10/07/13	< 100	<b>180 J</b>	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
GMW-44	10/07/13	< 100	< 100	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0

**TABLE 3**  
**Summary of Groundwater Analytical Data - 2013 Second Semiannual Event**  
*Defense Fuel Support Point, Norwalk, California*

Well	Sample Date	TPHg <sup>1</sup>	TPHd <sup>2</sup>	Benzene	Toluene	Ethylbenzene	Xylenes <sup>3</sup>	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>
GMW-47	10/08/13	< 100	<b>990 J</b>	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	<b>4.8</b>	<b>490</b>	< 2.0	< 2.0	< 2.0
GMW-48	10/09/13	<b>1200 J</b>	<b>3100 J</b>	<b>450</b>	<b>0.49 J</b>	<b>1.3</b>	<b>1.48 J</b>	< 0.50	<b>0.78</b>	<b>32</b>	< 2.0	< 2.0	< 2.0
GMW-56	10/08/13	< 100	<b>190 J</b>	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
GMW-57	10/08/13	< 100	<b>140 J</b>	<b>0.34 J</b>	< 0.50	< 0.50	<b>0.99</b>	< 0.50	<b>0.74</b>	< 10	< 2.0	< 2.0	< 2.0
GMW-58	10/08/13	<b>460 J</b>	<b>1200 J</b>	<b>4.7</b>	< 0.50	< 0.50	< 0.5	< 0.50	<b>0.43 J</b>	<b>15</b>	< 2.0	< 2.0	< 2.0
GMW-59	10/09/13	<b>1400 J</b>	<b>3100 J</b>	<b>240</b>	< 0.50	<b>0.76</b>	<b>0.3 J</b>	< 0.50	<b>5.1</b>	< 10	< 2.0	< 2.0	< 2.0
GMW-59 DUP	10/09/13	<b>1500 J</b>	<b>3400 J</b>	<b>270</b>	< 0.50	<b>1</b>	<b>0.69 J</b>	< 0.50	<b>6.1</b>	< 10	< 2.0	< 2.0	< 2.0
GMW-60	10/09/13	<b>920 J</b>	<b>2300 J</b>	<b>25</b>	< 0.50	<b>0.7</b>	<b>0.59 J</b>	< 0.50	< 0.50	<b>800</b>	< 2.0	< 2.0	< 2.0
GMW-60 DUP	10/09/13	<b>880 J</b>	<b>2500 J</b>	<b>30</b>	< 0.50	<b>0.94</b>	<b>0.69 J</b>	< 0.50	< 0.50	<b>880</b>	< 2.0	< 2.0	< 2.0
GMW-61	10/08/13	<b>130 J</b>	<b>390 J</b>	<b>9.4</b>	< 0.50	< 0.50	< 0.5	< 0.50	< 0.50	<b>210</b>	< 2.0	< 2.0	< 2.0
GMW-61 DUP	10/08/13	<b>150 J</b>	<b>360 J</b>	<b>8.5</b>	< 0.50	< 0.50	< 0.5	< 0.50	< 0.50	<b>210</b>	< 2.0	< 2.0	< 2.0
GMW-63	10/07/13	< 100	< 100	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
GMW-64	10/07/13	< 100	< 100	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
GMW-65	10/07/13	< 100	<b>210 J</b>	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
GMW-66	10/07/13	< 100	<b>150 J</b>	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
GMW-O-1	10/09/13	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-O-2	10/09/13	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-O-3	10/09/13	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-O-4	10/09/13	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-O-5	10/09/13	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-O-9	10/10/13	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-O-10	10/11/13	<b>75</b>	<b>64</b>	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-O-10 DUP	10/11/13	<b>75</b>	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-O-12	10/11/13	<b>30000</b>	<b>73000</b>	<b>13000</b>	< 63	< 63	< 63	< 130	< 63	< 1300	< 130	< 130	< 130
GMW-O-14	10/11/13	<b>54000</b>	<b>3000</b>	<b>14000</b>	<b>760</b>	<b>2200</b>	<b>3000</b>	< 130	<b>64</b>	< 1300	<b>260</b>	< 130	< 130
GMW-O-15	10/11/13	<b>56000</b>	<b>88000</b>	<b>7600</b>	<b>2300</b>	<b>750</b>	<b>4100</b>	< 100	<b>8000</b>	<b>7100</b>	< 100	< 100	< 100
GMW-O-16	10/10/13	<b>170</b>	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<b>24</b>	< 1	< 1	< 1
GMW-O-17	10/09/13	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-O-18	10/10/13	<b>120</b>	< 50	<b>2.2</b>	<b>1.1</b>	< 0.5	<b>6</b>	< 0.5	< 0.5	<b>6000</b>	< 1	< 1	< 1
GMW-O-19	10/09/13	<b>110</b>	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-O-24	10/23/13	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<b>1.2</b>	< 10	< 1	< 1	< 1
GMW-O-24 DUP	10/23/13	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<b>1.1</b>	< 10	< 1	< 1	< 1
GMW-SF-7	10/09/13	< 50	< 50	< 0.5	< 0.5	< 0.5	<b>1.1</b>	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-SF-8	10/09/13	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GW-2	10/07/13	< 100	< 100	< 0.50	< 0.50	< 0.50	< 0.5	<b>4.3</b>	<b>0.55</b>	< 10	< 2.0	< 2.0	< 2.0
GW-3	10/07/13	< 100	< 100	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0



**TABLE 3**  
**Summary of Groundwater Analytical Data - 2013 Second Semiannual Event**  
*Defense Fuel Support Point, Norwalk, California*

Well	Sample Date	TPHg <sup>1</sup>	TPHd <sup>2</sup>	Benzene	Toluene	Ethylbenzene	Xylenes <sup>3</sup>	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>
GW-6	10/08/13	< 100	<b>180 J</b>	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	<b>1.1</b>	<b>12</b>	< 2.0	< 2.0	< 2.0
GW-8	10/09/13	< 100	<b>190 J</b>	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
GW-13	10/09/13	< 100	< 100	< 0.50	< 0.50	< 0.50	< 0.5	<b>2.4</b>	<b>0.92</b>	< 10	< 2.0	< 2.0	< 2.0
GW-14	10/09/13	<b>1600 J</b>	<b>3400 J</b>	<b>48</b>	< 0.50	<b>7.3</b>	<b>1.15 J</b>	< 0.50	<b>15</b>	< 10	< 2.0	< 2.0	< 2.0
GW-14 DUP	10/09/13	<b>1600 J</b>	<b>3200 J</b>	<b>48</b>	< 0.50	<b>6.9</b>	<b>1.01 J</b>	< 0.50	<b>15</b>	< 10	< 2.0	< 2.0	< 2.0
GW-16	10/09/13	< 100	<b>1300 J</b>	<b>1</b>	< 0.50	< 0.50	< 0.5	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
GWR-1	10/11/13	< 200	<b>220</b>	< 1	< 1	< 1	< 1	< 2	<b>6.7</b>	<b>120</b>	<b>12</b>	< 2	< 2
HL-2	10/09/13	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
HL-3	10/10/13	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
MW-6	10/10/13	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	<b>0.82</b>	<b>0.51</b>	< 10	< 1	< 1	< 1
MW-7	10/10/13	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	<b>1.1</b>	< 0.5	< 10	< 1	< 1	< 1
MW-8	10/10/13	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
MW-9	10/10/13	<b>1200</b>	<b>2100</b>	<b>4.2</b>	< 1	< 1	< 1	< 2	<b>11</b>	<b>45</b>	< 2	< 2	< 2
MW-12	10/09/13	< 50	< 100	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
MW-13	10/08/13	< 100	<b>330 J</b>	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
MW-15	10/11/13	<b>2000</b>	<b>140000</b>	< 1	< 1	< 1	< 1	< 2	< 1	< 20	< 2	< 2	< 2
MW-17	10/08/13	< 100	<b>110 J</b>	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
MW-19 MID	10/10/13	<b>54</b>	< 50	< 0.5	< 0.5	< 0.5	< 0.5	<b>7.4</b>	<b>2</b>	<b>350</b>	<b>25</b>	< 1	< 1
MW-20 MID	10/10/13	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	<b>16</b>	<b>14</b>	<b>29</b>	<b>11</b>	< 1	< 1
MW-21 MID	10/10/13	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	<b>2.8</b>	<b>0.81</b>	<b>35</b>	<b>3</b>	< 1	< 1
MW-22 MID	10/07/13	< 100	<b>240 J</b>	< 0.50	< 0.50	< 0.50	< 0.5	<b>3.7</b>	<b>4.6</b>	< 10	< 2.0	< 2.0	< 2.0
MW-24	10/08/13	< 100	<b>230 J</b>	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	<b>1</b>	< 10	< 2.0	< 2.0	< 2.0
MW-26	10/08/13	<b>610</b>	<b>730 J</b>	<b>9.9</b>	<b>0.33 J</b>	<b>0.95</b>	<b>0.74 J</b>	< 0.50	<b>0.97</b>	<b>5.9 J</b>	< 2.0	< 2.0	< 2.0
MW-27	10/08/13	< 100	<b>130 J</b>	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	<b>1.3</b>	<b>5.7 J</b>	< 2.0	< 2.0	< 2.0
MW-29	10/08/13	<b>570</b>	<b>2900 J</b>	<b>0.21 J</b>	< 0.50	<b>0.75</b>	<b>1.4</b>	< 0.50	< 0.50	<b>8.7 J</b>	< 2.0	< 2.0	< 2.0
MW-O-2	10/11/13	<b>43000</b>	<b>4800</b>	<b>17000</b>	<b>710</b>	<b>530</b>	<b>1500</b>	< 130	<b>710</b>	< 1300	< 130	< 130	< 130
MW-SF-9	10/11/13	<b>4100</b>	<b>7300</b>	<b>910</b>	<b>220</b>	<b>55</b>	<b>310</b>	< 20	<b>17</b>	< 200	< 20	< 20	< 20
PW-3	10/09/13	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
PZ-2	10/11/13	<b>400</b>	<b>580</b>	<b>9</b>	< 0.5	<b>1.3</b>	<b>2</b>	< 1	< 0.5	<b>23</b>	< 1	< 1	< 1
PZ-3	10/09/13	<b>2100</b>	<b>10000 J</b>	<b>53</b>	<b>0.25 J</b>	<b>44</b>	<b>95.3</b>	< 0.50	<b>1.6</b>	< 10	< 2.0	< 2.0	< 2.0
PZ-5	10/11/13	<b>49000</b>	<b>6200</b>	<b>11000</b>	< 100	<b>590</b>	<b>250</b>	< 200	<b>32000</b>	<b>210000</b>	< 200	< 200	< 200
PZ-5 DUP	10/11/13	<b>57000</b>	<b>6200</b>	<b>12000</b>	<b>150</b>	<b>1300</b>	<b>860</b>	< 200	<b>27000</b>	<b>180000</b>	< 200	< 200	< 200
TB-1	10/07/13	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
TB-1	10/23/13	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
TB-3	10/10/13	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
TB-4	10/11/13	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1

**TABLE 3**  
**Summary of Groundwater Analytical Data - 2013 Second Semiannual Event**  
*Defense Fuel Support Point, Norwalk, California*

Well	Sample Date	TPHg <sup>1</sup>	TPHd <sup>2</sup>	Benzene	Toluene	Ethyl-benzene	Xylenes <sup>3</sup>	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>
TF-8	10/10/13	< 100	<b>490 J</b>	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	<b>0.53</b>	< 10	< 2.0	< 2.0	< 2.0
TF-9	10/10/13	<b>960 J</b>	<b>2200 J</b>	<b>2.1</b>	<b>0.27 J</b>	<b>0.8</b>	<b>0.8 J</b>	< 0.50	< 0.50	<b>32</b>	< 2.0	< 2.0	< 2.0
TF-16	10/08/13	<b>860 J</b>	<b>2300 J</b>	<b>170</b>	< 0.50	<b>1.1</b>	<b>0.58 J</b>	< 0.50	<b>4.2</b>	<b>8.5 J</b>	< 2.0	< 2.0	<b>0.64 J</b>
TF-17	10/09/13	<b>18000 J</b>	<b>32000 J</b>	<b>33</b>	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 50	< 10	< 10	< 10
TF-21	10/08/13	<b>810 J</b>	<b>2200 J</b>	<b>320</b>	< 0.50	<b>0.59</b>	<b>0.74 J</b>	< 0.50	<b>7.2</b>	<b>17</b>	< 2.0	< 2.0	< 2.0
TF-24	10/10/13	< 100	<b>1500 J</b>	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	<b>0.4 J</b>	< 10	< 2.0	< 2.0	< 2.0
WCW-2	10/08/13	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
WCW-3	10/09/13	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	<b>1.1</b>	< 0.5	< 10	< 1	< 1	< 1
WCW-4	10/09/13	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
WCW-5	10/08/13	< 50	<b>130</b>	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
WCW-6	10/09/13	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
WCW-7	10/09/13	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	<b>11</b>	<b>0.6</b>	< 10	<b>1.4</b>	< 1	< 1
WCW-8	10/09/13	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
WCW-12	10/08/13	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
WCW-13	10/09/13	< 50	< 100	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
WCW-14	10/08/13	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1

Notes:

1. TPHg = total petroleum hydrocarbons quantified using a gasoline standard (C4 - C13).
2. TPHd = total petroleum hydrocarbons quantified using a site diesel standard (C14 - C22).
3. Xylenes = total of m,p-xylene and o-xylene when detected.
4. 1,2-DCA = 1,2-dichloroethane.
5. MTBE = methyl tertiary-butyl ether.
6. TBA = tert-butyl alcohol.
7. DIPE = diisopropyl ether.
8. ETBE = ethyl tertiary butyl ether.
9. TAME = tertiary amyl methyl ether.
10. < 50 = not detected at or above the reporting limit shown.
11. J = Estimated value
12. DUP = duplicate.

**TABLE 4**  
**Summary of Miscellaneous Compounds in Groundwater - 2013 Second Semiannual Event**  
*Defense Fuel Support Point, Norwalk, California*

Well	Sample Date	1,1-Dichloroethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2-Butanone	ACETONE	c-1,2-Dichloroethene	Carbon Disulfide	Isopropylbenzene	Naphthalene	N-Butylbenzene	n-Propylbenzene	p-Isopropyltoluene	sec-Butylbenzene	Styrene	tert-Butylbenzene	Trichloroethene
Results reported in micrograms per liter (µg/L)																	
GMW-4	10/11/13	< 1 <sup>1</sup>	< 1	< 1	---	< 20	---	< 5	13	38	1.3	8.7	1.4	3.8	< 1	< 1	< 1
GMW-6	10/08/13	0.41 J <sup>3</sup>	< 1.0	< 1.0	< 10	< 20	< 1.0	< 10	< 1.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
GMW-10	10/11/13	< 20	310	96	---	< 400	---	< 100	36	160	< 20	54	< 20	< 20	< 20	< 20	< 20
GMW-15	10/08/13	< 1.0	< 1.0	< 1.0	4.9 J	12 J	< 1.0	< 10	0.77 J	4.2 J	0.79 J	< 1.0	0.27 J	2.8	< 1.0	0.63 J	< 1.0
GMW-17	10/09/13	< 1.0	1.9	5.2	< 10	21	< 1.0	0.53 J	2.8	3.8 J	< 1.0	1.6	< 1.0	0.41 J	< 1.0	0.33 J	< 1.0
GMW-17 DUP <sup>4</sup>	10/09/13	< 1.0	1.7	4.8	< 10	20	< 1.0	< 10	2.8	3.4 J	< 1.0	1.7	< 1.0	0.44 J	< 1.0	0.33 J	< 1.0
GMW-32	10/08/13	< 1.0	< 1.0	< 1.0	< 10	< 20	< 1.0	< 10	0.75 J	< 10	< 1.0	0.26 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
GMW-36	10/11/13	< 200	3400	820	---	< 4000	---	< 1000	< 200	1500	< 200	330	< 200	< 200	< 200	< 200	< 200
GMW-47	10/08/13	0.74 J	< 1.0	< 1.0	< 10	< 20	< 1.0	< 10	< 1.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.4 J	< 1.0
GMW-48	10/09/13	0.34 J	0.57 J	< 1.0	< 10	< 20	5.7	< 10	32	22	1.4	29	0.17 J	3.4	< 1.0	0.89 J	< 1.0
GMW-57	10/08/13	0.55 J	0.57 J	0.82 J	< 10	< 20	< 1.0	< 10	< 1.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
GMW-58	10/08/13	0.35 J	< 1.0	< 1.0	< 10	< 20	< 1.0	< 10	5.2	4.5 J	< 1.0	2.7	< 1.0	0.58 J	< 1.0	0.37 J	< 1.0
GMW-59	10/09/13	< 1.0	< 1.0	< 1.0	< 10	< 20	2.1	0.43 J	23	< 10	0.57 J	17	< 1.0	1.7	< 1.0	0.48 J	< 1.0
GMW-59 DUP	10/09/13	< 1.0	< 1.0	< 1.0	< 10	< 20	2.5	0.43 J	34	< 10	1.1	27	< 1.0	2.9	< 1.0	0.73 J	< 1.0
GMW-60	10/09/13	< 1.0	< 1.0	< 1.0	< 10	20	< 1.0	< 10	12	13	0.5 J	10	< 1.0	1.4	< 1.0	0.28 J	< 1.0
GMW-60 DUP	10/09/13	< 1.0	< 1.0	< 1.0	< 10	42	< 1.0	< 10	16	17	0.58 J	13	< 1.0	1.7	< 1.0	0.4 J	< 1.0
GMW-61	10/08/13	< 1.0	< 1.0	< 1.0	< 10	< 20	< 1.0	< 10	5.3	< 10	0.29 J	1.2	< 1.0	1.1	< 1.0	0.33 J	< 1.0
GMW-61 DUP	10/08/13	< 1.0	< 1.0	< 1.0	< 10	< 20	< 1.0	< 10	4.8	< 10	0.24 J	1.1	< 1.0	1	< 1.0	< 1.0	< 1.0
GMW-O-14	10/11/13	< 130	1300	< 130	---	< 2500	---	< 630	< 130	< 500	< 130	140	< 130	< 130	< 130	< 130	< 130
GMW-O-15	10/11/13	< 100	1200	430	---	< 2000	---	< 500	< 100	450	< 100	110	< 100	< 100	< 100	< 100	< 100
GMW-O-18	10/10/13	< 1	1.3	< 1	---	< 10	---	< 2.5	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1
GW-14	10/09/13	< 1.0	8.7	0.4 J	< 10	< 20	1.1	< 10	22	20	1	21	< 1.0	5.3	0.21 J	1.8	0.44 J
GW-14 DUP	10/09/13	< 1.0	8.2	0.35 J	< 10	< 20	1.1	< 10	22	21	0.97 J	21	< 1.0	5.2	0.18 J	1.9	0.43 J
GW-16	10/09/13	< 1.0	< 1.0	< 1.0	< 10	< 20	< 1.0	< 10	< 1.0	< 10	< 1.0	0.18 J	1.8	< 1.0	< 1.0	< 1.0	< 1.0
MW-9	10/10/13	< 2	< 2	< 2	---	< 40	---	< 10	22	12	< 2	15	< 2	6.3	< 2	< 2	< 2
MW-15	10/11/13	< 2	< 2	< 2	---	< 40	---	< 10	< 2	< 10	< 2	< 2	3	< 2	< 2	< 2	< 2

**TABLE 4**  
**Summary of Miscellaneous Compounds in Groundwater - 2013 Second Semiannual Event**  
*Defense Fuel Support Point, Norwalk, California*

Well	Sample Date	1,1-Dichloroethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2-Butanone	ACETONE	c-1,2-Dichloroethene	Carbon Disulfide	Isopropylbenzene	Naphthalene	N-Butylbenzene	n-Propylbenzene	p-Isopropyltoluene	sec-Butylbenzene	Styrene	tert-Butylbenzene	Trichloroethene
<b>Results reported in micrograms per liter (µg/L)</b>																	
MW-26	10/08/13	< 1.0	< 1.0	< 1.0	< 10	< 20	< 1.0	< 10	41	53	1.7	41	< 1.0	7.3	< 1.0	1.1	< 1.0
MW-29	10/08/13	< 1.0	< 1.0	< 1.0	< 10	< 20	< 1.0	< 10	41	50	0.39 J	25	< 1.0	3.2	< 1.0	1.1	< 1.0
MW-O-2	10/11/13	< 130	300	< 130	---	< 2500	---	< 630	< 130	< 500	< 130	< 130	< 130	< 130	< 130	< 130	< 130
MW-SF-9	10/11/13	< 20	38	< 20	---	< 400	---	< 100	< 20	< 80	< 20	< 20	< 20	< 20	< 20	< 20	< 20
PZ-2	10/11/13	< 1	1.5	< 1	---	< 20	---	< 5	2	< 10	< 1	4.2	< 1	< 1	< 1	< 1	< 1
PZ-3	10/09/13	< 1.0	84	70	< 10	< 20	< 1.0	< 10	36	45	6.6	26	8.5	6.8	< 1.0	1.7	< 1.0
PZ-5 DUP	10/11/13	< 200	430	< 200	---	< 4000	---	< 1000	< 200	< 800	< 200	< 200	< 200	< 200	< 200	< 200	< 200
TF-9	10/10/13	< 1.0	< 1.0	< 1.0	< 10	12 J	< 1.0	< 10	45	89	1.2	46	< 1.0	6.5	< 1.0	0.87 J	< 1.0
TF-16	10/08/13	< 1.0	< 1.0	< 1.0	< 10	120	1.1	< 10	13	17	0.36 J	9.1	< 1.0	3	< 1.0	0.75 J	< 1.0
TF-17	10/09/13	< 5.0	< 5.0	< 5.0	< 50	< 100	< 5.0	< 50	8.3	17 J	< 5.0	4.5 J	< 5.0	3.7 J	< 5.0	2.5 J	< 5.0
TF-21	10/08/13	0.53 J	< 1.0	< 1.0	< 10	38	1.2	< 10	18	15	0.88 J	14	< 1.0	2.4	< 1.0	0.75 J	< 1.0

Notes:

1. < 1 = not detected at or above the reporting limit shown.
2. --- = compound not analyzed.
3. J = Estimated value
4. DUP = duplicate.

**TABLE 5**  
**Summary of Quality Assurance/Quality Control Analytical Data - October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Sample ID	Sample Date	TPHg <sup>1</sup>	TPHd <sup>2</sup>	Benzene	Toluene	Ethyl-benzene	Xylenes <sup>3</sup>	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>
Results reported in micrograms per liter (µg/L)													
TB-1	10/07/13	---	---	< 0.5 <sup>11</sup>	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
EB-10/07/13	10/07/13	---	---	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
TB-10/07/13	10/07/13	---	---	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
EB-1	10/08/13	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
EB-10/08/13	10/08/13	---	---	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
TB-10/08/2013	10/08/13	---	---	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
EB-2	10/09/13	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
EB-4	10/09/13	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
EB-3	10/09/13	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
EB-10/09/13	10/09/13	---	---	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
TB-10/09/13	10/09/13	---	---	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
EB-5	10/10/13	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	11	< 1	< 1	< 1
TB-3	10/10/13	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
EB-6	10/10/13	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
EB-10/10/13	10/10/13	---	---	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
TB-10/10/13	10/10/13	---	---	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
EB-7	10/11/13	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
EB-8	10/11/13	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
EB-9	10/11/13	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
TB-4	10/11/13	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
EB-1	10/23/13	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
TB-1	10/23/13	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1

**Notes:**

- <sup>1</sup> TPHg = total petroleum hydrocarbons quantified using a gasoline standard.
- <sup>2</sup> TPHd = total petroleum hydrocarbons quantified using a diesel standard.
- <sup>3</sup> Xylenes = total of m,p-xylene and o-xylene when detected.
- <sup>4</sup> 1,2-DCA = 1,2-dichloroethane.
- <sup>5</sup> MTBE = methyl tertiary-butyl ether.
- <sup>6</sup> TBA = Tert-butyl Alcohol
- <sup>7</sup> DIPE = diisopropyl ether.
- <sup>8</sup> ETBE = ethyl tertiary butyl ether.
- <sup>9</sup> TAME = tertiary amyl methyl ether.
- <sup>10</sup> --- = not analyzed.
- <sup>11</sup> < 0.5 = not detected at or above the reporting limit shown.

TABLE 6

Historical Analytical Results for TPH, BTEX, 1-2 DCA, MTBE, TBA, DIPE, ETBE, AND TAME in Groundwater - November 1996 through October 2013

Defense Fuel Support Point, Norwalk, California

Well	Date Sampled	TPH as JP-5 <sup>1</sup>	TPH as Gasoline	TPH as Diesel	TPH as JP-4 <sup>2</sup>	TPH as FP <sup>3</sup>	Benzene	Toulene	Ethylbenzene	Total Xylenes	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>
Results reported in micrograms per liter (µg/L)																
BW-1	05/24/97	<100 <sup>10</sup>	<100 <sup>11</sup>	<50	<50	<50	<0.30	<0.50	<0.30	<0.60	100	<5	<5	<5	<5	<5
BW-2	05/24/97	<100	<100	<50	<50	<50	<0.30	<0.50	<0.30	1.4	85	<5	<5	<5	<5	<5
BW-3	05/24/97	<100	<100	300	300	<50	<0.30	<0.50	<0.30	<0.60	490	74	<5	<5	<5	<5
BW-4	05/28/97	960	560	560	560	<50	160	2.4	200	9.2	20	850	<5	<5	<5	<5
BW-5	05/28/97	150	310	310	310	<50	<0.30	<0.30	5.0	<0.60	30	1,100	<5	<5	<5	<5
BW-6	05/29/97	<100	690	690	690	<50	3.5	<0.30	3.7	3.7	14	<5	<5	<5	<5	<5
BW-7	05/29/97	200	510	510	510	<50	0.99	<0.30	<0.30	<0.30	310	9.2	<5	<5	<5	<5
BW-8	05/29/97	<100	450	450	450	<50	<0.30	<0.30	<0.30	<0.30	39	<5	<5	<5	<5	<5
BW-9	05/30/97	<100	230	230	230	<50	<0.30	<0.30	<0.30	<0.60	1.4	<5	<5	<5	<5	<5
EXP-1	11/27/96	82	<500	<500	<500	<50	1.4	<0.50	<0.50	2.7	<0.50	<1	<1	<1	<1	<1
EXP-1	03/14/97	<50	<47	<47	<47	<50	<0.50	<0.50	<0.50	<0.50	<50	<50	<50	<50	<50	<50
EXP-1	03/14/97	<50	<50	<50	<50	<50	<0.50	<0.50	<0.50	<0.50	<50	<50	<50	<50	<50	<50
EXP-1	03/14/97	<100	<100	<100	<100	<50	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
EXP-1	07/10/97	<50	290	<200	<200	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
EXP-1	01/09/98	<500	<100	<100	<100	<50	<0.50	<0.50	<0.50	<1	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
EXP-1	05/20/98	<300	<300	<300	<300	<50	0.50	0.90	<0.50	<1	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
EXP-1	11/04/98	<300	<300	<300	<300	<50	175	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
EXP-1	05/26/99	<300	<300	<300	<300	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
EXP-1	08/10/99	<500	<1000	<1000	<1000	<50	<0.50	<1	<1	<1	<1	<0.50	<1	<1	<1	<1
EXP-1	09/23/99	<300	<300	<300	<300	<50	<0.50	<1	<1	<1	<1	<0.50	<1	<1	<1	<1
EXP-1	10/12/99	<300	<300	<300	<300	<100	<0.50	<1	<1	<1	<0.50	<1	<1	<1	<1	<1
EXP-1	11/18/99	<300	<300	<300	<300	<100	<0.50	<1	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
EXP-1	11/19/99	<300	<300	<300	<300	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
EXP-1	12/21/99	<300	<300	<300	<300	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
EXP-1	01/20/00	<300	<300	<300	<300	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
EXP-1	02/28/00	<300	<300	<300	<300	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
EXP-1	03/28/00	<300	<300	<300	<300	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
EXP-1	04/20/00	<300	<300	<300	<300	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
EXP-1	05/17/00	<300	<300	<300	<300	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
EXP-1	05/18/00	<300	<300	<300	<300	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
EXP-1	06/30/00	<300	<300	<300	<300	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
EXP-1	08/28/00	<300	<300	<300	<300	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
EXP-1	11/29/00	<300	<300	<300	<300	<100	0.50	<0.50	<0.50	0.70	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
EXP-1	02/06/01	<300	<300	<300	<300	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
EXP-1	05/08/01	<300	<300	<300	<300	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
EXP-1	05/09/01	<300	<300	<300	<300	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
EXP-1	09/19/01	<300	<300	<300	<300	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
EXP-1	11/07/01	<300	<300	<300	<300	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
EXP-1	11/07/01	<300	<300	<300	<300	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
EXP-1	01/30/02	<300	<300	<300	<300	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
EXP-1	04/10/02	<300	<300	<300	<300	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
EXP-1	04/11/02	<300	<300	<300	<300	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
EXP-1	07/30/02	<300	<300	<300	<300	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.98
EXP-1	09/06/02	<300	<300	<300	<300	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
EXP-1	10/23/02	<300	<300	<300	<300	<100	<0.50	<1	<1	<0.30	<0.50	<5	<5	<5	<5	<5
EXP-1	10/24/02	<300	<300	<300	<300	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
EXP-1	01/29/03	<300	<300	<300	<300	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
EXP-1	04/08/03	<50	<50	<50	<50	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
EXP-1	04/10/03	<50	<50	<50	<50	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
EXP-1	07/30/03	<50	<50	<50	<50	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
EXP-1	10/08/03	<100	<100	<100	<100	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
EXP-1	10/08/03	<50	<50	<50	<50	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
EXP-1	01/29/04	<50	<50	<50	<50	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
EXP-1	04/21/04	<100	<100	<100	<100	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	04/21/04	<50	<50	<50	<50	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	07/19/04	<50	<50	<50	<50	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	07/21/04	200	<100	<100	<100	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	11/03/04	<100	<100	<100	<100	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	02/02/05	<50	<50	<50	<50	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	05/04/05	<50	<50	<50	<50	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	08/02/05	<50	<50	<50	<50	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	11/02/05	<50</														











TABLE 6

Historical Analytical Results for TPH, BTEX, 1-2 DCA, MTBE, TBA, DIPE, ETBE, AND TAME in Groundwater - November 1996 through October 2013

Defense Fuel Support Point, Norwalk, California

Well	Date Sampled	TPH as JP-5 <sup>1</sup>	TPH as Gasoline	TPH as Diesel	TPH as JP-4 <sup>2</sup>	TPH as FP <sup>3</sup>	Benzene	Toulene	Ethylbenzene	Total Xylenes	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>
Results reported in micrograms per liter (µg/L)																
EXP-5	11/04/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	02/03/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	05/04/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	08/03/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	11/01/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	02/28/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	05/05/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	09/19/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	12/07/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	03/13/07	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	05/03/07	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	08/28/07	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	11/15/07	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	02/20/08	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	04/18/08	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	08/14/08	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	10/15/08	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	02/23/09	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	---	---	---
EXP-5	04/22/09	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	07/21/09	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	10/19/09	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	03/15/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	05/25/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	07/12/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	10/04/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	01/10/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	04/11/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	07/11/11	---	<50	---	---	110	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	10/10/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	01/09/12	---	<50	---	---	<100	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1	<1	<1
EXP-5	04/17/12	---	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1	<1	<1
EXP-5	07/09/12	---	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1	<1	<1
EXP-5	10/16/12	---	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1	<1	<1
EXP-5	01/14/13	---	<50	<100	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1	<1	<1
EXP-5	04/09/13	---	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1	<1	<1
EXP-5	10/09/13	---	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1	<1	<1
GB-21	01/24/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	---	<0.50	<10	<1	<1	<1
GB-21	01/24/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	---	<0.50	140	<1	<1	<1
GB-22	01/21/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	---	<0.50	<10	<1	<1	<1
GB-22	01/21/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	---	<0.50	110	<1	<1	<1
GB-23	01/21/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	---	<0.50	<10	<1	<1	<1
GB-23	01/21/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	---	<0.50	<10	<1	<1	<1
GB-23	01/21/11	---	<100	---	---	<100	<0.50	<0.50	<0.50	<0.50	---	<0.50	2,400	<1	<1	<1
GMW-1	11/27/96	---	---	---	---	---	13,000	11,000	2,700	14,300	<50	<500	---	---	---	---
GMW-1	07/17/97	---	68,000	6,900	---	---	10,000	5,500	2,500	11,500	<30	<300	---	---	---	---
GMW-1	01/09/98	---	5,800	4,500	---	---	5,600	590	1,200	4,570	<30	<300	---	---	---	---
GMW-1	05/27/98	---	19,600	---	---	---	4,360	466	930	2,279	<0.50	101	---	---	---	---
GMW-1	11/17/98	---	4,260	---	---	32,200	950	150	360	320	<50	<50	---	---	---	---
GMW-1	05/05/99	---	<500	<500	---	---	1.9	8.4	0.58	2.9	<1	<0.50	---	---	---	---
GMW-1	11/17/99	---	23,000	---	---	25,000	4,700	440	1,100	4,040	<5	71	---	---	---	---
GMW-1	05/16/00	---	14,000	---	---	16,000	3,100	40	720	2,300	<25	50	---	---	---	---
GMW-1	11/30/00	---	14,000	---	---	28,000	2,700	80	1,000	1,780	<0.50	33	---	---	---	---
GMW-1	05/09/01	---	1,000	---	---	18,000	1,900	<13	530	468	<13	<13	---	---	---	---
GMW-1	11/06/01	---	11,000	---	---	18,000	2,900	35	1,300	280	<0.50	27	---	---	---	---
GMW-1	04/10/02	---	7,600	---	---	13,000	2,000	26	740	295	<10	18	---	---	---	---
GMW-1	10/23/02	---	830	---	---	8,400	1,300	<5	330	111	<5	17	---	---	---	---
GMW-1	03/11/03	---	340	---	---	390	130	<0.50	30	6.1	<0.50	0.68	---	---	---	---
GMW-1	04/08/03	---	4,500	---	---	2,100	2,200	<10	240	142	<20	25	---	---	---	---
GMW-1	08/01/03	---	4,000	---	---	2,100	1,600	11	360	172	<20	14	---	---	---	---
GMW-1	10/06/03	---	7,400	---	---	2,500	2,200	12	520	196	<20	13	---	---	---	---
GMW-1	01/27/04	---	4,400	---	---	2,200	1,500	5.7	180	200	<10	12	---	---	---	---
GMW-1	04/22/04	---	9,100	---	---	5,200	3,200	<20	270	160	<40	<20	---	---	---	---
GMW-1	07/19/04	---	6,000	---	---	1,800	2,100	<10	90	70	<20	20	---	---	---	---
GMW-1	11/03/04	---	7,900	---	---	3,700	3,500	<10	88	35	<20	18	---	---	---	---
GMW-1	02/02/05	---	2,100	---	---	1,500	1,100	<5	18	29	<10	12	---	---	---	---
GMW-1	05/06/05	---	<200	---	---	320	1.2	<1	<1	<1	<2	<1	---	---	---	---
GMW-1	08/01/05	---	<500	---	---	1,100	<2.5	<2.5	<2.5	<2.5	<5	<2.5	---	---	---	---
GMW-1	11/02/05	---	<500	---	---	1,400	<2.5	<2.5	<2.5	<2.5	<5	<2.5	---	---	---	---
GMW-1	02/27/06	---	<1000	---	---	1,600	<5	<5	<5	<5	<10	<5	---	---	---	---
GMW-1	05/04/06	---	<500	---	---	1,600	4.0	<2.5	<2.5	<2.5	<5	<2.5	---	---	---	---
GMW-1	09/18/06	---	<500	---	---	1,300	<2.5	<2.5	<2.5	<2.5	<5	<2.5	---	---	---	---
GMW-1	12/06/06	---	<500	---	---	4,500	<2.5	<2.5	<2.5	<2.5	<5	<2.5	---	---	---	---
GMW-1	03/13/07	---	<1000	---	---	2,000	<5	<5	<5	<5	<10	<5	---	---	---	---
GMW-1	05/04/07	---	<50	---	---	1,500	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-1	08/30/07	---	520	---	---	910	<1.5	<1.5	<1.5	<1.5	<3	<1.5	---	---	---	---
GMW-1	11/14/07	---	140	---	---	430	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-1	02/20/08	---	<200	---	---	690	41	<1	4.9	4.8	<2	<1	---	---	---	---
GMW-1	04/16/08	---	<200	---	---	1,200	14	<1	<1	<1	<2	<1	---	---	---	---
GMW-1	10/17/08	---	1,600	---	---	2,900	52	1.6	58	250	<2	<1	---	---	---	---



TABLE 6

Historical Analytical Results for TPH, BTEX, 1-2 DCA, MTBE, TBA, DIPE, ETBE, AND TAME in Groundwater - November 1996 through October 2013

Defense Fuel Support Point, Norwalk, California

Well	Date Sampled	TPH as JP-5 <sup>1</sup>	TPH as Gasoline	TPH as Diesel	TPH as JP-4 <sup>2</sup>	TPH as FP <sup>3</sup>	Benzene	Toulene	Ethylbenzene	Total Xylenes	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>
Results reported in micrograms per liter (µg/L)																
GMW-13	04/09/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	3.1	---	---	---	---
GMW-13	10/06/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-13	04/20/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-13	11/02/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-13	05/04/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-13	11/01/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-13	05/02/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-13	12/05/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-13	05/04/07	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-13	11/14/07	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-13	04/16/08	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-13	10/17/08	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-13	04/23/09	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-13	10/19/09	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-13	10/23/09	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	23	9.5	<10	3.8	<2	<2
GMW-13	05/26/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-13	10/06/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-13	04/12/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-13	04/13/11	130	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GMW-13	10/11/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-13	04/18/12	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-13	10/16/12	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-13	04/09/13	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-13	10/09/13	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-14	05/07/99	---	<500	<500	---	---	<0.50	<0.50	<0.50	<0.50	<1	<0.50	---	---	---	---
GMW-14	11/17/99	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-14	05/16/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-14	11/30/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-14	05/09/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-14	11/06/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-14	04/10/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-14	10/07/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-14	04/22/04	---	59	---	---	110	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-14	11/02/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-14	05/06/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-14	11/01/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-14	03/08/06	---	520	---	---	2,000	2.6	<0.50	<0.50	<0.50	0.64	4.0	21	<2	<2	<2
GMW-14	05/02/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-14	12/07/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-14	05/04/07	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-14	11/14/07	---	1,500	---	---	2,100	<2.5	<2.5	34	3.0	<5	<2.5	---	---	---	---
GMW-14	04/16/08	---	440	---	---	850	<0.50	<0.50	<0.50	<0.50	<1	<0.50	---	---	---	---
GMW-14	07/29/08	---	210	---	---	810	<0.50	<0.50	<0.50	<0.50	<0.50	2.2	18	<2	<2	<2
GMW-14	10/17/08	---	210	---	---	420	<0.50	<0.50	<0.50	<0.50	<1	<0.50	---	---	---	---
GMW-14	04/23/09	---	120	---	---	580	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-14	10/22/09	---	130	---	---	740	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	10	<1	<1	<1
GMW-14	04/16/10	1,500	---	---	---	---	160	<0.50	2.6	3.0	<0.50	13	15	<2	<2	0.79 J
GMW-14	10/07/10	---	160	---	---	<620	<0.50	<0.50	<0.50	<0.50	<1	<0.50	<10	<1	<1	<1
GMW-14	04/13/11	---	<100	---	---	310	<0.50	<0.50	<0.50	<0.50	<1	<0.50	<10	<1	<1	<1
GMW-14	10/12/11	---	58	---	---	600	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-14	04/19/12	---	< 50	130	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-14	10/17/12	---	< 50	150	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-14	04/11/13	---	< 50	110	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-14	10/10/13	---	< 50	110	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-15	05/20/98	---	1,300	---	---	---	3.9	<0.30	7.4	6.4	---	---	---	---	---	---
GMW-15	11/05/98	---	512	---	---	1,170	1.8	<0.30	3.7	1.0	---	---	---	---	---	---
GMW-15	05/27/99	---	634	---	---	18,600	2.5	<0.30	5.3	2.0	---	---	---	---	---	---
GMW-15	11/18/99	---	<300	---	---	3,400	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-15	05/16/00	---	610	---	---	11,000	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-15	12/01/00	---	450	---	---	4,000	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
GMW-15	05/10/01	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
GMW-15	11/07/01	---	<300	---	---	13,000	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
GMW-15	04/10/02	---	1,900	---	---	18,000	1.2	<0.30	1.6	3.8	---	<5	---	---	---	---
GMW-15	10/23/02	---	840	---	---	16,000	0.58	<0.30	0.72	1.5	---	<5	---	---	---	---
GMW-15	04/10/03	---	---	---	---	5,060	<1	<1	<1	<2	---	<3	---	---	---	---
GMW-15	10/08/03	---	---	---	---	11,000	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---
GMW-15	04/22/04	---	---	---	---	4,200	0.70	<0.30	<0.30	0.47	---	<5	---	---	---	---
GMW-15	11/06/04	---	---	---	---	<100	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---
GMW-15	05/06/05	---	---	---	---	670	<0.30	0.47	<0.30	<0.30	---	<5	---	---	---	---
GMW-15	11/08/05	---	---	---	---	200	<0.30	0.31	<0.30	<0.30	---	<5	---	---	---	---
GMW-15	05/03/06	---	---	---	---	330	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---
GMW-15	12/08/06	---	---	---	---	160	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---
GMW-15	05/02/07	---	---	---	---	710	<0.50	<0.50	<0.50	1.2	---	<5	---	---	---	---
GMW-15	05/02/07	---	---	---	---	740	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---
GMW-15	11/14/07	---	---	---	---	890	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---
GMW-15	04/16/08	---	---	---	---	1,400	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---
GMW-15	10/15/08	1,400	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-15	04/21/09	3,600	180	---	---	---	<0.50	<0.50	<0.50	<0.50	---	5.4	---	---	---	---
GMW-15	10/20/09	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	760	---	---	---	---	<0.50	<0.50	<0.50	<0.50	---	5.7	<10	<2	<2	<2
GMW-15	10/05/10	230	---	---	---	---	<0.50	---	---	---	<0.50	<0.50	<10	---	---	---

TABLE 6

Historical Analytical Results for TPH, BTEX, 1-2 DCA, MTBE, TBA, DIPE, ETBE, AND TAME in Groundwater - November 1996 through October 2013

Defense Fuel Support Point, Norwalk, California

Well	Date Sampled	TPH as JP-5 <sup>1</sup>	TPH as Gasoline	TPH as Diesel	TPH as JP-4 <sup>2</sup>	TPH as FP <sup>3</sup>	Benzene	Toulene	Ethylbenzene	Total Xylenes	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>	
Results reported in micrograms per liter (µg/L)																	
GMW-15	04/14/11	210	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2
GMW-15	10/10/11	170	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2
GMW-15	04/19/12	1,600	---	---	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<10	<2.0	<2.0	<2.0	<2.0
GMW-15	10/15/12	460	---	---	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	12	<10	<2.0	<2.0	<2.0	<2.0
GMW-15	04/10/13	---	---	6200 J	---	---	<0.50	<0.50	<0.50	<0.5	<0.50	1.1	<10	<2.0	<2.0	<2.0	<2.0
GMW-15	10/08/13	---	350 J	4600 J	---	---	<0.50	<0.50	0.19 J	<0.5	<0.50	<0.50	<10	<2.0	<2.0	<2.0	<2.0
GMW-16	11/21/96	---	<38	<500	<500	---	<0.50	<0.50	0.80	<1.5	<0.50	---	---	---	---	---	---
GMW-16	07/09/97	---	<50	110	<50	---	5.7	<5	9.2	7.5	<5	<5	---	---	---	---	---
GMW-16	01/06/98	---	<500	<100	<100	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---	---
GMW-16	05/20/98	---	<300	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---
GMW-16	11/04/98	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---
GMW-16	05/27/99	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---
GMW-16	11/18/99	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---
GMW-16	05/16/00	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---
GMW-16	11/29/00	---	<300	---	---	140	0.64	1.2	0.85	3.2	---	<5	---	---	---	---	---
GMW-16	05/10/01	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---	---
GMW-16	11/07/01	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	9.1	---	---	---	---	---
GMW-16	04/10/02	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---	---
GMW-16	10/23/02	---	<300	---	---	110	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---	---
GMW-16	04/11/03	---	---	---	---	<100	<1	<1	<1	<2	---	<3	---	---	---	---	---
GMW-16	10/08/03	---	---	---	---	310	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---	---
GMW-16	04/22/04	---	---	---	---	<100	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---	---
GMW-16	11/06/04	---	---	---	---	<100	<0.30	<0.30	<0.30	0.59	---	<5	---	---	---	---	---
GMW-16	05/06/05	---	---	---	---	<100	<0.30	0.58	<0.30	<0.30	---	<5	---	---	---	---	---
GMW-16	11/08/05	---	---	---	---	<100	<0.30	0.48	<0.30	<0.30	---	<5	---	---	---	---	---
GMW-16	05/03/06	---	---	---	---	100	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---	---
GMW-16	12/06/06	---	---	---	---	<100	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---	---
GMW-16	05/02/07	---	---	---	---	<100	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---	---
GMW-16	11/14/07	---	---	---	---	<100	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---	---
GMW-16	04/16/08	---	---	---	---	<100	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---	---
GMW-16	10/15/08	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2
GMW-16	04/21/09	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	---	<0.50	---	---	---	---	---
GMW-16	10/20/09	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2
GMW-16	04/12/10	110	---	---	---	---	<0.50	<0.50	<0.50	<0.50	---	<0.50	<10	<2	<2	<2	<2
GMW-16	10/05/10	100	---	---	---	---	<0.50	---	---	---	<0.50	<0.50	<10	---	---	---	---
GMW-16	10/10/11	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2
GMW-16	04/18/12	130	---	---	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<10	<2.0	<2.0	<2.0	<2.0
GMW-16	10/15/12	<100	---	---	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<10	<2.0	<2.0	<2.0	<2.0
GMW-16	04/10/13	---	---	190 J	---	---	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<10	<2.0	<2.0	<2.0	<2.0
GMW-16	10/08/13	---	<100	250 J	---	---	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<10	<2.0	<2.0	<2.0	<2.0
GMW-17	05/10/01	---	6,800	---	---	1,500,000	52	25	<15	330	---	<250	---	---	---	---	---
GMW-17	10/24/02	---	49,000	---	---	170,000	91	<30	<30	160	---	<500	---	---	---	---	---
GMW-17	04/14/03	---	---	---	---	10,100	572	5.6	75	367	---	<15	---	---	---	---	---
GMW-17	10/10/03	---	---	---	---	8,700	240	1.5	9.5	41	---	<10	---	---	---	---	---
GMW-17	04/22/04	---	---	---	---	2,400	540	4.6	24	190	---	63	---	---	---	---	---
GMW-17	11/06/04	---	---	---	---	3,000	110	<0.30	2.1	6.1	---	19	---	---	---	---	---
GMW-17	05/10/05	---	---	---	---	760	7.9	3.6	<1.5	2.6	---	<25	---	---	---	---	---
GMW-17	11/08/05	---	---	---	---	290	3.7	<0.30	0.37	1.9	---	7.0	---	---	---	---	---
GMW-17	05/05/06	---	---	---	---	1,200	3.7	2.2	1.6	4.5	---	<5	---	---	---	---	---
GMW-17	12/08/06	---	---	---	---	1,400	34	<0.50	1.9	30	---	<5	---	---	---	---	---
GMW-17	05/03/07	---	---	---	---	12,000	9.1	<0.50	0.92	9.0	---	7.7	---	---	---	---	---
GMW-17	11/14/07	---	---	---	---	1,200	4.8	<0.50	<0.50	<1	---	<5	---	---	---	---	---
GMW-17	04/18/08	---	---	---	---	<100	5.3	<0.50	0.62	1.4	---	<5	---	---	---	---	---
GMW-17	10/17/08	1,600	---	---	---	---	2.6	<0.50	0.57	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2
GMW-17	04/22/09	760	450	---	---	---	27	<0.50	2.4	<0.50	---	<0.50	---	<0.50	<0.50	<0.50	<0.50
GMW-17	10/20/09	2,400	---	---	---	---	0.42 J	<0.50	<0.50	<0.50	<0.50	<0.50	9.5 J	<2	<2	<2	<2
GMW-17	04/14/10	1,900	1,200	---	---	---	59	0.34 J	5.5	2.0	---	<0.50	<10	<2	<2	<2	<2
GMW-17	10/05/10	2,000	1,200	---	---	---	79	---	---	---	<0.50	<0.50	5.2 J	---	---	---	---
GMW-17	04/15/11	1,200	750	---	---	---	13	0.55	4.6	0.82	<0.50	<0.50	<10	<2	<2	<2	<2
GMW-17	10/10/11	1,100	<1100	---	---	---	50	<0.77	28	6.5	<0.50	<0.50	<10	<2	<2	<2	<2
GMW-17	04/20/12	2,100	610	---	---	---	1.2	<0.50	0.18 J	0.71 J	<0.50	<0.50	29	<2.0	<2.0	<2.0	<2.0
GMW-17 DUP	04/20/12	2,200	---	---	---	---	0.96	<0.50	0.2 J	0.73 J	<0.50	<0.50	33	<2.0	<2.0	<2.0	<2.0
GMW-17	04/12/13	---	1000 J	6700	---	---	55	1.1	1.2	13.66	<0.50	<0.50	31	<2.0	<2.0	<2.0	<2.0
GMW-17 DUP	04/12/13	---	---	---	---	---	55	1.1	1.2	12.6	<0.50	0.31 J	34	<2.0	<2.0	<2.0	<2.0
GMW-17	10/09/13	---	680 J	4200 J	---	---	16	1.2	1.7	11.62	<0.50	0.48 J	30	<2.0	<2.0	<2.0	<2.0
GMW-17 DUP	10/09/13	---	670 J	4200 J	---	---	16	1.2	1.6	11.61	<0.50	0.46 J	28	<2.0	<2.0	<2.0	<2.0
GMW-18	04/14/03	---	---	---	---	16,500,000	3,410	3,510	3,070	17,800	---	<150	---	---	---	---	---
GMW-18	10/08/03	---	---	---	---	170,000	2,600	120	360	3,100	---	<1000	---	---	---	---	---
GMW-18	04/21/04	---	---	---	---	45,000	2,700	<50	380	4,288	---	<50	---	---	---	---	---
GMW-18	11/04/04	---	---	---	---	51,000	1,300	<3	220	2,400	---	<50	---	---	---	---	---
GMW-18	05/06/05	---	---	---	---	5,900	1,100	22	140	1,200	---	<50	---	---	---	---	---
GMW-18	11/08/05	---	---	---	---	17,00											



TABLE 6

Historical Analytical Results for TPH, BTEX, 1-2 DCA, MTBE, TBA, DIPE, ETBE, AND TAME in Groundwater - November 1996 through October 2013

Defense Fuel Support Point, Norwalk, California

Well	Date Sampled	TPH as JP-5 <sup>1</sup>	TPH as Gasoline	TPH as Diesel	TPH as JP-4 <sup>2</sup>	TPH as FP <sup>3</sup>	Benzene	Toulene	Ethylbenzene	Total Xylenes	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>	
Results reported in micrograms per liter (µg/L)																	
GMW-18	04/20/12	4,700	2,100	---	---	---	67	0.4 J	1.1	5.9	1.7	3.5	57	< 2.0	< 2.0	< 2.0	
GMW-18	07/10/12	7,800	---	---	---	---	94	0.42 J	0.94	3.9	< 0.50	3.9	27	< 2.0	< 2.0	< 2.0	
GMW-19	11/27/96	---	3,000	<500	<500	---	85	<2.5	23	<5	---	---	---	---	---	---	
GMW-19	07/10/97	---	<50	<50	<50	---	2.5	<1	<1	<2	---	---	---	---	---	---	
GMW-19	01/07/98	---	<500	<100	<100	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	
GMW-19	05/21/98	---	<300	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	
GMW-19	11/06/98	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	
GMW-19	05/27/99	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	
GMW-19	11/18/99	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	
GMW-19	05/17/00	---	<300	---	---	<100	0.47	0.45	<0.30	0.95	---	---	---	---	---	---	
GMW-19	12/01/00	---	<300	---	---	440	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---	
GMW-19	05/09/01	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---	
GMW-19	11/08/01	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---	
GMW-19	04/11/02	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---	
GMW-19	10/23/02	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---	
GMW-19	04/14/03	---	---	---	---	<100	<1	<1	<1	<2	---	<3	---	---	---	---	
GMW-19	10/10/03	---	---	---	---	<100	<0.30	<0.30	<0.30	<0.30	---	15	---	---	---	---	
GMW-19	04/21/04	---	---	---	---	260	<0.50	<1	<1	<1	---	28	---	---	---	---	
GMW-19	11/04/04	---	---	---	---	<100	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---	
GMW-19	05/06/05	---	---	---	---	<100	<0.30	<0.30	<0.30	0.69	---	<5	---	---	---	---	
GMW-19	11/08/05	---	---	---	---	<100	0.52	0.71	0.40	2.0	---	<5	---	---	---	---	
GMW-19	05/04/06	---	---	---	---	<100	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---	
GMW-19	12/08/06	---	---	---	---	<100	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---	
GMW-19	05/03/07	---	---	---	---	210	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---	
GMW-19	11/15/07	---	---	---	---	<100	0.50	<0.50	<0.50	<1	---	<5	---	---	---	---	
GMW-19	04/17/08	---	---	---	---	<100	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---	
GMW-19	10/16/08	140	---	---	---	---	0.60	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
GMW-19	04/23/09	<100	---	---	---	---	0.70	<0.50	<0.50	<0.50	<0.50	0.67	---	<0.50	<0.50	<0.50	
GMW-19	10/20/09	<100	---	---	---	---	3.8	<0.50	<0.50	<0.50	<0.50	1.5	<10	<2	<2	<2	
GMW-19	04/16/10	300	---	---	---	---	130	<0.50	0.66	<0.50	---	21	12	<2	<2	0.52 J	
GMW-19	10/08/10	150	---	---	---	---	2.4	---	---	---	<0.50	2.7	<10	---	---	---	
GMW-19	10/10/11	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
GMW-19	04/18/12	< 100	---	---	---	---	3.8	< 0.50	< 0.50	< 1.0	< 0.50	0.88	< 10	< 2.0	< 2.0	< 2.0	
GMW-19	10/15/12	< 100	---	---	---	---	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	1.1	< 10	< 2.0	< 2.0	< 2.0	
GMW-19	04/10/13	---	---	1200 J	---	---	35	0.38 J	< 0.50	0.35 J	< 0.50	58	22	< 2.0	< 2.0	< 2.0	
GMW-19	10/07/13	---	< 100	< 100	---	---	0.81	< 0.50	< 0.50	< 0.5	< 0.50	2.3	< 10	< 2.0	< 2.0	< 2.0	
GMW-2	11/21/96	---	---	---	---	---	6,500	44	700	960	<30	4,800	---	---	---	---	
GMW-2	07/15/97	---	350	<500	---	---	59	1.2	41	20	<0.50	<5	---	---	---	---	
GMW-2	01/08/98	---	<100	<500	---	---	4.1	0.79	1.1	1.1	2.7	220	---	---	---	---	
GMW-2	05/27/98	---	<300	---	---	---	<0.50	58	0.80	0.50	<0.50	21	---	---	---	---	
GMW-2	11/17/98	---	<300	---	---	<100	0.88	2.1	0.90	4.8	<0.50	4.4	---	---	---	---	
GMW-2	05/07/99	---	<500	<500	---	---	8.2	<0.50	<0.50	0.94	<1	42	---	---	---	---	
GMW-2	11/17/99	---	<300	---	---	<100	0.70	<0.50	<0.50	<0.50	<0.50	66	---	---	---	---	
GMW-2	05/16/00	---	<300	---	---	200	<0.50	<0.50	<0.50	<0.50	0.60	<0.50	---	---	---	---	
GMW-2	11/30/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	1.0	140	---	---	---	---	
GMW-2	05/08/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	0.60	51	---	---	---	---	
GMW-2	11/06/01	---	<300	---	---	<100	7.8	<0.50	<0.50	0.70	1.2	140	---	---	---	---	
GMW-2	04/09/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	240	---	---	---	---	
GMW-2	10/23/02	---	<300	---	---	240	<0.50	<0.50	<0.50	<0.50	<0.50	260	---	---	---	---	
GMW-2	10/07/03	---	91	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	81	---	---	---	---	
GMW-2	05/06/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
GMW-2	05/09/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	4.2	---	---	---	---	
GMW-2	05/02/07	---	160	---	---	110	73	<0.50	<0.50	2.3	<1	5.8	---	---	---	---	
GMW-2	04/17/08	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
GMW-2	04/20/09	---	<50	---	---	100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	
GMW-2	05/26/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	
GMW-20	11/27/96	---	1,100	<500	<500	---	<2.5	<2.5	<2.5	<5	<2.5	---	---	---	---	---	
GMW-20	07/10/97	---	160	1,400	<1200	---	<5	<5	<5	<5	<5	<5	---	---	---	---	
GMW-20	01/06/98	---	<500	1,100	<100	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---	
GMW-20	05/21/98	---	400	---	---	---	<0.30	<0.50	<0.50	<0.10	<0.50	<0.50	---	---	---	---	
GMW-20	11/05/98	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
GMW-20	05/27/99	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
GMW-20	11/18/99	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
GMW-20	05/17/00	---	<300	---	---	120	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
GMW-20	11/30/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	---	---	---	---	
GMW-20	05/09/01	---	<300	---	---	110	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
GMW-20	11/07/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
GMW-20	04/11/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
GMW-22	10/04/10	---	4,100	---	---	2,200	1,900	<10	55	38	<20	47	1,300	50	<20	<20	
GMW-22	10/14/11	---	28,000	---	---	9,000	13,000	<100	470	200	<200	130	<2000	<200	<200	<200	
GMW-22	04/20/12	---	46,000	1,300	---	---	20,000	< 100	650	130	< 200	140	< 2000	< 200	< 200	< 200	
GMW-22	10/18/12	---	32,000	1,300	---	---	16,000	120	420	140	< 200	180	< 2000	< 200	< 200	< 200	
GMW-23	11/08/05	---	---	---	---	1,900	<0.30	0.40	<0.30	<0.30	---	<5	---	---	---	---	
GMW-24	04/29/11	---	70,000	---	---	690,000	19,000	830	1,700	4,200	<200	530	<2000	<200			

TABLE 6

Historical Analytical Results for TPH, BTEX, 1-2 DCA, MTBE, TBA, DIPE, ETBE, AND TAME in Groundwater - November 1996 through October 2013

Defense Fuel Support Point, Norwalk, California

Well	Date Sampled	TPH as JP-5 <sup>1</sup>	TPH as Gasoline	TPH as Diesel	TPH as JP-4 <sup>2</sup>	TPH as FP <sup>3</sup>	Benzene	Toulene	Ethylbenzene	Total Xylenes	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>	
Results reported in micrograms per liter (µg/L)																	
GMW-26	05/22/98	---	500	---	---	---	<0.30	<0.50	<0.50	<0.10	260	460	---	---	---	---	
GMW-26	11/17/98	---	1,810	---	---	<100	310	<5	8.0	<5	<5	3,460	---	---	---	---	
GMW-26	05/07/99	---	2,300	<500	---	---	490	26	70	140	<5	6,100	---	---	---	---	
GMW-26	11/19/99	---	6,700	---	---	5,700	3,700	160	42	530	<25	8,500	---	---	---	---	
GMW-26	05/16/00	---	2,000	---	---	490	1.9	<0.50	<0.50	<0.50	0.80	82	---	---	---	---	
GMW-26	11/30/00	---	780	---	---	180	<0.50	<0.50	<0.50	<0.50	3.1	17	---	---	---	---	
GMW-26	05/08/01	---	300	---	---	120	<0.50	<0.50	<0.50	<0.50	13	390	---	---	---	---	
GMW-26	11/06/01	---	<300	---	---	<100	0.70	<0.50	<0.50	<0.50	75	130	---	---	---	---	
GMW-26	04/09/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	57	130	---	---	---	---	
GMW-26	07/07/03	---	---	---	---	---	<0.50	<1	<1	<1	1.2	61	---	---	---	---	
GMW-26	04/27/04	---	63	---	---	<100	<0.50	<0.50	<0.50	<0.50	16	59	---	---	---	---	
GMW-26	07/08/04	---	62	---	---	290	<0.50	<0.50	<0.50	<0.50	17	27	---	---	---	---	
GMW-27	05/27/98	---	2,800	---	---	---	940	6.0	4.0	11	76	1,570	---	---	---	---	
GMW-27	11/17/98	---	4,220	---	---	4,940	3,200	<50	<50	<50	<50	530	---	---	---	---	
GMW-27	05/07/99	---	6,300	<500	---	---	3,600	16	11	<10	<25	720	---	---	---	---	
GMW-27	11/18/99	---	3,300	---	---	1,500	1,100	<25	<25	<25	<25	1,000	---	---	---	---	
GMW-27	05/16/00	---	5,500	---	---	3,600	2,600	<25	25	34	<25	1,800	---	---	---	---	
GMW-27	11/30/00	---	4,900	---	---	4,100	2,100	<25	<25	<25	<25	1,600	---	---	---	---	
GMW-27	05/08/01	---	5,300	---	---	4,000	2,600	<25	<25	<25	<25	2,200	---	---	---	---	
GMW-27	11/06/01	---	4,100	---	---	1,500	1,600	6.4	6.7	28	<0.50	1,900	---	---	---	---	
GMW-27	04/09/02	---	4,900	---	---	590	2,300	<10	15	<10	<10	1,800	---	---	---	---	
GMW-27	10/23/02	---	590	---	---	680	1,800	13	<10	13	<10	1,400	---	---	---	---	
GMW-27	04/08/03	---	4,600	---	---	640	2,700	<15	<15	17	<30	2,000	---	---	---	---	
GMW-27	10/07/03	---	10,000	---	---	890	4,400	<20	47	120	<40	1,800	---	---	---	---	
GMW-27	01/27/04	---	8,100	---	---	480	3,600	19	29	115	<30	1,500	---	---	---	---	
GMW-27	04/21/04	---	13,000	---	---	1,900	6,200	<25	51	<25	<50	2,500	---	---	---	---	
GMW-27	07/08/04	---	1,900	---	---	540	260	<2.5	<2.5	<2.5	<5	790	---	---	---	---	
GMW-27	11/03/04	---	21,000	---	---	1,500	8,800	<50	53	170	<100	700	---	---	---	---	
GMW-27	05/06/05	---	1,100	---	---	<100	440	<2.5	<2.5	4.3	<5	42	---	---	---	---	
GMW-27	11/03/05	---	4,100	---	---	330	2,000	<10	<10	17	<20	250	---	---	---	---	
GMW-27	05/09/06	---	5,500	---	---	400	2,800	<15	22	<15	<30	180	---	---	---	---	
GMW-27	12/06/06	---	12,000	---	---	740	6,400	<50	120	<50	<100	210	---	---	---	---	
GMW-27	05/02/07	---	13,000	---	---	860	7,400	<50	<50	<50	<100	230	---	---	---	---	
GMW-27	11/13/07	---	11,000	---	---	550	6,000	<25	<25	<25	<50	57	---	---	---	---	
GMW-27	04/18/08	---	380	---	---	270	130	<1.5	<1.5	<1.5	<3	21	---	---	---	---	
GMW-27	08/14/08	---	1,000	---	---	490	280	<1.5	1.5	1.6	<3	17	---	---	---	---	
GMW-27	11/21/08	---	3,100	---	---	340	1,100	<10	<10	<10	<20	26	---	---	---	---	
GMW-27	04/20/09	---	100	---	---	130	1.8	<0.50	<0.50	<0.50	<0.50	4.2	450	10	<1	<1	
GMW-27	10/22/09	---	130	---	---	140	<0.50	<0.50	<0.50	<0.50	<0.50	5.7	830	17	<1	<1	
GMW-27	05/27/10	---	95	---	---	130	<0.50	<0.50	<0.50	<0.50	<0.50	2.6	<10	10	<1	<1	
GMW-27	10/07/10	---	130	---	---	<100	1.9	<0.50	<0.50	<0.50	<0.50	6.2	900	17	<1	<1	
GMW-27	04/13/11	---	<100	---	---	120	<0.50	<0.50	<0.50	<0.50	<1	0.91	480	12	<1	<1	
GMW-27	10/12/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.99	300	6.0	<1	<1	
GMW-27	04/19/12	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.54	380	6.8	< 1	< 1	
GMW-27	10/18/12	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.5	300	5.0	< 1	< 1	
GMW-27 DUP	10/18/12	---	< 100	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 1	0.57	460	7.4	< 1	< 1	
GMW-27	04/11/13	---	< 100	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 1	0.57	380	7.8	< 1	< 1	
GMW-27	10/10/13	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.5	570	9.3	< 1	< 1	
GMW-27 DUP	10/10/13	---	61	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.51	700	13	< 1	< 1	
GMW-28	05/07/99	---	43,000	<500	---	---	22,000	780	1,400	3,000	<130	1,900	---	---	---	---	
GMW-28	05/17/00	---	19,000	---	---	21,000	9,600	<50	370	160	<50	1,300	---	---	---	---	
GMW-28	11/28/00	---	26,000	---	---	30,000	13,000	53	650	1,139	<0.50	1,600	---	---	---	---	
GMW-28	05/08/01	---	30,000	---	---	27,000	15,000	190	660	310	<5	4,000	---	---	---	---	
GMW-28	11/06/01	---	20,000	---	---	19,000	14,000	51	460	241	<0.50	3,200	---	---	---	---	
GMW-28	04/09/02	---	24,000	---	---	1,900	9,100	79	320	110	<50	1,200	---	---	---	---	
GMW-28	07/07/03	---	---	---	---	---	18,000	140	800	450	<50	530	---	---	---	---	
GMW-28	04/28/04	---	40,000	---	---	4,700	22,000	180	1,200	570	<200	280	---	---	---	---	
GMW-28	07/08/04	---	46,000	---	---	5,100	20,000	120	1,000	560	<200	280	---	---	---	---	
GMW-29	11/28/00	---	1,600	---	---	1,700	170	97	8.0	300	<0.50	54	---	---	---	---	
GMW-29	05/08/01	---	2,200	---	---	950	1,300	59	21	30	<0.50	<0.50	---	---	---	---	
GMW-29	04/09/02	---	13,000	---	---	11,000	5,400	4,500	240	1,120	<1	34	---	---	---	---	
GMW-29	07/08/03	---	---	---	---	---	4,100	670	410	880	<25	<50	---	---	---	---	
GMW-29	04/28/04	---	40,000	---	---	6,400	8,700	6,000	910	2,800	<200	<100	---	---	---	---	
GMW-29	07/08/04	---	45,000	---	---	5,300	8,900	6,500	900	4,000	<100	<50	---	---	---	---	
GMW-3	11/25/96	---	---	---	---	---	<5	<5	<0.50	<1.5	<5	<50	---	---	---	---	
GMW-3	07/11/97	---	<100	<500	---	---	<0.50	<0.50	<0.50	<1	<0.50	<5	---	---	---	---	
GMW-3	01/05/98	---	<100	<500	---	---	<0.50	<0.50	<0.50	<1.5	<0.50	<5	---	---	---	---	
GMW-3	05/26/98	---	---	---	---	---	<0.50	<0.50	<0.50	0.90	<0.50	<0.50	---	---	---	---	
GMW-3	11/11/98	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	1.7	---	---	---	---	
GMW-3	05/07/99	---	<500	<500	---	---	1.1	4.4	<0.50	1.9	<1	<0.50	---	---	---	---	
GMW-3	11/17/99	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
GMW-3	05/17/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
GMW-3	11/29/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
GMW-3	05/10/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
GMW-3	11/06/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
GMW-3	04/10/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
GMW-3	10/22/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	---	---	---	---	
GMW-3	01/29/03	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.96	---	---	---	---	
GMW-3	04/08/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
GMW-3	07/30/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
GMW-3	10/06/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	



TABLE 6

Historical Analytical Results for TPH, BTEX, 1-2 DCA, MTBE, TBA, DIPE, ETBE, AND TAME in Groundwater - November 1996 through October 2013

Defense Fuel Support Point, Norwalk, California

Well	Date Sampled	TPH as JP-5 <sup>1</sup>	TPH as Gasoline	TPH as Diesel	TPH as JP-4 <sup>2</sup>	TPH as FP <sup>3</sup>	Benzene	Toulene	Ethylbenzene	Total Xylenes	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>	
Results reported in micrograms per liter (µg/L)																	
GMW-3	01/27/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
GMW-3	04/21/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
GMW-3	07/19/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
GMW-3	11/02/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
GMW-3	05/04/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
GMW-3	11/03/05	---	120	---	---	710	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
GMW-3	02/27/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
GMW-3	05/02/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
GMW-3	12/05/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
GMW-3	05/04/07	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
GMW-3	11/14/07	---	<200	---	---	1,800	<1	<1	<1	<1	<2	<1	---	---	---	---	---
GMW-3	04/16/08	---	<100	---	---	220	<0.50	<0.50	<0.50	<0.50	<1	<0.50	---	---	---	---	---
GMW-3	04/16/08	---	<100	---	---	750	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2
GMW-3	10/14/08	---	<50	---	---	110	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
GMW-3	04/20/09	---	<50	---	---	<100	0.63	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	<1
GMW-3	10/21/09	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	<1
GMW-3	05/26/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	<1
GMW-3	10/06/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	<1
GMW-3	04/12/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	<1
GMW-3	10/11/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	<1
GMW-3	04/18/12	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1	< 1
GMW-3	06/14/13	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1	< 1
GMW-31	11/27/96	---	1,100	<500	<500	---	<2.5	<2.5	<2.5	<5	---	---	---	---	---	---	---
GMW-31	07/10/97	---	55	550	<450	---	2.0	<1	<1	<2	---	---	---	---	---	---	---
GMW-31	01/07/98	---	<500	<100	<100	---	1.6	<0.30	<0.30	<0.60	---	---	---	---	---	---	---
GMW-31	05/21/98	---	<300	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---
GMW-31	11/06/98	---	<300	---	---	<100	4.8	<0.30	3.5	<0.60	---	---	---	---	---	---	---
GMW-31	05/27/99	---	<300	---	---	1,020	<0.30	<0.30	0.52	<0.60	---	---	---	---	---	---	---
GMW-31	11/18/99	---	<300	---	---	490	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---
GMW-31	05/17/00	---	<300	---	---	470	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---
GMW-31	12/01/00	---	530	---	---	680	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---	---
GMW-31	05/10/01	---	<300	---	---	120	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---	---
GMW-31	11/07/01	---	<300	---	---	170	0.80	0.49	<0.30	<0.60	---	9.9	---	---	---	---	---
GMW-31	04/10/02	---	<300	---	---	120	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---	---
GMW-31	10/24/02	---	<300	---	---	<100	<0.30	0.49	<0.30	<0.30	---	<5	---	---	---	---	---
GMW-31	04/14/03	---	---	---	---	647	<1	<1	<1	<2	---	<3	---	---	---	---	---
GMW-31	10/10/03	---	---	---	---	200	0.39	<0.30	<0.30	<0.30	---	<5	---	---	---	---	---
GMW-31	04/22/04	---	---	---	---	<100	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---	---
GMW-31	11/06/04	---	---	---	---	<100	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---	---
GMW-31	05/07/05	---	---	---	---	<100	<0.30	0.64	<0.30	<0.30	---	<5	---	---	---	---	---
GMW-31	11/08/05	---	---	---	---	<100	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---	---
GMW-31	05/05/06	---	---	---	---	<100	<0.30	0.79	0.50	2.4	---	<5	---	---	---	---	---
GMW-31	12/08/06	---	---	---	---	<100	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---	---
GMW-31	05/03/07	---	---	---	---	170	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---	---
GMW-31	11/14/07	---	---	---	---	<100	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---	---
GMW-31	04/18/08	---	---	---	---	810	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---	---
GMW-31	10/17/08	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2
GMW-31	04/22/09	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	---	<0.50	---	<0.50	<0.50	<0.50	<0.50
GMW-31	10/20/09	140	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.57	<10	<2	<2	<2	<2
GMW-31	04/14/10	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	---	<0.50	4.6 J	<2	<2	<2	<2
GMW-31	10/08/10	<100	---	---	---	---	<0.50	---	---	---	<0.50	<0.50	6.5 J	---	---	---	---
GMW-31	04/11/11	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2
GMW-31	10/10/11	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2
GMW-31	04/16/12	< 100	---	---	---	---	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0	< 2.0
GMW-31	10/16/12	< 100	---	---	---	---	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0	< 2.0
GMW-31	04/08/13	---	---	120 J	---	---	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	0.67	< 10	< 2.0	< 2.0	< 2.0	< 2.0
GMW-31	10/07/13	---	< 100	210 J	---	---	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0	< 2.0
GMW-32	11/27/96	---	430	<500	<500	---	13	<0.50	25	<1	---	---	---	---	---	---	---
GMW-32	07/10/97	---	63	1,800	<1600	---	1.7	<1	<1	<2	---	---	---	---	---	---	---
GMW-32	01/06/98	---	<500	<100	<100	---	0.40	<0.30	0.70	<0.60	---	---	---	---	---	---	---
GMW-32	05/21/98	---	<300	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---
GMW-32	11/05/98	---	<300	---	---	<100	<0.30	<0.30	0.62	<0.60	---	---	---	---	---	---	---
GMW-32	11/06/98	---	---	---	---	158	---	---	---	---	---	---	---	---	---	---	---
GMW-32	05/27/99	---	<300	---	---	307	3.1	<0.30	5.0	1.4	---	---	---	---	---	---	---
GMW-32	11/18/99	---	<300	---	---	6,500	4.3	<0.30	6.9	1.2	---	---	---	---	---	---	---
GMW-32	05/17/00	---	500	---	---	8,600	8.0	3.4	16	14	---	---	---	---	---	---	---
GMW-32	11/30/00	---	330	---	---	2,100	<0.30	<0.30	4.2	<0.60	---	<5	---	---	---	---	---
GMW-32	05/09/01	---	1,000	---	---	9,500	4.7	<0.30	1.2	2.8	---	<5	---	---	---	---	---
GMW-32	11/07/01	---	660	---	---	6,900	4.2	0.63	5.7	2.0	---	<5	---	---	---	---	---
GMW-32	02/01/02	---	---	---	---	---	0.89	<0.50	0.53	0.69	<0.50	0.77	---	---	---	---	---
GMW-32	04/11/02	---	<300	---	---	210	1.5	<0.30	7.2	<0.60	---	<5	---	---	---	---	---
GMW-32	10/23/02	---	<300	---	---	1,300	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---	---
GMW-32	04/09/03	---	---	---	---	2,100	<1	1.2	<1	<2	---	<3	---	---	---	---	---
GMW-32	10/10/03	---	---	---	---	530	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---	---
GMW-32	04/21/04	---	---	---	---	1,500	0.52	<1	<1	<1	---	<1	---	---	---	---	---
GMW-32	11/04/04	---	---	---	---	910	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---	---
GMW-32	05/06/05	---	---	---	---	700	0.31	0.64	<0.30	0.76	---	<5	---	---	---	---	---
GMW-32	11/08/05	---	---	---	---	480	<0.30	0.41	<0.30	0.70	---	<5	---	---	---	---	---
GMW-32	05/04/06	---	---	---	---	690	0.46	0.39	0.62	1.4	---	<5	---	---	---	---	---
GMW-32	12/08/06	---	---	---	---	110	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---	---
GMW-32	05/03/07	---	---	---	---	190	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---	---

TABLE 6

Historical Analytical Results for TPH, BTEX, 1-2 DCA, MTBE, TBA, DIPE, ETBE, AND TAME in Groundwater - November 1996 through October 2013

Defense Fuel Support Point, Norwalk, California

Well	Date Sampled	TPH as JP-5 <sup>1</sup>	TPH as Gasoline	TPH as Diesel	TPH as JP-4 <sup>2</sup>	TPH as FP <sup>3</sup>	Benzene	Toulene	Ethylbenzene	Total Xylenes	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>	
Results reported in micrograms per liter (µg/L)																	
GMW-32	11/16/07	---	---	---	---	<100	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---	---
GMW-32	04/17/08	---	---	---	---	150	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---	---
GMW-32	10/16/08	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2
GMW-32	04/24/09	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2
GMW-32	10/20/09	250	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2
GMW-32	04/16/10	230	---	---	---	---	<0.50	<0.50	0.41 J	<0.50	---	<0.50	<10	<2	<2	<2	<2
GMW-32	10/07/10	180	---	---	---	---	<0.50	---	---	---	<0.50	<0.50	<10	---	---	---	---
GMW-32	04/14/11	160	---	---	---	---	<0.50	<0.50	0.25 J	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2
GMW-32	10/12/11	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2
GMW-32	04/19/12	210	---	---	---	---	<0.50	<0.50	<0.50	0.26 J	<0.50	<0.50	<10	<2.0	<2.0	<2.0	<2.0
GMW-32	10/19/12	1,300	---	---	---	---	0.2 J	<0.50	0.14 J	0.32 J	<0.50	<0.50	<10	<2.0	<2.0	<2.0	<2.0
GMW-32	04/10/13	---	---	1300 J	---	---	<0.50	<0.50	<0.50	0.3 J	<0.50	<0.50	<10	<2.0	<2.0	<2.0	<2.0
GMW-32	10/08/13	---	<100	1200 J	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	7.3 J	<2.0	<2.0	<2.0	<2.0
GMW-33	11/21/96	---	<38	<500	<500	---	<0.50	<0.50	<0.50	<1.5	<0.50	---	---	---	---	---	---
GMW-33	07/10/97	---	<50	700	<400	---	<5	<5	<5	<5	<5	---	---	---	---	---	---
GMW-33	01/06/98	---	<500	<100	<100	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---	---
GMW-33	05/20/98	---	<300	---	---	---	<0.30	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---	---
GMW-33	11/05/98	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
GMW-33	05/27/99	---	<300	---	---	122	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
GMW-33	11/18/99	---	<300	---	---	120	<0.50	<1	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
GMW-33	05/17/00	---	<300	---	---	210	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
GMW-33	11/30/00	---	<300	---	---	430	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
GMW-33	05/09/01	---	<300	---	---	150	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
GMW-33	11/07/01	---	<300	---	---	200	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
GMW-33	02/01/02	---	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
GMW-33	04/11/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.80	---	---	---	---	---
GMW-34	11/18/99	---	9,500	---	---	17,000	30	3.5	8.3	81	<0.50	24	---	---	---	---	---
GMW-34	05/17/00	---	740	---	---	3,700	<0.50	<0.50	1.5	11	<0.50	30	---	---	---	---	---
GMW-34	12/01/00	---	<300	---	---	110	<0.50	<0.50	<0.50	<0.50	<0.50	10	---	---	---	---	---
GMW-34	05/10/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	7.3	---	---	---	---	---
GMW-34	11/08/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	---	---	---	---	---
GMW-34	04/12/02	---	960	---	---	1,500	240	1.4	33	81	<0.50	2.5	---	---	---	---	---
GMW-35	05/09/01	---	20,000	---	---	22,000	1,300	11	580	4,100	<10	<10	---	---	---	---	---
GMW-35	04/10/03	---	---	---	---	15,600	65	31	109	159	---	<3	---	---	---	---	---
GMW-35	10/10/03	---	---	---	---	16,000	100	<15	120	650	---	<250	---	---	---	---	---
GMW-35	04/21/04	---	---	---	---	19,000	110	<1	45	7.3	---	1.5	---	---	---	---	---
GMW-35	11/04/04	---	---	---	---	18,000	62	<3	13	28	---	<50	---	---	---	---	---
GMW-35	05/05/05	---	---	---	---	4,700	10	1.4	33	22	---	<10	---	---	---	---	---
GMW-35	11/05/05	---	---	---	---	3,100	9.1	2.2	31	17	---	<25	---	---	---	---	---
GMW-35	05/03/06	---	---	---	---	17,000	7.9	2.9	20	12	---	<5	---	---	---	---	---
GMW-35	12/08/06	---	---	---	---	4,800	14	<0.50	9.0	6.9	---	<5	---	---	---	---	---
GMW-35	05/04/07	---	---	---	---	4,700	21	0.86	1.3	5.3	---	6.1	---	---	---	---	---
GMW-35	11/15/07	---	---	---	---	2,400	26	<0.50	<0.50	<1	---	7.7	---	---	---	---	---
GMW-35	04/17/08	---	---	---	---	1,300	18	<0.50	1.8	2.5	---	<5	---	---	---	---	---
GMW-35	04/24/09	520	---	---	---	---	63	<5	<5	<5	---	210	---	<5	<5	<5	<5
GMW-35	04/16/10	1,900	---	---	---	---	180	0.88 J	1.5	0.70	---	13	2,200	<4	<4	<4	<4
GMW-36	07/10/97	---	430	<500	---	---	---	---	---	---	---	---	---	---	---	---	---
GMW-36	01/09/98	---	4,000	4,300	---	---	22	21	6.1	100	<5	7,700	---	---	---	---	---
GMW-36	05/20/98	---	1,400	---	---	---	<0.30	<0.30	<10	<20	<0.50	19,600	---	---	---	---	---
GMW-36	11/17/98	---	7,900	---	---	6,650	2,100	1,370	70	650	<50	34,800	---	---	---	---	---
GMW-36	05/07/99	---	2,800	<500	---	---	<10	<10	<10	<10	<25	14,000	---	---	---	---	---
GMW-36	11/18/99	---	51,000	---	---	22,000	8,100	5,600	<250	1,770	<250	47,000	---	---	---	---	---
GMW-36	05/17/00	---	59,000	---	---	53,000	14,000	6,700	480	4,100	<130	45,000	---	---	---	---	---
GMW-36	11/30/00	---	110,000	---	---	66,000	20,000	19,000	1,600	8,100	<0.50	13,000	---	---	---	---	---
GMW-36	02/06/01	---	75,000	---	---	55,000	18,000	13,000	1,400	6,100	<50	9,100	---	---	---	---	---
GMW-36	05/10/01	---	12,000	---	---	5,100	3,700	2,500	420	1,730	<0.50	1,600	---	---	---	---	---
GMW-36	09/19/01	---	21,000	---	---	37,000	5,800	3,600	580	2,080	<13	1,000	---	---	---	---	---
GMW-36	11/06/01	---	63,000	---	---	40,000	16,000	13,000	1,600	7,700	<25	3,200	---	---	---	---	---
GMW-36	01/30/02	---	130,000	---	---	68,000	21,000	20,000	1,700	9,000	<125	42,000	---	---	---	---	---
GMW-36	04/10/02	---	150,000	---	---	49,000	25,000	22,000	1,800	10,000	<50	67,000	---	---	---	---	---
GMW-36	07/30/02	---	81,000	---	---	110,000	28,000	29,000	2,200	11,800	<50	37,000	---	---	---	---	---
GMW-36	12/06/06	---	32,000	---	---	10,000	5,300	4,300	480	4,300	<50	1,600	---	---	---	---	---
GMW-36	03/13/07	---	54,000	---	---	7,200	9,400	12,000	1,100	8,200	<200	3,800	---	---	---	---	---
GMW-36	05/05/07	---	69,000	---	---	11,000	9,800	11,000	1,200	8,000	<200	3,900	---	---	---	---	---
GMW-36	08/29/07	---	30,000	---	---	9,800	4,100	4,200	420	4,500	120	890	---	---	---	---	---
GMW-36	02/20/08	---	34,000	---	---	9,100	3,900	6,000	750	4,600	<50	43	---	---	---	---	---
GMW-36	04/16/08	---	42,000	---	---	11,000	5,200	8,300	940	6,200	<200	<100	---	---	---	---	---
GMW-36	10/16/08	---	17,000	---	---	32,000	2,100	2,000	160	2,300	<20	26	---	---	---	---	---
GMW-36	07/22/09	---	24,000	---	---	15,000	3,800	5,400	720	3,380	<50	28	<500	<50	<50	<50	<50
GMW-36	03/16/10	---	8,000	---	---	22,000	830	1,100	140	700	<10	16	690	<10	<10	<10	<10
GMW-36	04/16/10	---	4,200	---	---	25,000	850	150	89	200	<5	11	3,700	<5	<5	<5	<5
GMW-36	07/13/10	---	500	---	---	4,500	49	51	4.9	43	<0.50	0.91	340	<1	<1	<1	<1
GMW-36	08/12/10	---	9,200	---	---	2,200	1,400	1,100	52	980	<10	18	1,600	<10	<10	<10	<10
GMW-36	09/20/10	---	3,300	---	---	5,200	130	18	36	120	<1	130	13,000	<1	<1	<1	1.6
GMW-36	10/05/10	---	15,000	---	---	3,100	2,500	1,300	390	1,200	<20	30	1,300	<20	<20	<20	<20
GMW-36	11/23/10	---	31,000	---	---	21,000	5,100	3,400	890	2,600	<40	51	470	<40	<40	<40	<40
GMW-36	12/22/10	---	63,000	---	---	73,000	6,700	9,600	1,700	5,600	<50	28	<500	<50	<50	<50	<50
GMW-36	01/12/11	---	320,000	---	---	130,000	4,600	2,900	1,400	9,200	<200	<100	<2000	<200	<200	<200	<200
GMW-36	02/24/11	---	1,600	---	---	3,900	110	77	19	130	<1	2.5	2,200	<1	<1	<1	<1
GMW-36	03/23/11	---	3,200	---	---	2,900	360	340	28	240	<3	7.6	2,400	<3	<3	<3	<3
GMW-36	04/29/11	---	1,500	---	---	10,000	75										

TABLE 6

Historical Analytical Results for TPH, BTEX, 1-2 DCA, MTBE, TBA, DIPE, ETBE, AND TAME in Groundwater - November 1996 through October 2013

Defense Fuel Support Point, Norwalk, California

Well	Date Sampled	TPH as JP-5 <sup>1</sup>	TPH as Gasoline	TPH as Diesel	TPH as JP-4 <sup>2</sup>	TPH as FP <sup>3</sup>	Benzene	Toulene	Ethylbenzene	Total Xylenes	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>
Results reported in micrograms per liter (µg/L)																
GMW-36	05/13/11	---	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	---	7,300	---	---	3,200	560	570	61	990	<10	350	4,600	<10	<10	<10
GMW-36	08/19/11	---	13,000	---	---	6,200	570	1,100	250	1,900	<20	260	9,000	<20	<20	<20
GMW-36	09/22/11	---	5,200	---	---	2,200	490	240	52	470	<5	660	7,400	<5	<5	17
GMW-36	10/13/11	---	22,000	---	---	160,000	610	490	430	2,200	<20	250	3,700	<20	<20	43
GMW-36	11/23/11	---	630	---	---	34,000	17	<2.5	<2.5	14	<5	110	6,000	<5	<5	<5
GMW-36	12/21/11	---	700	---	---	560	59	55	14	65	<0.50	2.1	340	<1	<1	<1
GMW-36	01/10/12	---	380	---	---	290	78	1.6	5.1	13	< 0.5	94	4,900	< 1	< 1	1.3
GMW-36	02/23/12	---	45,000	---	---	14,000	5,600	8,900	1,700	6,600	< 200	< 100	< 2000	< 200	< 200	< 200
GMW-36	03/28/12	---	220	400	---	---	3.5	4.1	1.2	6.3	< 0.5	1.5	130	< 1	< 1	< 1
GMW-36	04/27/12	---	1,300	710	---	---	43	< 0.5	2.5	35	< 1	64	4,200	< 1	< 1	1.2
GMW-36	05/25/12	---	280	440	---	---	< 0.5	< 0.5	< 0.5	1.5	< 1	14	6,200	< 1	< 1	< 1
GMW-36	06/15/12	---	460	380	---	---	17	4.1	5.5	50	< 1	12	780	< 1	< 1	< 1
GMW-36	07/11/12	---	5,100	12,000	---	---	< 2.5	6.8	39	300	< 5	< 2.5	140	< 5	< 5	< 5
GMW-36	09/26/12	---	14,000	6,600	---	---	35	11	< 2.5	230	< 5	17	100	< 5	< 5	< 5
GMW-36	10/18/12	---	8,800	12,000	---	---	350	33	28	490	< 5	70	100	< 5	< 5	< 5
GMW-36	04/12/13	---	560000	19000	---	---	7400	20000	8900	50000	< 400	270	< 4000	< 400	< 400	< 400
GMW-36	10/11/13	---	120000	130000	---	---	9600	18000	3400	18000	< 200	380	< 2000	< 200	< 200	< 200
GMW-37	11/25/96	---	---	---	---	---	<0.50	<0.50	<0.50	<1.5	<0.50	<5	---	---	---	---
GMW-37	07/11/97	---	<100	<500	---	---	<0.50	<0.50	<0.50	<1	<0.50	<5	---	---	---	---
GMW-37	01/06/98	---	<100	<500	---	---	<0.50	<0.50	<0.50	<1.5	<0.50	<5	---	---	---	---
GMW-37	05/26/98	---	<300	---	---	---	<0.30	<0.30	<0.50	0.60	<0.50	<0.50	---	---	---	---
GMW-37	11/11/98	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	11	---	---	---	---
GMW-37	05/07/99	---	<500	<500	---	---	1.1	4.5	<0.50	1.9	<1	14	---	---	---	---
GMW-37	11/18/99	---	<416	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	16	---	---	---	---
GMW-37	05/17/00	---	<300	---	---	760	<0.50	<0.50	<0.50	<0.50	<0.50	16	---	---	---	---
GMW-37	11/30/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	34	---	---	---	---
GMW-37	02/06/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	54	---	---	---	---
GMW-37	05/08/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-37	09/19/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	11	---	---	---	---
GMW-37	11/06/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	49	---	---	---	---
GMW-37	01/30/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	---	---	---	---
GMW-37	04/10/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	7.2	---	---	---	---
GMW-37	10/22/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	49	---	---	---	---
GMW-37	01/29/03	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.75	---	---	---	---
GMW-37	04/09/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.86	---	---	---	---
GMW-37	07/30/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-37	10/06/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	4.3	---	---	---	---
GMW-37	01/27/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-37	04/20/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-37	07/19/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	2.6	---	---	---	---
GMW-37	11/02/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-37	02/02/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-37	05/04/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-37	08/01/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-37	11/01/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-37	02/27/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-37	05/02/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-37	09/18/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-37	12/05/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-37	05/04/07	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-37	11/14/07	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-37	04/16/08	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-37	10/14/08	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-37	04/23/09	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-37	10/19/09	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-37	05/26/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-37	10/06/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-37	04/12/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-37	10/11/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-37	04/17/12	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-37	10/16/12	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-37	04/10/13	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-37	10/09/13	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-38	11/26/96	---	---	---	---	---	1.8	<0.50	<0.50	<1.5	<0.50	7.7	---	---	---	---
GMW-38	07/10/97	---	<100	<500	---	---	<0.50	2.0	<0.50	0.83	<0.50	<5	---	---	---	---
GMW-38	01/05/98	---	<100	<500	---	---	<0.50	<0.50	<0.50	<1.5	<0.50	<5	---	---	---	---
GMW-38	05/21/98	---	<300	---	---	---	<0.30	<0.50	<0.50	<1	<0.50	1.2	---	---	---	---
GMW-38	11/12/98	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	2.5	---	---	---	---
GMW-38	05/07/99	---	<500	<500	---	---	<0.50	1.5	<0.50	<0.50	<1	7.9	---	---	---	---

TABLE 6

Historical Analytical Results for TPH, BTEX, 1-2 DCA, MTBE, TBA, DIPE, ETBE, AND TAME in Groundwater - November 1996 through October 2013

Defense Fuel Support Point, Norwalk, California

Well	Date Sampled	TPH as JP-5 <sup>1</sup>	TPH as Gasoline	TPH as Diesel	TPH as JP-4 <sup>2</sup>	TPH as FP <sup>3</sup>	Benzene	Toulene	Ethylbenzene	Total Xylenes	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>
Results reported in micrograms per liter (µg/L)																
GMW-38	07/30/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-38	10/06/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-38	01/28/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-38	04/20/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<b>1.4</b>	---	---	---	---
GMW-38	07/19/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-38	11/02/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-38	02/02/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-38	05/04/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<b>1.1</b>	---	---	---	---
GMW-38	08/02/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-38	11/01/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-38	02/28/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<b>0.66</b>	---	---	---	---
GMW-38	05/02/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-38	09/18/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-38	12/05/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-38	03/13/07	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-38	05/05/07	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-38	08/30/07	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-38	11/13/07	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-38	04/22/09	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<b>0.74</b>	<10	<1	<1	<1
GMW-38	07/21/09	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<b>0.55</b>	<b>27</b>	<1	<1	<1
GMW-38	10/21/09	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<b>29</b>	<1	<1	<1
GMW-38	03/15/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	05/26/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	07/13/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<b>0.50</b>	<10	<1	<1	<1
GMW-38	10/06/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	01/11/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	04/12/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	07/12/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	10/12/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	01/10/12	---	< 50	---	---	< 100	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-38	04/18/12	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-38	07/10/12	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-38	10/17/12	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-38	01/15/13	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-38	04/10/13	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-38	10/10/13	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-39	11/21/96	---	---	---	---	---	<0.50	<0.50	<0.50	<1.5	<0.50	<5	---	---	---	---
GMW-39	07/10/97	---	<100	<500	---	---	<0.50	<b>0.50</b>	<0.50	<1	<0.50	<5	---	---	---	---
GMW-39	01/05/98	---	<100	<500	---	---	<0.50	<0.50	<0.50	<1.5	<0.50	<5	---	---	---	---
GMW-39	05/19/98	---	---	---	---	---	<0.30	<0.50	<0.50	<1	<0.50	<b>0.90</b>	---	---	---	---
GMW-39	11/12/98	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<b>3.2</b>	---	---	---	---
GMW-39	05/07/99	---	<500	<500	---	---	<0.50	<0.50	<0.50	<0.50	<1	<b>2.9</b>	---	---	---	---
GMW-39	11/18/99	---	<416	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<b>12</b>	---	---	---	---
GMW-39	05/17/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<b>9.4</b>	---	---	---	---
GMW-39	11/29/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<b>16</b>	---	---	---	---
GMW-39	05/08/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-39	11/06/01	---	<300	---	---	<100	<b>1.2</b>	<0.50	<0.50	<0.50	<0.50	<b>39</b>	---	---	---	---
GMW-39	02/01/02	---	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<b>36</b>	---	---	---	---
GMW-39	04/10/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<b>20</b>	---	---	---	---
GMW-39	10/22/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<b>89</b>	---	---	---	---
GMW-39	01/29/03	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<b>32</b>	---	---	---	---
GMW-39	04/09/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<b>23</b>	---	---	---	---
GMW-39	07/30/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<b>3.3</b>	---	---	---	---
GMW-39	10/06/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<b>6.6</b>	---	---	---	---
GMW-39	01/28/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<b>3.6</b>	---	---	---	---
GMW-39	04/20/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<b>4.8</b>	---	---	---	---
GMW-39	07/19/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<b>3.7</b>	---	---	---	---
GMW-39	11/03/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<b>3.7</b>	---	---	---	---
GMW-39	02/02/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<b>1.7</b>	---	---	---	---
GMW-39	05/04/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-39	08/02/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-39	11/01/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-39	02/27/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<b>0.59</b>	---	---	---	---
GMW-39	05/02/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-39	09/19/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<b>3.7</b>	---	---	---	---
GMW-39	12/06/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<b>4.0</b>	---	---	---	---
GMW-39	03/13/07	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<b>4.5</b>	---	---	---	---
GMW-39	05/04/07	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<b>2.9</b>	---	---	---	---
GMW-39	08/29/07	---	<500	---	---	<100	<2.5	<2.5	<2.5	<2.5	<5	<b>3.6</b>	---	---	---	---
GMW-39	11/13/07	---	<b>160</b>	---	---	<100	<0.50	<0.50	<0.50	<0.50	<1	<b>2.6</b>	---	---	---	---
GMW-39	02/20/08	---	<b>110</b>	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<b>2.9</b>	---	---	---	---
GMW-39	04/16/08	---	<b>90</b>	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<b>1.9</b>	---	---	---	---
GMW-39	08/14/08	---	<100	---	---	<b>120</b>	<0.50	<0.50	<0.50	<0.50	<1	<b>1.1</b>	---	---	---	---
GMW-39	10/15/08	---	<500	---	---	<100	<2.5	<2.5	<2.5	<2.5	<5	<b>5.6</b>	---	---	---	---
GMW-39	02/24/09	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<b>3,400</b>	---	---	---
GMW-39	04/22/09	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<b>4,000</b>	<1	<1	<1
GMW-39	07/21/09	---	<100	---	---	<100	<0.50	<0.50	<0.50	<0.50	<1	<0.50	<b>2,500</b>	<1	<1	<1
GMW-39	10/22/09	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<b>0.50</b>	<b>2,200</b>	<1	<1	<1
GMW-39	03/16/10	---	<50	---	---	&										

TABLE 6

Historical Analytical Results for TPH, BTEX, 1-2 DCA, MTBE, TBA, DIPE, ETBE, AND TAME in Groundwater - November 1996 through October 2013

Defense Fuel Support Point, Norwalk, California

Well	Date Sampled	TPH as JP-5 <sup>1</sup>	TPH as Gasoline	TPH as Diesel	TPH as JP-4 <sup>2</sup>	TPH as FP <sup>3</sup>	Benzene	Toulene	Ethylbenzene	Total Xylenes	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>	
Results reported in micrograms per liter (µg/L)																	
GMW-39	10/07/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.75	550	<1	<1	<1	
GMW-39	01/11/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	68	<1	<1	<1	
GMW-39	04/13/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	
GMW-39	07/12/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	
GMW-39	10/11/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	96	<1	<1	<1	
GMW-39	01/10/12	---	<50	---	---	<100	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	58	<1	<1	<1	
GMW-39	04/19/12	---	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	38	<1	<1	<1	
GMW-39 DUP	04/19/12	---	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	35	<1	<1	<1	
GMW-39	07/10/12	---	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1	<1	<1	
GMW-39	10/17/12	---	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	47	<1	<1	<1	
GMW-39 DUP	10/17/12	---	<50	<100	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	66	<1	<1	<1	
GMW-39	01/15/13	---	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1	<1	<1	
GMW-39 DUP	01/15/13	---	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1	<1	<1	
GMW-39	04/10/13	---	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	0.88	54	<1	<1	<1	
GMW-39 DUP	04/10/13	---	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	0.81	47	<1	<1	<1	
GMW-39	10/10/13	---	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	1.8	420	<1	<1	<1	
GMW-39 DUP	10/10/13	---	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	1.6	370	<1	<1	<1	
GMW-4	07/15/97	---	1,300	2,100	---	---	38	<0.50	35	45	<0.50	<5	---	---	---	---	
GMW-4	01/08/98	---	380	530	---	---	14	1.2	12	19	1.6	<5	---	---	---	---	
GMW-4	05/26/98	---	2,300	---	---	---	42	<0.30	69	87	<2.5	<2.5	---	---	---	---	
GMW-4	11/18/99	---	1,600	---	---	4,100	67	<0.50	51	24	<0.50	<0.50	---	---	---	---	
GMW-4	05/19/00	---	2,500	---	---	3,400	48	0.50	29	37	<0.50	<0.50	---	---	---	---	
GMW-4	04/10/03	---	500	---	---	1,100	8.0	<0.50	8.2	26	<0.50	<0.50	---	---	---	---	
GMW-4	05/04/07	---	2,000	---	---	13,000	110	<1	27	12	<2	<1	---	---	---	---	
GMW-4	04/16/08	---	16,000	---	---	14,000	270	<2.5	110	157	<2.5	<2.5	<50	<10	<10	<10	
GMW-4	04/17/08	---	4,400	---	---	40,000	290	<5	89	102	<10	<5	---	---	---	---	
GMW-4	11/21/08	---	4,900	---	---	16,000	260	<2.5	45	28	<5	<2.5	---	---	---	---	
GMW-4	04/23/09	---	2,500	---	---	9,500	120	<0.50	12	8.6	<1	3.9	<10	<1	<1	<1	
GMW-4	05/27/10	---	2,200	---	---	6,100	170	1.1	6.3	10	<2	<1	<20	<2	<2	<2	
GMW-4	10/05/10	---	1,300	---	---	<15000	8.2	<1	2.8	2.2	<2	3.2	22	<2	<2	<2	
GMW-4	04/14/11	---	2,800	---	---	24,000	130	<1	2.0	3.4	<2	<1	<20	<2	<2	<2	
GMW-4	10/12/11	---	1,200	---	---	4,200	62	<1	1.4	<1	<2	3.8	<20	<2	<2	<2	
GMW-4	04/20/12	---	4,600	25,000	---	---	170	<10	<10	<10	<20	<10	<200	<20	<20	<20	
GMW-4	10/19/12	---	1,300	8,100	---	---	36	<2.5	<2.5	<2.5	<5	<2.5	<50	<5	<5	<5	
GMW-4	04/12/13	---	2100	8000	---	---	56	<4	<4	<4	<8	<4	<80	<8	<8	<8	
GMW-4	10/11/13	---	1800	2400	---	---	24	<0.5	1.1	1.7	<1	2.2	<10	<1	<1	<1	
GMW-40	11/27/96	---	400	<500	<500	---	0.50	<0.50	5.8	5.9	<0.50	<5	---	---	---	---	
GMW-40	07/10/97	---	210	2,600	<300	---	---	---	---	---	---	---	---	---	---	---	
GMW-40	01/07/98	---	<500	<100	<100	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---	
GMW-40	05/21/98	---	<300	---	---	---	<0.30	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---	
GMW-40	11/05/98	---	<300	---	---	<100	<0.50	<0.50	3.8	7.6	<0.50	<0.50	---	---	---	---	
GMW-40	05/26/99	---	<300	---	---	<100	0.90	<0.50	<0.50	<0.50	<0.50	4.4	---	---	---	---	
GMW-40	11/18/99	---	<300	---	---	220	2.8	<0.50	0.90	2.8	<0.50	9.3	---	---	---	---	
GMW-40	05/17/00	---	<300	---	---	430	<0.50	<0.50	<0.50	<0.50	<0.50	11	---	---	---	---	
GMW-40	12/01/00	---	<300	---	---	320	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
GMW-40	05/10/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
GMW-40	11/08/01	---	<300	---	---	<100	<0.50	<0.50	1.1	3.1	<0.50	19	---	---	---	---	
GMW-40	04/12/02	---	<300	---	---	<100	1.7	<0.50	0.70	0.90	<0.50	17	---	---	---	---	
GMW-40	04/16/03	---	---	---	---	<100	5.2	<0.50	2.7	4.7	<0.50	55	---	---	---	---	
GMW-40	10/08/03	---	---	---	---	170	<0.50	<0.50	<0.50	<0.50	<0.50	52	---	---	---	---	
GMW-40	04/22/04	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	39	<10	<2	<2	<2	
GMW-40	11/06/04	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
GMW-40	05/07/05	---	---	---	---	<100	<0.50	<0.50	<0.50	0.70	<0.50	0.76	<10	<2	<2	<2	
GMW-40	11/08/05	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.76	<10	<2	<2	<2	
GMW-40	05/05/06	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	4.9	<10	<2	<2	<2	
GMW-40	12/08/06	---	---	---	---	110	0.87	<0.50	<0.50	14	<0.50	15	<10	<2	<2	<2	
GMW-40	05/03/07	---	---	---	---	440	3.7	<0.50	2.2	27	<0.50	46	63	<2	<2	<2	
GMW-40	11/16/07	---	---	---	---	<100	0.61	<0.50	1.9	8.4	<0.50	<0.50	<10	<2	<2	<2	
GMW-40	04/18/08	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
GMW-40	10/17/08	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	<10	<2	<2	<2	
GMW-40	04/24/09	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
GMW-40	10/21/09	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.4 J	<10	<2	<2	<2	
GMW-40	04/14/10	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	---	<0.50	<10	<2	<2	<2	
GMW-40	10/06/10	---	<50	---	---	<100	1.2	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	
GMW-40	10/08/13	---	120 J	460 J	---	---	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<10	<2.0	<2.0	<2.0	
GMW-41	11/27/96	---	250	<500	<500	---	<0.50	<0.50	<0.50	<1	<0.50	---	---	---	---	---	
GMW-41	07/10/97	---	75	1,200	<1000	---	<5	<5	<5	<5	<5	---	---	---	---	---	
GMW-41	01/07/98	---	<500	<100	<100	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---	
GMW-41	05/21/98	---	<300	---	---	---	<0.30	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---	
GMW-41	11/05/98	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	1.0	---	---	---	---	
GMW-41	05/26/99	---	<300	---	---	116	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
GMW-41	11/18/99	---	<300	---	---	390	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
GMW-41	05/17/00	---	<300	---	---	280	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
GMW-41	11/30/00	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---	
GMW-41	05/10/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
GMW-41	11/08/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
GMW-41	04/12/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.80	---	---	---	---	
GMW-41	10/24/02	---	<300	---	---	1,000	<0.50	<1	<1	<1	<0.50	1.1	---	---	---	---	
GMW-41	04/16/03	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
GMW-41	10/08/03	---	---	---	---	350	<0.50	<0.50	<0.50	<0.50	<0.50	2.4	---	---	---	---	
GMW-41	04/22/04	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	3.3	<10	<2	<2	<2	

TABLE 6

Historical Analytical Results for TPH, BTEX, 1-2 DCA, MTBE, TBA, DIPE, ETBE, AND TAME in Groundwater - November 1996 through October 2013

Defense Fuel Support Point, Norwalk, California

Well	Date Sampled	TPH as JP-5 <sup>1</sup>	TPH as Gasoline	TPH as Diesel	TPH as JP-4 <sup>2</sup>	TPH as FP <sup>3</sup>	Benzene	Toulene	Ethylbenzene	Total Xylenes	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>
Results reported in micrograms per liter (µg/L)																
GMW-41	11/06/04	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	3.6	<10	<2	<2	<2
GMW-41	05/07/05	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-41	11/08/05	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-41	05/05/06	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-41	12/08/06	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-41	05/03/07	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.51	<10	<2	<2	<2
GMW-41	11/16/07	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-41	04/18/08	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-41	10/17/08	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-41	04/22/09	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-41	10/21/09	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.43 J	<10	<2	<2	<2
GMW-41	04/14/10	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	---	0.33 J	5.7 J	<2	<2	<2
GMW-41	10/06/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-41	10/06/10	<100	---	---	---	---	<0.50	---	---	---	<0.50	<0.50	<10	---	---	---
GMW-41	04/11/11	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-41	10/11/11	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-41	04/16/12	<100	---	---	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	5.4 J	<2.0	<2.0	<2.0
GMW-41	10/16/12	<100	---	---	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<10	<2.0	<2.0	<2.0
GMW-41	04/09/13	---	---	<100	---	---	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<10	<2.0	<2.0	<2.0
GMW-41	10/07/13	---	<100	<100	---	---	<0.50	<0.50	<0.50	<0.5	<0.50	0.5 J	<10	<2.0	<2.0	<2.0
GMW-42	11/05/98	---	7,530	---	---	3,340	800	<7.5	55	810	---	---	---	---	---	---
GMW-42	05/27/99	---	6,510	---	---	14,200	1,100	110	60	580	---	---	---	---	---	---
GMW-42	11/18/99	---	7,900	---	---	17,000	810	490	180	1,200	---	---	---	---	---	---
GMW-42	05/17/00	---	3,800	---	---	20,000	9.9	1.2	26	230	---	---	---	---	---	---
GMW-42	12/01/00	---	380	---	---	2,700	1.0	<0.30	<0.30	<0.60	---	18	---	---	---	---
GMW-42	05/10/01	---	490	---	---	620	24	40	11	79	---	5.3	---	---	---	---
GMW-42	11/07/01	---	<300	---	---	<100	<0.30	<0.30	<0.30	1.6	---	<5	---	---	---	---
GMW-42	04/10/02	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	7.0	---	---	---	---
GMW-42	10/09/13	---	<100	120 J	---	---	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<10	<2.0	<2.0	<2.0
GMW-43	11/27/96	---	620	<500	<500	---	<0.50	<0.50	<0.50	<1	---	---	---	---	---	---
GMW-43	07/10/97	---	<50	<50	<50	---	<0.50	<1	<1	<2	---	---	---	---	---	---
GMW-43	01/07/98	---	<500	<100	<100	---	0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-43	05/21/98	---	<300	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-43	11/05/98	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-43	05/27/99	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-43	11/18/99	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-43	05/17/00	---	<300	---	---	170	0.92	<0.30	0.45	<0.60	---	---	---	---	---	---
GMW-43	11/30/00	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
GMW-43	05/09/01	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
GMW-43	11/07/01	---	<300	---	---	150	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
GMW-43	04/11/02	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
GMW-43	10/23/02	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---
GMW-43	04/14/03	---	---	---	---	<100	<1	<1	<1	<2	---	<3	---	---	---	---
GMW-43	10/08/03	---	---	---	---	<100	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---
GMW-43	04/21/04	---	---	---	---	<100	<0.50	<1	<1	<1	---	<1	---	---	---	---
GMW-43	11/06/04	---	---	---	---	<100	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---
GMW-43	05/10/05	---	---	---	---	<100	<0.30	0.68	<0.30	<0.30	---	<5	---	---	---	---
GMW-43	11/08/05	---	---	---	---	200	<0.30	0.47	<0.30	0.31	---	<5	---	---	---	---
GMW-43	05/04/06	---	---	---	---	180	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---
GMW-43	12/08/06	---	---	---	---	<100	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---
GMW-43	05/03/07	---	---	---	---	<100	<0.50	<0.50	<0.50	<1	---	8.0	---	---	---	---
GMW-43	11/15/07	---	---	---	---	<100	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---
GMW-43	04/17/08	---	---	---	---	<100	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---
GMW-43	10/16/08	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-43	04/23/09	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	---	<0.50	<10	<0.50	<0.50	<0.50
GMW-43	10/21/09	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-43	04/15/10	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	---	<0.50	<10	<2	<2	<2
GMW-43	10/08/10	<100	---	---	---	---	<0.50	---	---	---	<0.50	<0.50	<10	---	---	---
GMW-43	04/11/11	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-43	10/11/11	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-43	04/16/12	<100	---	---	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	19	<2.0	<2.0	<2.0
GMW-43	10/16/12	<100	---	---	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<10	<2.0	<2.0	<2.0
GMW-43	04/08/13	---	---	<100	---	---	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<10	<2.0	<2.0	<2.0
GMW-43	10/07/13	---	<100	180 J	---	---	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<10	<2.0	<2.0	<2.0
GMW-44	11/27/96	---	820	<500	<500	---	<0.50	<0.50	<0.50	<1	---	---	---	---	---	---
GMW-44	07/10/97	---	68	1,100	<1000	---	<0.50	<1	<1	<2	---	---	---	---	---	---
GMW-44	01/06/98	---	<500	700	<100	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-44	05/21/98	---	<300	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-44	11/05/98	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-44	05/27/99	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-44	11/18/99	---	<300	---	---	310	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-44	05/17/00	---	<300	---	---	240	<0.30	<0.30	<0.30	1.9	---	---	---	---	---	---
GMW-44	11/30/00	---	<300	---	---	280	0.98	<0.30	0.95	<0.60	---	<5	---	---	---	---
GMW-44	05/09/01	---	<300	---	---	190	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
GMW-44	11/07/01	---	<300	---	---	270	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
GMW-44	04/11/02	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
GMW-44	10/23/02	---	<300	---	---	120	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---
GMW-44	04/14/03	---	---	---	---	<100	<1	<1	<1	<2	---	<3	---	---	---	---
GMW-44	10/08/03	---	---	---	---	230	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---
GMW-44	04/21/04	---	---	---	---	160	<0.50	<1	<1	<1	---	<1	---	---	---	---
GMW-44	11/04/04	---	---	---	---	<100	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---



TABLE 6

Historical Analytical Results for TPH, BTEX, 1-2 DCA, MTBE, TBA, DIPE, ETBE, AND TAME in Groundwater - November 1996 through October 2013

Defense Fuel Support Point, Norwalk, California

Well	Date Sampled	TPH as JP-5 <sup>1</sup>	TPH as Gasoline	TPH as Diesel	TPH as JP-4 <sup>2</sup>	TPH as FP <sup>3</sup>	Benzene	Toulene	Ethylbenzene	Total Xylenes	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>
Results reported in micrograms per liter (µg/L)																
GMW-44	05/06/05	---	---	---	---	120	0.45	0.68	<0.30	<0.30	---	<5	---	---	---	---
GMW-44	11/08/05	---	---	---	---	<100	<0.30	<0.30	<0.30	0.39	---	<5	---	---	---	---
GMW-44	05/04/06	---	---	---	---	<100	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---
GMW-44	12/08/06	---	---	---	---	<100	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---
GMW-44	05/04/07	---	---	---	---	160	<0.50	<0.50	<0.50	<1	---	8.3	---	---	---	---
GMW-44	11/15/07	---	---	---	---	<100	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---
GMW-44	04/17/08	---	---	---	---	<100	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---
GMW-44	10/16/08	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-44	04/23/09	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	---	<0.50	---	<0.50	<0.50	<0.50
GMW-44	10/21/09	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-44	04/15/10	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	---	<0.50	<10	<2	<2	<2
GMW-44	10/08/10	<100	---	---	---	---	<0.50	---	---	<0.50	<0.50	<0.50	<10	---	---	---
GMW-44	04/11/11	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-44	10/11/11	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-44	04/16/12	< 100	---	---	---	---	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	< 0.50	10	< 2.0	< 2.0	< 2.0
GMW-44	10/16/12	< 100	---	---	---	---	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
GMW-44	04/08/13	---	---	100 J	---	---	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
GMW-44	10/07/13	---	< 100	< 100	---	---	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
GMW-45	11/22/96	---	23,000	<500	<500	---	1,100	230	580	2,900	<0.50	---	---	---	---	---
GMW-45	07/09/97	---	1,100	2,700	<2000	---	330	<5	280	930	---	---	---	---	---	---
GMW-45	01/06/98	---	3,200	3,400	4,700	---	286	1.3	188	543	---	---	---	---	---	---
GMW-45	05/20/98	---	4,200	---	---	---	270	221	109	569	---	---	---	---	---	---
GMW-45	11/05/98	---	1,400	---	---	<100	81	<0.30	40	75	---	---	---	---	---	---
GMW-45	05/27/99	---	3,750	---	---	3,890	420	<0.60	180	390	---	---	---	---	---	---
GMW-45	11/18/99	---	3,960	---	---	3,100	380	<3	140	100	---	---	---	---	---	---
GMW-45	05/17/00	---	5,200	---	---	5,500	620	8.0	87	37	---	---	---	---	---	---
GMW-45	11/29/00	---	2,400	---	---	3,100	330	1.3	6.0	4.0	---	<10	---	---	---	---
GMW-45	05/09/01	---	6,500	---	---	4,100	620	74	51	420	---	<50	---	---	---	---
GMW-45	11/07/01	---	5,700	---	---	3,000	730	<3	8.5	19	---	<50	---	---	---	---
GMW-45	04/10/02	---	9,800	---	---	6,500	900	21	69	240	---	240	---	---	---	---
GMW-45	10/23/02	---	3,200	---	---	1,300	770	5.5	120	290	---	<5	---	---	---	---
GMW-45	04/10/03	---	---	---	---	1,570	344	11	5.6	10	---	<6	---	---	---	---
GMW-45	10/08/03	---	---	---	---	3,400	470	<0.60	6.5	3.7	---	<10	---	---	---	---
GMW-45	04/21/04	---	---	---	---	1,400	140	<1	2.5	<1	---	<1	---	---	---	---
GMW-45	11/04/04	---	---	---	---	1,500	84	<0.30	3.0	2.9	---	<5	---	---	---	---
GMW-45	05/05/05	---	---	---	---	6,900	670	17	520	720	---	<50	---	---	---	---
GMW-45	11/05/05	---	---	---	---	2,200	340	0.46	130	250	---	10	---	---	---	---
GMW-45	05/03/06	---	---	---	---	2,400	76	4.1	11	16	---	<5	---	---	---	---
GMW-45	12/05/06	---	---	---	---	1,200	67	1.9	3.6	6.4	---	<5	---	---	---	---
GMW-45	05/02/07	---	---	---	---	1,500	37	0.56	2.0	3.0	---	11	---	---	---	---
GMW-45	11/14/07	---	---	---	---	590	42	<0.50	<0.50	<1	---	9.6	---	---	---	---
GMW-45	04/16/08	---	---	---	---	1,500	21	0.52	1.4	2.9	---	<5	---	---	---	---
GMW-45	10/15/08	730	---	---	---	---	9.7	<0.50	1.9	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-45	04/21/09	1,200	---	---	---	---	11	<2	<2	<2	---	<2	---	---	---	---
GMW-45	10/21/09	1,600	---	---	---	---	15	<0.50	2.2	<0.50	<0.50	<0.50	11	<2	<2	<2
GMW-45	04/12/10	1,700	---	---	---	---	85	<0.50	2.6	0.28	---	<0.50	11	<2	<2	<2
GMW-45	10/07/10	1,400	---	---	---	---	53	---	---	---	<0.50	<0.50	15	---	---	---
GMW-45	04/14/11	1,400	---	---	---	---	150	<0.50	3.6	0.94	<0.50	<0.50	<10	<2	<2	<2
GMW-45	10/11/11	1,600	---	---	---	---	43	<0.33	1.8	0.29	<0.50	<0.50	41	<2	<2	<2
GMW-45	04/19/12	1,700	---	---	---	---	28	0.24 J	1.9	0.80 J	< 0.50	< 0.50	28	< 2.0	< 2.0	< 2.0
GMW-45	10/17/12	1,300	---	---	---	---	44	< 0.50	1.6	< 1.0	< 0.50	< 0.50	20	< 2.0	< 2.0	< 2.0
GMW-45	04/11/13	---	---	3400 J	---	---	24	< 0.50	1.4	0.59 J	< 0.50	< 0.50	13	< 2.0	< 2.0	< 2.0
GMW-47	11/27/96	---	9,600	<500	<500	---	1,800	<25	160	660	---	---	---	---	---	---
GMW-47	07/09/97	---	420	93	<400	---	350	<1	170	79	---	---	---	---	---	---
GMW-47	01/06/98	---	1,900	<100	1,800	---	438	11	75	253	<2.5	<2.5	---	---	---	---
GMW-47	05/20/98	---	<300	---	---	---	1.0	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-47	11/05/98	---	1,700	---	---	<100	910	4.9	18	140	---	---	---	---	---	---
GMW-47	05/26/99	---	<300	---	---	<100	130	<0.30	0.33	3.0	---	---	---	---	---	---
GMW-47	11/18/99	---	2,100	---	---	1,200	1,100	0.77	5.8	27	---	---	---	---	---	---
GMW-47	05/17/00	---	7,200	---	---	8,000	2,300	700	200	1,100	---	---	---	---	---	---
GMW-47	11/29/00	---	990	---	---	1,100	280	0.59	2.2	<0.60	---	<5	---	---	---	---
GMW-47	03/30/01	---	---	---	---	<50	---	---	---	---	---	---	---	---	---	---
GMW-47	05/09/01	---	7,600	---	---	4,100	1,400	110	55	590	---	16	---	---	---	---
GMW-47	11/07/01	---	1,500	---	---	350	410	8.2	8.7	150	---	<50	---	---	---	---
GMW-47	04/10/02	---	4,100	---	---	1,200	710	150	9.2	360	---	<25	---	---	---	---
GMW-47	10/23/02	---	4,000	---	---	2,900	430	<5	26	100	<2.5	<5	---	---	---	---
GMW-47	04/09/03	---	---	---	---	<100	1.4	<0.50	<0.50	<0.50	<1	<0.50	---	---	---	---
GMW-47	09/18/03	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-47	10/08/03	---	140	---	---	380	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-47	02/21/04	---	---	---	<100	---	4.2	<0.50	<0.50	<0.50	---	<0.50	---	---	---	---
GMW-47	04/21/04	---	160	---	---	640	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	07/21/04	---	330	---	---	330	<0.50	<0.50	<0.50	<0.50	---	<0.50	---	---	---	---
GMW-47	11/03/04	---	<100	---	---	430	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	03/02/05	---	170	---	---	110	33	<1	5.8	<1	---	<1	---	---	---	---
GMW-47	05/05/05	---	420	---	---	530	22	<0.50	6.0	18	<0.50	<0.50	<10	<2	<2	<2
GMW-47	08/04/05	---	<100	---	---	110	3.4	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	11/05/05	---	<100	---	---	250	<0.50	<0.50	<							

TABLE 6

Historical Analytical Results for TPH, BTEX, 1-2 DCA, MTBE, TBA, DIPE, ETBE, AND TAME in Groundwater - November 1996 through October 2013

Defense Fuel Support Point, Norwalk, California

Well	Date Sampled	TPH as JP-5 <sup>1</sup>	TPH as Gasoline	TPH as Diesel	TPH as JP-4 <sup>2</sup>	TPH as FP <sup>3</sup>	Benzene	Toulene	Ethylbenz ene	Total Xylenes	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>	
Results reported in micrograms per liter (µg/L)																	
GMW-47	03/23/07	---	<100	---	---	420	11	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
GMW-47	05/02/07	---	<100	---	---	320	4.8	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
GMW-47	08/31/07	---	<100	---	---	400	1.8	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
GMW-47	11/13/07	---	<100	---	---	180	0.83	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
GMW-47	02/07/08	---	<100	---	---	290	1.7	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
GMW-47	04/16/08	---	<100	---	---	270	1.6	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
GMW-47	07/29/08	---	<100	---	---	450	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
GMW-47	10/15/08	300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
GMW-47	02/12/09	460	170	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
GMW-47	04/20/09	730	180	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
GMW-47	07/20/09	1,400	200	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	15	<2	<2	<2	
GMW-47	10/19/09	1,200	170	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	15	<2	<2	<2	
GMW-47	01/11/10	1,300	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	17	<2	<2	<2	
GMW-47	04/19/10	930	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	13	<2	<2	<2	
GMW-47	10/06/10	1,800	---	---	---	---	0.35 J	---	---	<0.50	<0.50	16	---	---	---	---	
GMW-47	01/11/11	1,600	---	---	---	---	5.2	<0.50	0.75	<0.50	<0.50	1.2	17	<2	<2	<2	
GMW-47	04/14/11	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	3,000	---	---	---	---	0.54	<0.50	0.58	<0.50	<0.50	3.8	32	<2	<2	<2	
GMW-47	10/11/11	3,900	---	---	---	---	0.55	<0.50	0.99	0.32	<0.50	6.1	46	<2	<2	<2	
GMW-47	01/10/12	2,900	---	---	---	---	0.63	<0.50	0.74	0.36 J	<0.50	7.9	110	<2.0	<2.0	<2.0	
GMW-47	04/20/12	2,300	---	---	---	---	0.52	<0.50	0.68	0.31 J	<0.50	5.0	310	<2.0	<2.0	<2.0	
GMW-47	07/10/12	2,600	---	---	---	---	0.15 J	<0.50	0.29 J	0.31 J	<0.50	6.5	250	<2.0	<2.0	<2.0	
GMW-47	10/17/12	1,400	---	---	---	---	0.46 J	<0.50	0.17 J	<1.0	<0.50	4.5	310	<2.0	<2.0	<2.0	
GMW-47	01/15/13	---	---	580 J	---	---	<0.50	<0.50	<0.50	<0.5	<0.50	3.7	320	<2.0	<2.0	<2.0	
GMW-47	04/11/13	---	---	1500 J	---	---	<0.50	<0.50	<0.50	<0.5	<0.50	5.4	150	<2.0	<2.0	<2.0	
GMW-47	10/08/13	---	<100	990 J	---	---	<0.50	<0.50	<0.50	<0.5	<0.50	4.8	490	<2.0	<2.0	<2.0	
GMW-48	11/22/96	---	56,000	<500	<500	---	10,000	1,800	1,500	6,900	0.80	---	---	---	---	---	
GMW-48	10/09/13	---	1200 J	3100 J	---	---	450	0.49 J	1.3	1.48 J	<0.50	0.78	32	<2.0	<2.0	<2.0	
GMW-5	11/27/96	---	<50	<500	<500	---	<0.50	<0.50	<0.50	<1	---	---	---	---	---	---	
GMW-5	07/11/97	---	<50	<50	<50	---	<0.50	<1	<1	<2	---	---	---	---	---	---	
GMW-5	01/06/98	---	<500	<100	<100	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	
GMW-5	05/18/98	---	---	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	
GMW-5	11/04/98	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	
GMW-5	05/27/99	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	
GMW-5	11/18/99	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	
GMW-5	05/16/00	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	
GMW-5	11/29/00	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---	
GMW-5	05/09/01	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---	
GMW-5	11/07/01	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---	
GMW-5	04/10/02	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---	
GMW-5	10/08/13	---	<100	120 J	---	---	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<10	<2.0	<2.0	<2.0	
GMW-50	01/10/12	820	---	---	---	---	48	<0.50	0.24 J	2.5	<0.50	0.47 J	9.6 J	<2.0	<2.0	<2.0	
GMW-56	11/05/98	---	<300	---	---	<100	<0.30	<0.30	16	<0.60	---	---	---	---	---	---	
GMW-56	05/27/99	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	
GMW-56	11/18/99	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	
GMW-56	05/17/00	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	
GMW-56	11/29/00	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---	
GMW-56	05/09/01	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---	
GMW-56	11/07/01	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---	
GMW-56	04/10/02	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	12	---	---	---	---	
GMW-56	04/10/03	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
GMW-56	10/08/03	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
GMW-56	04/21/04	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
GMW-56	11/04/04	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
GMW-56	05/05/05	---	---	---	---	120	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
GMW-56	11/05/05	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
GMW-56	05/03/06	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
GMW-56	12/08/06	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
GMW-56	05/02/07	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
GMW-56	11/14/07	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
GMW-56	04/16/08	---	---	---	---	<100	<0.50	<0.50	<0.50	0.94	<0.50	<0.50	<10	<2	<2	<2	
GMW-56	10/15/08	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
GMW-56	04/21/09	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
GMW-56	10/21/09	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	4.2 J	<2	<2	<2	
GMW-56	04/12/10	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
GMW-56	04/15/11	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
GMW-56	10/08/13	---	<100	190 J	---	---	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<10	<2.0	<2.0	<2.0	
GMW-57	11/05/98	---	<300	---	---	<100	12	0.63	4.5	0.97	---	---	---	---	---	---	
GMW-57	05/26/99	---	379	---	---	<100	150	15	12	55	---	---	---	---	---	---	
GMW-57	11/18/99	---	4,000	---	---	3,600	950	240	150	750	---	---	---	---	---	---	
GMW-57	05/17/00	---	17,000	---	---	<100	3,200	2,200	750	4,300	---	---	---	---	---	---	
GMW-57	11/29/00	---	11,000	---	---	7,100	2,300	21	340	1,800	---	<100	---	---	---	---	
GMW-57	03/30/01	---	---	---	---	1,800	---	---	---	---	---	---	---	---	---	---	
GMW-57	05/09/01	---	28,000	---	---	12,000	3,300	3,100	690	3,600	---	<50	---	---	---	---	
GMW-57	11/07/01	---	19,000	---	---	11,000	3,900	1,600	390	3,400	---	<500	---	---	---	---	
GMW-57	04/10/02	---	5,000	---	---	5,300	720	150	8.2	360	<2.5	<2.5	---	---	---	---	
GMW-57	10/23/02	---	1,700	---	---	2,000	690	<0.30	3.2	5.7	---	<5	---	---	---	---	
GMW-57	04/09/03	---	---	---	---	<100	<1	<1	<1	<2	---	<3	---	---	---	---	
GMW-57	09/18/03	---	---	---	---	170	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
GMW-57	10/11/03	---	200	---	---	650	47	<0.50	0.57	<0.50	<0.50	<0.50	---	---	---	---	
GMW-57	02/21/04	---	---	---	470	---	190	<0.50	<0.50	<0.50	---	<0.50	---	---	---	---	



TABLE 6

Historical Analytical Results for TPH, BTEX, 1-2 DCA, MTBE, TBA, DIPE, ETBE, AND TAME in Groundwater - November 1996 through October 2013

Defense Fuel Support Point, Norwalk, California

Well	Date Sampled	TPH as JP-5 <sup>1</sup>	TPH as Gasoline	TPH as Diesel	TPH as JP-4 <sup>2</sup>	TPH as FP <sup>3</sup>	Benzene	Toulene	Ethylbenzene	Total Xylenes	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>
Results reported in micrograms per liter (µg/L)																
GMW-57	04/21/04	---	110	---	---	710	21	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	07/21/04	---	340	---	---	720	48	<0.50	<0.50	<0.50	---	<0.50	270	57	54	50
GMW-57	11/03/04	---	120	---	---	270	22	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	03/02/05	---	400	---	---	170	190	<1	2.5	<1	---	<1	---	---	---	---
GMW-57	05/05/05	---	280	---	---	170	57	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	08/04/05	---	170	---	---	430	120	<0.50	0.54	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	11/05/05	---	120	---	---	100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	03/08/06	---	180	---	---	180	4.8	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	05/03/06	---	<100	---	---	280	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	07/28/06	---	180	---	---	1,100	1.8	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	12/05/06	---	<100	---	---	290	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	03/23/07	---	120	---	---	540	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	05/02/07	---	120	---	---	720	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	08/31/07	---	110	---	---	700	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	11/13/07	---	160	---	---	450	0.72	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	02/07/08	---	150	---	---	720	4.0	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	04/16/08	---	<100	---	---	540	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	07/29/08	---	<100	---	---	390	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	10/15/08	210	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	02/12/09	140	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	04/20/09	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	07/21/09	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	10/19/09	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	8.1 J	<2	<2	<2
GMW-57	01/11/10	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	04/12/10	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	10/06/10	<100	---	---	---	---	<0.50	---	---	---	<0.50	<0.50	<10	---	---	---
GMW-57	01/10/11	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	04/11/11	<100	---	---	---	---	1.4	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	07/11/11	130	---	---	---	---	10	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	10/11/11	<100	---	---	---	---	1.6	<0.50	<0.50	0.48	<0.50	<0.50	<10	<2	<2	<2
GMW-57	01/09/12	< 100	---	---	---	---	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
GMW-57	04/17/12	200	---	---	---	---	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
GMW-57	07/09/12	330	---	---	---	---	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
GMW-57	10/16/12	110	---	---	---	---	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
GMW-57	01/14/13	---	---	< 100	---	---	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
GMW-57	04/08/13	---	---	180 J	---	---	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	0.54	< 10	< 2.0	< 2.0	< 2.0
GMW-57	10/08/13	---	< 100	140 J	---	---	0.34 J	< 0.50	< 0.50	0.99	< 0.50	0.74	< 10	< 2.0	< 2.0	< 2.0
GMW-58	11/04/98	---	2,590	---	---	1,700	200	210	67	280	---	---	---	---	---	---
GMW-58	05/26/99	---	1,360	---	---	451	310	62	42	170	---	---	---	---	---	---
GMW-58	11/18/99	---	1,600	---	---	1,900	82	26	20	100	---	---	---	---	---	---
GMW-58	05/17/00	---	21,000	---	---	36,000	3,500	5,900	730	3,900	---	---	---	---	---	---
GMW-58	03/02/05	---	5,800	---	---	22,000	1,700	<20	250	400	---	<20	---	---	---	---
GMW-58	05/05/05	---	12,000	---	---	36,000	410	<2.5	13	600	<2.5	<2.5	<50	<10	<10	<10
GMW-58	08/04/05	---	5,800	---	---	24,000	500	<2.5	56	124	<2.5	<2.5	<50	<10	<10	<10
GMW-58	11/05/05	---	6,300	---	---	9,700	560	<2.5	380	196	<2.5	<2.5	<50	<10	<10	<10
GMW-58	03/08/06	---	5,300	---	---	34,000	250	<2.5	140	21	<2.5	<2.5	<50	<10	<10	<10
GMW-58	05/03/06	---	2,900	---	---	16,000	260	<1	85	27	<1	<1	<20	<4	<4	<4
GMW-58	07/28/06	---	3,200	---	---	15,000	310	<1	78	23	<1	<1	<20	<4	<4	<4
GMW-58	03/23/07	---	1,700	---	---	4,100	350	<1	5.9	<1	<1	<1	<20	<4	<4	<4
GMW-58	05/02/07	---	2,200	---	---	2,500	320	<1	9.5	<1	<1	<1	<20	<4	<4	<4
GMW-58	08/31/07	---	3,000	---	---	2,400	240	<2.5	<2.5	<2.5	<2.5	<2.5	<50	<10	<10	<10
GMW-58	11/13/07	---	2,000	---	---	720	240	<1	7.4	<1	<1	<1	<20	<4	<4	<4
GMW-58	02/07/08	---	1,100	---	---	5,000	270	<1	1.8	<1	<1	<1	<20	<4	<4	<4
GMW-58	04/16/08	---	1,100	---	---	720	310	<2.5	<2.5	<2.5	8.4	<2.5	<50	<10	<10	<10
GMW-58	07/29/08	---	870	---	---	750	45	<0.50	<0.50	<0.50	<0.50	0.77	<10	<2	<2	<2
GMW-58	10/15/08	840	1,200	---	---	---	62	<0.50	0.67	0.62	<0.50	<0.50	<10	<2	<2	<2
GMW-58	02/12/09	2,200	1,000	---	---	---	36	<0.50	0.85	<0.50	<0.50	0.55	<10	<2	<2	<2
GMW-58	04/20/09	230	130	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	13	<10	<2	<2	<2
GMW-58	07/20/09	300	100	---	---	---	1.2	<0.50	<0.50	<0.50	<0.50	6.4	<10	<2	<2	<2
GMW-58	10/19/09	2,200	1,000	---	---	---	9.5	<0.50	0.24 J	<0.50	<0.50	1.5	6 J	<2	<2	<2
GMW-58	01/11/10	190	---	---	---	---	9.7	<0.50	<0.50	<0.50	<0.50	1.7	3.8 J	<2	<2	<2
GMW-58	04/19/10	300	---	---	---	---	12	<0.50	<0.50	<0.50	<0.50	0.81	5.7 J	<2	<2	<2
GMW-58	10/06/10	170	---	---	---	---	8.6	---	---	---	<0.50	<0.50	<10	---	---	---
GMW-58	01/10/11	410	---	---	---	---	5.8	<0.50	<0.50	<0.50	<0.50	0.46 J	<10	<2	<2	<2
GMW-58	04/13/11	1,300	---	---	---	---	94	<0.50	0.35 J	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-58	07/11/11	220	---	---	---	---	31	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-58	10/11/11	350	---	---	---	---	27	<0.50	<0.50	<0.50	<0.50	0.65	<10	<2	<2	<2
GMW-58	04/18/12	710	---	---	---	---	28	< 0.50	0.18 J	0.48 J	0.82	0.54	< 10	< 2.0	< 2.0	< 2.0
GMW-58	07/10/12	890	---	---	---	---	27	< 0.50	< 0.50	< 1.0	< 0.50	0.46 J	18	< 2.0	< 2.0	< 2.0
GMW-58	10/17/12	790	---	---	---	---	18	< 0.50	< 0.50	< 1.0	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
GMW-58	01/15/13	---	---	420 J	---	---	8.7	< 0.50	< 0.50	0.32 J	< 0.50	< 0.50	17	< 2.0	< 2.0	< 2.0
GMW-58 DUP	01/15/13	---	---	< 2000	---	---	8.5	< 0.50	< 0.50	0.3 J	< 0.50	< 0.50	18	< 2.0	< 2.0	< 2.0
GMW-58	04/10/13	---	---	1600 J	---	---	6.7	< 0.50	< 0.50	< 0.5	< 0.50	0.46 J	25	< 2.0	< 2.0	< 2.0
GMW-58	10/08/13	---	460 J	1200 J	---	---	4.7	< 0.50	< 0.50	< 0.5	< 0.50	0.43 J	15	< 2.0	< 2.0	< 2.0
GMW-59	11/04/98	---	9,880	---	---	12,400	950	600	210	620	---	---	---	---	---	---
GMW-59	11/29/00	---	67,000	---	---	21,000	3,500	900	750	3,600	---	<130	---	---	---	---
GMW-59	04/10/03	---	---	---	---	29,600	261	4.8	18	110	---	<3	---	---	---	---
GMW-59	10/08/03	---	---	---	---	4,900	760	<3	65	450	---	<50	---	---	---	---
GMW-59	04/21/04	---	---	---	---	5,000	590	<1	100	276						

TABLE 6

## Historical Analytical Results for TPH, BTEX, 1-2 DCA, MTBE, TBA, DIPE, ETBE, AND TAME in Groundwater - November 1996 through October 2013

Defense Fuel Support Point, Norwalk, California

Well	Date Sampled	TPH as JP-5 <sup>1</sup>	TPH as Gasoline	TPH as Diesel	TPH as JP-4 <sup>2</sup>	TPH as FP <sup>3</sup>	Benzene	Toulene	Ethylbenzene	Total Xylenes	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>
Results reported in micrograms per liter (µg/L)																
GMW-59	05/05/05	---	11,000	---	---	9,400	170	<0.50	60	7.8	<0.50	11	<10	<2	<2	<2
GMW-59	08/04/05	---	6,400	---	---	17,000	140	<1	56	6.6	<1	<1	<20	<4	<4	<4
GMW-59	11/05/05	---	9,500	---	---	26,000	270	<0.50	26	2.2	<0.50	<0.50	<10	<2	<2	<2
GMW-59	03/08/06	---	4,600	---	---	13,000	260	<1	7.4	<1	<1	<1	<20	<4	<4	<4
GMW-59	05/03/06	---	9,900	---	---	9,300	210	<1	4.0	<1	<1	<1	<20	<4	<4	<4
GMW-59	07/28/06	---	3,200	---	---	37,000	540	<1	3.1	<1	<1	4.8	<20	<4	<4	<4
GMW-59	12/05/06	---	---	---	---	9,000	800	4.3	5.2	11	---	<10	---	---	---	---
GMW-59	03/23/07	---	8,200	---	---	15,000	840	<2.5	<2.5	<2.5	<2.5	<2.5	<50	<10	<10	<10
GMW-59	05/02/07	---	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	---	4,800	---	---	3,500	720	<2.5	<2.5	<2.5	<2.5	<2.5	<50	<10	<10	<10
GMW-59	11/13/07	---	4,700	---	---	2,200	660	<5	<5	<5	<5	<5	<100	<20	<20	<20
GMW-59	02/07/08	---	3,200	---	---	3,900	490	<2.5	3.8	<2.5	<2.5	2.7	<50	<10	<10	<10
GMW-59	04/16/08	---	3,600	---	---	2,100	580	<2.5	3.5	<2.5	15	3.7	<50	<10	<10	<10
GMW-59	07/29/08	---	2,300	---	---	2,900	580	<2.5	<2.5	<2.5	<2.5	3.3	<50	<10	<10	<10
GMW-59	10/15/08	2,400	2,500	---	---	---	830	<2.5	<2.5	<2.5	<2.5	5.5	<50	<10	<10	<10
GMW-59	02/12/09	2,600	2,500	---	---	---	650	<2.5	<2.5	<2.5	<2.5	3.2	<50	<10	<10	<10
GMW-59	04/20/09	19,000	8,500	---	---	---	610	<2.5	<2.5	<2.5	<2.5	2.7	<50	<10	<10	<10
GMW-59	07/20/09	11,000	6,700	---	---	---	520	<2.5	<2.5	<2.5	<2.5	3.5	<50	<10	<10	<10
GMW-59	10/21/09	3,000	2,600	---	---	---	1,700	<2.5	1.4 J	<2.5	<2.5	16	18 J	<10	<10	<10
GMW-59	01/11/10	1,900	---	---	---	---	2,200	<10	<10	<10	<10	17	<200	<40	<40	<40
GMW-59	04/19/10	1,700	2,900	---	---	---	570	<0.50	1.9	<0.50	<0.50	2.3	11	<2	<2	<2
GMW-59	10/06/10	1,500	850	---	---	---	87	---	---	<0.50	<0.50	3.5	17	---	---	---
GMW-59	01/11/11	4,100	2,500	---	---	---	1,100	<0.50	1.1	<0.50	<0.50	8.8	23	<2	<2	<2
GMW-59	04/14/11	3,800	10,000	---	---	---	130	<0.50	0.85	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-59	07/12/11	1,700	1,400	---	---	---	14	<0.50	0.43 J	<0.50	<0.50	8 J	<2	<2	<2	<2
GMW-59	10/11/11	2,500	<1800	---	---	---	130	<0.24	0.78	<0.50	<0.50	2.1	13	<2	<2	<2
GMW-59	01/10/12	2,600	2,800	---	---	---	340	0.24 J	0.54	<1.0	<0.50	5.2	16	<2.0	<2.0	<2.0
GMW-59 DUP	01/10/12	2,900	---	---	---	---	330	0.26 J	0.55	<1.0	<0.50	4.5	33	<2.0	<2.0	<2.0
GMW-59	04/20/12	3,800	3,100	---	---	---	870	0.27 J	0.85	0.24 J	<0.50	8.4	36	<2.0	<2.0	<2.0
GMW-59 DUP	04/20/12	3,600	---	---	---	---	930	0.26 J	0.96	<1.0	<0.50	8.9	24	<2.0	<2.0	<2.0
GMW-59	07/10/12	6,300	---	---	---	---	1,100	<5.0	1.5 J	<10.0	<5.0	9.7	<100	<20	<20	<20
GMW-59 DUP	07/10/12	---	---	---	---	---	1,100	<5.0	1.6 J	<10.0	<5.0	9.3	<100	<20	<20	<20
GMW-59	10/19/12	4,800	3,400	---	---	---	1,000	<5.0	1.8 J	<10.0	<5.0	7.8	<100	<20	<20	<20
GMW-59 DUP	10/19/12	5,500	---	---	---	---	1,000	<5.0	1.8 J	<10.0	<5.0	7.5	<100	<20	<20	<20
GMW-59	01/15/13	---	2400	1500 J	---	---	670	<2.5	1.6 J	<2.5	<2.5	7.4	<50	<10	<10	<10
GMW-59 DUP	01/15/13	---	---	1400 J	---	---	710	<2.5	1.7 J	<2.5	<2.5	8	<50	<10	<10	<10
GMW-59	04/12/13	---	2500 J	8200	---	---	680	<2.5	2.2 J	<2.5	<2.5	6.6	<50	<10	<10	<10
GMW-59 DUP	04/12/13	---	---	---	---	---	650	<2.5	1.8 J	<2.5	<2.5	6.8	<50	<10	<10	<10
GMW-59	10/09/13	---	1400 J	3100 J	---	---	240	<0.50	0.76	0.3 J	<0.50	5.1	<10	<2.0	<2.0	<2.0
GMW-59 DUP	10/09/13	---	1500 J	3400 J	---	---	270	<0.50	1	0.69 J	<0.50	6.1	<10	<2.0	<2.0	<2.0
GMW-6	11/27/96	---	5,300	<500	<500	---	330	<12	320	300	---	---	---	---	---	---
GMW-6	07/09/97	---	<50	<50	<50	---	2.7	<1	1.4	<2	<5	---	---	---	---	---
GMW-6	01/07/98	---	<500	<100	<100	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-6	05/21/98	---	<300	---	---	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
GMW-6	11/05/98	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-6	05/27/99	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-6	11/18/99	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-6	05/16/00	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-6	11/29/00	---	<300	---	---	550	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
GMW-6	05/09/01	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
GMW-6	11/07/01	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
GMW-6	04/10/02	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
GMW-6	10/23/02	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---
GMW-6	04/10/03	---	---	---	---	<100	<1	<1	<1	<2	---	<3	---	---	---	---
GMW-6	10/08/03	---	---	---	---	130	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---
GMW-6	04/22/04	---	---	---	---	<100	0.41	<0.30	<0.30	<0.30	---	<5	---	---	---	---
GMW-6	11/06/04	---	---	---	---	4,100	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---
GMW-6	05/06/05	---	---	---	---	<100	<0.30	0.46	<0.30	<0.30	---	<5	---	---	---	---
GMW-6	11/08/05	---	---	---	---	<100	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---
GMW-6	05/03/06	---	---	---	---	<100	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---
GMW-6	12/08/06	---	---	---	---	<100	<0.50	<0.50	<0.50	1.3	---	<5	---	---	---	---
GMW-6	05/02/07	---	---	---	---	<100	0.58	0.54	<0.50	<1	---	<5	---	---	---	---
GMW-6	08/31/07	---	3,400	---	---	1,100	400	96	45	188	<0.50	<0.50	<10	<2	<2	<2
GMW-6	11/14/07	---	---	---	---	<100	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---
GMW-6	11/15/07	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2
GMW-6	04/16/08	---	---	---	---	<100	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---
GMW-6	10/15/08	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<10	<2	<2	<2
GMW-6	04/21/09	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	---	43	---	---	---	---
GMW-6	07/21/09	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-6	10/20/09	110	---	---	---	---	1.5	<0.50	<0.50	<0.50	<0.50	350	<10	<2	<2	0.51 J
GMW-6	04/12/10	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	---	7.2	<10	<2	<2	<2
GMW-6	10/05/10	170	---	---	---	---	0.35 J	---	---	---	<0.50	130	210	---	---	---
GMW-6	02/24/11	---	<50	---	---	120	0.53	<0.50	<0.50	<0.50	<0.50	9.6	120	<1	<1	<1
GMW-6	04/13/11	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-6	10/10/11	290	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.8	220	<2	<2	<2
GMW-6	04/19/12	<100	---	---	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	0.34 J	<10	<2.0	<2.0	<2.0
GMW-6	10/15/12	<100	---	---	---	---	<0.50	<0.50	0.17 J	<1.0	<0.50	<0.50	<10	<2.0	<2.0	<2.0
GMW-6	04/10/13	---	---	110 J	---	---	<0.50	<0.50	<0.50	<0.5	<0.50	0.44 J	<10	<2.0	<2.0	<2.0
GMW-6	10/08/13	---	<100	250 J	---	---	<0.50	<0.50	<0.50	<0.5	<0.50	1.2	57	<2.0	<2.0	<2.0
GMW-60	07/21/04	---	15,000	---	---	5,300	1,700	160	710	2,050	---	<0.50	---	---	---	---
GMW-60	11/03/04	---	12,000	---	---	3,500	1,700	70	900	1,780	<5	<5	<100	<20	<20	<20

TABLE 6

Historical Analytical Results for TPH, BTEX, 1-2 DCA, MTBE, TBA, DIPE, ETBE, AND TAME in Groundwater - November 1996 through October 2013

Defense Fuel Support Point, Norwalk, California

Well	Date Sampled	TPH as JP-5 <sup>1</sup>	TPH as Gasoline	TPH as Diesel	TPH as JP-4 <sup>2</sup>	TPH as FP <sup>3</sup>	Benzene	Toulene	Ethylbenzene	Total Xylenes	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>	
Results reported in micrograms per liter (µg/L)																	
GMW-60	03/02/05	---	8,300	---	---	4,900	1,300	<20	860	2,040	---	<20	---	---	---	---	
GMW-60	05/05/05	---	9,400	---	---	4,600	1,100	<5	790	1,740	<5	<5	<100	<20	<20	<20	
GMW-60	08/04/05	---	6,200	---	---	5,600	1,000	<5	680	1,070	<5	<5	<100	<20	<20	<20	
GMW-60	11/05/05	---	7,200	---	---	4,400	970	<5	710	1,130	<5	<5	<100	<20	<20	<20	
GMW-60	03/08/06	---	5,900	---	---	5,200	680	<5	640	800	<5	<5	<100	<20	<20	<20	
GMW-60	05/03/06	---	3,900	---	---	2,200	770	<5	230	235	<5	<5	<100	<20	<20	<20	
GMW-60	07/28/06	---	4,600	---	---	4,900	850	<5	170	102	<5	<5	<100	<20	<20	<20	
GMW-60	12/05/06	---	4,100	---	---	920	660	<5	130	92	<5	<5	<100	<20	<20	<20	
GMW-60	03/23/07	---	3,500	---	---	1,700	490	<2.5	87	80	<2.5	<2.5	<50	<10	<10	<10	
GMW-60	05/02/07	---	2,800	---	---	630	300	<2.5	18	23	<2.5	<2.5	<50	<10	<10	<10	
GMW-60	08/31/07	---	2,000	---	---	660	250	<2.5	18	5.9	<2.5	<2.5	<50	<10	<10	<10	
GMW-60	11/13/07	---	1,500	---	---	<100	180	<0.50	21	4.3	<0.50	<0.50	<10	<2	<2	<2	
GMW-60	02/07/08	---	1,700	---	---	290	270	0.80	65	48	<0.50	<0.50	<10	<2	<2	<2	
GMW-60	04/16/08	---	1,400	---	---	920	160	<1	24	<1	<1	<1	<20	<4	<4	<4	
GMW-60	07/29/08	---	2,000	---	---	610	240	<1	3.9	<1	<1	<1	<20	<4	<4	<4	
GMW-60	10/15/08	270	1,400	---	---	---	220	<1	2.7	<1	<1	<1	<20	<4	<4	<4	
GMW-60	02/12/09	490	1,600	---	---	---	200	<1	2.5	<1	<1	<1	<20	<4	<4	<4	
GMW-60	04/20/09	1,100	3,500	---	---	---	800	<5	7.9	<5	<5	<5	<100	<20	<20	<20	
GMW-60	07/20/09	1,700	3,200	---	---	---	940	<5	11	<5	<5	<5	<100	<20	<20	<20	
GMW-60	10/19/09	930	2,600	---	---	---	800	<5	8.8	<5	<5	<5	<100	<20	<20	<20	
GMW-60	01/11/10	<100	---	---	---	---	940	<5	12	<5	<5	<1	<100	<20	<20	<20	
GMW-60	04/13/10	1,300	1,900	---	---	---	580	<0.50	8.7	0.26	<0.50	<0.50	<10	<2	<2	<2	
GMW-60	10/06/10	1,900	560	---	---	---	770	---	---	---	<0.50	<0.50	<10	---	---	---	
GMW-60	01/11/11	2,100	3,200	---	---	---	870	<0.50	12	<0.50	<0.50	<0.50	<10	<2	<2	<2	
GMW-60	04/15/11	1,200	2,100	---	---	---	590	<0.50	9.8	<0.50	<0.50	<0.50	<10	<2	<2	<2	
GMW-60	07/12/11	1,500	2,200	---	---	---	560	<0.50	10	0.27	<0.50	<0.50	8.8 J	<2	<2	<2	
GMW-60	10/11/11	1,500	2,300	---	---	---	510	<0.50	9.1	0.38	<0.50	<0.50	<10	<2	<2	<2	
GMW-60	01/10/12	990	2,100	---	---	---	210	0.3 J	7.3	< 1.0	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0	
GMW-60	04/20/12	1,300	1,200	---	---	---	13	< 0.50	3.1	0.36 J	< 0.50	< 0.50	14	< 2.0	< 2.0	< 2.0	
GMW-60	07/10/12	1,200	---	---	---	---	5.1	< 0.50	0.70	0.24 J	< 0.50	< 0.50	69	< 2.0	< 2.0	< 2.0	
GMW-60	10/17/12	1,100	630	---	---	---	1.5	< 0.50	0.4 J	< 1.0	< 0.50	< 0.50	280	< 2.0	< 2.0	< 2.0	
GMW-60	01/15/13	---	610	460 J	---	---	4.3	< 0.50	0.37 J	< 0.5	< 0.50	< 0.50	620	< 2.0	< 2.0	< 2.0	
GMW-60	04/11/13	---	1000 J	3200 J	---	---	61	< 0.50	1.6	0.73 J	< 0.50	< 0.50	460	< 2.0	< 2.0	< 2.0	
GMW-60	10/09/13	---	920 J	2300 J	---	---	25	< 0.50	0.7	0.59 J	< 0.50	< 0.50	800	< 2.0	< 2.0	< 2.0	
GMW-60 DUP	10/09/13	---	880 J	2500 J	---	---	30	< 0.50	0.94	0.69 J	< 0.50	< 0.50	880	< 2.0	< 2.0	< 2.0	
GMW-60 DUP	10/17/12	1,200	---	---	---	---	1.4	< 0.50	0.3 J	< 1.0	< 0.50	< 0.50	330	< 2.0	< 2.0	< 2.0	
GMW-61	07/21/04	---	19,000	---	---	14,000	2,400	1,700	1,000	4,000	---	<0.50	---	---	---	---	
GMW-61	11/03/04	---	23,000	---	---	5,700	2,500	2,200	1,200	5,000	<5	<5	<100	<20	<20	<20	
GMW-61	03/02/05	---	20,000	---	---	10,000	2,700	1,900	1,100	5,900	---	<20	---	---	---	---	
GMW-61	05/05/05	---	11,000	---	---	7,000	2,000	310	840	2,500	<10	<10	<200	<40	<40	<40	
GMW-61	08/04/05	---	11,000	---	---	12,000	1,900	740	740	3,500	<10	<10	<200	<40	<40	<40	
GMW-61	11/05/05	---	16,000	---	---	10,000	2,600	480	1,100	4,900	<10	<10	<200	<40	<40	<40	
GMW-61	03/08/06	---	11,000	---	---	7,900	2,100	280	1,000	2,700	<10	<10	<200	<40	<40	<40	
GMW-61	05/03/06	---	9,600	---	---	7,300	1,900	89	810	2,030	<10	<10	<200	<40	<40	<40	
GMW-61	07/28/06	---	7,200	---	---	9,900	1,400	20	460	1,290	<10	<10	<200	<40	<40	<40	
GMW-61	12/05/06	---	7,900	---	---	4,000	1,500	19	330	2,050	<5	<5	<100	<20	<20	<20	
GMW-61	03/23/07	---	7,500	---	---	3,100	1,200	16	220	1,340	<5	<5	<100	<20	<20	<20	
GMW-61	05/02/07	---	11,000	---	---	3,000	1,600	27	290	2,090	<5	<5	<100	<20	<20	<20	
GMW-61	08/31/07	---	9,200	---	---	1,600	1,500	17	190	1,170	<0.50	<0.50	<10	<2	<2	<2	
GMW-61	11/13/07	---	2,300	---	---	<100	580	6.3	99	360	<5	<5	<100	<20	<20	<20	
GMW-61	02/07/08	---	2,600	---	---	890	330	8.6	70	363	<2.5	<2.5	<50	<10	<10	<10	
GMW-61	04/16/08	---	2,000	---	---	1,100	480	5.0	64	399	<2.5	<2.5	<50	<10	<10	<10	
GMW-61	07/29/08	---	1,500	---	---	790	400	<2.5	28	129	<2.5	<2.5	<50	<10	<10	<10	
GMW-61	10/15/08	500	1,300	---	---	---	450	<2.5	34	150	<2.5	<2.5	<50	<10	<10	<10	
GMW-61	02/12/09	<100	1,100	---	---	---	340	<2.5	13	57	<2.5	<2.5	<50	<10	<10	<10	
GMW-61	04/20/09	550	1,100	---	---	---	490	<2.5	<2.5	<2.5	<2.5	<2.5	<50	<10	<10	<10	
GMW-61	07/20/09	560	760	---	---	---	350	<2.5	<2.5	<2.5	<2.5	<2.5	<50	<10	<10	<10	
GMW-61	10/19/09	410	620	---	---	---	320	<2.5	1.2 J	<2.5	<2.5	<2.5	<50	<10	<10	<10	
GMW-61	01/11/10	<100	---	---	---	---	190	<1	0.99 J	<1	<1	<1	<20	<4	<4	<4	
GMW-61	04/15/10	500	740	---	---	---	380	<0.50	1.7	<0.50	<0.50	<0.50	3.7 J	<2	<2	<2	
GMW-61	10/06/10	550	1,200	---	---	---	100	---	---	---	<0.50	<0.50	<10	---	---	---	
GMW-61	01/10/11	910	800	---	---	---	190	<0.50	1.8	0.48	<0.50	<0.50	<10	<2	<2	<2	
GMW-61	04/14/11	700	790	---	---	---	110	<0.50	1.2	<0.50	<0.50	<0.50	<10	<2	<2	<2	
GMW-61	07/12/11	240	230	---	---	---	6.4	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
GMW-61	10/11/11	<100	140	---	---	---	<0.50	<0.70	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
GMW-61	01/10/12	100	210	---	---	---	0.15 J	1.1	< 0.50	< 1.0	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0	
GMW-61	04/19/12	250	190	---	---	---	9.1	0.63	0.2 J	0.33 J	< 0.50	< 0.50	27	< 2.0	< 2.0	< 2.0	
GMW-61 DUP	04/19/12	300	---	---	---	---	9.3	0.97	0.21 J	0.32 J	< 0.50	< 0.50	26	< 2.0	< 2.0	< 2.0	
GMW-61	07/10/12	510	---	---	---	---	110	0.29 J	0.87	0.28 J	< 0.50	< 0.50	14	< 2.0	< 2.0	< 2.0	
GMW-61	10/19/12	800	1,500	---	---	---	290	0.87	2.5	0.63	< 0.50	< 0.50	< 10	<			



TABLE 6

Historical Analytical Results for TPH, BTEX, 1-2 DCA, MTBE, TBA, DIPE, ETBE, AND TAME in Groundwater - November 1996 through October 2013

Defense Fuel Support Point, Norwalk, California

Well	Date Sampled	TPH as JP-5 <sup>1</sup>	TPH as Gasoline	TPH as Diesel	TPH as JP-4 <sup>2</sup>	TPH as FP <sup>3</sup>	Benzene	Toulene	Ethylbenzene	Total Xylenes	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>
Results reported in micrograms per liter (µg/L)																
GMW-8	11/29/00	---	<300	---	---	780	1.0	0.90	<0.50	1.5	10	2.9	---	---	---	---
GMW-8	05/09/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-8	11/07/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-8	04/11/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	2.5	2.4	---	---	---	---
GMW-8	10/24/02	---	<300	---	---	120	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-8	04/10/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.62	---	---	---	---
GMW-8	10/08/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	0.52	<0.50	---	---	---	---
GMW-8	04/21/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-8	11/05/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-8	05/05/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-8	11/03/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-8	05/03/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.78	---	---	---	---
GMW-8	12/07/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	7.6	---	---	---	---
GMW-8	05/05/07	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	6.5	---	---	---	---
GMW-8	11/14/07	---	<50	---	---	130	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-8	04/17/08	---	<50	---	---	130	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-8	10/21/08	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-8	04/22/09	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-8	10/19/09	---	<50	---	---	120	<0.50	<0.50	<0.50	<0.50	<0.50	1.5	<10	<1	<1	<1
GMW-8	05/26/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-8	10/06/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-8	06/14/13	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	1.4	0.59	< 10	< 1	< 1	< 1
GMW-9	10/07/10	---	6,800	---	---	7,200	890	62	120	650	<10	56	1,600	44	<10	<10
GMW-9	04/13/11	---	54,000	---	---	21,000	20,000	290	970	3,800	<200	3,600	<2000	<200	<200	<200
GMW-9	10/13/11	---	61,000	---	---	7,600	18,000	6,500	760	3,400	<200	2,100	<2000	<200	<200	<200
GMW-O-1	11/21/96	---	---	---	---	---	<0.50	<0.50	<0.50	<1.5	0.53	<5	---	---	---	---
GMW-O-1	07/09/97	---	<100	<500	---	---	<0.50	<0.50	<0.50	<1	0.85	<5	---	---	---	---
GMW-O-1	01/06/98	---	<100	<500	---	---	<0.50	<0.50	<0.50	<1.5	<0.50	<5	---	---	---	---
GMW-O-1	05/20/98	---	<300	---	---	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
GMW-O-1	08/24/98	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	11/04/98	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	02/02/99	---	<500	<500	---	---	<0.50	<0.50	<0.50	<1	<1	<0.50	---	---	---	---
GMW-O-1	08/10/99	---	<500	<1000	---	---	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---
GMW-O-1	11/17/99	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	02/29/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	05/17/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	08/29/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	0.50	<0.50	---	---	---	---
GMW-O-1	11/28/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	02/05/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	05/10/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	09/19/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	11/06/01	---	<300	---	---	<100	11	<0.50	0.70	0.60	0.50	<0.50	---	---	---	---
GMW-O-1	01/30/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	04/09/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	07/30/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	10/24/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	01/28/03	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	04/08/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	07/30/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	10/08/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	01/29/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	04/20/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	07/20/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	11/04/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	02/03/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	05/04/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	1.1	<0.50	---	---	---	---
GMW-O-1	08/03/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	11/01/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	02/28/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	05/05/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	09/20/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	12/08/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	03/12/07	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	05/04/07	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	08/28/07	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	11/14/07	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	02/20/08	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	04/18/08	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	08/13/08	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	10/17/08	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	02/23/09	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	---	---	---
GMW-O-1	04/21/09	---	<50	---	---	<100	<0.50	<0.								



TABLE 6

Historical Analytical Results for TPH, BTEX, 1-2 DCA, MTBE, TBA, DIPE, ETBE, AND TAME in Groundwater - November 1996 through October 2013

Defense Fuel Support Point, Norwalk, California

Well	Date Sampled	TPH as JP-5 <sup>1</sup>	TPH as Gasoline	TPH as Diesel	TPH as JP-4 <sup>2</sup>	TPH as FP <sup>3</sup>	Benzene	Toulene	Ethylbenzene	Total Xylenes	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>
Results reported in micrograms per liter (µg/L)																
GMW-O-1	10/10/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	01/09/12	---	< 50	---	---	< 100	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-O-1	04/17/12	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-O-1	07/10/12	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-O-1	10/16/12	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-O-1	01/14/13	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-O-1	04/09/13	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-O-1	10/09/13	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-O-10	11/26/96	---	---	---	---	---	450	18	37	22	81	1,300	---	---	---	---
GMW-O-10	07/14/97	---	17,000	900	---	---	4,200	2,800	650	1,600	<30	890	---	---	---	---
GMW-O-10	01/09/98	---	25,000	12,000	---	---	3,900	2,800	510	1,470	<10	1,200	---	---	---	---
GMW-O-10	05/27/98	---	<300	---	---	---	1.0	<0.50	<0.50	0.80	<0.50	1.0	---	---	---	---
GMW-O-10	11/16/98	---	6,840	---	---	297	2,900	540	320	310	<13	2,000	---	---	---	---
GMW-O-10	05/07/99	---	<500	<500	---	---	6.2	<0.50	0.61	<0.50	<1	0.64	---	---	---	---
GMW-O-10	11/16/99	---	32,000	---	---	27,000	8,300	5,700	860	2,640	<25	2,600	---	---	---	---
GMW-O-10	05/17/00	---	18,000	---	---	32,000	4,500	3,300	450	1,420	<25	1,300	---	---	---	---
GMW-O-10	11/29/00	---	18,000	---	---	10,000	4,200	2,900	430	1,260	<25	1,400	---	---	---	---
GMW-O-10	05/10/01	---	7,900	---	---	4,600	2,400	810	150	280	<10	950	---	---	---	---
GMW-O-10	11/07/01	---	8,100	---	---	1,300	1,200	120	<10	540	<10	1,100	---	---	---	---
GMW-O-10	04/11/02	---	960	---	---	1,000	190	18	5.1	157	10	610	---	---	---	---
GMW-O-10	10/24/02	---	2,000	---	---	2,500	270	27	<5	60	<5	290	---	---	---	---
GMW-O-10	04/10/03	---	13,000	---	---	1,900	3,600	370	460	780	<50	520	---	---	---	---
GMW-O-10	08/01/03	---	5,800	---	---	1,600	2,600	220	320	460	20	580	---	---	---	---
GMW-O-10	10/08/03	---	4,900	---	---	940	1,500	240	160	275	24	460	---	---	---	---
GMW-O-10	04/21/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-10	11/04/04	---	8,900	---	---	1,200	3,900	85	400	409	<30	590	---	---	---	---
GMW-O-10	05/06/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-10	11/02/05	---	52	---	---	<100	19	0.50	<0.50	<0.50	1.0	10	---	---	---	---
GMW-O-10	05/05/06	---	12,000	---	---	850	4,100	1,800	380	640	<50	160	---	---	---	---
GMW-O-10	12/07/06	---	8,900	---	---	810	4,000	470	320	310	<50	190	---	---	---	---
GMW-O-10	05/04/07	---	3,800	---	---	260	1,600	10	<10	120	<20	160	---	---	---	---
GMW-O-10	11/14/07	---	12,000	---	---	600	5,100	54	340	325	<50	190	---	---	---	---
GMW-O-10	04/18/08	---	1,300	---	---	130	680	<5	14	11	<10	23	---	---	---	---
GMW-O-10	08/14/08	---	1,600	---	---	160	820	5.3	31	42	<10	<5	---	---	---	---
GMW-O-10	10/21/08	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.58	---	---	---	---
GMW-O-10	04/22/09	---	180	---	---	<100	37	<0.50	<0.50	<0.50	<0.50	1.2	<10	<1	<1	<1
GMW-O-10	10/22/09	---	99	---	---	<100	6.9	<0.50	<0.50	<0.50	<0.50	0.77	<10	<1	<1	<1
GMW-O-10	05/27/10	---	370	---	---	<100	77	1.2	<0.50	<0.50	<1	0.87	<10	<1	<1	<1
GMW-O-10	10/07/10	---	380	---	---	<100	42	1.2	0.51	<0.50	<0.50	0.79	<10	<1	<1	<1
GMW-O-10	04/13/11	---	270	---	---	140	39	1.0	<0.50	<0.50	<0.50	0.77	<10	<1	<1	<1
GMW-O-10	10/13/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-10	04/19/12	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-O-10 DUP	04/19/12	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-O-10	10/19/12	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-O-10 DUP	10/19/12	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-O-10	04/11/13	---	110	< 50	---	---	0.54	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-O-10 DUP	04/11/13	---	110	< 50	---	---	1.1	< 0.5	< 0.5	< 0.5	< 1	< 0.5	< 10	< 1	< 1	< 1
GMW-O-10	10/11/13	---	75	64	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-O-10 DUP	10/11/13	---	75	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-O-11	10/04/10	---	10,000	---	---	2,100	4,200	220	89	170	<30	160	560	32	<30	<30
GMW-O-12	10/05/10	---	23,000	---	---	<99000	12,000	<50	<50	<50	<100	71	<1000	<100	<100	<100
GMW-O-12	04/14/11	---	16,000	---	---	120,000	7,300	<25	<25	<25	<50	25	<500	<50	<50	<50
GMW-O-12	10/13/11	---	20,000	---	---	390,000	11,000	<100	<100	<100	<200	<100	<2000	<200	<200	<200
GMW-O-12	04/20/12	---	29,000	260,000	---	---	12,000	< 50	< 50	< 50	< 100	< 50	< 1000	< 100	< 100	< 100
GMW-O-12	10/19/12	---	12,000	120,000	---	---	4,700	< 25	< 25	< 25	< 50	< 25	< 500	< 50	< 50	< 50
GMW-O-12	04/12/13	---	34000	160000	---	---	13000	< 100	< 100	< 100	< 200	< 100	< 2000	< 200	< 200	< 200
GMW-O-12	10/11/13	---	30000	73000	---	---	13000	< 63	< 63	< 63	< 130	< 63	< 1300	< 130	< 130	< 130
GMW-O-12 DUP	04/20/12	---	29,000	210,000	---	---	12,000	< 50	< 50	< 50	< 100	< 50	< 1000	< 100	< 100	< 100
GMW-O-14	11/27/96	---	88,000	74,000	---	---	4,500	3,200	520	2,600	440	<300	---	---	---	---
GMW-O-14	07/17/97	---	160,000	610,000	---	---	7,600	4,900	2,200	43,000	<500	<5000	---	---	---	---
GMW-O-14	01/09/98	---	33,000	780,000	---	---	7,200	4,500	510	2,300	<30	<300	---	---	---	---
GMW-O-14	05/27/98	---	3,500	---	---	---	330	<2.5	80	88	<2.5	<0.50	---	---	---	---
GMW-O-14	11/17/98	---	3,850	---	---	---	5,000	3,840	1,040	4,510	<100	<100	---	---	---	---
GMW-O-14	11/17/98	---	---	---	---	117,000	---	---	---	---	---	---	---	---	---	---
GMW-O-14	05/07/99	---	23,000	54,000	---	---	5,100	3,400	650	2,800	<50	<20	---	---	---	---
GMW-O-14	11/18/99	---	26,000	---	---	23,000	5,900	4,100	780	2,500	<50	<50	---	---	---	---
GMW-O-14	05/17/00	---	10,000	---	---	9,300	2,300	630	370	820	<50	<100	---	---	---	---
GMW-O-14	11/29/00	---	42,000	---	---	59,000	8,800	5,000	1,200	4,400	<50	<50	---	---	---	---
GMW-O-14	05/10/01	---	5,200	---	---	17,000	100	34	96	237	<1	<1	---	---	---	---
GMW-O-14	11/07/01	---	15,000	---	---	20,000	3,900	890	640	1,280	<1	<2	---	---	---	---
GMW-O-14	04/09/02	---	38,000	---	---	13,000	7,400	2,700	990	3,200	<13	24	---	---	---	---
GMW-O-14	07/30/02	---	11,000	---	---	24,000	4,900	2,300	550	1,890	<13	14	---	---	---	---
GMW-O-14	10/24/02	---	26,000	---	---	29,000	7,100	3,500	970	3,500	<25	<25	---	---	---	---
GMW-O-14	01/28/03	---	39,000	---	---	47,000	12,000	8,400	1,500	5,600	<25	38	---	---	---	---
GMW-O-14	03/12/03	---	1,500	---	---	710	760	72	66	115	<2.5	14	---	---	---	---
GMW-O-14	04/09/03	---	33,000	---	---	27,000	5,100	2,900	990	3,300	<40	<20	---	---	---	---
GMW-O-14	07/30/03	---	20,000	---	---	12,000	3,100	1,900	790	3,200	74	<15	---	---	---	---
GMW-O-14	10/09/03	---	43,000	---	---	18,000	8,700	4,200	1,300	5,300	180	<50	---	---	---	---
GMW-O-14	01/29/04	---	55,000	---	---	19,000	13,000	6,900	1,400	5,600	240	<50	---	---	---	---
GMW-O-14	04/20/04	---	54,000	---	---	32,000	11,000	5,700	1,500	6,100	170	<50	---	---	---	---
GMW-O-14	07/20/04	---	72,000	---	---	18,000	13,000	8,200	1,700	7,400	200	<50	---			



TABLE 6

Historical Analytical Results for TPH, BTEX, 1-2 DCA, MTBE, TBA, DIPE, ETBE, AND TAME in Groundwater - November 1996 through October 2013

Defense Fuel Support Point, Norwalk, California

Well	Date Sampled	TPH as JP-5 <sup>1</sup>	TPH as Gasoline	TPH as Diesel	TPH as JP-4 <sup>2</sup>	TPH as FP <sup>3</sup>	Benzene	Toulene	Ethylbenzene	Total Xylenes	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>
Results reported in micrograms per liter (µg/L)																
GMW-O-16	05/17/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.80	---	---	---	---
GMW-O-16	11/30/00	---	<300	---	---	<100	0.80	<0.50	<0.50	<0.50	<0.50	0.60	---	---	---	---
GMW-O-16	05/10/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-16	04/10/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-16	10/22/02	---	<300	---	---	<100	1.6	0.98	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-16	04/09/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-16	10/07/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-16	04/22/04	---	<50	---	---	3,600	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-16	07/20/04	---	---	---	---	<100	---	---	---	---	---	---	---	---	---	---
GMW-O-16	11/02/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-16	05/05/05	---	92	---	---	<100	1.6	<0.50	<0.50	<0.50	<0.50	110	---	---	---	---
GMW-O-16	08/02/05	---	57	---	---	<100	1.3	<0.50	<0.50	<0.50	<0.50	93	---	---	---	---
GMW-O-16	11/02/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	57	---	---	---	---
GMW-O-16	02/28/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	5.3	---	---	---	---
GMW-O-16	05/04/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	6.3	---	---	---	---
GMW-O-16	09/19/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.57	---	---	---	---
GMW-O-16	12/05/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-16	05/05/07	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-16	11/14/07	---	<50	---	---	1,400	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-16	02/07/08	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.68	---	---	---	---
GMW-O-16	04/16/08	---	<50	---	---	<100	<0.50	1.2	0.59	5.5	<0.50	0.63	---	---	---	---
GMW-O-16	10/14/08	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.65	---	---	---	---
GMW-O-16	04/23/09	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.55	<10	<1	<1	<1
GMW-O-16	10/21/09	---	<50	---	---	250	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-16	03/16/10	---	<50	---	---	140	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-16	04/16/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-16	05/26/10	---	<50	---	---	120	<0.50	<0.50	<0.50	<0.50	<0.50	0.88	<10	<1	<1	<1
GMW-O-16	07/13/10	---	<50	---	---	<100	0.73	<0.50	<0.50	<0.50	<0.50	1.9	<10	<1	<1	<1
GMW-O-16	08/12/10	---	<50	---	---	<100	0.50	<0.50	<0.50	<0.50	<0.50	2.3	<10	<1	<1	<1
GMW-O-16	09/20/10	---	<50	---	---	170	0.69	<0.50	<0.50	<0.50	<0.50	3.1	<10	<1	<1	<1
GMW-O-16	10/06/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	<10	<1	<1	<1
GMW-O-16	11/16/10	---	<50	---	---	160	<0.50	<0.50	<0.50	<0.50	<0.50	4.0	<10	<1	<1	<1
GMW-O-16	12/22/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	2.0	<10	<1	<1	<1
GMW-O-16	01/11/11	---	<50	---	---	<100	0.52	<0.50	<0.50	<0.50	<0.50	0.94	<10	<1	<1	<1
GMW-O-16	02/24/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.67	<10	<1	<1	<1
GMW-O-16	03/23/11	---	<50	---	---	100	<0.50	<0.50	<0.50	<0.50	<0.50	1.6	<10	<1	<1	<1
GMW-O-16	04/12/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	<10	<1	<1	<1
GMW-O-16	05/13/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	1.8	<10	<1	<1	<1
GMW-O-16	06/22/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	1.9	<10	<1	<1	<1
GMW-O-16	07/12/11	---	<50	---	---	120	<0.50	<0.50	<0.50	<0.50	<0.50	1.8	<10	<1	<1	<1
GMW-O-16	08/19/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	1.5	<10	<1	<1	<1
GMW-O-16	09/22/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	2.9	<10	<1	<1	<1
GMW-O-16	10/11/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<10	<1	<1	<1
GMW-O-16	11/28/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	<10	<1	<1	<1
GMW-O-16	12/21/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	0.50	<0.50	1.8	<10	<1	<1	<1
GMW-O-16	01/09/12	---	< 50	---	---	< 100	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	1.4	< 10	< 1	< 1	< 1
GMW-O-16	02/23/12	---	< 50	---	---	< 100	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	2.3	< 10	< 1	< 1	< 1
GMW-O-16	03/28/12	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	2.0	< 10	< 1	< 1	< 1
GMW-O-16	04/18/12	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.79	< 10	< 1	< 1	< 1
GMW-O-16	05/25/12	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-O-16	06/15/12	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-O-16	07/10/12	---	< 50	< 50	---	---	2.5	1.1	< 0.5	0.70	< 0.5	0.57	< 10	< 1	< 1	< 1
GMW-O-16	08/29/12	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-O-16	09/26/12	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-O-16	10/17/12	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	0.89	< 0.5	0.70	< 10	< 1	< 1	< 1
GMW-O-16	01/15/13	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.95	< 10	< 1	< 1	< 1
GMW-O-16 DUP	01/15/13	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.95	< 10	< 1	< 1	< 1
GMW-O-16	04/10/13	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
GMW-O-16	10/10/13	---	170	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	24	< 1	< 1	< 1
GMW-O-17	11/22/96	---	---	---	---	---	<0.50	<0.50	<0.50	<1.5	<0.50	<5	---	---	---	---
GMW-O-17	07/10/97	---	<100	<500	---	---	<0.50	<0.50	<0.50	<1	<0.50	<5	---	---	---	---
GMW-O-17	01/07/98	---	<100	<500	---	---	<0.50	0.64	<0.50	<1.5	<0.50	<5	---	---	---	---
GMW-O-17	05/21/98	---	<300	---	---	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
GMW-O-17	11/04/98	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-17	05/05/99	---	<500	<500	---	---	0.64	<0.50	<0.50	<0.50	<1	0.58	---	---	---	---
GMW-O-17	11/16/99	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-17	05/17/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-17	11/29/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-17	05/10/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-17	11/07/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-17	04/09/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-17	10/24/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-17	10/09/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-17	05/04/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-17	05/05/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-17	05/03/07	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-17	04/18/08	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-17	04/22/09	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1			



TABLE 6

Historical Analytical Results for TPH, BTEX, 1-2 DCA, MTBE, TBA, DIPE, ETBE, AND TAME in Groundwater - November 1996 through October 2013

Defense Fuel Support Point, Norwalk, California

Well	Date Sampled	TPH as JP-5 <sup>1</sup>	TPH as Gasoline	TPH as Diesel	TPH as JP-4 <sup>2</sup>	TPH as FP <sup>3</sup>	Benzene	Toulene	Ethylbenzene	Total Xylenes	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>	
Results reported in micrograms per liter (µg/L)																	
GMW-O-17	10/16/12	< 50	< 50	< 50	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1	
GMW-O-17	04/09/13	< 50	< 50	< 50	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	26	< 1	< 1	< 1	
GMW-O-17	10/09/13	< 50	< 50	< 50	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1	
GMW-O-18	11/26/96	< 50	< 50	< 50	< 50	< 50	< 10	< 10	< 10	< 30	< 10	10,000	< 50	< 50	< 50	< 50	
GMW-O-18	07/11/97	< 100	< 500	< 500	< 500	< 500	< 3	< 3	< 3	< 3	< 3	3,000	< 50	< 50	< 50	< 50	
GMW-O-18	01/07/98	< 100	< 500	< 500	< 500	< 500	< 5	< 5	< 5	< 15	< 5	3,200	< 50	< 50	< 50	< 50	
GMW-O-18	05/21/98	2,000	< 500	< 500	< 500	< 500	< 100	< 100	< 100	< 200	< 100	5,600	< 50	< 50	< 50	< 50	
GMW-O-18	11/17/98	543	< 500	< 500	< 500	< 500	< 100	< 0.50	1.0	< 0.50	2.6	< 0.50	1,420	< 50	< 50	< 50	
GMW-O-18	05/06/99	2,700	< 500	< 500	< 500	< 500	< 5	< 5	< 5	< 5	< 13	15,000	< 50	< 50	< 50	< 50	
GMW-O-18	11/18/99	2,900	< 500	< 500	< 500	< 500	< 100	< 13	< 12.5	< 12.5	< 13	6,700	< 50	< 50	< 50	< 50	
GMW-O-18	05/19/00	3,500	< 500	< 500	< 500	< 500	< 100	< 25	< 25	< 25	< 25	10,000	< 50	< 50	< 50	< 50	
GMW-O-18	11/02/05	< 50	< 50	< 50	< 50	< 50	< 100	< 0.50	< 0.50	< 0.50	< 0.50	1.4	< 50	< 50	< 50	< 50	
GMW-O-18	05/09/06	< 50	< 50	< 50	< 50	< 50	< 100	< 0.50	< 0.50	< 0.50	< 0.50	2.1	< 50	< 50	< 50	< 50	
GMW-O-18	12/07/06	< 100	< 500	< 500	< 500	< 500	< 100	< 0.50	< 0.50	< 0.50	< 0.50	1	< 50	< 50	< 50	< 50	
GMW-O-18	05/04/07	< 50	< 50	< 50	< 50	< 50	< 100	< 0.50	< 0.50	< 0.50	< 0.50	0.62	< 50	< 50	< 50	< 50	
GMW-O-18	11/15/07	< 50	< 50	< 50	< 50	< 50	< 100	< 0.50	< 0.50	< 0.50	< 0.50	1.6	< 50	< 50	< 50	< 50	
GMW-O-18	04/15/08	< 50	< 50	< 50	< 50	< 50	< 100	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 50	< 50	< 50	< 50	
GMW-O-18	10/15/08	< 200	< 500	< 500	< 500	< 500	< 100	< 1	< 1	< 1	< 2	< 1	< 50	< 50	< 50	< 50	
GMW-O-18	04/23/09	< 50	< 50	< 50	< 50	< 50	< 100	< 0.50	< 0.50	< 0.50	< 0.50	1.0	140	< 1	< 1	< 1	
GMW-O-18	10/21/09	2,400	< 500	< 500	< 500	< 500	680	170	440	17	410	< 5	490	480	< 5	< 5	
GMW-O-18	03/16/10	< 50	< 50	< 50	< 50	< 50	< 100	0.60	1.3	< 0.50	1.8	< 0.50	4.5	550	< 1	< 1	
GMW-O-18	04/16/10	1,300	< 500	< 500	< 500	< 500	6,600	0.67	< 0.50	3.1	13	< 0.50	1.2	2,400	< 1	< 1	
GMW-O-18	05/25/10	110	< 500	< 500	< 500	< 500	540	< 0.50	< 0.50	< 0.50	< 0.50	< 1	2.9	6,500	< 1	< 1	
GMW-O-18	07/14/10	110	< 500	< 500	< 500	< 500	< 100	< 0.50	< 0.50	< 0.50	< 0.50	0.85	11,000	< 1	< 1	< 1	
GMW-O-18	08/12/10	220	< 500	< 500	< 500	< 500	< 100	0.64	< 0.50	< 0.50	< 0.50	< 1	0.93	15,000	< 1	< 1	
GMW-O-18	09/20/10	290	< 500	< 500	< 500	< 500	< 100	1.1	< 0.50	< 0.50	0.55	< 1	1.2	23,000	< 1	< 1	
GMW-O-18	10/05/10	4,000	< 500	< 500	< 500	< 500	< 1100	1,200	420	23	91	< 10	670	2,600	< 10	< 10	
GMW-O-18	11/16/10	2,000	< 500	< 500	< 500	< 500	120	< 0.50	< 0.50	< 0.50	< 0.50	< 1	0.53	21,000	< 1	< 1	
GMW-O-18	01/12/11	< 3000	< 500	< 500	< 500	< 500	130	< 1	< 1	< 1	< 2	< 1	29,000	< 2	< 2	< 2	
GMW-O-18	02/24/11	1,400	< 500	< 500	< 500	< 500	2,100	60	31	19	85	< 0.50	380	1,600	< 1	< 1	
GMW-O-18	03/23/11	110	< 500	< 500	< 500	< 500	230	6.0	1.4	1.1	6.3	< 0.50	2.9	3,300	< 1	< 1	
GMW-O-18	04/29/11	< 50	< 50	< 50	< 50	< 50	120	3.7	< 0.50	< 0.50	1.7	< 0.50	7.5	780	< 1	< 1	
GMW-O-18	05/13/11	< 100	< 500	< 500	< 500	< 500	230	< 0.50	< 0.50	< 0.50	< 0.50	< 1	< 0.50	< 10	< 1	< 1	
GMW-O-18	06/22/11	7,500	< 500	< 500	< 500	< 500	37,000	< 0.50	< 0.50	< 0.50	440	< 1	5.5	3,200	< 1	< 1	
GMW-O-18	08/19/11	2,600	< 500	< 500	< 500	< 500	12,000	17	3.9	3.2	40	< 2	85	61	< 2	< 2	
GMW-O-18	09/22/11	34,000	< 500	< 500	< 500	< 500	64,000	700	110	690	5,300	< 50	400	6,100	< 50	< 50	
GMW-O-18	10/14/11	6,000	< 500	< 500	< 500	< 500	36,000	190	13	36	100	< 20	1,600	6,600	< 20	< 20	
GMW-O-18	11/23/11	25,000	< 500	< 500	< 500	< 500	150,000	65	< 10	51	< 10	< 20	310	6,000	< 20	< 20	
GMW-O-18	12/21/11	190	< 500	< 500	< 500	< 500	26,000	< 0.50	< 0.50	< 0.50	0.53	< 0.50	70	1,600	< 1	< 1	
GMW-O-18	01/10/12	570	< 500	< 500	< 500	< 500	1,400	100	< 0.5	5.3	3.9	< 1	110	4,800	< 1	< 1	
GMW-O-18 DUP	01/10/12	530	< 500	< 500	< 500	< 500	1,800	100	< 0.5	5.6	5.4	< 1	110	4,900	< 1	< 1	
GMW-O-18	02/23/12	180	< 500	< 500	< 500	< 500	140	8.8	6.8	0.84	7.8	< 0.5	5.9	9,200	< 1	< 1	
GMW-O-18	03/28/12	140	< 50	< 50	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 0.5	10,000	< 1	< 1		
GMW-O-18	05/25/12	< 100	< 50	< 50	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 0.5	7,700	< 1	< 1		
GMW-O-18	06/15/12	180	50	< 50	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 1	0.60	17,000	< 1	< 1		
GMW-O-18	07/11/12	180	< 50	< 50	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	14,000	< 1	< 1		
GMW-O-18	08/30/12	71	< 50	< 50	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	14,000	< 1	< 1		
GMW-O-18	09/26/12	55	< 100	< 100	< 100	< 100	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	8,900	< 1	< 1		
GMW-O-18	10/30/12	110	< 50	< 50	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 0.5	11,000	< 1	< 1		
GMW-O-18	01/15/13	91	< 50	< 50	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	8000	< 1	< 1		
GMW-O-18	04/12/13	< 100	58	< 50	< 50	< 50	< 0.5	0.51	< 0.5	0.53	< 1	< 0.5	4000	< 1	< 1		
GMW-O-18	10/10/13	120	< 50	< 50	< 50	< 50	2.2	1.1	< 0.5	6	< 0.5	< 0.5	6000	< 1	< 1		
GMW-O-19	11/25/96	< 50	< 50	< 50	< 50	< 50	< 0.50	< 0.87	2.8	5.1	< 0.50	< 5	< 50	< 50	< 50	< 50	
GMW-O-19	07/16/97	< 100	< 500	< 500	< 500	< 500	< 0.50	< 0.50	< 0.50	< 1	< 0.50	< 5	< 50	< 50	< 50	< 50	
GMW-O-19	01/06/98	< 100	< 500	< 500	< 500	< 500	< 0.50	< 0.50	< 0.50	< 1.5	< 0.50	< 5	< 50	< 50	< 50	< 50	
GMW-O-19	05/20/98	< 300	< 500	< 500	< 500	< 500	< 0.50	< 0.50	< 0.50	< 1	< 0.50	2.0	< 50	< 50	< 50	< 50	
GMW-O-19	11/12/98	< 300	< 500	< 500	< 500	< 500	< 100	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 50	< 50	< 50	< 50	
GMW-O-19	05/06/99	< 500	< 500	< 500	< 500	< 500	< 0.50	< 0.50	< 0.50	< 0.50	< 1	0.51	< 50	< 50	< 50	< 50	
GMW-O-19	11/18/99	< 416	< 500	< 500	< 500	< 500	< 100	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	0.50	< 50	< 50	< 50	
GMW-O-19	05/17/00	< 300	< 500	< 500	< 500	< 500	180	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 50	< 50	< 50	
GMW-O-19	09/19/01	< 300</															



TABLE 6

Historical Analytical Results for TPH, BTEX, 1-2 DCA, MTBE, TBA, DIPE, ETBE, AND TAME in Groundwater - November 1996 through October 2013

Defense Fuel Support Point, Norwalk, California

Well	Date Sampled	TPH as JP-5 <sup>1</sup>	TPH as Gasoline	TPH as Diesel	TPH as JP-4 <sup>2</sup>	TPH as FP <sup>3</sup>	Benzene	Toulene	Ethylbenzene	Total Xylenes	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>
Results reported in micrograms per liter (µg/L)																
GMW-O-2	01/11/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	04/12/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	07/12/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	10/10/11	---	<50	---	---	140	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	01/09/12	---	<50	---	---	<100	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1	<1	<1
GMW-O-2	04/17/12	---	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1	<1	<1
GMW-O-2	07/10/12	---	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1	<1	<1
GMW-O-2	10/16/12	---	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1	<1	<1
GMW-O-2	01/14/13	---	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1	<1	<1
GMW-O-2	04/09/13	---	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1	<1	<1
GMW-O-2	10/09/13	---	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1	<1	<1
GMW-O-20	10/05/10	---	46,000	---	---	<150,000	17,000	390	680	2,700	<200	<100	<200	<200	<200	<200
GMW-O-20	04/13/11	---	42,000	---	---	680,000	12,000	170	580	400	<200	<100	<200	<200	<200	<200
GMW-O-20	10/13/11	---	34,000	---	---	2,000,000	6,300	460	240	850	<100	<50	<1000	<100	<100	<100
GMW-O-20	04/20/12	---	48,000	230,000	---	---	11,000	520	350	2,500	<100	<50	<1000	<100	<100	<100
GMW-O-20	10/19/12	---	36,000	340,000	---	---	6,100	1,000	360	2,700	<50	<25	<500	<50	<50	<50
GMW-O-21	10/07/03	---	47,000	---	---	20,000	15,000	5,200	500	3,160	<100	5,200	---	---	---	---
GMW-O-21	10/08/10	---	66,000	---	---	8,000	19,000	8,200	1,200	3,800	<200	<100	<200	<200	<200	<200
GMW-O-21	04/29/11	---	18,000	---	---	5,300	7,400	2,400	190	1,940	<50	95	<500	86	<50	<50
GMW-O-21	10/14/11	---	31,000	---	---	6,400	8,300	4,100	290	2,400	<100	51	<1000	<100	<100	<100
GMW-O-21	04/19/12	---	32,000	1,200	---	---	11,000	4,400	230	3,000	<100	<50	<1000	<100	<100	<100
GMW-O-21	10/19/12	---	1,200	880	---	---	370	71	4.8	66	<2	3.2	96	8.7	<2	<2
GMW-O-23	10/08/10	---	120,000	---	---	25,000	22,000	21,000	1,800	8,100	<200	2,600	<2000	<200	<200	<200
GMW-O-23	04/13/11	---	75,000	---	---	12,000	15,000	13,000	850	5,800	<200	1,700	<2000	<200	<200	<200
GMW-O-23	10/13/11	---	65,000	---	---	7,200	16,000	11,000	540	3,800	<200	1,500	<2000	<200	<200	<200
GMW-O-23	10/19/12	---	29,000	31,000	---	---	7,000	5,000	130	1,900	<100	400	<1000	<100	<100	<100
GMW-O-24	10/16/12	---	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	0.99	<10	<1	<1	<1
GMW-O-24	04/09/13	---	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	4.2	<10	<1	<1	<1
GMW-O-24 DUP	04/09/13	---	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	2.8	<10	<1	<1	<1
GMW-O-24	10/23/13	---	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<10	<1	<1	<1
GMW-O-24 DUP	10/23/13	---	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	1.1	<10	<1	<1	<1
GMW-O-24 DUP	10/16/12	---	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	1.1	<10	<1	<1	<1
GMW-O-3	11/27/96	---	---	---	---	---	2,900	1,000	1,200	1,950	<10	260	---	---	---	---
GMW-O-3	07/14/97	---	14,000	1,300	---	---	1,500	410	700	1,200	<10	<100	---	---	---	---
GMW-O-3	01/09/98	---	3,200	720	---	---	930	55	390	599	38	<50	---	---	---	---
GMW-O-3	05/26/98	---	5,400	---	---	---	850	20	170	140	<5	<5	---	---	---	---
GMW-O-3	08/26/98	---	3,290	---	---	1,710	329	31	140	300	<2.5	<2.5	---	---	---	---
GMW-O-3	11/17/98	---	4,800	---	---	5,810	1,500	<100	350	400	<100	<100	---	---	---	---
GMW-O-3	02/03/99	---	3,800	<500	---	---	250	<2.5	34	17	<5	<2.5	---	---	---	---
GMW-O-3	05/07/99	---	2,900	<500	---	---	170	1.2	3.4	5.3	<1	<0.50	---	---	---	---
GMW-O-3	08/10/99	---	<500	<1000	---	---	56	1.6	2.3	<1	1.2	<1	---	---	---	---
GMW-O-3	11/17/99	---	340	---	---	<100	15	0.50	1.9	1.9	<0.50	<0.50	---	---	---	---
GMW-O-3	02/29/00	---	<300	---	---	170	12	<0.50	1.2	1.1	<0.50	<0.50	---	---	---	---
GMW-O-3	05/17/00	---	1,800	---	---	1,000	290	32	33	180	<0.50	<0.50	---	---	---	---
GMW-O-3	08/29/00	---	580	---	---	3,600	130	2.5	13	23	<0.50	<0.50	---	---	---	---
GMW-O-3	11/28/00	---	1,500	---	---	820	350	13	43	93	<0.50	<0.50	---	---	---	---
GMW-O-3	02/05/01	---	1,800	---	---	770	420	26	40	55	<10	<10	---	---	---	---
GMW-O-3	05/10/01	---	2,000	---	---	560	380	4.5	32	42	<2.5	<2.5	---	---	---	---
GMW-O-3	09/19/01	---	840	---	---	360	230	<2.5	17	11	<2.5	<2.5	---	---	---	---
GMW-O-3	11/07/01	---	520	---	---	<100	120	<2.5	7.2	6.0	<2.5	<2.5	---	---	---	---
GMW-O-3	01/30/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-3	04/09/02	---	1,200	---	---	<100	260	2.6	13	9.8	<0.50	<0.50	---	---	---	---
GMW-O-3	07/30/02	---	380	---	---	250	150	1.6	5.1	4.6	<0.50	<0.50	---	---	---	---
GMW-O-3	10/24/02	---	310	---	---	120	79	0.65	1.9	1.2	<0.50	<0.50	---	---	---	---
GMW-O-3	01/15/03	---	<300	---	---	<100	---	---	---	---	---	---	---	---	---	---
GMW-O-3	01/28/03	---	550	---	---	160	140	3.0	9.1	14	<0.50	<0.50	---	---	---	---
GMW-O-3	04/08/03	---	660	---	---	200	170	1.6	9.2	<1	<2	<1	---	---	---	---
GMW-O-3	07/30/03	---	830	---	---	140	200	2.0	18	8.2	<3	<1.5	---	---	---	---
GMW-O-3	10/08/03	---	660	---	---	280	96	0.74	9.6	1.4	<1	<0.50	---	---	---	---
GMW-O-3	01/29/04	---	850	---	---	160	120	0.63	3.0	0.72	<1	<0.50	---	---	---	---
GMW-O-3	04/20/04	---	<50	---	---	130	65	<0.50	<0.50	0.56	<0.50	<0.50	---	---	---	---
GMW-O-3	07/20/04	---	370	---	---	<100	29	<0.50	1.4	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-3	11/04/04	---	850	---	---	190	71	<0.50	2.7	<0.50	<1	<0.50	---	---	---	---
GMW-O-3	02/03/05	---	210	---	---	<100	16	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-3	05/04/05	---	380	---	---	<100	32	0.67	2.1	4.6	<0.50	<0.50	---	---	---	---
GMW-O-3	08/03/05	---	1,000	---	---	490	4.4	1.1	110	<1	<2	<1	---	---	---	---
GMW-O-3	11/01/05	---	1,300	---	---	560	35	2.3	67	50	<1	<0.50	---	---	---	---
GMW-O-3	02/28/06	---	640	---	---	320	26	<0.50	7.1	6.0	<0.50	<0.50	---	---	---	---
GMW-O-3	05/04/06	---	400	---	---	250	19	<0.50	0.71	1.2	<0.50	<0.50	---	---	---	---
GMW-O-3	09/19/06	---	110	---	---	<100	0.71	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-3	12/08/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-3	03/13/07	---	51	---	---	<100	<0.50	<0.50	1.1	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-3	05/03/07	---	72	---	---	<100	<0.50	<0.50	0.64	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-3	08/28/07	---	65	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-3	11/14/07	---	170	---	---	<100	3.1	<0.50	9.7	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-3	02/07/08	---	96	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-3	04/15/08	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-3	08/14/08	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-3	10/16/08	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-3	02/23/09	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	---	---	---
GMW-O-3	04/21/09	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1











TABLE 6

## Historical Analytical Results for TPH, BTEX, 1-2 DCA, MTBE, TBA, DIPE, ETBE, AND TAME in Groundwater - November 1996 through October 2013

Defense Fuel Support Point, Norwalk, California

Well	Date Sampled	TPH as JP-5 <sup>1</sup>	TPH as Gasoline	TPH as Diesel	TPH as JP-4 <sup>2</sup>	TPH as FP <sup>3</sup>	Benzene	Toulene	Ethylbenzene	Total Xylenes	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>
Results reported in micrograms per liter (µg/L)																
GW-13(6")	04/13/10	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	7.4	12	16	1.5 J	<2	<2
GW-13(6")	10/08/10	120	<100	---	---	---	<0.50	---	---	---	5.0	11	24	---	---	---
GW-13(6")	04/22/11	---	---	---	---	---	<0.50	<0.50	<0.50	<0.50	3.7	6.8	16	0.72 J	<2	<2
GW-13(6")	04/18/12	< 100	< 100	---	---	---	< 0.50	< 0.50	< 0.50	< 1.0	6.9	3.0	< 10	1.2 J	< 2.0	< 2.0
GW-13(6")	07/09/12	< 100	---	---	---	---	< 0.50	< 0.50	< 0.50	< 1.0	0.60	0.78	< 10	< 2.0	< 2.0	< 2.0
GW-13	04/10/13	---	< 100	< 100	---	---	< 0.50	< 0.50	< 0.50	< 0.5	9.1	1.7	19	2 J	< 2.0	< 2.0
GW-13	10/09/13	---	< 100	< 100	---	---	< 0.50	< 0.50	< 0.50	< 0.5	2.4	0.92	< 10	< 2.0	< 2.0	< 2.0
GW-14(6")	05/03/07	---	---	---	---	4,000	200	5.2	220	900	---	39	---	---	---	---
GW-14(1")	11/15/07	---	---	---	---	950	35	<0.50	14	3.9	<0.50	18	20	<2	<2	<2
GW-14(1")	04/18/08	---	900	---	---	1,000	78	<0.50	<0.50	2.3	<0.50	18	13	<2	<2	<2
GW-14(6")	10/16/08	2,700	820	---	---	---	40	<0.50	2.1	1.0	<0.50	22	16	<2	<2	<2
GW-14(6")	04/24/09	1,600	690	---	---	---	66	<0.50	0.99	0.64	<0.50	13	14	<2	<2	<2
GW-14(1")	10/22/09	900	110	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<10	<2	<2	<2
GW-14(1")	01/13/10	2,100	950	---	---	---	62	0.35 J	1.0	1.4	<0.50	17	18	<2	<2	<2
GW-14(6")	04/15/11	2,600	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GW-14(6")	04/22/11	---	---	---	---	---	76	<0.50	9.4	9.0	<0.50	17	7.8 J	<2	<2	0.87 J
GW-14(6")	04/20/12	1,300	1,800	---	---	---	19	< 0.50	14	6.5	< 0.50	8.5	< 10	< 2.0	< 2.0	< 2.0
GW-14(6")	07/10/12	2,200	---	---	---	---	18	< 0.50	16	11	< 0.50	8.2	5.1 J	< 2.0	< 2.0	< 2.0
GW-14(6") DUP	07/10/12	---	---	---	---	---	18	< 0.50	16	10	< 0.50	7.8	< 10	< 2.0	< 2.0	< 2.0
GW-14	04/12/13	---	1800 J	4800	---	---	30	< 0.50	8.2	1.34 J	< 0.50	13	10	< 2.0	< 2.0	0.82 J
GW-14 DUP	04/12/13	---	---	---	---	---	30	< 0.50	8.2	1.32 J	< 0.50	15	9 J	< 2.0	< 2.0	0.76 J
GW-14	10/09/13	---	1600 J	3400 J	---	---	48	< 0.50	7.3	1.15 J	< 0.50	15	< 10	< 2.0	< 2.0	< 2.0
GW-14 DUP	10/09/13	---	1600 J	3200 J	---	---	48	< 0.50	6.9	1.01 J	< 0.50	15	< 10	< 2.0	< 2.0	< 2.0
GW-15(6")	05/03/07	---	8,500	---	---	1,600	1,100	1,000	130	570	<0.50	<0.50	<10	<2	<2	<2
GW-15	03/02/12	---	---	---	---	---	71	< 0.50	2.2	30	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
GW-16(6")	10/23/09	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-16(6")	01/13/10	460	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	6.4 J	<2	<2	<2
GW-16(6")	04/19/10	<100	---	---	---	---	<0.50	<0.50	2.6	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-16(6")	10/08/10	<100	<100	---	---	---	1.7	---	---	---	<0.50	<0.50	5.5 J	---	---	---
GW-16(6")	04/12/11	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	76	<2	<2	<2
GW-16	03/02/12	---	---	---	---	---	6.6	< 0.50	4.0	9.9	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
GW-16	10/09/13	---	< 100	1300 J	---	---	1	< 0.50	< 0.50	< 0.5	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
GW-2	01/12/10	120	<100	---	---	---	3.6	<0.50	<0.50	<0.50	23	1.8	8.8 J	2.6	<2	<2
GW-2	10/08/10	800	180	---	---	---	18	---	---	---	4.6	1.4	21	---	---	---
GW-2	04/19/12	< 100	< 100	---	---	---	< 0.50	< 0.50	< 0.50	< 1.0	4.0	0.60	< 10	< 2.0	< 2.0	< 2.0
GW-2	07/10/12	110	---	---	---	---	2.4	< 0.50	< 0.50	0.24 J	6.2	0.69	10	0.79 J	< 2.0	< 2.0
GW-2	04/11/13	---	< 100	< 100	---	---	< 0.50	< 0.50	< 0.50	< 0.5	11	1.2	< 10	0.46 J	< 2.0	< 2.0
GW-2	10/07/13	---	< 100	< 100	---	---	< 0.50	< 0.50	< 0.50	< 0.5	4.3	0.55	< 10	< 2.0	< 2.0	< 2.0
GW-3	04/11/03	---	---	---	---	134	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GW-3	10/11/03	---	---	---	---	300	<0.50	<0.50	<0.50	<0.50	<0.50	2.9	---	---	---	---
GW-3	04/22/04	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	<10	<2	<2	<2
GW-3	11/04/04	---	---	---	---	3,900	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-3	05/10/05	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-3	11/08/05	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-3	05/03/06	---	---	---	---	200	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-3	12/06/06	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-3	05/03/07	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-3	11/14/07	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-3	04/17/08	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-3	10/16/08	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-3	04/24/09	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	17	<2	<2	<2
GW-3	10/22/09	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-3	04/15/10	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	18	<2	<2	<2
GW-3	04/11/13	---	---	120	---	---	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	< 0.50	9.6 J	< 2.0	< 2.0	< 2.0
GW-3	10/07/13	---	< 100	< 100	---	---	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
GW-6	11/06/98	---	339	---	---	<100	9.3	1.1	8.4	6.6	<0.50	<0.50	---	---	---	---
GW-6	05/27/99	---	<300	---	---	<100	62	<0.50	12	<0.50	<0.50	<0.50	---	---	---	---
GW-6	11/18/99	---	690	---	---	930	90	<1	80	<0.50	<0.50	<0.50	---	---	---	---
GW-6	05/17/00	---	<300	---	---	160	1.7	<0.50	2.5	<0.50	<0.50	19	---	---	---	---
GW-6	12/01/00	---	<300	---	---	180	3.7	<0.50	1.6	<0.50	<0.50	21	---	---	---	---
GW-6	05/10/01	---	<300	---	---	140	0.70	<0.50	<0.50	<0.50	<0.50	23	---	---	---	---
GW-6	11/08/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	21	---	---	---	---
GW-6	10/24/02	---	<300	---	---	<100	<0.50	<1	<1	<1	<0.50	9.6	---	---	---	---
GW-6	04/11/03	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GW-6	10/10/03	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.71	---	---	---	---
GW-6	04/22/04	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-6	11/04/04	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-6	05/10/05	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-6	11/08/05	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-6	05/05/06	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-6	05/02/07	---	---	---	---											



TABLE 6

Historical Analytical Results for TPH, BTEX, 1-2 DCA, MTBE, TBA, DIPE, ETBE, AND TAME in Groundwater - November 1996 through October 2013

Defense Fuel Support Point, Norwalk, California

Well	Date Sampled	TPH as JP-5 <sup>1</sup>	TPH as Gasoline	TPH as Diesel	TPH as JP-4 <sup>2</sup>	TPH as FP <sup>3</sup>	Benzene	Toulene	Ethylbenzene	Total Xylenes	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>	
Results reported in micrograms per liter (µg/L)																	
GW-6	10/08/13	---	< 100	180 J	---	---	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	1.1	12	< 2.0	< 2.0	< 2.0	
GW-7	04/12/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	1.8	---	---	---	---	
GW-8	10/09/13	---	< 100	190 J	---	---	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0	
GWR-1	11/26/96	---	---	---	---	---	1,500	21	150	102	<5	2,700	---	---	---	---	
GWR-1	07/16/97	---	1,300	920	---	---	220	<5	360	29	<5	1,800	---	---	---	---	
GWR-1	01/09/98	---	210	<500	---	---	2.9	<0.50	40	240	<0.50	330	---	---	---	---	
GWR-1	05/27/98	---	4,100	---	---	---	960	90	90	240	<0.50	630	---	---	---	---	
GWR-1	11/17/98	---	3,830	---	---	---	3,320	1,200	74	99	<25	1,070	---	---	---	---	
GWR-1	05/07/99	---	4,200	530	---	---	1,600	22	96	290	<13	910	---	---	---	---	
GWR-1	11/18/99	---	1,300	---	---	---	800	220	<10	14	<10	690	---	---	---	---	
GWR-1	05/16/00	---	880	---	---	---	1,400	160	<10	16	6.1	550	---	---	---	---	
GWR-1	11/30/00	---	3,200	---	---	---	5,300	1,600	8.6	87	33	<0.50	360	---	---	---	
GWR-1	05/08/01	---	4,400	---	---	---	6,900	1,800	170	160	235	<10	370	---	---	---	
GWR-1	11/06/01	---	2,300	---	---	---	710	240	13	31	56	<0.50	2,400	---	---	---	
GWR-1	04/09/02	---	2,500	---	---	---	1,000	580	<10	18	57	<10	4,000	---	---	---	
GWR-1	10/23/02	---	1,900	---	---	---	1,900	270	<10	<10	<10	2,500	---	---	---	---	
GWR-1	10/07/03	---	1,400	---	---	---	500	150	1.7	7.5	20	110	1,300	---	---	---	
GWR-1	05/06/05	---	16,000	---	---	---	39,000	260	610	460	2,060	<5	11	---	---	---	
GWR-1	08/01/05	---	8,300	---	---	---	3,800	1,700	490	370	1,110	<20	25	---	---	---	
GWR-1	05/04/06	---	3,700	---	---	---	1,900	980	23	120	343	<10	19	---	---	---	
GWR-1	09/18/06	---	960	---	---	---	880	220	4.4	19	64	<2	5.4	---	---	---	
GWR-1	05/02/07	---	750	---	---	---	720	170	1.3	12	<1	<2	4.1	---	---	---	
GWR-1	04/17/08	---	3,600	---	---	---	1,500	1,700	17	87	60	<30	21	---	---	---	
GWR-1	04/20/09	---	5,100	---	---	---	1,700	3,000	<15	48	<15	<30	31	<300	30	<30	
GWR-1	05/27/10	---	2,100	---	---	---	1,100	800	9.5	16	34	<10	23	<100	27	<10	
GWR-1	04/13/11	---	1,300	---	---	---	2,300	490	43	31	54	<5	4.1	160	5.2	<5	
GWR-1	04/20/12	---	450	230	---	---	84	<1	4.8	<1	<2	3.4	<20	4.9	<2	<2	
GWR-1	10/18/12	---	440	240	---	---	140	2.2	<1.5	1.5	<3	8.6	68	15	<3	<3	
GWR-1	04/11/13	---	< 500	330	---	---	< 2.5	< 2.5	< 2.5	< 2.5	< 5	9.1	68	13	< 5	< 5	
GWR-1	10/11/13	---	< 200	220	---	---	< 1	< 1	< 1	< 1	< 2	6.7	120	12	< 2	< 2	
GWR-3	10/08/10	---	21,000	---	---	---	<29000	10,000	<100	<100	<100	<200	400	<2000	<200	<200	
GWR-3	04/13/11	---	25,000	---	---	---	36,000	11,000	<50	<50	<50	<100	300	<1000	<100	<100	
GWR-3	10/13/11	---	<20000	---	---	---	6,600	9,100	<100	<100	<100	<200	280	<2000	<200	<200	
HL-2	11/27/96	---	---	---	---	---	2,600	100	560	390	170	3,000	---	---	---	---	
HL-2	07/16/97	---	1,400	530	---	---	200	1.2	150	13	74	810	---	---	---	---	
HL-2	01/09/98	---	150	---	---	---	<0.50	0.79	3.5	<1.5	40	570	---	---	---	---	
HL-2	01/12/98	---	---	<500	---	---	---	---	---	---	---	---	---	---	---	---	
HL-2	05/27/98	---	500	---	---	---	72	9.0	6.0	42	60	308	---	---	---	---	
HL-2	11/17/98	---	<300	---	---	---	0.95	<0.50	<0.50	0.60	0.94	14	---	---	---	---	
HL-2	05/07/99	---	<500	<500	---	---	1.8	5.1	<0.50	1.8	<1	4.8	---	---	---	---	
HL-2	11/19/99	---	<300	---	---	---	2.0	<0.50	<0.50	<0.50	2.6	36	---	---	---	---	
HL-2	05/16/00	---	<300	---	---	---	<100	<0.50	<0.50	<0.50	1.4	14	---	---	---	---	
HL-2	11/29/00	---	<300	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	3.2	---	---	---	---	
HL-2	05/08/01	---	<300	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	7.3	---	---	---	---	
HL-2	11/06/01	---	<300	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	0.80	---	---	---	---	
HL-2	04/09/02	---	<300	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	
HL-2	04/08/03	---	<50	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	0.85	---	---	---	---	
HL-2	07/08/03	---	---	---	---	---	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---	
HL-2	10/07/03	---	<50	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	0.96	---	---	---	---	
HL-2	04/21/04	---	<50	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	7.9	---	---	---	---	
HL-2	07/08/04	---	<50	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	0.67	---	---	---	---	
HL-2	05/06/05	---	280	---	---	---	<100	78	<0.50	<0.50	1.2	15	130	---	---	---	
HL-2	11/03/05	---	<50	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<1	1.8	---	---	---	
HL-2	05/09/06	---	<50	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	1.7	---	---	---	---	
HL-2	12/06/06	---	<50	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	
HL-2	05/02/07	---	<50	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
HL-2	11/13/07	---	<50	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
HL-2	04/17/08	---	<50	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	0.56	---	---	---	---	
HL-2	10/17/08	---	<50	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
HL-2	04/20/09	---	<50	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	
HL-2	10/21/09	---	<50	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	
HL-2	05/26/10	---	<50	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	
HL-2	10/06/10	---	<50	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	
HL-2	04/12/11	---	<50	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.57	<10	<1	<1	
HL-2	10/11/11	---	<50	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	
HL-2	04/17/12	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1	
HL-2	10/16/12	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1	
HL-2	04/10/13	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1	
HL-2	10/09/13	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1	
HL-3	05/10/01	---	<300	---	---	---	300	<0.50	<0.50	<0.50	<0.50	1.4	110	---	---	---	
HL-3	11/06/01	---	<300	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	1.6	93	---	---	---	
HL-3	04/10/02	---	<300	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	1.1	77	---	---	---	
HL-3	10/23/02	---	<300	---	---	---	360	<0.50	<0.50	<0.50	<0.50	<0.50	85	---	---	---	
HL-3	10/07/03	---	80	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	67	---	---	---	---	
HL-3	05/06/05	---	<50	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
HL-3	05/03/06	---	<50	---	---	---	<100	<0.50	<0.50	<0.5							

TABLE 6

## Historical Analytical Results for TPH, BTEX, 1-2 DCA, MTBE, TBA, DIPE, ETBE, AND TAME in Groundwater - November 1996 through October 2013

Defense Fuel Support Point, Norwalk, California

Well	Date Sampled	TPH as JP-5 <sup>1</sup>	TPH as Gasoline	TPH as Diesel	TPH as JP-4 <sup>2</sup>	TPH as FP <sup>3</sup>	Benzene	Toulene	Ethylbenzene	Total Xylenes	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>	
Results reported in micrograms per liter (µg/L)																	
HL-3	04/18/12	< 50	< 50	< 50	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1	
HL-3	04/10/13	< 50	< 50	< 50	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1	
HL-3	10/10/13	< 50	< 50	< 50	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1	
HL-4	11/25/96	< 50	< 50	< 50	< 50	< 50	< 10	3.2	350	8.5	< 3	1,200	< 5	< 5	< 5	< 5	
HL-4	07/16/97	< 50	< 500	< 500	< 500	< 500	76	< 1	< 1	17	33	1,500	< 5	< 5	< 5	< 5	
HL-4	01/08/98	< 50	590	660	< 500	< 500	170	13	7.1	5.0	90	2,300	< 5	< 5	< 5	< 5	
HL-4	05/27/98	< 50	1,100	< 500	< 500	< 500	156	26	15	120	28	440	< 5	< 5	< 5	< 5	
HL-4	11/17/98	< 50	2,030	< 500	< 500	< 500	1,380	76	20	108	< 0.50	904	< 5	< 5	< 5	< 5	
HL-4	05/07/99	< 50	2,800	< 500	< 500	< 500	1,100	31	130	84	< 6	1,500	< 5	< 5	< 5	< 5	
HL-4	11/18/99	< 50	2,500	< 500	< 500	< 500	1,100	720	< 10	< 10	118	< 10	< 5	< 5	< 5	< 5	
HL-4	05/16/00	< 50	1,200	< 500	< 500	< 500	1,000	300	< 10	< 10	29	51	< 5	< 5	< 5	< 5	
HL-4	11/29/00	< 50	1,900	< 500	< 500	< 500	1,200	26	< 10	< 10	< 10	89	< 5	< 5	< 5	< 5	
HL-4	05/08/01	< 50	1,700	< 500	< 500	< 500	1,100	39	< 0.50	0.50	1.7	27	< 5	< 5	< 5	< 5	
HL-4	11/06/01	< 50	950	< 500	< 500	< 500	140	97	< 0.50	< 0.50	0.90	< 0.50	< 5	< 5	< 5	< 5	
HL-4	04/09/02	< 50	1,600	< 500	< 500	< 500	230	940	< 5	< 5	35	< 5	< 5	< 5	< 5	< 5	
HL-4	10/23/02	< 50	< 300	< 500	< 500	< 500	320	8.5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	
HL-4	04/08/03	< 50	1,500	< 500	< 500	< 500	< 100	2.8	< 2.5	< 2.5	< 2.5	36	< 5	< 5	< 5	< 5	
HL-4	10/07/03	< 50	690	< 500	< 500	< 500	110	140	< 1	< 1	< 2	480	< 5	< 5	< 5	< 5	
HL-4	04/21/04	< 50	340	< 500	< 500	< 500	< 100	39	< 0.50	< 0.50	< 0.50	< 1	< 5	< 5	< 5	< 5	
HL-4	11/03/04	< 50	200	< 500	< 500	< 500	120	54	< 0.50	< 0.50	< 0.50	< 0.50	< 5	< 5	< 5	< 5	
HL-5	07/14/97	< 50	950	3,200	< 500	< 500	< 50	< 50	< 50	5.1	2.3	< 0.50	< 5	< 5	< 5	< 5	
HP-1	08/07/97	< 50	< 50	< 50	< 50	< 50	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	
HP-2	08/07/97	< 50	< 50	< 50	< 50	< 50	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	
HP-3	08/07/97	< 50	< 50	< 50	< 50	< 50	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	
HP-6	08/08/97	< 50	< 50	< 50	< 50	< 50	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	
HP-8	08/08/97	< 50	< 50	< 50	< 50	< 50	35,000	11,000	12,000	1,200	7,300	< 500	< 500	< 5	< 5	< 5	
MW-10	11/21/96	< 300	< 500	< 500	< 500	< 500	< 0.50	< 0.50	5.1	2.3	< 0.50	< 5	< 5	< 5	< 5	< 5	
MW-10	07/09/97	< 300	< 50	< 50	< 50	< 50	< 0.50	< 1	2.0	< 2	< 2	< 5	< 5	< 5	< 5	< 5	
MW-10	01/06/98	< 300	< 100	< 100	< 100	< 100	< 0.30	< 0.30	< 0.30	< 0.60	< 0.60	< 5	< 5	< 5	< 5	< 5	
MW-10	05/20/98	< 300	< 100	< 100	< 100	< 100	< 0.30	< 0.30	< 0.30	< 0.60	< 0.60	< 5	< 5	< 5	< 5	< 5	
MW-10	11/04/98	< 300	< 100	< 100	< 100	< 100	< 0.30	< 0.30	< 0.30	< 0.60	< 0.60	< 5	< 5	< 5	< 5	< 5	
MW-10	05/27/99	< 300	< 100	< 100	< 100	< 100	< 0.30	< 0.30	< 0.30	< 0.60	< 0.60	< 5	< 5	< 5	< 5	< 5	
MW-10	11/18/99	< 300	< 100	< 100	< 100	< 100	< 0.30	< 0.30	< 0.30	< 0.60	< 0.60	< 5	< 5	< 5	< 5	< 5	
MW-10	05/16/00	< 300	< 100	< 100	< 100	< 100	120	< 0.30	< 0.30	< 0.30	< 0.60	< 5	< 5	< 5	< 5	< 5	
MW-10	11/29/00	< 300	< 100	< 100	< 100	< 100	< 0.30	< 0.30	< 0.30	2.4	< 5	< 5	< 5	< 5	< 5	< 5	
MW-10	05/09/01	< 300	< 100	< 100	< 100	< 100	< 0.30	< 0.30	< 0.30	< 0.60	< 0.60	< 5	< 5	< 5	< 5	< 5	
MW-10	11/07/01	< 300	< 100	< 100	< 100	< 100	< 0.30	< 0.30	< 0.30	< 0.60	< 0.60	< 5	< 5	< 5	< 5	< 5	
MW-10	04/10/02	< 300	< 100	< 100	< 100	< 100	< 0.30	< 0.30	< 0.30	< 0.60	< 0.60	< 5	< 5	< 5	< 5	< 5	
MW-11	12/01/00	< 300	< 100	< 100	< 100	< 100	290	< 0.30	< 0.30	< 0.30	< 0.60	< 5	< 5	< 5	< 5	< 5	
MW-11	05/10/01	< 300	< 100	< 100	< 100	< 100	180	1.0	< 0.30	0.61	< 0.60	< 5	< 5	< 5	< 5	< 5	
MW-11	11/07/01	< 300	< 100	< 100	< 100	< 100	< 0.30	< 0.30	< 0.30	< 0.60	< 0.60	< 5	< 5	< 5	< 5	< 5	
MW-11	04/10/02	< 300	< 100	< 100	< 100	< 100	< 0.30	< 0.30	< 0.30	< 0.60	< 0.60	< 5	< 5	< 5	< 5	< 5	
MW-11	04/14/03	< 300	< 100	< 100	< 100	< 100	6,120	84	1.5	59	51	< 3	< 5	< 5	< 5	< 5	
MW-11	10/10/03	< 300	< 100	< 100	< 100	< 100	1,000	< 0.30	< 0.30	0.42	0.95	< 5	< 5	< 5	< 5	< 5	
MW-11	04/22/04	< 300	< 100	< 100	< 100	< 100	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 5	< 5	< 5	< 5	< 5	
MW-11	11/06/04	< 300	< 100	< 100	< 100	< 100	1,300	2.3	< 0.30	0.64	5.9	< 5	< 5	< 5	< 5	< 5	
MW-11	05/07/05	< 300	< 100	< 100	< 100	< 100	< 0.30	0.34	0.61	< 0.30	0.60	< 5	< 5	< 5	< 5	< 5	
MW-11	11/08/05	< 300	< 100	< 100	< 100	< 100	< 0.30	0.33	< 0.30	< 0.30	0.69	< 5	< 5	< 5	< 5	< 5	
MW-11	05/05/06	< 300	< 100	< 100	< 100	< 100	2,300	1.6	3.4	3.4	6.9	< 5	< 5	< 5	< 5	< 5	
MW-11	12/08/06	< 300	< 100	< 100	< 100	< 100	740	3.1	< 0.50	< 0.50	< 1	< 5	< 5	< 5	< 5	< 5	
MW-11	05/03/07	< 300	< 100	< 100	< 100	< 100	1,300	4.3	< 0.50	0.86	1.1	< 5	< 5	< 5	< 5	< 5	
MW-11	11/14/07	< 300	< 100	< 100	< 100	< 100	450	< 0.50	< 0.50	< 0.50	< 1	< 5	< 5	< 5	< 5	< 5	
MW-11	04/18/08	< 300	< 100	< 100	< 100	< 100	1,100	< 0.50	< 0.50	1.0	1.5	< 5	< 5	< 5	< 5	< 5	
MW-11	10/17/08	880	< 50	< 50	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	12	< 10	< 2	< 2	< 2	
MW-11	04/24/09	520	< 50	< 50	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	8.7	< 10	< 2	< 2	< 2	
MW-11	10/22/09	670	< 50	< 50	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	3.9	< 10	< 2	< 2	< 2	
MW-11	04/14/10	700	< 50	< 50	< 50	< 50	< 0.50	< 0.50	0.58	< 0.50	< 0.50	3.8	< 10	< 2	< 2	< 2	
MW-11	04/19/12	710	220	< 50	< 50	< 50	< 0.50	< 0.50	< 0.50	0.31 J	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0	
MW-11	07/10/12	780	< 50	< 50	< 50	< 50	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0	
MW-12	05/22/98	< 300	< 300	< 300	< 300	< 300	< 0.50	< 0.50	< 0.50	< 1	< 0.10	< 0.50	< 5	< 5	< 5	< 5	
MW-12	11/11/98	< 300	< 300	< 300	< 300	< 300	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5	< 5	< 5	< 5	
MW-12	05/07/99	< 30															

TABLE 6

Historical Analytical Results for TPH, BTEX, 1-2 DCA, MTBE, TBA, DIPE, ETBE, AND TAME in Groundwater - November 1996 through October 2013

Defense Fuel Support Point, Norwalk, California

Well	Date Sampled	TPH as JP-5 <sup>1</sup>	TPH as Gasoline	TPH as Diesel	TPH as JP-4 <sup>2</sup>	TPH as FP <sup>3</sup>	Benzene	Toulene	Ethylbenzene	Total Xylenes	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>
Results reported in micrograms per liter (µg/L)																
MW-12	04/22/09	---	<50	---	---	100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	10/21/09	---	<50	---	---	150	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	05/26/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	10/06/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	04/12/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	10/11/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	04/18/12	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
MW-12	10/18/12	---	< 50	< 100	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
MW-12	04/10/13	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
MW-12	10/09/13	---	< 50	< 100	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
MW-13	11/22/96	---	1,100	<500	<500	---	<0.50	<0.50	<0.50	<1.5	<0.50	---	---	---	---	---
MW-13	07/09/97	---	<50	<50	<50	---	<0.50	<1	<1	<2	---	---	---	---	---	---
MW-13	01/06/98	---	<500	<100	<100	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
MW-13	05/20/98	---	<300	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
MW-13	11/05/98	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
MW-13	05/26/99	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
MW-13	11/18/99	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
MW-13	05/17/00	---	<300	---	---	20,000	<0.30	1.2	<0.30	0.91	---	---	---	---	---	---
MW-13	11/29/00	---	<300	---	---	410	<0.30	<0.30	<0.30	0.89	---	<5	---	---	---	---
MW-13	03/30/01	---	---	---	---	<50	---	---	---	---	---	---	---	---	---	---
MW-13	05/09/01	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
MW-13	11/07/01	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	14	---	---	---	---
MW-13	04/10/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
MW-13	10/23/02	---	<300	---	---	<100	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---
MW-13	04/09/03	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-13	10/08/03	---	---	---	---	110	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-13	04/21/04	---	---	---	---	160	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	11/03/04	---	---	---	---	320	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	05/05/05	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	11/05/05	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	05/03/06	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	12/05/06	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	05/02/07	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	11/13/07	---	<100	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	04/16/08	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	10/15/08	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	04/20/09	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	10/22/09	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	04/19/10	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	10/06/10	<100	---	---	---	---	<0.50	---	---	---	<0.50	<0.50	<10	---	---	---
MW-13	04/12/11	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	10/12/11	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	04/17/12	< 100	---	---	---	---	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
MW-13	10/16/12	< 100	---	---	---	---	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
MW-13	04/09/13	---	---	140 J	---	---	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
MW-13	10/08/13	---	< 100	330 J	---	---	< 0.50	< 0.50	< 0.50	< 0.5	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
MW-14	11/21/96	---	<50	<500	<500	---	<0.50	<0.50	<0.50	<1.5	<0.50	99	---	---	---	---
MW-14	07/09/97	---	<50	200	<50	---	<5	<5	<5	<5	<5	<5	---	---	---	---
MW-14	01/06/98	---	<500	<100	800	---	107	<0.50	4.0	10	2.0	15	---	---	---	---
MW-14	05/20/98	---	400	---	---	---	24	<0.50	7.0	14	<0.50	12	---	---	---	---
MW-14	08/26/98	---	<300	---	---	367	<0.50	<0.50	0.70	2.1	<0.50	109	---	---	---	---
MW-14	11/04/98	---	<300	---	---	361	<0.50	2.8	4.8	25	<0.50	49	---	---	---	---
MW-14	02/03/99	---	<500	<500	---	---	<0.50	<0.50	<0.50	<1	<1	86	---	---	---	---
MW-14	05/07/99	---	<500	<500	---	---	<0.50	<0.50	<0.50	0.53	<1	450	---	---	---	---
MW-14	05/26/99	---	<300	---	---	<100	<0.50	<0.50	0.70	1.1	<0.50	230	---	---	---	---
MW-14	08/10/99	---	<500	<1000	---	---	<0.50	<1	<1	<1	2.9	110	---	---	---	---
MW-14	11/18/99	---	<300	---	---	<100	<2.5	<5	<5	<5	12	26	---	---	---	---
MW-14	02/29/00	---	<300	---	---	420	<0.50	<0.50	<0.50	<0.50	<0.50	36	15	---	---	---
MW-14	05/16/00	---	<300	---	---	370	<0.50	<0.50	<0.50	1.4	42	7.7	---	---	---	---
MW-14	08/29/00	---	<300	---	---	3,800	<0.50	<0.50	<0.50	0.60	38	9.6	---	---	---	---
MW-14	11/29/00	---	<300	---	---	130	<0.50	<0.50	0.50	0.90	15	18	---	---	---	---
MW-14	02/06/01	---	<300	---	---	230	<0.50	<0.50	<0.50	0.50	11	13	---	---	---	---
MW-14	05/09/01	---	<300	---	---	310	<0.50	<0.50	1.8	7.4	32	8.2	---	---	---	---
MW-14	09/19/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	1.1	23	15	---	---	---	---
MW-14	11/07/01	---	<300	---	---	190	<0.50	<0.50	0.80	2.3	29	10	---	---	---	---
MW-14	01/30/02	---	<300	---	---	450	<0.50	<0.50	<0.50	1.5	8.1	25	---	---	---	---
MW-14	04/10/02	---	<300	---	---	<100	<0.50	<0.50	2.7	6.4	4.1	24	---	---	---	---
MW-14	07/30/02	---	<300	---	---	500	<0.50	<0.50	0.98	2.4	3.9	25	---	---	---	---
MW-14	10/23/02	---	<300	---	---	300	<0.50	<1	<1	<1	4.3	22	---	---	---	---
MW-14	01/28/03	---	<300	---	---	<100	<0.50	<0.50	<0.50	0.67	5.9	17	---	---	---	---
MW-14	04/11/03	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	1.8	17	---	---	---	---
MW-14	10/10/03	---	---	---	---	580	<0.50	<0.50	1.2	4.0	7.4	19	---	---	---	---
MW-14	04/22/04	---	---	---	---	<100	<0.50	<0.50	<0.50	0.89	4.7	19	<10	<2	<2	<2
MW-14	07/21/04	---	250	---	---	290	<0.50	<0.50	0.61	1.4	---	22	---	---	---	---
MW-14	11/04/04	---	---	---	---	610	<0.50	<0.50	<0.50	<0.50	5.6	19	<10	<2	<2	<2
MW-14	03/02/05	---	---	---	---	320	<0.50	<1	<1	<1	---	14	---	---	---	---
MW-14	05/07/05	---	---	---	---	430	1.3	<0.50	<0.50	<0.50	<0.50	9.3	22	<2	<2	<2
MW-14	11/08/05	---	---	---	---	2,200	6.5	<0.50	1.3	3.6	1.0	3.6	32	<2	<2	<2
MW-14	05/03/06	---	---	---	---	2,600	<0.50	<0.50	<0.50	<0.50	0.78	4.2	31	<2	<2	<2
MW-14	07/28/06	---	290	---	---	4,300	<0.50	<0.50	<0.50	<0.50	0.83	4.2	31	<2	<2	<2
MW-14	12/06/06	---	---	---	---	1,900	<0.50	<0.50	<0.50	<0.50	0.98	3.3	20	<2	<2	<2

TABLE 6

Historical Analytical Results for TPH, BTEX, 1-2 DCA, MTBE, TBA, DIPE, ETBE, AND TAME in Groundwater - November 1996 through October 2013

Defense Fuel Support Point, Norwalk, California

Well	Date Sampled	TPH as JP-5 <sup>1</sup>	TPH as Gasoline	TPH as Diesel	TPH as JP-4 <sup>2</sup>	TPH as FP <sup>3</sup>	Benzene	Toulene	Ethylbenzene	Total Xylenes	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>
Results reported in micrograms per liter (µg/L)																
MW-14	03/23/07	---	670	---	---	3,400	<0.50	<0.50	<0.50	<0.50	0.94	3.5	29	<2	<2	<2
MW-14	05/03/07	---	---	---	---	3,100	<0.50	<0.50	<0.50	<0.50	0.94	3.6	<10	<2	<2	<2
MW-14	08/31/07	---	480	---	---	2,800	<0.50	<0.50	<0.50	<0.50	<0.50	3.6	27	<2	<2	<2
MW-14	11/15/07	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	0.97	4.0	20	<2	<2	<2
MW-14	02/07/08	---	180	---	---	1,400	<0.50	<0.50	<0.50	<0.50	0.86	5.2	28	<2	<2	<2
MW-14	04/17/08	---	---	---	---	1,700	<0.50	<0.50	<0.50	<0.50	1.2	4.6	32	<2	<2	<2
MW-14	10/16/08	570	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	2.3	10	<2	<2	<2
MW-14	02/12/09	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	1.1	1.6	<10	<2	<2	<2
MW-14	04/22/09	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	16	1.9	<10	<2	<2	<2
MW-14	07/20/09	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	13	1.5	<10	2.4	<2	<2
MW-14	10/22/09	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	16	2.5	<10	3.0	<2	<2
MW-14	01/12/10	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	13	2.7	4.2 J	3.2	<2	<2
MW-14	04/13/10	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	0.4 J	4.3	<10	<2	<2	<2
MW-14	10/04/10	100	---	---	---	---	<0.50	---	---	---	0.99	3.4	<10	---	---	---
MW-14	01/10/11	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.66	<10	<2	<2	<2
MW-14	04/13/11	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	3.0	<10	<2	<2	<2
MW-14	07/11/11	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.48 J	11	<2	<2	<2
MW-14	10/12/11	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	2.1	2.7	<10	0.83 J	<2	<2
MW-14	01/09/12	< 100	---	---	---	---	< 0.50	< 0.50	< 0.50	< 1.0	3.3	3.6	< 10	0.83 J	< 2.0	< 2.0
MW-14	04/18/12	< 100	---	---	---	---	< 0.50	< 0.50	< 0.50	< 1.0	6.6	0.78	< 10	1.2 J	< 2.0	< 2.0
MW-14	07/09/12	< 100	---	---	---	---	< 0.50	< 0.50	< 0.50	< 1.0	4.0	0.72	< 10	1.1 J	< 2.0	< 2.0
MW-14	10/18/12	< 100	---	---	---	---	< 0.50	< 0.50	< 0.50	< 1.0	7.0	1.9	< 10	1.3 J	< 2.0	< 2.0
MW-14	01/14/13	---	< 100	---	---	---	< 0.50	< 0.50	< 0.50	< 0.5	10	0.93	< 10	1.7 J	< 2.0	< 2.0
MW-14	04/10/13	---	---	120 J	---	---	< 0.50	< 0.50	< 0.50	< 0.5	12	1.4	< 10	2.4	< 2.0	< 2.0
MW-15	11/26/96	---	---	---	---	---	1.4	0.66	1.0	0.62	<0.50	27	---	---	---	---
MW-15	07/14/97	---	1,000	3,500	---	---	1.5	1.1	<0.50	<1	<0.50	<5	---	---	---	---
MW-15	01/07/98	---	<500	1,500	---	---	0.62	0.73	<0.50	<1.5	<0.50	<5	---	---	---	---
MW-15	05/22/98	---	<300	---	---	---	<0.50	<0.50	<0.50	<0.50	<1	<0.50	---	---	---	---
MW-15	11/13/98	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-15	05/07/99	---	<500	<500	---	---	<0.50	<0.50	<0.50	<0.50	<1	<0.50	---	---	---	---
MW-15	11/17/99	---	<300	---	---	910	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-15	05/16/00	---	340	---	---	1,200	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-15	11/30/00	---	2,100	---	---	1,700	<0.50	0.80	<0.50	1.1	<0.50	<0.50	---	---	---	---
MW-15	05/09/01	---	<300	---	---	690	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-15	11/06/01	---	<300	---	---	740	<0.50	<0.50	<0.50	<0.50	<0.50	0.60	---	---	---	---
MW-15	04/10/02	---	59,000	---	---	21,000	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-15	07/30/02	---	780	---	---	550,000	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-15	12/08/06	---	420	---	---	6,400	<0.50	<0.50	<0.50	1.0	<0.50	0.60	---	---	---	---
MW-15	05/04/07	---	<500	---	---	6,100	<2.5	<2.5	<2.5	<2.5	<5	<2.5	---	---	---	---
MW-15	10/05/10	---	1,100	---	---	<47000	<1	<1	<1	<1	<2	<1	<20	<2	<2	<2
MW-15	04/14/11	---	1,900	---	---	220,000	<1	<1	<1	<1	<2	<1	<20	<2	<2	<2
MW-15	10/12/11	---	590	---	---	66,000	<1	<1	<1	<1	<2	<1	<20	<2	<2	<2
MW-15	04/27/12	---	1,100	40,000	---	---	< 1	< 1	< 1	< 1	< 2	< 1	< 20	< 2	< 2	< 2
MW-15	10/19/12	---	940	34,000	---	---	< 1	< 1	< 1	< 1	< 2	< 1	< 20	< 2	< 2	< 2
MW-15	04/12/13	---	890	240000	---	---	< 1	< 1	< 1	< 1	< 2	< 1	< 20	< 2	< 2	< 2
MW-15	10/11/13	---	2000	140000	---	---	< 1	< 1	< 1	< 1	< 2	< 1	< 20	< 2	< 2	< 2
MW-16	11/27/96	---	50	<500	<500	---	<0.50	<0.50	<0.50	1.5	140	71	---	---	---	---
MW-16	07/10/97	---	<50	<50	<50	---	<5	<5	<5	<5	<5	<5	---	---	---	---
MW-16	01/06/98	---	<500	<100	<100	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
MW-16	05/21/98	---	<300	---	---	---	<0.50	0.70	<0.50	0.60	<0.50	<0.50	---	---	---	---
MW-16	11/05/98	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-16	05/27/99	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-16	11/18/99	---	<300	---	---	<100	<0.50	<1	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-16	05/17/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-16	11/30/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-16	05/09/01	---	<300	---	---	3,100	2.6	<0.50	<0.50	0.60	<0.50	<0.50	---	---	---	---
MW-16	11/07/01	---	<300	---	---	2,100	1.2	<0.50	<0.50	<0.50	<0.50	<0.50	31	---	---	---
MW-16	02/01/02	---	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	220	---	---	---
MW-16	04/11/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	260	---	---	---
MW-16	10/23/02	---	<300	---	---	<100	<0.50	<1	<1	<1	<0.50	14	---	---	---	---
MW-16	01/29/03	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	6.8	---	---	---	---
MW-16	04/09/03	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<1	16	---	---	---	---
MW-16	08/01/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	110	---	---	---	---
MW-16	10/11/03	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	100	---	---	---	---
MW-16	01/28/04	---	51	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	89	---	---	---	---
MW-16	04/21/04	---	---	---	---	180	<0.50	<0.50	<0.50	<0.50	<0.50	83	110	<2	<2	<2
MW-16	07/20/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	22	---	---	---	---
MW-16	11/04/04	---	---	---	---	300	<0.50	<0.50	<0.50	<0.50	<0.50	3.3	120	<2	<2	<2
MW-16	02/02/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-16	05/06/05	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	08/02/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-16	11/08/05	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	05/04/06	---	---	---	---	180	0.87	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	09/19/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-16	12/08/06	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	05/03/07	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	11/16/07	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	04/17/08	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	10/16/08	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	04/23/09	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	10/23/09	<100	---	---	---	---	<0.50	<0.50								

TABLE 6

## Historical Analytical Results for TPH, BTEX, 1-2 DCA, MTBE, TBA, DIPE, ETBE, AND TAME in Groundwater - November 1996 through October 2013

Defense Fuel Support Point, Norwalk, California

Well	Date Sampled	TPH as JP-5 <sup>1</sup>	TPH as Gasoline	TPH as Diesel	TPH as JP-4 <sup>2</sup>	TPH as FP <sup>3</sup>	Benzene	Toulene	Ethylbenzene	Total Xylenes	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>	
Results reported in micrograms per liter (µg/L)																	
MW-16	04/16/10	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
MW-16	10/07/10	<100	---	---	---	---	<0.50	---	---	---	<0.50	<0.50	<10	---	---	---	
MW-16	04/12/11	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
MW-16	10/12/11	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
MW-16	04/17/12	<100	---	---	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<10	<2.0	<2.0	<2.0	
MW-16	10/16/12	<100	---	---	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<10	<2.0	<2.0	<2.0	
MW-16	04/09/13	---	---	<100	---	---	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<10	<2.0	<2.0	<2.0	
MW-17	11/27/96	---	45	<500	<500	---	<0.50	<0.50	<0.50	<1	<0.50	---	---	---	---	---	
MW-17	07/09/97	---	<50	<50	<50	---	<5	<5	<5	<5	<5	---	---	---	---	---	
MW-17	01/06/98	---	<500	<100	<100	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---	
MW-17	05/20/98	---	<300	---	---	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---	
MW-17	11/04/98	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
MW-17	05/26/99	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
MW-17	11/18/99	---	<300	---	---	<100	<0.50	<1	<0.50	<0.50	<0.50	0.50	---	---	---	---	
MW-17	05/17/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
MW-17	11/29/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
MW-17	05/09/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
MW-17	11/07/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
MW-17	04/10/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
MW-17	10/23/02	---	<300	---	---	<100	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---	
MW-17	04/10/03	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
MW-17	10/08/03	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
MW-17	04/21/04	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
MW-17	11/03/04	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
MW-17	05/05/05	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
MW-17	11/05/05	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
MW-17	05/03/06	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
MW-17	12/05/06	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
MW-17	05/02/07	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
MW-17	11/13/07	---	<100	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
MW-17	04/16/08	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
MW-17	10/15/08	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
MW-17	04/20/09	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
MW-17	10/23/09	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
MW-17	04/16/10	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
MW-17	10/06/10	<100	---	---	---	---	<0.50	---	---	---	<0.50	<0.50	<10	---	---	---	
MW-17	04/12/11	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
MW-17	10/13/11	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
MW-17	04/17/12	<100	---	---	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<10	<2.0	<2.0	<2.0	
MW-17	10/16/12	<100	---	---	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<10	<2.0	<2.0	<2.0	
MW-17	04/09/13	---	---	<100	---	---	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<10	<2.0	<2.0	<2.0	
MW-17	10/08/13	---	<100	110 J	---	---	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<10	<2.0	<2.0	<2.0	
MW-18 MID	07/16/97	---	<100	<500	---	---	---	---	---	---	---	---	---	---	---	---	
MW-18 MID	01/05/98	---	420	<500	---	---	---	---	---	---	---	---	---	---	---	---	
MW-18 MID	10/08/03	---	530	---	---	240	1.2	<1	<1	<1	16	640	---	---	---	---	
MW-18 MID	10/07/10	---	1,100	---	---	<1000	290	<1.5	<1.5	<1.5	<3	12	150	11	<3	<3	
MW-18 MID	04/13/11	---	4,100	---	---	910	1,900	<10	<10	11	<20	13	<200	21	<20	<20	
MW-18 MID	10/12/11	---	1,200	---	---	720	460	<2.5	<2.5	3.2	<5	4.6	82	9.3	<5	<5	
MW-18 MID	04/20/12	---	<200	330	---	---	<1	<1	<1	<1	<2	2.4	21	4.2	<2	<2	
MW-18 MID	10/18/12	---	96	170	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	49	3.6	<1	<1	
MW-19 MID	11/26/96	---	---	---	---	---	48	<0.50	17	1.8	7.7	600	---	---	---	---	
MW-19 MID	07/16/97	---	<100	<500	---	---	<0.50	<0.50	<0.50	<1	9.1	810	---	---	---	---	
MW-19 MID	01/05/98	---	<100	<500	---	---	<5	<50	<5	<15	<5	1,400	---	---	---	---	
MW-19 MID	05/27/98	---	500	---	---	---	<5	<0.50	<5	<10	14	590	---	---	---	---	
MW-19 MID	08/26/98	---	514	---	---	233	<2.5	<2.5	<2.5	<2.5	11	779	---	---	---	---	
MW-19 MID	11/17/98	---	491	---	---	<100	<5	<5	<5	<5	11	850	---	---	---	---	
MW-19 MID	02/03/99	---	<10000	<500	---	---	<10	<10	<10	<20	<20	1,300	---	---	---	---	
MW-19 MID	05/06/99	---	540	<500	---	---	42	<1	<1	<1	<2.5	1,500	---	---	---	---	
MW-19 MID	08/10/99	---	600	<1000	---	---	<0.50	<1	<1	<1	6.8	980	---	---	---	---	
MW-19 MID	11/17/99	---	1,100	---	---	310	26	<5	<5	<5	<5	1,100	---	---	---	---	
MW-19 MID	02/29/00	---	2,000	---	---	1,800	530	<5	<5	<5	<5	1,100	---	---	---	---	
MW-19 MID	05/17/00	---	5,200	---	---	5,100	1,900	<25	<25	<25	<25	2,600	---	---	---	---	
MW-19 MID	08/29/00	---	2,700	---	---	19,000	560	<10	<10	<10	<10	3,200	---	---	---	---	
MW-19 MID	11/30/00	---	2,100	---	---	1,200	520	3.6	0.90	6.1	<0.50	1,200	---	---	---	---	
MW-19 MID	02/06/01	---	780	---	---	410	66	<10	<10	<10	<10	720	---	---	---	---	
MW-19 MID	05/09/01	---	360	---	---	230	4.4	<2.5	<2.5	<2.5	6.5	490	---	---	---	---	
MW-19 MID	09/19/01	---	<300	---	---	<100	<2.5	<2.5	<2.5	<2.5	8.2	200	---	---	---	---	
MW-19 MID	11/06/01	---	<300	---	---	120	<1	<1	<1	<1	6.5	180	---	---	---	---	
MW-19 MID	01/30/02	---	<300	---	---	150	<0.50	<0.50	<0.50	<0.50	5.1	33	---	---	---	---	
MW-19 MID	04/10/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	4.3	11	---	---	---	---	
MW-19 MID	10/23/02	---	<300	---	---	330	1.1	<0.50	<0.50	<0.50	3.5	7.4	---	---	---	---	
MW-19 MID	04/10/03	---	92	---	---	<100	<0.50	<0.50	<0.50	<0.50	2.5	4.3	---	---	---	---	
MW-19 MID	10/07/03	---	84	---	---	<100	<0.50	<0.50	<0.50	<0.50	2.3	1.0	---	---	---	---	
MW-19 MID	04/21/04	---	99	---	---	150	<0.50	<0.50	<0.50	<0.50	2.6	<0.50	---	---	---	---	
MW-19 MID	11/03/04	---	<100	---	---	200	<0.50	<0.50	<0.50	<0.50	2.0	0.81	---	---	---	---	
MW-19 MID	05/06/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
MW-19 MID	11/03/05	---	68	---	---	140	<0.50	<0.50	<0.50	<0.50	4.2	1.2	---	---	---	---	
MW-19 MID	05/03/06	---	76	---	---	110	<0.50	<0.50	<0.50	<0.50	13	2.2	---	---	---	---	
MW-19 MID	12/06/06	---	<50	---	---	260	<0.50	<0.50	<0.50	<0.50	1.3	<0.50	---	---	---	---	
MW-19 MID	05/02/07	---	61	---	---	200	<0.50	<0.50	<0.50	<0.50	2.2	1.1	---	---	---	---	
MW-19 MID	11/13/07	---	57	---	---	130	<0.50	<0.50	<0.50	<0.50	2.9	0.86	---	---	---	---	

TABLE 6

Historical Analytical Results for TPH, BTEX, 1-2 DCA, MTBE, TBA, DIPE, ETBE, AND TAME in Groundwater - November 1996 through October 2013

Defense Fuel Support Point, Norwalk, California

Well	Date Sampled	TPH as JP-5 <sup>1</sup>	TPH as Gasoline	TPH as Diesel	TPH as JP-4 <sup>2</sup>	TPH as FP <sup>3</sup>	Benzene	Toulene	Ethylbenzene	Total Xylenes	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>	
Results reported in micrograms per liter (µg/L)																	
MW-19 MID	04/17/08	---	<50	---	---	110	<0.50	<0.50	<0.50	<0.50	3.0	1.2	---	---	---	---	
MW-19 MID	10/17/08	---	<50	---	---	190	<0.50	<0.50	<0.50	<0.50	3.2	1.3	---	---	---	---	
MW-19 MID	04/20/09	---	<50	---	---	120	<0.50	<0.50	<0.50	<0.50	3.8	0.81	66	9.8	<1	<1	
MW-19 MID	10/21/09	---	<50	---	---	140	<0.50	<0.50	<0.50	<0.50	5.0	0.79	130	16	<1	<1	
MW-19 MID	05/26/10	---	<50	---	---	120	<0.50	<0.50	<0.50	<0.50	3.1	<0.50	<10	12	<1	<1	
MW-19 MID	10/06/10	---	62	---	---	140	<0.50	<0.50	<0.50	<0.50	3.5	0.91	130	19	<1	<1	
MW-19 MID	04/12/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	3.2	0.81	67	14	<1	<1	
MW-19 MID	10/11/11	---	<50	---	---	130	<0.50	<0.50	<0.50	<0.50	3.2	0.67	110	11	<1	<1	
MW-19 MID	04/18/12	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	4.7	1	290	22	< 1	< 1	
MW-19 MID	10/17/12	---	< 50	77	---	---	< 0.5	< 0.5	< 0.5	< 0.5	5.3	1.1	360	28	< 1	< 1	
MW-19 MID	04/11/13	---	55	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	9.2	2	330	31	< 1	< 1	
MW-19 MID	10/10/13	---	54	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	7.4	2	350	25	< 1	< 1	
MW-20 MID	11/22/96	---	---	---	---	---	<0.50	<0.50	<0.50	1.5	66	36	---	---	---	---	
MW-20 MID	07/11/97	---	<100	<500	---	---	<0.50	<0.50	<0.50	<1	33	13	---	---	---	---	
MW-20 MID	01/05/98	---	<100	<500	---	---	<0.50	<0.50	<0.50	<1.5	17	9.2	---	---	---	---	
MW-20 MID	05/27/98	---	<300	---	---	---	<0.50	<0.50	<0.50	<1	35	22	---	---	---	---	
MW-20 MID	11/16/98	---	<300	---	---	<100	14	41	4.8	30	31	33	---	---	---	---	
MW-20 MID	05/07/99	---	<500	<500	---	---	5.6	22	1.7	9.8	22	13	---	---	---	---	
MW-20 MID	11/16/99	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	21	19	---	---	---	---	
MW-20 MID	05/19/00	---	<300	---	---	220	<0.50	<0.50	<0.50	<0.50	22	11	---	---	---	---	
MW-20 MID	11/28/00	---	<300	---	---	340	<0.50	<0.50	<0.50	<0.50	17	8.1	---	---	---	---	
MW-20 MID	05/09/01	---	<300	---	---	180	<50	<50	<50	<50	2,200	1,300	---	---	---	---	
MW-20 MID	09/19/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	23	11	---	---	---	---	
MW-20 MID	11/07/01	---	<300	---	---	170	<0.50	<0.50	<0.50	<0.50	23	14	---	---	---	---	
MW-20 MID	04/11/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	17	12	---	---	---	---	
MW-20 MID	10/24/02	---	<300	---	---	220	<0.50	<0.50	<0.50	<0.50	20	20	---	---	---	---	
MW-20 MID	04/10/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	17	11	---	---	---	---	
MW-20 MID	10/08/03	---	<100	---	---	<100	<0.50	<0.50	<0.50	<0.50	29	19	---	---	---	---	
MW-20 MID	04/21/04	---	56	---	---	<100	<0.50	<0.50	<0.50	<0.50	27	18	---	---	---	---	
MW-20 MID	11/05/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	23	15	---	---	---	---	
MW-20 MID	05/05/05	---	97	---	---	<100	<0.50	<0.50	<0.50	<0.50	33	57	---	---	---	---	
MW-20 MID	11/03/05	---	58	---	---	<100	<0.50	<0.50	<0.50	<0.50	25	46	---	---	---	---	
MW-20 MID	05/03/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	21	32	---	---	---	---	
MW-20 MID	12/07/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	21	25	---	---	---	---	
MW-20 MID	05/05/07	---	59	---	---	<100	<0.50	<0.50	<0.50	<0.50	20	25	---	---	---	---	
MW-20 MID	11/14/07	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	20	23	---	---	---	---	
MW-20 MID	04/17/08	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	15	21	---	---	---	---	
MW-20 MID	10/17/08	---	<50	---	---	100	<0.50	<0.50	<0.50	<0.50	17	18	---	---	---	---	
MW-20 MID	04/22/09	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	17	16	28	11	<1	<1	
MW-20 MID	10/21/09	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	16	18	32	14	<1	<1	
MW-20 MID	05/27/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	18	16	<10	12	<1	<1	
MW-20 MID	10/06/10	---	51	---	---	<100	<0.50	<0.50	<0.50	<0.50	15	19	40	13	<1	<1	
MW-20 MID	04/12/11	---	51	---	---	<100	<0.50	<0.50	<0.50	<0.50	17	18	<10	17	<1	<1	
MW-20 MID	10/11/11	---	<50	---	---	170	<0.50	<0.50	<0.50	<0.50	13	17	38	11	<1	<1	
MW-20 MID	04/19/12	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	15	12	26	9.9	< 1	< 1	
MW-20 MID	10/17/12	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	6.8	7.6	12	6.8	< 1	< 1	
MW-20 MID	04/10/13	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	14	9.8	< 10	6.7	< 1	< 1	
MW-20 MID	10/10/13	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	16	14	29	11	< 1	< 1	
MW-21 MID	05/07/99	---	<500	590	---	---	<1	<1	<1	<1	75	39	---	---	---	---	
MW-21 MID	11/29/00	---	<300	---	---	4,600	3.6	<0.50	<0.50	<0.50	16	62	---	---	---	---	
MW-21 MID	05/09/01	---	<300	---	---	1,900	<0.50	<0.50	<0.50	<0.50	9.8	50	---	---	---	---	
MW-21 MID	11/06/01	---	<300	---	---	1,400	0.50	<0.50	<0.50	<0.50	12	69	---	---	---	---	
MW-21 MID	04/10/02	---	<300	---	---	1,100	<0.50	<0.50	<0.50	<0.50	8.6	71	---	---	---	---	
MW-21 MID	10/23/02	---	<300	---	---	1,400	<0.50	<0.50	<0.50	<0.50	7.4	61	---	---	---	---	
MW-21 MID	10/07/03	---	87	---	---	290	<0.50	<0.50	<0.50	<0.50	5.6	55	---	---	---	---	
MW-21 MID	05/06/05	---	62	---	---	100	<0.50	<0.50	<0.50	<0.50	2.8	25	---	---	---	---	
MW-21 MID	05/03/06	---	<50	---	---	140	<0.50	<0.50	<0.50	<0.50	1.5	13	---	---	---	---	
MW-21 MID	05/02/07	---	<50	---	---	110	<0.50	<0.50	<0.50	<0.50	0.73	3.3	---	---	---	---	
MW-21 MID	04/17/08	---	<50	---	---	100	<0.50	<0.50	<0.50	<0.50	0.88	6.4	---	---	---	---	
MW-21 MID	04/20/09	---	<100	---	---	530	<0.50	<0.50	<0.50	<0.50	2.3	1.9	25	2.3	<1	<1	
MW-21 MID	05/26/10	---	<100	---	---	420	<0.50	<0.50	<0.50	<0.50	2.9	1.5	<10	3.2	<1	<1	
MW-21 MID	04/12/11	---	72	---	---	350	<0.50	<0.50	<0.50	<0.50	3.8	2.4	32	3.0	<1	<1	
MW-21 MID	04/18/12	---	< 100	140	---	---	< 0.5	< 0.5	< 0.5	< 0.5	2.2	< 0.5	17	< 1	< 1	< 1	
MW-21 MID	04/10/13	---	< 200	61	---	---	< 1	< 1	< 1	< 1	2.4	< 1	22	3.3	< 2	< 2	
MW-21 MID	10/10/13	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	2.8	0.81	35	3	< 1	< 1	
MW-22 MID	11/21/96	---	46	<500	<500	---	<0.50	<0.50	<0.50	<1.5	4.7	<5	---	---	---	---	
MW-22 MID	07/10/97	---	<50	650	<400	---	<5	<5	<5	<5	15	<5	---	---	---	---	
MW-22 MID	01/06/98	---	---	400	<100	---	<5	<5	<5	<1	<5	<5	---	---	---	---	
MW-22 MID	05/21/98	---	<300	---	---	---	<0.50	<0.50	<0.50	<1	0.90	<0.50	---	---	---	---	
MW-22 MID	08/26/98	---	<300	---	---	545	<0.50	<0.50	<0.50	<0.50	2.1	<0.50	---	---	---	---	
MW-22 MID	11/04/98	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	1.6	<0.50	---	---	---	---	
MW-22 MID	02/02/99	---	<500	<500	---	---	1.1	2.1	0.56	2.1	3.2	0.69	---	---	---	---	
MW-22 MID	05/07/99	---	---	<500	---	---	8.0	3.4	1.7	7.5	<1	6.9	---	---	---	---	
MW-22 MID	05/26/99	---	<300	---	---	322	<0.50	<0.50	<0.50	<0.50	3.7	4.7	---	---	---	---	
MW-22 MID	08/10/99	---	<500	<1000	---	---	3.1	6.2	<1	4.9	8.9	<1	---	---	---	---	
MW-22 MID	11/18/99	---	<300	---	---	260	<0.50	<1	<0.50	<0.50	19	0.80	---	---	---	---	
MW-22 MID	02/29/00	---	<300	---	---	470	<0.50	<0.50	<0.50	<0.50	29	3.3	---	---	---	---	
MW-22 MID	05/16/00	---	<300	---	---	380	<0.50	<0.50	<0.50	<0.50	16	2.4	---	---	---	---	
MW-22 MID	08/29/00	---	<300	---	---	4,400	<0.50	<0.50	<0.50	<0.50	45	14	---	---	---	---	
MW-22 MID	11/28/00	---	<300	---	---	1,100	<0.50	<0.50	<0.50	<0.50	88	13	---	---	---	---	
MW-22 MID	11/29/00	---	<300	---	---	870	<0.50	<0.50	<0.50	<0.50	88	13	---	---	---	---	



TABLE 6

## Historical Analytical Results for TPH, BTEX, 1-2 DCA, MTBE, TBA, DIPE, ETBE, AND TAME in Groundwater - November 1996 through October 2013

Defense Fuel Support Point, Norwalk, California

Well	Date Sampled	TPH as JP-5 <sup>1</sup>	TPH as Gasoline	TPH as Diesel	TPH as JP-4 <sup>2</sup>	TPH as FP <sup>3</sup>	Benzene	Toulene	Ethylbenzene	Total Xylenes	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>	
Results reported in micrograms per liter (µg/L)																	
MW-22 MID	02/06/01	---	<300	---	---	460	<1	<1	<1	<1	120	14	---	---	---	---	
MW-22 MID	05/09/01	---	<300	---	---	360	<0.50	<0.50	<0.50	<0.50	110	12	---	---	---	---	
MW-22 MID	05/09/01	---	<300	---	---	230	<0.50	<0.50	<0.50	<0.50	83	11	---	---	---	---	
MW-22 MID	09/19/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	30	4.5	---	---	---	---	
MW-22 MID	11/07/01	---	<300	---	---	130	<0.50	<0.50	<0.50	<0.50	36	6.5	---	---	---	---	
MW-22 MID	01/30/02	---	<300	---	---	430	<0.50	<0.50	<0.50	<0.50	30	19	---	---	---	---	
MW-22 MID	04/12/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	22	11	---	---	---	---	
MW-22 MID	07/30/02	---	<300	---	---	210	<0.50	<0.50	<0.50	<0.50	24	8.7	---	---	---	---	
MW-22 MID	10/24/02	---	<300	---	---	<100	<0.50	<1	<1	<1	18	5.4	---	---	---	---	
MW-22 MID	01/28/03	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	18	4.8	---	---	---	---	
MW-22 MID	04/11/03	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	9.1	2.4	---	---	---	---	
MW-22 MID	10/11/03	---	---	---	---	380	<0.50	<0.50	<0.50	<0.50	12	2.8	---	---	---	---	
MW-22 MID	04/22/04	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	19	4.8	21	3.2	<2	<2	
MW-22 MID	07/21/04	---	180	---	---	280	<0.50	<0.50	<0.50	<0.50	---	11	---	---	---	---	
MW-22 MID	11/04/04	---	---	---	---	240	<0.50	<0.50	<0.50	<0.50	31	11	17	2.8	<2	<2	
MW-22 MID	03/02/05	---	---	---	---	180	<0.50	<1	<1	<1	---	15	---	---	---	---	
MW-22 MID	05/07/05	---	---	---	---	290	<0.50	<0.50	<0.50	<0.50	1.8	30	<10	<2	<2	<2	
MW-22 MID	11/08/05	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	2.1	30	13	<2	<2	<2	
MW-22 MID	05/05/06	---	---	---	---	500	<0.50	<0.50	<0.50	<0.50	6.1	14	<10	<2	<2	<2	
MW-22 MID	12/05/06	---	---	---	---	130	<0.50	<0.50	<0.50	<0.50	5.3	16	13	<2	<2	<2	
MW-22 MID	05/02/07	---	---	---	---	200	<0.50	<0.50	<0.50	<0.50	4.4	14	17	<2	<2	<2	
MW-22 MID	11/14/07	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	10	15	19	2.1	<2	<2	
MW-22 MID	04/17/08	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	8.3	11	18	<2	<2	<2	
MW-22 MID	10/16/08	110	---	---	---	---	<0.50	<0.50	<0.50	<0.50	9.7	16	16	2.1	<2	<2	
MW-22 MID	02/12/09	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	15	18	22	3.1	<2	<2	
MW-22 MID	04/22/09	110	---	---	---	---	<0.50	<0.50	<0.50	<0.50	11	23	22	<2	<2	<2	
MW-22 MID	07/20/09	150	---	---	---	---	<0.50	<0.50	<0.50	<0.50	11	19	34	2.9	<2	<2	
MW-22 MID	10/23/09	130	---	---	---	---	<0.50	<0.50	<0.50	<0.50	13	16	27	<2	<2	<2	
MW-22 MID	01/13/10	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	9.7	13	24	2.1	<2	<2	
MW-22 MID	04/13/10	220	---	---	---	---	<0.50	<0.50	<0.50	<0.50	11	8.7	23	1.8 J	<2	<2	
MW-22 MID	10/04/10	140	---	---	---	---	<0.50	---	---	---	10	13	<10	---	---	---	
MW-22 MID	01/10/11	120	---	---	---	---	<0.50	<0.50	<0.50	<0.50	4.8	6.2	10	0.82 J	<2	<2	
MW-22 MID	04/14/11	120	---	---	---	---	<0.50	<0.50	<0.50	<0.50	6.5	10	<10	0.76 J	<2	<2	
MW-22 MID	07/11/11	100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	5.5	7.8	13	0.48 J	<2	<2	
MW-22 MID	10/13/11	120	---	---	---	---	0.39 J	0.38 J	<0.50	<0.50	4.6	6.3	7.2 J	0.37 J	<2	<2	
MW-22 MID	01/09/12	<100	---	---	---	---	<0.50	<0.50	<0.50	<1.0	4.4	6.6	12	0.45 J	<2.0	<2.0	
MW-22 MID	04/18/12	120	---	---	---	---	<0.50	<0.50	<0.50	<1.0	7.1	10	21	0.69 J	<2.0	<2.0	
MW-22 MID	07/09/12	<100	---	---	---	---	<0.50	<0.50	<0.50	<1.0	4.4	5.8	<10	0.43 J	<2.0	<2.0	
MW-22 MID	10/18/12	<100	---	---	---	---	<0.50	<0.50	<0.50	<1.0	6.4	12	<10	0.85 J	<2.0	<2.0	
MW-22 MID	01/14/13	---	---	<100	---	---	<0.50	<0.50	<0.50	<0.5	4.4	5.3	<10	0.42 J	<2.0	<2.0	
MW-22 MID	04/10/13	---	---	250 J	---	---	<0.50	<0.50	<0.50	<0.5	7	11	14	1.1 J	<2.0	<2.0	
MW-22 MID	10/07/13	---	<100	240 J	---	---	<0.50	<0.50	<0.50	<0.5	3.7	4.6	<10	<2.0	<2.0	<2.0	
MW-23 MID	11/21/96	---	1,400	<500	<500	---	62	<0.50	18	3.5	0.60	---	---	---	---	---	
MW-23 MID	07/09/97	---	---	---	---	---	160	<1	21	26	---	---	---	---	---	---	
MW-23 MID	07/09/97	---	140	970	<860	---	---	---	---	---	---	---	---	---	---	---	
MW-23 MID	01/06/98	---	---	<100	<100	---	<0.30	---	<0.30	---	---	---	---	---	---	---	
MW-23 MID	05/20/98	---	<300	---	---	---	---	---	---	---	---	---	---	---	---	---	
MW-23 MID	11/04/98	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	
MW-23 MID	05/27/99	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	
MW-23 MID	11/18/99	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	
MW-23 MID	05/16/00	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	
MW-23 MID	11/29/00	---	<300	---	---	2,200	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---	
MW-23 MID	05/10/01	---	<300	---	---	1,600	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---	
MW-23 MID	11/07/01	---	<300	---	---	600	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---	
MW-23 MID	04/10/02	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---	
MW-23 MID	10/23/02	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---	
MW-23 MID	04/10/03	---	---	---	---	<100	<1	<1	<1	<2	<3	<3	---	---	---	---	
MW-23 MID	10/08/03	---	---	---	---	160	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---	
MW-23 MID	04/22/04	---	---	---	---	<100	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---	
MW-23 MID	11/04/04	---	---	---	---	<100	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---	
MW-23 MID	05/10/05	---	---	---	---	650	0.40	0.79	0.41	<0.30	---	<5	---	---	---	---	
MW-23 MID	05/03/06	---	---	---	---	6,000	<0.30	<0.30	<0.30	0.32	---	<5	---	---	---	---	
MW-23 MID	12/06/06	---	---	---	---	240	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---	
MW-23 MID	05/02/07	---	---	---	---	340	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---	
MW-23 MID	11/14/07	---	---	---	---	<100	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---	
MW-23 MID	04/16/08	---	---	---	---	120	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---	
MW-23 MID	10/15/08	150	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2	
MW-23 MID	04/21/09	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	---	<0.50	---	---	---	---	
MW-23 MID	10/23/09	150	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2	
MW-23 MID	04/13/10	1,000	---	---	---	---	<0.50	<0.50	<0.50	<0.50	---	<0.50	4.8 J	<2	<2	<2	
MW-23 MID	10/04/10	1,400	---	---	---	---	<0.50	---	---	<0.50	0.73	<10	---	---	---	---	
MW-23 MID	04/14/11	1,800	---	---	---	---	<0.50	<0.50	<0.50	<0.50	2.9	<10	<2	<2	<2	<2	
MW-23 MID	10/13/11	1,900	---	---	---	---	<0.50	<0.50	<0.50	<0.50	10	14	<2	<2	<2	<2	
MW-23 MID	04/19/12	1,400	---	---	---	---	<0.50	<0.50	<0.50	0.32 J	<0.50	9.9	19	<2.0	<2.0	<2.0	
MW-23 MID	10/19/12	3,600	---	---	---	---	<0.50	<0.50	0.25 J	0.43 J	<0.50	4.3	<10	<2.0	<2.0	<2.0	
MW-23 MID	04/11/13	---	---	4800	---	---	<0.50	<0.50	<0.50	0.85 J	<0.50	2.9	13	<2.0	<2.0	<2.0	
MW-24	11/21/96	---	92	<500	<500	---	<0.50	<0.50	<0.50	<1.5	<0.50	---	---	---	---	---	
MW-24	07/09/97	---	100	1,400	<1000	---	11	<5	<5	<5	<5	---	---	---	---	---	
MW-24	01/06/98	---	700	<100	<100	---	93	<0.50	4.0	<1	<0.50	<0.50	---	---	---	---	
MW-24	05/20/98	---	<300	---	---	---	<0.30	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---	
MW-24	11/04/98	---	<300	---	---	129	11	2.7	2.1	18	<0.50	<0.50	---	---	---	---	

TABLE 6

Historical Analytical Results for TPH, BTEX, 1-2 DCA, MTBE, TBA, DIPE, ETBE, AND TAME in Groundwater - November 1996 through October 2013

Defense Fuel Support Point, Norwalk, California

Well	Date Sampled	TPH as JP-5 <sup>1</sup>	TPH as Gasoline	TPH as Diesel	TPH as JP-4 <sup>2</sup>	TPH as FP <sup>3</sup>	Benzene	Toulene	Ethylbenzene	Total Xylenes	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>	
Results reported in micrograms per liter (µg/L)																	
MW-24	05/26/99	---	<300	---	---	142	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
MW-24	11/18/99	---	<300	---	---	<100	<0.50	<1	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
MW-24	05/16/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
MW-24	11/29/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
MW-24	05/09/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
MW-24	11/07/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
MW-24	04/10/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
MW-24	10/23/02	---	<300	---	---	<100	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---	---
MW-24	04/11/03	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
MW-24	10/08/03	---	---	---	---	140	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
MW-24	04/22/04	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2
MW-24	11/04/04	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2
MW-24	05/07/05	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2
MW-24	11/08/05	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2
MW-24	05/03/06	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2
MW-24	12/06/06	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2
MW-24	05/03/07	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2
MW-24	11/14/07	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2
MW-24	04/17/08	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2
MW-24	10/16/08	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2
MW-24	04/21/09	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2
MW-24	10/23/09	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2
MW-24	04/13/10	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2
MW-24	10/04/10	<100	---	---	---	---	<0.50	---	---	---	<0.50	0.51	<10	---	---	---	---
MW-24	04/13/11	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2
MW-24	10/13/11	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2
MW-24	04/18/12	<100	---	---	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	2.6	6.3 J	<2.0	<2.0	<2.0	<2.0
MW-24	10/16/12	<100	---	---	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	1.7	<10	<2.0	<2.0	<2.0	<2.0
MW-24	04/09/13	---	---	150 J	---	---	<0.50	<0.50	<0.50	<0.5	<0.50	0.87	<10	<2.0	<2.0	<2.0	<2.0
MW-24	10/08/13	---	<100	230 J	---	---	<0.50	<0.50	<0.50	<0.5	<0.50	1	<10	<2.0	<2.0	<2.0	<2.0
MW-25	11/21/96	---	<50	<500	<500	---	<0.50	<0.50	<0.50	<1.5	17	<5	---	---	---	---	---
MW-25	07/09/97	---	<50	660	<400	---	<5	<5	<5	<5	17	<5	---	---	---	---	---
MW-25	01/06/98	---	<500	<100	<100	---	<0.50	<0.50	<0.50	<1	15	<0.50	---	---	---	---	---
MW-25	05/21/98	---	<300	---	---	---	<0.30	<0.50	<0.50	<1	8.6	<0.50	---	---	---	---	---
MW-25	11/04/98	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	11	<0.50	---	---	---	---	---
MW-25	05/06/99	---	<500	<500	---	---	1.9	1.2	0.68	3.3	14	1.3	---	---	---	---	---
MW-25	05/26/99	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	10	<0.50	---	---	---	---	---
MW-25	11/18/99	---	<300	---	---	<100	<0.50	<1	<0.50	<0.50	27	0.70	---	---	---	---	---
MW-25	05/16/00	---	<300	---	---	320	<0.50	<0.50	<0.50	<0.50	50	4.7	---	---	---	---	---
MW-25	11/28/00	---	<300	---	---	320	<0.50	<0.50	<0.50	<0.50	62	11	---	---	---	---	---
MW-25	11/29/00	---	<300	---	---	<100	<0.50	0.60	<0.50	0.80	73	14	---	---	---	---	---
MW-25	05/09/01	---	<300	---	---	240	<0.50	<0.50	<0.50	<0.50	45	7.1	---	---	---	---	---
MW-25	05/09/01	---	<300	---	---	150	<0.50	<0.50	<0.50	<0.50	36	6.2	---	---	---	---	---
MW-25	11/07/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	39	9.3	---	---	---	---	---
MW-25	04/12/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	23	9.4	---	---	---	---	---
MW-25	10/24/02	---	<300	---	---	<100	<0.50	<1	<1	<1	15	5.1	---	---	---	---	---
MW-25	04/11/03	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	31	8.6	---	---	---	---	---
MW-25	10/11/03	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	13	3.4	---	---	---	---	---
MW-25	04/22/04	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	13	3.5	<10	2.4	<2	<2	<2
MW-25	11/04/04	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	17	3.4	<10	2.9	<2	<2	<2
MW-25	05/07/05	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	2.8	5.0	<10	<2	<2	<2	<2
MW-25	11/08/05	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	0.95	1.9	<10	<2	<2	<2	<2
MW-25	05/05/06	---	---	---	---	390	<0.50	<0.50	<0.50	<0.50	4.3	10	<10	<2	<2	<2	<2
MW-25	12/05/06	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	3.0	3.5	<10	<2	<2	<2	<2
MW-25	05/03/07	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	2.8	2.3	<10	<2	<2	<2	<2
MW-25	11/14/07	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	1.6	1.3	<10	<2	<2	<2	<2
MW-25	04/17/08	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	4.5	4.3	<10	<2	<2	<2	<2
MW-25	10/16/08	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	8.9	6.1	<10	2.3	<2	<2	<2
MW-25	04/22/09	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	8.3	2.9	<10	<2	<2	<2	<2
MW-25	10/23/09	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	4.1	0.83	<10	<2	<2	<2	<2
MW-25	04/13/10	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	10	2.7	<10	2.5	<2	<2	<2
MW-25	10/04/10	<100	---	---	---	---	<0.50	---	---	---	2.0	0.35 J	<10	---	---	---	---
MW-25	04/12/11	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	7.1	1.4	<10	0.71 J	<2	<2	<2
MW-25	10/13/11	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	1.4	0.31 J	<10	<2	<2	<2	<2
MW-25	04/17/12	<100	---	---	---	---	<0.50	<0.50	<0.50	<1.0	1.3	<0.50	<10	<2.0	<2.0	<2.0	<2.0
MW-25	10/16/12	<100	---	---	---	---	<0.50	<0.50	<0.50	<1.0	3.4	0.67	<10	<2.0	<2.0	<2.0	<2.0
MW-25	04/09/13	---	---	<100	---	---	<0.50	<0.50	<0.50	<0.5	3.6	0.49 J	<10	<2.0	<2.0	<2.0	<2.0
MW-26	11/21/96	---	6,700	<500	<500	---	460	400	200	340	0.70	---	---	---	---	---	---
MW-26	07/10/97	---	<50	270	<200	---	<5										



TABLE 6

Historical Analytical Results for TPH, BTEX, 1-2 DCA, MTBE, TBA, DIPE, ETBE, AND TAME in Groundwater - November 1996 through October 2013

Defense Fuel Support Point, Norwalk, California

Well	Date Sampled	TPH as JP-5 <sup>1</sup>	TPH as Gasoline	TPH as Diesel	TPH as JP-4 <sup>2</sup>	TPH as FP <sup>3</sup>	Benzene	Toulene	Ethylbenzene	Total Xylenes	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>	
Results reported in micrograms per liter (µg/L)																	
MW-26	10/11/03	---	---	---	---	900	4.6	<0.50	5.7	0.54	<0.50	29	---	---	---	---	
MW-26	04/22/04	---	---	---	---	570	<0.50	<0.50	<0.50	<0.50	<0.50	140	18	<2	<2	<2	
MW-26	11/04/04	---	---	---	---	260	<0.50	<0.50	<0.50	<0.50	<0.50	110	23	<2	<2	<2	
MW-26	05/07/05	---	---	---	---	170	<0.50	<0.50	3.1	<0.50	<0.50	<0.50	<10	<2	<2	<2	
MW-26	11/08/05	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2	
MW-26	05/05/06	---	---	---	---	120	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2	
MW-26	12/06/06	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	1.9	<10	<2	<2	<2	
MW-26	05/03/07	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	2.0	<10	<2	<2	<2	
MW-26	11/14/07	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	4.4	<10	<2	<2	<2	
MW-26	04/17/08	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.99	<10	<2	<2	<2	
MW-26	10/16/08	150	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	5.0	<10	<2	<2	<2	
MW-26	04/22/09	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
MW-26	10/23/09	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	2.0	<10	<2	<2	<2	
MW-26	04/13/10	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.66	<10	<2	<2	<2	
MW-26	10/04/10	<100	---	---	---	---	1.6	---	---	---	<0.50	0.68	<10	---	---	---	
MW-26	04/13/11	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	2.3	<10	<2	<2	<2	
MW-26	10/13/11	<100	---	---	---	---	1.4	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
MW-26	04/17/12	770	---	---	---	---	1.1	< 0.50	0.32 J	0.57 J	< 0.50	3.7	9.7 J	< 2.0	< 2.0	< 2.0	
MW-26	10/16/12	1,400	---	---	---	---	3.9	0.50	2.2	0.69 J	< 0.50	1.4	5.6 J	< 2.0	< 2.0	< 2.0	
MW-26	04/09/13	---	---	990 J	---	---	2	0.36 J	1.5	0.86 J	< 0.50	0.74	< 10	< 2.0	< 2.0	< 2.0	
MW-26	10/08/13	---	610	730 J	---	---	9.9	0.33 J	0.95	0.74 J	< 0.50	0.97	5.9 J	< 2.0	< 2.0	< 2.0	
MW-27	11/22/96	---	<50	<500	<500	---	180	12	25	50	<0.50	---	---	---	---	---	
MW-27	07/10/97	---	420	400	<400	---	1,400	28	53	253	<5	79	---	---	---	---	
MW-27	01/06/98	---	1,500	<100	100	---	940	<5	70	20	20	90	---	---	---	---	
MW-27	05/21/98	---	<300	---	---	---	<0.30	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---	
MW-27	11/04/98	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
MW-27	05/26/99	---	<300	---	---	<100	<0.50	<0.50	0.71	1.3	<0.50	1.1	---	---	---	---	
MW-27	11/18/99	---	7,200	---	---	6,400	1,700	8.6	100	1,110	<0.50	170	---	---	---	---	
MW-27	05/16/00	---	<300	---	---	<100	1.7	<0.50	<0.50	<0.50	<0.50	5.0	---	---	---	---	
MW-27	11/29/00	---	<300	---	---	<100	0.90	0.70	0.70	1.0	0.60	17	---	---	---	---	
MW-27	05/10/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
MW-27	11/07/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
MW-27	04/11/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.90	---	---	---	---	
MW-27	10/24/02	---	<300	---	---	<100	<0.50	<1	<1	<1	<0.50	9.7	---	---	---	---	
MW-27	04/11/03	---	---	---	---	<100	<0.50	<0.50	2.8	<0.50	<0.50	17	---	---	---	---	
MW-27	10/11/03	---	---	---	---	150	6.2	<0.50	0.79	<0.50	<0.50	8.9	---	---	---	---	
MW-27	04/22/04	---	---	---	---	1,600	130	<0.50	16	<0.50	<0.50	65	20	<2	<2	<2	
MW-27	11/06/04	---	---	---	---	540	1.6	<0.50	17	<0.50	<0.50	65	21	<2	<2	<2	
MW-27	05/07/05	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
MW-27	11/08/05	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.59	<10	<2	<2	<2	
MW-27	05/05/06	---	---	---	---	280	<0.50	<0.50	<0.50	<0.50	<0.50	2.0	<10	<2	<2	<2	
MW-27	12/06/06	---	---	---	---	180	<0.50	<0.50	<0.50	<0.50	<0.50	2.3	<10	<2	<2	<2	
MW-27	05/03/07	---	---	---	---	110	<0.50	<0.50	<0.50	<0.50	<0.50	1.5	<10	<2	<2	<2	
MW-27	11/14/07	---	---	---	---	<100	1.3	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
MW-27	04/18/08	---	---	---	---	<100	2.9	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
MW-27	10/17/08	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
MW-27	04/22/09	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
MW-27	10/26/09	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.54	<10	<2	<2	<2	
MW-27	04/13/10	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	7.5 J	<2	<2	<2	
MW-27	10/04/10	<100	---	---	---	---	<0.50	---	---	---	<0.50	<0.50	<10	---	---	---	
MW-27	04/12/11	430	---	---	---	---	<0.50	<0.50	0.35 J	3.2	<0.50	<0.50	<10	<2	<2	<2	
MW-27	10/13/11	180	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
MW-27	04/17/12	< 100	---	---	---	---	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0	
MW-27	10/16/12	170	---	---	---	---	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	5.0	12	< 2.0	< 2.0	< 2.0	
MW-27	04/09/13	---	---	310 J	---	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	3.8	23	< 2.0	< 2.0	< 2.0	
MW-27	10/08/13	---	< 100	130 J	---	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	1.3	5.7 J	< 2.0	< 2.0	< 2.0	
MW-28	11/27/96	---	1,500	<500	<500	---	<2.5	<2.5	<2.5	<5	<2.5	---	---	---	---	---	
MW-28	07/10/97	---	220	2,200	<1900	---	<5	<5	<5	<5	<5	<5	---	---	---	---	
MW-28	01/07/98	---	<500	<100	<100	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---	
MW-28	05/21/98	---	<300	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	
MW-28	11/05/98	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	
MW-28	05/26/99	---	<300	---	---	<100	0.33	<0.30	<0.30	0.70	---	---	---	---	---	---	
MW-28	11/18/99	---	<300	---	---	330	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	
MW-28	05/17/00	---	<300	---	---	250	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	
MW-28	12/01/00	---	<300	---	---	470	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---	
MW-28	05/10/01	---	<300	---	---	3,000	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---	
MW-28	11/08/01	---	300	---	---	160	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---	
MW-28	04/12/02	---	<300	---	---	170	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---	
MW-29	05/21/98	---	84,700	---	---	---	313	46	314	366	---	---	---	---	---	---	
MW-29	11/05/98	---	28,600	---	---	19,600	87	<0.30	2.2	31	---	---	---	---	---	---	
MW-29	05/27/99	---	1,810	---	---	2,540	150	<0.60	160	23	---	---	---	---	---	---	
MW-29	11/18/99	---	5,100	---	---	17,000	220	<0.30	190	21	---	---	---	---	---	---	
MW-29	05/17/00	---	1,100	---	---	3,400	23	<0.30	35	7.6	---	---	---	---	---	---	
MW-29	11/30/00	---	2,400	---	---	14,000	120	<0.30	160	4.4	---	<5	---	---	---	---	
MW-29	05/09/01	---	<300	---	---	<100	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---	
MW-29	11/07/01	---	1,500	---	---	1,500	14	<0.30	3.7	2.1	---	8.3	---	---	---	---	
MW-29	02/01/02	---	---	---	---	---	100	7.3	160	990	<0.50	<0.50	---	---	---	---	
MW-29	04/11/02	---	860	---	---	5,600	4.1	<0.30	4.3	12	---	<5	---	---	---	---	
MW-29	04/12/13	---	---	2200	---	---	< 0.50	< 0.50	0.64	1.19 J	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0	
MW-29 DUP	04/12/13	---	---	---	---	---	< 0.50	0.24 J	0.57	1.14 J	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0	
MW-29	10/08/13	---	570	2900 J	---	---	0.21 J	< 0.50	0.75	1.4	< 0.50	< 0.50	8.7 J	< 2.0	< 2.0	< 2.0	

TABLE 6

Historical Analytical Results for TPH, BTEX, 1-2 DCA, MTBE, TBA, DIPE, ETBE, AND TAME in Groundwater - November 1996 through October 2013

Defense Fuel Support Point, Norwalk, California

Well	Date Sampled	TPH as JP-5 <sup>1</sup>	TPH as Gasoline	TPH as Diesel	TPH as JP-4 <sup>2</sup>	TPH as FP <sup>3</sup>	Benzene	Toulene	Ethylbenzene	Total Xylenes	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>	
Results reported in micrograms per liter (µg/L)																	
MW-6	11/22/96	---	---	---	---	---	<0.50	<0.50	<0.50	<1.5	130	70	---	---	---	---	
MW-6	07/16/97	---	<100	<500	---	---	<0.50	<0.50	<0.50	<1	32	62	---	---	---	---	
MW-6	01/05/98	---	<100	<500	---	---	<0.50	<0.50	<0.50	<1.5	11	39	---	---	---	---	
MW-6	05/26/98	---	<300	---	---	---	<2.5	<2.5	<2.5	<5	118	107	---	---	---	---	
MW-6	11/17/98	---	<300	---	---	<100	4.8	12	1.5	9.9	9.2	13	---	---	---	---	
MW-6	05/07/99	---	<500	<500	---	---	<0.50	1.5	<0.50	<0.50	83	120	---	---	---	---	
MW-6	11/16/99	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	20	18	---	---	---	---	
MW-6	05/19/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	14	12	---	---	---	---	
MW-6	11/28/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	12	3.0	---	---	---	---	
MW-6	05/09/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	9.8	11	---	---	---	---	
MW-6	11/07/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	11	6.2	---	---	---	---	
MW-6	04/11/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	7.6	6.0	---	---	---	---	
MW-6	10/24/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	9.4	4.6	---	---	---	---	
MW-6	04/10/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	7.4	3.2	---	---	---	---	
MW-6	10/08/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	9.1	2.5	---	---	---	---	
MW-6	04/21/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	4.9	2.8	---	---	---	---	
MW-6	11/05/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	4.0	4.0	---	---	---	---	
MW-6	05/05/05	---	89	---	---	100	<0.50	<0.50	<0.50	<0.50	16	61	---	---	---	---	
MW-6	11/03/05	---	<50	---	---	120	<0.50	<0.50	<0.50	<0.50	9.9	30	---	---	---	---	
MW-6	05/03/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	6.8	2.5	---	---	---	---	
MW-6	12/07/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	7.1	2.7	---	---	---	---	
MW-6	05/05/07	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	4.0	2.5	---	---	---	---	
MW-6	11/14/07	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	3.4	2.3	---	---	---	---	
MW-6	04/17/08	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	2.2	2.7	---	---	---	---	
MW-6	10/17/08	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	2.5	4.0	---	---	---	---	
MW-6	04/22/09	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	1.6	0.69	<10	<1	<1	<1	
MW-6	10/21/09	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	1.5	1.0	<10	<1	<1	<1	
MW-6	05/27/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	1.5	1.9	<10	<1	<1	<1	
MW-6	10/06/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	2.7	2.0	<10	<1	<1	<1	
MW-6	04/12/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	1.7	2.3	<10	<1	<1	<1	
MW-6	10/11/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	1.2	1.0	<10	<1	<1	<1	
MW-6	04/19/12	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	0.86	< 0.5	< 10	< 1	< 1	< 1	
MW-6	10/17/12	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1	
MW-6	04/10/13	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	0.7	< 0.5	< 10	< 1	< 1	< 1	
MW-6	10/10/13	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	0.82	0.51	< 10	< 1	< 1	< 1	
MW-6 DUP	04/19/12	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	0.8	< 0.5	< 10	< 1	< 1	< 1	
MW-7	11/25/96	---	---	---	---	---	3.5	<1	16	<3	6.8	1,000	---	---	---	---	
MW-7	07/14/97	---	540	<500	---	---	88	<3	<3	<3	<3	790	---	---	---	---	
MW-7	01/08/98	---	150	<500	---	---	9.0	<0.50	<0.50	<1.5	4.1	400	---	---	---	---	
MW-7	05/26/98	---	400	---	---	---	<5	<5	<5	7.0	10	380	---	---	---	---	
MW-7	11/17/98	---	<300	---	---	<100	5.4	7.0	<5	<5	<5	351	---	---	---	---	
MW-7	05/07/99	---	<500	<500	---	---	0.79	2.2	<0.50	0.71	6.8	540	---	---	---	---	
MW-7	11/16/99	---	540	---	---	<100	8.5	<0.50	<0.50	<0.50	4.7	670	---	---	---	---	
MW-7	05/17/00	---	590	---	---	880	<5	<5	<5	<5	14	900	---	---	---	---	
MW-7	11/30/00	---	590	---	---	320	4.1	<0.50	<0.50	<0.50	5.4	640	---	---	---	---	
MW-7	05/09/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	3.1	36	---	---	---	---	
MW-7	11/06/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	2.4	8.2	---	---	---	---	
MW-7	04/10/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	1.6	71	---	---	---	---	
MW-7	10/23/02	---	<300	---	---	180	<0.50	<0.50	<0.50	<0.50	2.0	5.0	---	---	---	---	
MW-7	04/10/03	---	57	---	---	<100	<0.50	<0.50	<0.50	<0.50	1.6	1.3	---	---	---	---	
MW-7	10/07/03	---	67	---	---	<100	<0.50	<0.50	<0.50	<0.50	1.5	1.2	---	---	---	---	
MW-7	04/21/04	---	62	---	---	120	<0.50	<0.50	<0.50	<0.50	0.68	1.4	---	---	---	---	
MW-7	11/03/04	---	58	---	---	140	<0.50	<0.50	<0.50	<0.50	<0.50	0.85	---	---	---	---	
MW-7	05/06/05	---	58	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.82	---	---	---	---	
MW-7	11/03/05	---	<100	---	---	<100	<0.50	<0.50	<0.50	<0.50	<1	<0.50	---	---	---	---	
MW-7	05/03/06	---	<50	---	---	110	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
MW-7	12/06/06	---	<50	---	---	270	<0.50	<0.50	<0.50	<0.50	0.65	1.5	---	---	---	---	
MW-7	05/02/07	---	<50	---	---	160	<0.50	<0.50	<0.50	<0.50	0.64	0.83	---	---	---	---	
MW-7	11/13/07	---	<50	---	---	120	<0.50	<0.50	<0.50	<0.50	0.57	0.83	---	---	---	---	
MW-7	04/17/08	---	<50	---	---	110	<0.50	<0.50	<0.50	<0.50	<0.50	0.80	---	---	---	---	
MW-7	10/17/08	---	<50	---	---	190	<0.50	<0.50	<0.50	<0.50	1.8	0.94	---	---	---	---	
MW-7	04/20/09	---	<50	---	---	110	<0.50	<0.50	<0.50	<0.50	2.1	0.60	<10	2.9	<1	<1	
MW-7	10/21/09	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	2.8	0.56	<10	2.0	<1	<1	
MW-7	05/26/10	---	<50	---	---	110	<0.50	<0.50	<0.50	<0.50	0.87	<0.50	<10	5.5	<1	<1	
MW-7	10/07/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	1.0	0.64	260	9.3	<1	<1	
MW-7	04/12/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	1.4	<0.50	98	6.0	<1	<1	
MW-7	10/11/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	0.99	<0.50	25	1.5	<1	<1	
MW-7	04/18/12	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	1.4	< 0.5	< 10	< 1	< 1	< 1	
MW-7	10/17/12	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	1.0	< 0.5	< 10	< 1	< 1	< 1	
MW-7	04/10/13	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	1.3	< 0.5	< 10	< 1	< 1	< 1	
MW-7	10/10/13	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	1.1	< 0.5	< 10	< 1	< 1	< 1	
MW-8	11/26/96	---	---	---	---	---	4,400	<30	<30	<80	<30	26,000	---	---	---	---	
MW-8	07/17/97	---	<100	520	---	---	<10	<10	<10	<20	<10	11,000	---	---	---	---	
MW-8	01/02/98	---	<100	<500	---	---	<0.50	<0.50	<0.50	<1.5	<0.50	14	---	---	---	---	
MW-8	05/20/98	---	400	---	---	---	<2.5	<2.5	<2.5	<5	<2.5	554	---	---	---	---	
MW-8	11/17/98	---	<300	---	---	<100	2.4	6.0	0.80	4.6	<0.50	56	---	---	---	---	
MW-8	05/07/99	---	<500	<500	---	---	<0.50	<0.50	<0.50	<0.50	<1	52	---	---	---	---	
MW-8	11/18/99	---	<416	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	7.2	---	---	---	---	
MW-8	05/17/00	---	<300	---	---	170	<0.50	<0.50	<0.50	<0.50	<0.50	3.0	---	---	---	---	
MW-8	11/29/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	15	---	---	---	---	
MW-8	02/06/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	380	---	---	---	---	

TABLE 6

Historical Analytical Results for TPH, BTEX, 1-2 DCA, MTBE, TBA, DIPE, ETBE, AND TAME in Groundwater - November 1996 through October 2013

Defense Fuel Support Point, Norwalk, California

Well	Date Sampled	TPH as JP-5 <sup>1</sup>	TPH as Gasoline	TPH as Diesel	TPH as JP-4 <sup>2</sup>	TPH as FP <sup>3</sup>	Benzene	Toulene	Ethylbenzene	Total Xylenes	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>
Results reported in micrograms per liter (µg/L)																
MW-8	05/08/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	430	---	---	---	---
MW-8	09/19/01	---	790	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	1,000	---	---	---	---
MW-8	01/30/02	---	1,700	---	---	<100	<10	<10	<10	<10	<10	1,900	---	---	---	---
MW-8	04/10/02	---	1,500	---	---	<100	11	<10	<10	<10	<10	2,200	---	---	---	---
MW-8	10/22/02	---	<300	---	---	<100	150	<10	12	<10	<10	750	---	---	---	---
MW-8	01/29/03	---	<300	---	---	<100	<1	<1	<1	<1	<1	190	---	---	---	---
MW-8	04/09/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	28	---	---	---	---
MW-8	07/30/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	13	---	---	---	---
MW-8	10/06/03	---	79	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	4.7	---	---	---	---
MW-8	01/28/04	---	100	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	4.0	---	---	---	---
MW-8	04/20/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.61	---	---	---	---
MW-8	07/19/04	---	80	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.95	---	---	---	---
MW-8	11/02/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-8	02/02/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	1.8	---	---	---	---
MW-8	05/04/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	---	---	---	---
MW-8	08/02/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	2.4	---	---	---	---
MW-8	11/01/05	---	110	---	---	270	<0.50	<0.50	<0.50	4.2	<0.50	0.60	---	---	---	---
MW-8	02/27/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.65	---	---	---	---
MW-8	05/02/06	---	<100	---	---	<100	<0.50	<0.50	<0.50	<0.50	<1	1.1	---	---	---	---
MW-8	09/19/06	---	<100	---	---	<100	<0.50	<0.50	<0.50	<0.50	<1	1.6	---	---	---	---
MW-8	12/06/06	---	<100	---	---	<100	<0.50	<0.50	<0.50	<0.50	<1	0.61	---	---	---	---
MW-8	03/13/07	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-8	05/04/07	---	<200	---	---	<100	<1	<1	<1	<1	<2	<1	---	---	---	---
MW-8	08/29/07	---	<200	---	---	<100	<1	<1	<1	<1	<2	<1	---	---	---	---
MW-8	11/13/07	---	<100	---	---	<100	<0.50	<0.50	<0.50	<0.50	<1	1.9	---	---	---	---
MW-8	02/07/08	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	1.7	---	---	---	---
MW-8	04/18/08	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	3.3	---	---	---	---
MW-8	10/14/08	---	<100	---	---	<100	<0.50	<0.50	<0.50	<0.50	<1	0.59	---	---	---	---
MW-8	04/23/09	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	1.0	2,000	<1	<1	<1
MW-8	10/21/09	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.69	570	<1	<1	<1
MW-8	05/27/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.62	<10	<1	<1	<1
MW-8	10/07/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.53	<1600	<1	<1	<1
MW-8	04/13/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	1,100	<1	<1	<1	<1
MW-8	10/11/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	970	<1	<1	<1	<1
MW-8	04/19/12	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	71	< 1	< 1	< 1	< 1
MW-8	10/17/12	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	220	< 1	< 1	< 1	< 1
MW-8	04/10/13	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
MW-8	10/10/13	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
MW-9	11/26/96	---	---	---	---	---	18	<0.50	69	1.6	<0.50	<5	---	---	---	---
MW-9	07/17/97	---	1,400	2,900	---	---	40	<1	140	22	<1	<10	---	---	---	---
MW-9	01/08/98	---	1,100	570	---	---	19	0.74	55	2.4	<0.50	<5	---	---	---	---
MW-9	05/26/98	---	4,700	---	---	---	69	<0.30	51	97	<2.5	10	---	---	---	---
MW-9	11/18/99	---	1,800	---	---	4,500	24	<0.50	2.7	2.0	<0.50	<0.50	---	---	---	---
MW-9	05/19/00	---	1,300	---	---	3,900	12	<0.50	0.80	0.50	<0.50	1.8	---	---	---	---
MW-9	11/05/04	---	2,500	---	---	21,000	27	<0.50	0.84	0.52	<1	52	---	---	---	---
MW-9	05/06/05	---	780	---	---	3,300	2.3	<1	25	<1	<2	110	---	---	---	---
MW-9	11/01/05	---	1,700	---	---	5,400	9.3	<1	4.7	5.3	<2	120	---	---	---	---
MW-9	05/04/06	---	1,000	---	---	10,000	13	<0.50	2.2	1.4	<1	140	---	---	---	---
MW-9	12/08/06	---	1,400	---	---	14,000	16	<0.50	<0.50	<0.50	<0.50	160	---	---	---	---
MW-9	05/04/07	---	1,700	---	---	610,000	9.2	<0.50	0.50	<0.50	<1	130	---	---	---	---
MW-9	04/18/08	---	2,500	---	---	11,000	51	<1	1.7	1.9	<2	16	---	---	---	---
MW-9	10/14/08	---	1,600	---	---	4,700	27	<1	<1	<1	<2	26	---	---	---	---
MW-9	04/23/09	---	1,600	---	---	11,000	33	<2.5	<2.5	<2.5	<5	6.2	130	<5	<5	<5
MW-9	05/27/10	---	1,600	---	---	11,000	24	<5	<5	<5	<10	<5	<100	<10	<10	<10
MW-9	10/07/10	---	2,400	---	---	<12000	23	<2	<2	<2	<4	3.3	50	<4	<4	<4
MW-9	04/14/11	---	1,400	---	---	28,000	18	<5	<5	<5	<10	<5	<100	<10	<10	<10
MW-9	10/12/11	---	1,200	---	---	8,700	17	<2.5	<2.5	<2.5	<5	<2.5	<50	<5	<5	<5
MW-9	04/20/12	---	2,200	4,500	---	---	20	< 5	< 5	< 5	< 10	< 5	< 100	< 10	< 10	< 10
MW-9	10/17/12	---	1,200	2,500	---	---	9.1	< 2.5	< 2.5	< 2.5	< 5	3.7	< 50	< 5	< 5	< 5
MW-9	04/11/13	---	870	4400	---	---	4.8	< 2.5	< 2.5	< 2.5	< 5	4.5	< 50	< 5	< 5	< 5
MW-9	10/10/13	---	1200	2100	---	---	4.2	< 1	< 1	< 1	< 2	11	45	< 2	< 2	< 2
MW-O-1	10/08/10	---	32,000	---	---	<30000	3,700	1,700	1,100	1,800	<50	60	<500	<50	<50	<50
MW-O-1	04/13/11	---	14,000	---	---	40,000	1,900	370	400	2,400	<20	13	<200	<20	<20	<20
MW-O-1	10/14/11	---	15,000	---	---	22,000	580	240	580	1,800	<20	<10	<200	<20	<20	26
MW-O-1	10/19/12	---	4,500	8,800	---	---	570	160	94	540	< 4	17	59	< 4	< 4	< 4
MW-O-2	10/05/10	---	570	---	---	<540	87	5.6	7.2	33	<1	81	33	3.3	<1	<1
MW-O-2	04/27/12	---	21,000	13,000	---	---	7,900	120	200	570	< 100	160	< 1000	< 100	< 100	< 100
MW-O-2	06/06/13	---	10000	7000	---	---	5400	< 40	91	200	< 80	190	< 800	< 80	< 80	< 80
MW-O-2	10/11/13	---	43000	4800	---	---	17000	710	530	1500	< 130	710	< 1300	< 130	< 130	< 130
MW-SF-1	03/11/03	---	1,700	---	---	1,500	1,400	16	76	54	<10	620	---	---	---	---
MW-SF-1	08/01/03	---	13,000	---	---	18,000	4,200	240	420	1,020	<30	910	---	---	---	---
MW-SF-1	10/07/03	---	15,000	---	---	7,300	4,800	170	390	1,060	<40	800	---	---	---	---
MW-SF-1	04/22/04	---	27,000	---	---	11,000	11,000	510	480	970	<100	3,800	---	---	---	---
MW-SF-1	11/03/04	---	34,000	---	---	12,000	13,000	400	690	1,170	<100	2,600	---	---	---	---
MW-SF-1	05/06/05	---	12,000	---	---	8,800	3,900	220	240	340	<30	670	---	---	---	---
MW-SF-1	11/02/05	---	15,000	---	---	9,200	5,600	340	330	1,050	<50	570	---	---	---	---
MW-SF-1	05/09/06	---	20,000	---	---	9,000	8,200	730	570	1,050	<100	1,300	---	---	---	---
MW-SF-1	12/08/06	---	19,000	---	---	20,000	7,000	640	590	960	<100	650	---	---	---	---
MW-SF-1	03/13/07	---	10,000	---	---	2,700	3,400	320	390	790	<50	160	---	---	---	---
MW-SF-1	05/04/07	---	11,000	---	---	4,600	3,400	110	430	229	<50	340	---	---	---	---
MW-SF-1	08/30/07	---	16,000	---	---	9,000	6,000	210	550	290	<100	430	---	---	---	---

TABLE 6

Historical Analytical Results for TPH, BTEX, 1-2 DCA, MTBE, TBA, DIPE, ETBE, AND TAME in Groundwater - November 1996 through October 2013

Defense Fuel Support Point, Norwalk, California

Well	Date Sampled	TPH as JP-5 <sup>1</sup>	TPH as Gasoline	TPH as Diesel	TPH as JP-4 <sup>2</sup>	TPH as FP <sup>3</sup>	Benzene	Toulene	Ethylbenzene	Total Xylenes	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>	
Results reported in micrograms per liter (µg/L)																	
MW-SF-1	11/14/07	---	16,000	---	---	6,300	6,100	180	540	213	<50	400	---	---	---	---	
MW-SF-1	02/21/08	---	23,000	---	---	5,600	11,000	280	530	500	<100	1,100	---	---	---	---	
MW-SF-1	04/16/08	---	21,000	---	---	11,000	11,000	350	440	550	<200	740	---	---	---	---	
MW-SF-1	08/14/08	---	18,000	---	---	27,000	8,200	240	390	253	<100	490	---	---	---	---	
MW-SF-1	10/16/08	---	21,000	---	---	12,000	10,000	280	490	477	<100	770	---	---	---	---	
MW-SF-1	02/24/09	---	11,000	---	---	10,000	6,300	85	160	65	<50	420	<500	---	---	---	
MW-SF-1	04/20/09	---	16,000	---	---	11,000	7,500	210	340	261	<100	340	<1000	<100	<100	<100	
MW-SF-1	07/22/09	---	12,000	---	---	34,000	6,300	110	180	89	<50	510	540	<50	<50	<50	
MW-SF-1	10/23/09	---	21,000	---	---	12,000	11,000	110	350	63	<100	620	<1000	<100	<100	<100	
MW-SF-1	03/16/10	---	13,000	---	---	12,000	5,900	56	120	55	<50	650	<500	<50	<50	<50	
MW-SF-1	05/27/10	---	8,800	---	---	3,500	3,900	46	150	51	<40	140	<400	<40	<40	<40	
MW-SF-1	07/13/10	---	8,600	---	---	11,000	4,000	41	64	<25	<50	350	<500	<50	<50	<50	
MW-SF-1	10/07/10	---	10,000	---	---	<5000	5,200	58	67	<50	<100	440	<1000	<100	<100	<100	
MW-SF-1	01/12/11	---	15,000	---	---	15,000	8,500	<50	<50	<50	<100	650	<1000	<100	<100	<100	
MW-SF-1	04/13/11	---	16,000	---	---	9,400	7,800	62	97	93	<100	450	<1000	<100	<100	<100	
MW-SF-1	07/12/11	---	8,400	---	---	12,000	4,700	34	76	<38	<50	240	<500	<50	<50	<50	
MW-SF-1	10/12/11	---	9,500	---	---	9,800	4,500	32	71	37	<50	180	<500	<50	<50	<50	
MW-SF-1	01/10/12	---	15,000	---	---	13,000	7,300	94	140	140	< 100	240	< 1000	< 100	< 100	< 100	
MW-SF-1	04/19/12	---	8,800	17,000	---	---	4,600	33	90	83	< 50	110	< 500	< 50	< 50	< 50	
MW-SF-1	10/18/12	---	3,700	6,400	---	---	1,500	< 10	15	< 10	< 20	45	< 200	< 20	< 20	< 20	
MW-SF-1	01/15/13	---	8500	4100	---	---	4500	93	56	39	< 50	110	< 500	< 50	< 50	< 50	
MW-SF-10	10/05/10	---	30,000	---	---	<220000	1,500	1,200	600	2,700	<30	31	<300	<30	<30	<30	
MW-SF-10	04/14/11	---	31,000	---	---	160,000	520	68	410	6,500	<20	21	<200	<20	<20	<20	
MW-SF-10	10/13/11	---	18,000	---	---	46,000	320	320	260	2,900	<20	<10	<200	<20	<20	<20	
MW-SF-11	10/05/10	---	7,800	---	---	650	4,000	210	<15	110	<30	140	940	<30	<30	<30	
MW-SF-11	04/29/11	---	16,000	---	---	2,500	10,000	60	95	140	<100	130	<1000	<100	<100	<100	
MW-SF-11	10/13/11	---	30,000	---	---	2,300	14,000	250	340	600	<200	<100	<2000	<200	<200	<200	
MW-SF-11	04/19/12	---	15,000	160	---	---	8,100	130	110	480	< 100	100	< 1000	< 100	< 100	< 100	
MW-SF-11	10/18/12	---	77,000	320	---	---	18,000	420	2,600	6,500	< 200	< 100	< 2000	< 200	< 200	< 200	
MW-SF-12	10/05/10	---	17,000	---	---	1,900	5,300	1,800	110	680	<50	2,200	880	<50	<50	<50	
MW-SF-12	04/29/11	---	27,000	---	---	19,000	5,900	4,400	340	3,400	<50	2,200	<500	<50	<50	<50	
MW-SF-12	10/13/11	---	110,000	---	---	11,000	24,000	18,000	1,000	6,400	<200	7,200	<2000	<200	<200	<200	
MW-SF-13	10/05/10	---	9,000	---	---	2,900	2,100	1,000	83	520	<20	680	280	61	<20	<20	
MW-SF-13	04/29/11	---	3,400	---	---	6,300	1,000	64	20	189	<10	39	270	23	<10	<10	
MW-SF-13	10/14/11	---	42,000	---	---	13,000	12,000	5,200	300	2,200	<200	580	<2000	<200	<200	<200	
MW-SF-14	10/08/10	---	30,000	---	---	9,300	10,000	300	900	1,400	<200	1,900	2,300	<200	<200	<200	
MW-SF-14	04/29/11	---	18,000	---	---	6,500	12,000	84	130	150	<100	330	1,800	<100	<100	<100	
MW-SF-14	10/13/11	---	<20000	---	---	6,900	9,100	120	<100	660	<200	760	<2000	<200	<200	<200	
MW-SF-14	04/19/12	---	15,000	450	---	---	8,200	47	43	120	< 50	220	630	< 50	< 50	< 50	
MW-SF-14	10/18/12	---	9,800	200	---	---	5,100	24	< 20	64	< 40	58	< 400	< 40	< 40	< 40	
MW-SF-15	10/05/10	---	8,600	---	---	2,000	1,900	700	63	500	<20	1,000	9,200	37	<20	<20	
MW-SF-15	04/29/11	---	10,000	---	---	3,800	5,500	230	100	361	<40	1,200	3,400	62	<40	<40	
MW-SF-15	10/14/11	---	35,000	---	---	39,000	11,000	860	210	1,700	<200	780	2,300	<200	<200	<200	
MW-SF-16	10/04/10	---	4,100	---	---	<1400	1,600	150	39	160	<20	170	1,800	39	<20	<20	
MW-SF-16	04/29/11	---	5,900	---	---	2,400	2,400	210	150	563	<20	210	370	30	<20	<20	
MW-SF-16	10/14/11	---	7,900	---	---	2,500	2,900	130	140	380	<50	200	<500	<50	<50	<50	
MW-SF-2	10/05/10	---	110,000	---	---	<180000	21,000	18,000	1,200	7,100	<200	1,700	<2000	<200	<200	<200	
MW-SF-2	04/14/11	---	48,000	---	---	26,000	15,000	1,800	600	5,400	<200	930	<2000	<200	<200	<200	
MW-SF-2	10/13/11	---	72,000	---	---	18,000	18,000	9,600	660	5,100	<200	940	<2000	<200	<200	<200	
MW-SF-3	10/04/10	---	<500	---	---	<3700	32	10	<2.5	8.4	<5	50	3,000	<5	<5	<5	
MW-SF-3	04/29/11	---	15,000	---	---	52,000	5,200	590	140	520	<50	2,300	1,200	<50	<50	<50	
MW-SF-3	10/14/11	---	9,500	---	---	3,400	4,300	<25	28	38	<50	98	<500	<50	<50	<50	
MW-SF-4	03/11/03	---	3,600	---	---	2,500	1,100	<13	180	120	<13	750	---	---	---	---	
MW-SF-4	10/08/03	---	40,000	---	---	86,000	4,600	1,900	990	5,200	<40	530	---	---	---	---	
MW-SF-4	02/21/08	---	25,000	---	---	9,900	4,100	89	1,200	2,730	<40	330	---	---	---	---	
MW-SF-4	04/16/08	---	21,000	---	---	11,000	4,600	94	970	2,920	<100	380	---	---	---	---	
MW-SF-4	08/14/08	---	20,000	---	---	54,000	4,200	43	1,100	770	<50	260	---	---	---	---	
MW-SF-4	10/16/08	---	17,000	---	---	12,000	3,700	42	1,100	1,196	<40	170	---	---	---	---	
MW-SF-4	02/23/09	---	20,000	---	---	32,000	6,400	92	1,000	1,420	<50	950	<500	---	---	---	
MW-SF-4	05/28/10	---	17,000	---	---	8,800	7,200	39	370	250	<50	440	<500	120	<50	<50	
MW-SF-4	07/14/10	---	13,000	---	---	9,500	4,400	37	450	360	<50	320	<500	64	<50	<50	
MW-SF-4	10/07/10	---	30,000	---	---	<31000	8,900	<50	940	770	<100	620	<1000	<100	<100	<100	
MW-SF-4	01/12/11	---	20,000	---	---	18,000	8,500	<50	350	280	<100	350	<1000	100	<100	<100	
MW-SF-4	04/13/11	---	11,000	---	---	28,000	2,600	<15	320	297	<30	180	<300	<30	<30	<30	
MW-SF-4	07/12/11	---	15,000	---	---	10,000	4,500	36	530	540	<50	220	<500	<50	<50	<50	
MW-SF-4	01/10/12	---	22,000	---	---	54,000	4,900	< 25	590	770	< 50	160	< 500	< 50	< 50	< 50	
MW-SF-4	04/20/12	---	19,000	7,200	---	---	4,500	36	480	430	< 50	460	< 500	< 50	< 50	< 50	
MW-SF-4	10/19/12	---	8,900	9,900	---	---	2,200	40	280	420	< 20	160	410	< 20	< 20	< 20	
MW-SF-4	01/15/13	---	13000	3700	---	---	5000	46	660	300	< 80	380	< 800	< 80	< 80	< 80	
MW-SF-5	10/08/10	---	540	---	---	<2700	110	1.1	<1	<1	<2	400	180	18	<2	<2	
MW-SF-5	04/13/11	---	570	---	---	2,900	41	<2	<2	<2	<4	380	270	24	<4	<4	
MW-SF-5	10/13/11	---	<500	---	---	2,900	6.9	<2.5	<2.5	<2.5	<5	240	100	11	<5	<5	
MW-SF-6	10/08/10	---	59,000	---	---	9,200	15,000	7,200	940	4,300	<200	740	<2000	<200	<200	<200	
MW-SF-6	04/14/11	---	32,000	---	---	12,000	12,000	330	540	3,800	<100	810	<1000	<100	<100	<100	
MW-SF-6	10/13/11	---	40,000	---	---	11,000	14,000	420	780	3,600	<200	570	<2000	<200	<200	<200	
MW-SF-9	03/11/03	---	24,000	---	---	13,000	3,200	940	340	1,040	<25	1,600	---	---	---	---	
MW-SF-9	08/01/03	---	6,600	---	---	95,000	980	72	140	430	17	2,500	---	---	---	---	
MW-SF-9	10/07/03	---	5,800	---	---	3,300	340	8.8	82	92	<5	3,200	---	---	---	---	
MW-SF-9	05/04/05	---	5,700	---	---	9,700	730	73	130	190	<10	54					

TABLE 6

Historical Analytical Results for TPH, BTEX, 1-2 DCA, MTBE, TBA, DIPE, ETBE, AND TAME in Groundwater - November 1996 through October 2013

Defense Fuel Support Point, Norwalk, California

Well	Date Sampled	TPH as JP-5 <sup>1</sup>	TPH as Gasoline	TPH as Diesel	TPH as JP-4 <sup>2</sup>	TPH as FP <sup>3</sup>	Benzene	Toulene	Ethylbenzene	Total Xylenes	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>	
Results reported in micrograms per liter (µg/L)																	
MW-SF-9	11/14/07	---	110	---	---	1,400	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
MW-SF-9	04/16/08	---	920	---	---	5,800	200	1.4	6.3	3.9	<1	16	---	---	---	---	---
MW-SF-9	10/21/08	---	350	---	---	770	10	<0.50	2.3	<0.50	<1	<0.50	---	---	---	---	---
MW-SF-9	04/23/09	---	430	---	---	3,800	44	<0.50	1.2	<0.50	<0.50	<0.50	<10	<1	<1	<1	<1
MW-SF-9	10/22/09	---	2,400	---	---	5,900	1,300	<10	11	<10	<20	13	<200	<20	<20	<20	<20
MW-SF-9	05/27/10	---	350	---	---	8,200	100	1.3	<1	<1	<2	<1	<20	<2	<2	<2	<2
MW-SF-9	10/07/10	---	1,100	---	---	<7300	450	7.8	17	<2.5	<5	<2.5	<50	<5	<5	<5	<5
MW-SF-9	04/13/11	---	310	---	---	5,900	36	<0.50	<0.50	1.2	<1	<0.50	<10	<1	<1	<1	<1
MW-SF-9	04/19/12	---	480	3,300	---	---	160	<1	<1	<1	<2	<1	<20	2.2	<2	<2	<2
MW-SF-9	06/06/13	---	2300	4500	---	---	680	25	52	190	<10	20	<100	40	<10	<10	<10
MW-SF-9	10/11/13	---	4100	7300	---	---	910	220	55	310	<20	17	<200	<20	<20	<20	<20
PO-7	11/08/05	---	<100	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2
PW-1	11/27/96	---	---	---	---	---	<1	2.2	<1	2.0	270	<10	---	---	---	---	---
PW-1	07/15/97	---	190	<500	---	---	<0.50	<0.50	<0.50	<1	180	<5	---	---	---	---	---
PW-1	01/05/98	---	<100	<500	---	---	<0.50	<0.50	<0.50	<1.5	68	<5	---	---	---	---	---
PW-1	05/22/98	---	<300	---	---	---	<0.50	<0.50	<0.50	<1	38	<0.50	---	---	---	---	---
PW-1	11/13/98	---	<300	---	---	---	<0.50	<0.50	<0.50	<0.50	73	8.1	---	---	---	---	---
PW-1	05/06/99	---	<500	<500	---	---	<0.50	<0.50	<0.50	<0.50	5.7	<0.50	---	---	---	---	---
PW-1	11/17/99	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	2.5	<0.50	---	---	---	---	---
PW-1	05/17/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	1.5	<0.50	---	---	---	---	---
PW-1	11/28/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	0.70	<0.50	---	---	---	---	---
PW-1	05/09/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	0.60	<0.50	---	---	---	---	---
PW-1	11/07/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	1.3	<0.50	---	---	---	---	---
PW-1	04/11/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
PW-1	10/23/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
PW-1	04/08/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
PW-1	10/08/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
PW-1	04/21/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
PW-1	11/04/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
PW-1	05/05/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	2.1	<0.50	---	---	---	---	---
PW-1	05/09/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
PW-1	12/07/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
PW-1	05/05/07	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
PW-1	11/14/07	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
PW-1	04/18/08	---	<50	---	---	460	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
PW-1	11/21/08	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
PW-1	04/20/09	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	<1
PW-1	10/21/09	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	<1
PW-1	05/26/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	<1
PW-1	10/06/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	<1
PW-1	04/12/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	<1
PW-1	10/11/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	<1
PW-2	11/25/96	---	---	---	---	---	<0.50	<0.50	<0.50	<1.5	76	3.3	---	---	---	---	---
PW-2	07/14/97	---	140	<500	---	---	<0.50	<0.50	<0.50	<1	160	<5	---	---	---	---	---
PW-2	01/06/98	---	<100	<500	---	---	<0.50	<0.50	<0.50	<1.5	82	<5	---	---	---	---	---
PW-2	05/22/98	---	<300	---	---	---	<0.50	<0.50	<0.50	<1	37	0.90	---	---	---	---	---
PW-2	08/25/98	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	6.8	<0.50	---	---	---	---	---
PW-2	11/16/98	---	<300	---	---	---	16	18	2.0	11	35	58	---	---	---	---	---
PW-2	02/03/99	---	<500	<500	---	---	<0.50	<0.50	<0.50	<1	79	2.4	---	---	---	---	---
PW-2	05/06/99	---	<500	<500	---	---	<0.50	<0.50	<0.50	<0.50	3.4	<0.50	---	---	---	---	---
PW-2	08/10/99	---	<500	<1000	---	---	<0.50	<1	<1	<1	32	<1	---	---	---	---	---
PW-2	11/19/99	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	45	0.70	---	---	---	---	---
PW-2	02/29/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	58	<0.50	---	---	---	---	---
PW-2	05/16/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	50	0.80	---	---	---	---	---
PW-2	08/29/00	---	<300	---	---	760	<0.50	<0.50	<0.50	<0.50	56	0.60	---	---	---	---	---
PW-2	11/29/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	35	0.60	---	---	---	---	---
PW-2	02/06/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	28	0.80	---	---	---	---	---
PW-2	05/08/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	14	<0.50	---	---	---	---	---
PW-2	09/19/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	24	<0.50	---	---	---	---	---
PW-2	11/06/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	23	<0.50	---	---	---	---	---
PW-2	01/30/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
PW-2	04/09/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	1.7	19	<0.50	---	---	---	---	---
PW-2	10/24/02	---	<300	---	---	1,000	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
PW-2	01/16/03	---	<300	---	---	<100	---	---	---	---	---	---	---	---	---	---	---
PW-2	04/08/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
PW-2	07/07/03	---	---	---	---	---	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---	---
PW-2	10/07/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	8.8	<0.50	---	---	---	---	---
PW-2	04/21/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	18	0.56	---	---	---	---	---
PW-2	07/08/04	---	<50	---	---	250	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
PW-2	11/03/04	---	83	---	---	140	<0.50	<0.50	<0.50	<0.50	52	1.5	---	---	---	---	---
PW-2	05/06/05	---	110	---	---	<100	<0.50	<0.50	<0.50	<0.50	70	6.2	---	---			

TABLE 6

Historical Analytical Results for TPH, BTEX, 1-2 DCA, MTBE, TBA, DIPE, ETBE, AND TAME in Groundwater - November 1996 through October 2013

Defense Fuel Support Point, Norwalk, California

Well	Date Sampled	TPH as JP-5 <sup>1</sup>	TPH as Gasoline	TPH as Diesel	TPH as JP-4 <sup>2</sup>	TPH as FP <sup>3</sup>	Benzene	Toulene	Ethylbenzene	Total Xylenes	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>	
Results reported in micrograms per liter (µg/L)																	
PW-3	08/25/98	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	35	<0.50	---	---	---	---	
PW-3	11/16/98	---	<300	---	---	---	<0.50	4.5	0.60	3.6	21	<0.50	---	---	---	---	
PW-3	02/03/99	---	<500	<500	---	---	<0.50	<0.50	<0.50	<1	25	<0.50	---	---	---	---	
PW-3	05/06/99	---	<500	<500	---	---	<0.50	<0.50	<0.50	<0.50	21	<0.50	---	---	---	---	
PW-3	08/10/99	---	<500	<1000	---	---	<0.50	<1	<1	<1	13	<1	---	---	---	---	
PW-3	11/28/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	3.5	<0.50	---	---	---	---	
PW-3	05/08/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	4.4	<0.50	---	---	---	---	
PW-3	09/19/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	2.7	<0.50	---	---	---	---	
PW-3	11/06/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	4.8	<0.50	---	---	---	---	
PW-3	01/30/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
PW-3	04/09/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	3.0	<0.50	---	---	---	---	
PW-3	10/24/02	---	<300	---	---	1,600	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
PW-3	01/16/03	---	<300	---	---	<100	---	---	---	---	---	---	---	---	---	---	
PW-3	04/08/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	0.73	<0.50	---	---	---	---	
PW-3	07/07/03	---	---	---	---	---	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---	
PW-3	10/07/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	2.6	<0.50	---	---	---	---	
PW-3	04/21/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
PW-3	07/13/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
PW-3	11/03/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
PW-3	05/06/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	0.53	<0.50	---	---	---	---	
PW-3	11/03/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
PW-3	05/03/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
PW-3	12/06/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	1.1	<0.50	---	---	---	---	
PW-3	05/02/07	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
PW-3	11/15/07	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
PW-3	04/17/08	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
PW-3	10/17/08	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
PW-3	04/20/09	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	0.64	<0.50	<10	<1	<1	<1	
PW-3	10/21/09	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	0.86	<0.50	<10	<1	<1	<1	
PW-3	05/26/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	1.3	<0.50	<10	<1	<1	<1	
PW-3	10/06/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	
PW-3	04/12/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	1.4	<0.50	<10	1.0	<1	<1	
PW-3	10/11/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	
PW-3	04/18/12	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1	
PW-3	10/17/12	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1	
PW-3	04/10/13	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1	
PW-3	10/09/13	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1	
PZ-1	11/27/96	---	---	---	---	---	79	16	140	49	15	610	---	---	---	---	
PZ-1	07/16/97	---	220	<500	---	---	<0.50	<0.50	13	<1	3.0	480	---	---	---	---	
PZ-1	01/06/98	---	<100	<500	---	---	<0.50	<0.50	<0.50	<1.5	1.3	17	---	---	---	---	
PZ-1	05/26/98	---	400	---	---	---	<5	<5	<5	<10	<5	370	---	---	---	---	
PZ-1	11/16/98	---	516	---	---	<100	110	67	8.0	38	7.2	320	---	---	---	---	
PZ-1	05/06/99	---	2,000	<500	---	---	500	<2	13	120	<5	230	---	---	---	---	
PZ-1	11/17/99	---	<300	---	---	<100	<2.5	<2.5	<2.5	<2.5	<2.5	210	---	---	---	---	
PZ-1	05/17/00	---	350	---	---	740	51	<2.5	2.7	<2.5	<2.5	250	---	---	---	---	
PZ-1	11/29/00	---	390	---	---	720	79	<2.5	<2.5	<2.5	<2.5	260	---	---	---	---	
PZ-1	05/08/01	---	<300	---	---	380	15	<0.50	<0.50	<0.50	<0.50	330	---	---	---	---	
PZ-1	11/06/01	---	550	---	---	140	8.4	<0.50	<0.50	0.70	1.4	470	---	---	---	---	
PZ-1	04/09/02	---	<300	---	---	<100	<2.5	<2.5	<2.5	<2.5	<2.5	270	---	---	---	---	
PZ-10	08/01/03	---	6,300	---	---	1,800	710	130	150	890	<10	47	---	---	---	---	
PZ-10	10/07/03	---	6,200	---	---	1,900	1,000	21	230	600	<10	55	---	---	---	---	
PZ-10	01/27/04	---	3,100	---	---	1,800	560	5.4	63	201	<5	28	---	---	---	---	
PZ-10	04/22/04	---	11,000	---	---	8,300	2,100	29	470	1,490	<20	110	---	---	---	---	
PZ-10	07/19/04	---	4,800	---	---	2,500	890	<5	210	278	<10	45	---	---	---	---	
PZ-10	11/03/04	---	4,600	---	---	2,800	920	9.1	280	580	<10	50	---	---	---	---	
PZ-10	02/03/05	---	1,000	---	---	1,200	250	1.4	34	108	<2	42	---	---	---	---	
PZ-10	05/04/05	---	<50	---	---	350	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
PZ-10	08/01/05	---	<50	---	---	<100	0.71	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
PZ-10	11/02/05	---	<100	---	---	220	<0.50	<0.50	<0.50	<0.50	<1	<0.50	---	---	---	---	
PZ-10	02/27/06	---	<200	---	---	1,600	<1	<1	<1	<1	<2	6.1	---	---	---	---	
PZ-10	05/09/06	---	<1000	---	---	1,600	5.1	<5	<5	<5	<10	36	---	---	---	---	
PZ-10	09/20/06	---	<200	---	---	640	<1	<1	<1	<1	<2	3.6	---	---	---	---	
PZ-10	12/06/06	---	<500	---	---	2,400	<2.5	<2.5	<2.5	<2.5	<5	5.5	---	---	---	---	
PZ-10	03/13/07	---	<500	---	---	1,100	<2.5	<2.5	<2.5	<2.5	<5	<2.5	---	---	---	---	
PZ-10	05/03/07	---	<1000	---	---	7,100	6.1	<5	<5	<5	<10	<5	---	---	---	---	
PZ-10	08/30/07	---	<200	---	---	1,000	<1	<1	<1	<1	<2	<1	---	---	---	---	
PZ-10	11/14/07	---	<50	---	---	360	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
PZ-10	02/21/08	---	<200	---	---	510	65	<1	3.1	9.4	<2	<1	---	---	---	---	
PZ-10	04/16/08	---	950	---	---	670	360	5.0	20	85	<5	11	---	---	---	---	
PZ-10	10/16/08	---	<200	---	---	1,100	18	<1	<1	<1	<2	1.7	---	---	---	---	
PZ-10	04/20/09	---	560	---	---	2,600	26	<1	3.2	<1	<2	12	38	5.2	<2	<2	
PZ-10	07/21/09	---	<200	---	---	1,700	1.4	<1	<1	<1	<2	9.6	55	3.1	<2	<2	
PZ-10	10/22/09	---	<200	---	---	1,200	<1	<1	<1	<1	<2	4.4	30	<2	<2	<2	
PZ-10	05/27/10	---	<100	---	---	940	0.92	<0.50	<0.50	<0.50	<1	1.4	<10	<1	<1	<1	
PZ-10	10/07/10	---	<100	---	---	<830	<0.50	<0.50	<0.50	<0.50	<1	<0.50	<10	<1	<1	<1	
PZ-10	04/13/11	---	<200	---	---	910	2.8	<1	<1	<1	<2	<1	<20	2.2	<2	<2	
PZ-10	04/19/12	---	< 200	570	---	---	4.9	< 1	< 1	< 1	< 2	< 1	39	3.4	< 2	< 2	
PZ-10	10/17/12	---	< 500	970	---	---	32	< 2.5	< 2.5	< 2.5	< 5	< 2.5	< 50	6.4	< 5	< 5	
PZ-2	04/11/13	---	210	940	---	---	9.9	< 1	13	< 1	< 2	< 1	< 20	< 2	< 2	< 2	
PZ-2	10/11/13	---	400	580	---	---	9	< 0.5	1.3	2	< 1	< 0.5	23	< 1	< 1	< 1	
PZ-3	04/22/04	---	---	---	---	56,000	6,300	<1500	4,100	24,000	---	<25000	---	---	---	---	



TABLE 6

Historical Analytical Results for TPH, BTEX, 1-2 DCA, MTBE, TBA, DIPE, ETBE, AND TAME in Groundwater - November 1996 through October 2013

Defense Fuel Support Point, Norwalk, California

Well	Date Sampled	TPH as JP-5 <sup>1</sup>	TPH as Gasoline	TPH as Diesel	TPH as JP-4 <sup>2</sup>	TPH as FP <sup>3</sup>	Benzene	Toulene	Ethylbenzene	Total Xylenes	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>
Results reported in micrograms per liter (µg/L)																
PZ-3	04/22/09	2,200	---	---	---	---	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<50	<10	<10	<10
PZ-3	04/15/10	1,600	---	---	---	---	2.2	<0.50	<0.50	<0.50	<0.50	0.74	<10	<2	<2	<2
PZ-3	10/08/10	430	---	---	---	---	0.60	---	---	---	<0.50	0.69	<10	---	---	---
PZ-3	04/14/11	2,700	---	---	---	---	1.3	<0.50	<0.50	<0.50	<0.50	0.71	<10	<2	<2	<2
PZ-3	10/14/11	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
PZ-3	04/19/12	590	---	---	---	---	0.68	< 0.50	< 0.50	0.26 J	< 0.50	0.52	6.6 J	< 2.0	< 2.0	< 2.0
PZ-3	10/19/12	5,900	---	---	---	---	280	< 0.50	150	362	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
PZ-3	10/09/13	---	2100	10000 J	---	---	53	0.25 J	44	95.3	< 0.50	1.6	< 10	< 2.0	< 2.0	< 2.0
PZ-3 DUP	10/19/12	5,900	---	---	---	---	270	< 0.50	140	342	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
PZ-5	10/07/03	---	6,900	---	---	<100	11	<10	<10	<10	<20	9,100	---	---	---	---
PZ-5	05/05/05	---	<50	---	---	<100	0.87	<0.50	<0.50	<0.50	<0.50	43	---	---	---	---
PZ-5	11/02/05	---	1,200	---	---	<100	<2.5	<2.5	<2.5	<2.5	<5	2,100	---	---	---	---
PZ-5	02/28/06	---	160	---	---	<100	<0.50	<0.50	<0.50	<0.50	<1	380	---	---	---	---
PZ-5	05/04/06	---	1,200	---	---	<100	<2	<2	<2	<2	<4	1,900	---	---	---	---
PZ-5	09/19/06	---	480	---	---	<100	<1	<1	<1	<1	<2	1,200	---	---	---	---
PZ-5	12/07/06	---	480	---	---	<100	<1.5	<1.5	<1.5	<1.5	<3	960	---	---	---	---
PZ-5	03/13/07	---	320	---	---	<100	<1	<1	<1	<1	<2	690	---	---	---	---
PZ-5	05/04/07	---	400	---	---	<100	<0.50	<0.50	<0.50	<0.50	<1	610	---	---	---	---
PZ-5	08/29/07	---	380	---	---	<100	<1	<1	<1	<1	<2	480	---	---	---	---
PZ-5	11/15/07	---	370	---	---	<100	<0.50	<0.50	<0.50	<0.50	<1	470	---	---	---	---
PZ-5	02/20/08	---	940	---	---	560	<1	<1	<1	<1	<2	750	---	---	---	---
PZ-5	04/15/08	---	750	---	---	330	<1	<1	<1	<1	<2	740	---	---	---	---
PZ-5	08/12/08	---	1,500	---	---	370	<2	<2	<2	<2	<4	2,000	---	---	---	---
PZ-5	10/16/08	---	<3000	---	---	210	22	<15	<15	<15	<30	1,900	---	---	---	---
PZ-5	02/24/09	---	1,000	---	---	440	61	<1	<1	<1	<2	1,200	37,000	---	---	---
PZ-5	02/24/09	---	1,200	---	---	760	250	<2	5.7	<2	<4	1,200	35,000	<4	<4	<4
PZ-5	04/23/09	---	1,200	---	---	760	250	<2	5.7	<2	<4	1,200	35,000	<4	<4	<4
PZ-5	07/22/09	---	3,800	---	---	1,800	2,000	20	98	77	<5	800	54,000	<5	<5	<5
PZ-5	10/23/09	---	2,900	---	---	1,300	1,100	18	53	69	<10	500	50,000	<10	<10	<10
PZ-5	03/16/10	---	1,700	---	---	890	370	2.1	33	9.4	<4	350	58,000	<4	<4	<4
PZ-5	04/16/10	---	1,600	---	---	1,100	110	<2.5	9.7	4.6	<5	340	91,000	<5	<5	<5
PZ-5	05/27/10	---	3200000	---	---	1,300	1,100	<25	66	<25	<50	360	69,000	<50	<50	<50
PZ-5	07/14/10	---	4600	---	---	1300	1900	<10	180	<10	<20	530	82000	<20	<20	<20
PZ-5	08/12/10	---	9100	---	---	1600	4400	<5	340	42	<10	490	64000	<10	<10	<10
PZ-5	09/20/10	---	8500	---	---	1800	4200	2.8	110	12	<4	370	43000	<4	<4	<4
PZ-5	10/07/10	---	6300	---	---	1000	3100	<20	56	<20	<40	150	40000	<40	<40	<40
PZ-5	11/16/10	---	3400	---	---	1600	1600	<10	10	15	<20	130	20000	<20	<20	<20
PZ-5	12/22/10	---	3400	---	---	1700	1600	<10	<10	<10	<20	100	22000	<20	<20	<20
PZ-5	01/12/11	---	<4000	---	---	1200	1500	<5	<5	<5	<10	130	38000	<10	<10	<10
PZ-5	02/24/11	---	1400	---	---	400	390	<2	<2	3.8	<4	84	27000	<4	<4	<4
PZ-5	03/23/11	---	1,100	---	---	820	210	<1	<1	2.4	<2	140	29,000	<2	<2	<2
PZ-5	04/13/11	---	830	---	---	520	59	<1	<1	<1	<2	120	28,000	<2	<2	<2
PZ-5	05/13/11	---	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	---	3,300	---	---	1,200	1,500	16	50	77	<20	110	34,000	<20	<20	<20
PZ-5	08/19/11	---	2,600	---	---	1,200	750	9.0	63	45	<10	150	47,000	<10	<10	<10
PZ-5	09/22/11	---	4,700	---	---	1,400	1,600	33	100	200	<20	200	64,000	<20	<20	<20
PZ-5	10/14/11	---	4,600	---	---	1,500	1,500	31	130	190	<10	170	58,000	<10	<10	<10
PZ-5	11/28/11	---	4,600	---	---	1,500	1,700	18	150	140	<20	220	61,000	<20	<20	<20
PZ-5	12/21/11	---	5,900	---	---	2,000	2,200	57	160	390	<20	190	61,000	<20	<20	<20
PZ-5	01/10/12	---	5,400	---	---	1,900	2,000	44	140	330	< 20	200	38,000	< 20	< 20	< 20
PZ-5 DUP	01/10/12	---	4,800	---	---	2,200	1,800	42	130	290	< 20	190	34,000	< 20	< 20	< 20
PZ-5	02/23/12	---	8,400	---	---	1,700	3,300	86	280	760	< 40	370	29,000	< 40	< 40	< 40
PZ-5 DUP	02/23/12	---	7,400	---	---	2,600	3,200	82	220	650	< 40	360	29,000	< 40	< 40	< 40
PZ-5	03/28/12	---	4,100	270	---	---	1,800	20	100	170	< 20	150	29,000	< 20	< 20	< 20
PZ-5 DUP	03/28/12	---	4,100	210	---	---	1,800	20	100	160	< 20	150	31,000	< 20	< 20	< 20
PZ-5	04/19/12	---	2,900	260	---	---	1,300	< 10	97	20	< 20	140	58,000	< 20	< 20	< 20
PZ-5 DUP	04/19/12	---	2,900	290	---	---	1,300	< 10	99	21	< 20	140	59,000	< 20	< 20	< 20
PZ-5	05/25/12	---	7,500	340	---	---	3,700	42	210	250	< 30	240	68,000	< 30	< 30	< 30
PZ-5 DUP	05/25/12	---	< 10000	380	---	---	4,200	< 50	200	230	< 100	220	65,000	< 100	< 100	< 100
PZ-5	06/15/12	---	< 10000	440	---	---	4,500	60	190	320	< 100	500	75,000	< 100	< 100	< 100
PZ-5 DUP	06/15/12	---	< 10000	430	---	---	4,500	60	190	320	< 100	510	76,000	< 100	< 100	< 100
PZ-5	07/10/12	---	7,600	360	---	---	3,400	31	150	200	< 20	700	66,000	< 20	< 20	< 20
PZ-5	08/29/12	---	4,500	900	---	---	2,300	17	110	66	< 20	1,000	140,000	< 20	< 20	< 20
PZ-5	09/26/12	---	6,200	390	---	---	2,000	25	160	110	< 20	1,500	67,000	< 20	< 20	< 20
PZ-5 DUP	09/26/12	---	7,100	430	---	---	2,400	32	160	120	< 20	2,100	75,000	< 20	< 20	< 20
PZ-5	10/18/12	---	9,900	520	---	---	3,300	55	200	180	< 80	5,600	83,000	< 80	< 80	< 80
PZ-5 DUP	10/18/12	---	12,000	520	---	---	4,400	51	290	190	< 50	7,000	110,000	< 50	< 50	< 50
PZ-5	01/15/13	---	9400	1400	---	---	3900	41	200	100	< 50	4800	100000	< 50	< 50	< 50
PZ-5	04/11/13	---	10000	2300	---	---	4100	37	300	140	< 40	4800	83000	< 40	< 40	< 40
PZ-5	10/11/13	---	49000	6200	---	---	11000	< 100	590	250	< 200	32000	210000	< 200	< 200	< 200
PZ-5 DUP	10/11/13	---	57000	6200	---	---	12000	150	1300	860	< 200	27000	180000	< 200	< 200	< 200
PZ-6	11/30/00	---	<300	---	---	<100	<0.50	0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PZ-6	05/08/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PZ-6	07/08/03	---	---	---	---	---	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---
PZ-6	04/27/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PZ-6	07/08/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	<0.50	---	---	---
PZ-7A	06/13/03	---	340	---	---	<100	<0.50	<0.50	<0.50	<0.50	<1	660	---	---	---	---
PZ-7A	09/24/03	---	160	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	390	---	---	---	---
PZ-7A	10/10/03	---	240	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	340	---	---	---	---
PZ-7A	08/02/05	---	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	4.8	---	---	---	---

TABLE 6

Historical Analytical Results for TPH, BTEX, 1-2 DCA, MTBE, TBA, DIPE, ETBE, AND TAME in Groundwater - November 1996 through October 2013

Defense Fuel Support Point, Norwalk, California

Well	Date Sampled	TPH as JP-5 <sup>1</sup>	TPH as Gasoline	TPH as Diesel	TPH as JP-4 <sup>2</sup>	TPH as FP <sup>3</sup>	Benzene	Toulene	Ethylbenzene	Total Xylenes	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>	
Results reported in micrograms per liter (µg/L)																	
PZ-7B	06/13/03	---	98	---	---	<100	<0.50	<0.50	<0.50	<0.50	0.51	51	---	---	---	---	
PZ-7B	09/24/03	---	61	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	67	---	---	---	---	
PZ-7B	10/10/03	---	90	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	2.3	---	---	---	---	
PZ-7B	08/02/05	---	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
PZ-8A	06/13/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	12	---	---	---	---	
PZ-8A	09/24/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	1.7	---	---	---	---	
PZ-8A	10/10/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	2.8	---	---	---	---	
PZ-8A	08/02/05	---	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
PZ-8A	12/06/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
PZ-8B	06/13/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	31	---	---	---	---	
PZ-8B	09/24/03	---	86	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	180	---	---	---	---	
PZ-8B	10/10/03	---	310	---	---	<100	<0.50	<0.50	<0.50	<0.50	<1	440	---	---	---	---	
PZ-8B	08/02/05	---	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
PZ-8B	12/06/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
PZ-9A	06/13/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
PZ-9A	09/24/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
PZ-9A	10/10/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
PZ-9A	08/02/05	---	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
PZ-9B	06/13/03	---	75	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
PZ-9B	09/24/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	7.9	---	---	---	---	
PZ-9B	10/10/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	3.9	---	---	---	---	
PZ-9B	08/02/05	---	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
TF-14	09/18/03	---	---	---	---	20,000	210	<2.5	62	89	<2.5	<2.5	---	---	---	---	
TF-14	02/21/04	---	---	---	12,000	---	370	<1	130	126	---	1.2	---	---	---	---	
TF-16	04/14/03	---	---	---	---	4,450	24	5.0	15	17	---	9.5	---	---	---	---	
TF-16	09/18/03	---	---	---	---	59,000	280	8.3	24	211	<0.50	9.1	---	---	---	---	
TF-16	10/11/03	---	---	---	---	7,400	150	7.0	27	91	---	<25	---	---	---	---	
TF-16	02/21/04	---	---	---	48,000	---	120	2.4	23	89	---	5.6	---	---	---	---	
TF-16	04/21/04	---	---	---	---	23,000	200	30	40	320	---	4.6	---	---	---	---	
TF-16	11/04/04	---	---	---	---	16,000	180	4.0	20	320	---	<10	---	---	---	---	
TF-16	05/06/05	---	---	---	---	27,000	43	10	4.6	73	---	<25	---	---	---	---	
TF-16	11/08/05	---	---	---	---	4,200	25	0.86	3.4	20	---	8.5	---	---	---	---	
TF-16	05/04/06	---	---	---	---	33,000	52	0.89	10	49	---	<5	---	---	---	---	
TF-16	12/08/06	---	---	---	---	3,500	28	<0.50	1.5	3.0	---	<5	---	---	---	---	
TF-16	05/04/07	---	---	---	---	13,000	520	<2.5	5.4	10	---	<25	---	---	---	---	
TF-16	11/15/07	---	---	---	---	5,200	450	<0.50	<0.50	<1	---	9.3	---	---	---	---	
TF-16	04/17/08	---	---	---	---	4,300	570	1.3	3.2	4.1	---	<10	---	---	---	---	
TF-16	10/16/08	3,100	---	---	---	---	330	<2.5	<2.5	<2.5	<2.5	6.3	<50	<10	<10	<10	
TF-16	04/24/09	2,200	---	---	---	---	24	<0.50	<0.50	<0.50	<0.50	4.1	11	<2	<2	<2	
TF-16	10/26/09	960	---	---	---	---	7.6	<0.50	0.34 J	<0.50	<0.50	3.9	11	<2	<2	0.35 J	
TF-16	04/15/10	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	870	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
TF-16	04/22/11	---	---	---	---	---	40	<0.50	1.1	0.80	<0.50	3.4	11	<2	<2	0.39 J	
TF-16	04/19/12	2,100	2,100	---	---	---	10	<0.50	0.83	0.67 J	<0.50	3.4	17	<2.0	<2.0	0.67 J	
TF-16	04/11/13	---	1200 J	2500 J	---	---	180	<0.50	1.5	1.08 J	<0.50	4.8	6 J	<2.0	<2.0	<2.0	
TF-16	10/08/13	---	860 J	2300 J	---	---	170	<0.50	1.1	0.58 J	<0.50	4.2	8.5 J	<2.0	<2.0	0.64 J	
TF-17	10/09/13	---	18000 J	32000 J	---	---	33	<2.5	<2.5	<2.5	<2.5	<2.5	<50	<10	<10	<10	
TF-21	04/10/03	---	---	---	---	476	267	1.6	8.1	9.8	---	<3	---	---	---	---	
TF-21	09/18/03	---	---	---	---	1,800	560	<5	5.6	<5	<5	<5	---	---	---	---	
TF-21	10/08/03	---	---	---	---	2,500	390	<0.60	4.2	<0.60	---	<10	---	---	---	---	
TF-21	02/21/04	---	---	---	1,500	---	820	<2.5	<2.5	<2.5	---	3.6	---	---	---	---	
TF-21	04/21/04	---	---	---	---	2,000	550	<1	1.6	<1	---	2.7	---	---	---	---	
TF-21	11/04/04	---	---	---	---	860	10	<0.30	<0.30	1.2	---	<5	---	---	---	---	
TF-21	05/05/05	---	---	---	---	3,600	190	13	45	310	---	<100	---	---	---	---	
TF-21	11/05/05	---	---	---	---	2,200	140	0.61	3.7	39	---	6.1	---	---	---	---	
TF-21	05/03/06	---	---	---	---	3,200	140	4.3	3.9	10	---	5.1	---	---	---	---	
TF-21	12/06/06	---	---	---	---	1,100	44	<0.50	<0.50	5.0	---	<5	---	---	---	---	
TF-21	05/04/07	---	---	---	---	3,200	80	0.93	0.86	2.2	---	7.2	---	---	---	---	
TF-21	11/16/07	---	---	---	---	790	170	<0.50	<0.50	<1	---	<5	---	---	---	---	
TF-21	04/17/08	---	---	---	---	980	190	<0.50	4.4	2.4	---	<5	---	---	---	---	
TF-21	10/15/08	810	---	---	---	---	37	<0.50	<0.50	<0.50	<0.50	1.0	23	<2	<2	<2	
TF-21	04/24/09	350	---	---	---	---	40	<0.50	<0.50	<0.50	<0.50	<0.50	18	<2	<2	<2	
TF-21	10/26/09	960	---	---	---	---	50	<0.50	0.46 J	<0.50	<0.50	0.74	19	<2	<2	<2	
TF-21	04/16/10	1,100	---	---	---	---	120	0.37 J	1.1	1.2	---	<0.50	15	<2	<2	<2	
TF-21	04/15/11	2,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
TF-21	04/22/11	---	---	---	---	---	160	<0.50	1.4	3.1	<0.50	0.71	20	<2	<2	<2	
TF-21	04/20/12	1,900	1,600	---	---	---	280	0.27 J	1.7	0.88 J	<0.50	0.99	24	<2.0	<2.0	<2.0	
TF-21	04/12/13	---	590 J	2700	---	---	130	<0.50	0.5	0.74 J	<0.50	4.1	13	<2.0	<2.0	<2.0	
TF-21	10/08/13	---	810 J	2200 J	---	---	320	<0.50	0.59	0.74 J	<0.50	7.2	17	<2.0	<2.0	<2.0	
TF-24	10/10/13	---	<100	1500 J	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.4 J	<10	<2.0	<2.0	<2.0	
TF-8	09/18/03	---	---	---	---	<100	1.2	<0.50	0.77	2.7	<0.50	24	---	---	---	---	
TF-8	02/21/04	---	---	---	520	---	3.2	<0.50	<0.50	1.4	---	46	---	---	---	---	
TF-8	10/10/13	---	<100	490 J	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.53	<10	<2.0	<2.0	<2.0	
TF-9	10/10/13	---	960 J	2200 J	---	---	2.1	0.27 J	0.8	0.8 J	<0.50	<0.50	32	<2.0	<2.0	<2.0	
WCW-1	11/25/96	---	<50	<500	<500	---	<0.50	<0.50	<0.50	<1.5	0.60	<5	---	---	---	---	
WCW-1	07/15/97	---	<100	<500	---	---	<0.50	<0.50	<0.50	<1	<0.50	<5	---	---	---	---	
WCW-1	01/05/98	---	<500	<100	<100	---	<0.50	<0.50	<0.50	<1	<0.						



TABLE 6

Historical Analytical Results for TPH, BTEX, 1-2 DCA, MTBE, TBA, DIPE, ETBE, AND TAME in Groundwater - November 1996 through October 2013

Defense Fuel Support Point, Norwalk, California

Well	Date Sampled	TPH as JP-5 <sup>1</sup>	TPH as Gasoline	TPH as Diesel	TPH as JP-4 <sup>2</sup>	TPH as FP <sup>3</sup>	Benzene	Toulene	Ethylbenzene	Total Xylenes	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>	
Results reported in micrograms per liter (µg/L)																	
WCW-1	05/06/99	---	<500	<500	---	---	2.1	9.8	0.80	4.4	<1	<0.50	---	---	---	---	
WCW-1	08/10/99	---	<500	<1000	---	---	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---	
WCW-1	11/18/99	---	<300	---	---	<100	<0.50	<1	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-1	02/28/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-1	05/19/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-1	08/28/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	0.50	<0.50	---	---	---	---	
WCW-1	11/30/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-1	02/05/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-1	05/10/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-1	09/18/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-1	11/08/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-1	01/30/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-1	04/11/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-1	10/24/02	---	<300	---	---	<100	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---	
WCW-1	10/11/03	---	<100	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	1.5	---	---	---	---	
WCW-1	05/06/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-1	05/03/07	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-1	11/13/07	---	<100	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
WCW-1	04/18/08	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-1	04/21/09	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	
WCW-1	05/25/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	
WCW-1	04/11/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	
WCW-1	04/17/12	---	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1	<1	<1	
WCW-10	11/25/96	---	<50	<500	<500	---	<0.50	<0.50	<0.50	<1.5	<0.50	<5	---	---	---	---	
WCW-10	07/08/97	---	<100	<500	---	---	<0.50	2.2	<0.50	<1	<0.50	<5	---	---	---	---	
WCW-10	01/05/98	---	<500	<100	<100	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---	
WCW-10	05/19/98	---	---	---	---	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---	
WCW-10	11/04/98	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-10	05/05/99	---	<500	<500	---	---	<0.50	0.80	<0.50	<0.50	<1	<0.50	---	---	---	---	
WCW-10	11/17/99	---	<300	---	---	<100	<0.50	<0.50	<0.50	0.80	<0.50	<0.50	---	---	---	---	
WCW-10	05/19/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-10	11/30/00	---	<300	---	---	<100	1.0	<0.50	<0.50	0.70	<0.50	<0.50	---	---	---	---	
WCW-10	05/10/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-10	11/08/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-10	04/09/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-11	11/25/96	---	<50	<500	<500	---	<0.50	<0.50	<0.50	<1.5	<0.50	<5	---	---	---	---	
WCW-11	07/08/97	---	<100	<500	---	---	<0.50	2.5	<0.50	<1	<0.50	<5	---	---	---	---	
WCW-11	01/05/98	---	<500	<100	<100	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---	
WCW-11	05/18/98	---	---	---	---	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---	
WCW-11	11/03/98	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-11	05/06/99	---	<500	<500	---	---	<0.50	<0.50	<0.50	<0.50	<1	<0.50	---	---	---	---	
WCW-11	11/17/99	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-11	05/18/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-11	11/30/00	---	<300	---	---	<100	0.80	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-11	05/09/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-11	11/08/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-11	04/09/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-12	11/25/96	---	<50	<500	<500	---	<0.50	<0.50	<0.50	<1.5	<0.50	<5	---	---	---	---	
WCW-12	07/08/97	---	<100	<500	---	---	<0.50	2.5	<0.50	<1	<0.50	<5	---	---	---	---	
WCW-12	01/05/98	---	<500	<100	<100	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---	
WCW-12	05/18/98	---	---	---	---	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---	
WCW-12	11/03/98	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-12	05/06/99	---	<500	<500	---	---	1.4	5.3	<0.50	2.3	<1	<0.50	---	---	---	---	
WCW-12	11/17/99	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-12	05/18/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-12	11/30/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-12	05/09/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-12	11/08/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-12	04/09/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-12	10/24/02	---	<300	---	---	<100	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---	
WCW-12	04/09/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-12	05/10/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-12	11/03/04	---	<100	---	---	3,600	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
WCW-12	03/02/05	---	<100	---	---	<100	<0.50	<1	<1	<1	---	<1	---	---	---	---	
WCW-12	05/05/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-12	11/05/05	---	<100	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
WCW-12	05/05/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-12	12/08/06	---	<100	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
WCW-12	05/01/07	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-12	11/13/07	---	<100	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
WCW-12	04/18/08	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-12	10/17/08	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
WCW-12	04/21/09	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	
WCW-12	10/27/09	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
WCW-12	05/24/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	
WCW-12	10/07/10	<100	<100	---	---	---	<0.50	---	---	---	<0.50	<0.50	<10	---	---	---	
WCW-12	04/11/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	
WCW-12	10/14/11	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
WCW-12	04/17/12	---	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1	<1	<1	
WCW-12	10/18/12	<100	---	---	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<10	<2.0	<2.0	<2.0	
WCW-12	04/09/13</																

TABLE 6

Historical Analytical Results for TPH, BTEX, 1-2 DCA, MTBE, TBA, DIPE, ETBE, AND TAME in Groundwater - November 1996 through October 2013

Defense Fuel Support Point, Norwalk, California

Well	Date Sampled	TPH as JP-5 <sup>1</sup>	TPH as Gasoline	TPH as Diesel	TPH as JP-4 <sup>2</sup>	TPH as FP <sup>3</sup>	Benzene	Toulene	Ethylbenzene	Total Xylenes	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>	
Results reported in micrograms per liter (µg/L)																	
WCW-12	10/08/13	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1	
WCW-13	11/25/96	---	<50	<500	<500	---	<0.50	<0.50	<0.50	<1.5	<0.50	<5	---	---	---	---	
WCW-13	07/09/97	---	<100	<500	---	---	<0.50	<0.50	<0.50	<1	<0.50	<5	---	---	---	---	
WCW-13	01/05/98	---	<500	<100	<100	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---	
WCW-13	05/18/98	---	---	---	---	---	<0.50	<0.50	<0.50	<1	<0.50	1.4	---	---	---	---	
WCW-13	11/03/98	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-13	05/06/99	---	<500	<500	---	---	0.88	3.1	<0.50	0.87	<1	<0.50	---	---	---	---	
WCW-13	11/17/99	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-13	05/18/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	0.80	<0.50	---	---	---	---	
WCW-13	08/28/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-13	11/30/00	---	<300	---	---	<100	0.60	<0.50	<0.50	<0.50	1.0	<0.50	---	---	---	---	
WCW-13	02/05/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-13	05/09/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	0.60	<0.50	---	---	---	---	
WCW-13	09/18/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	1.0	<0.50	---	---	---	---	
WCW-13	11/08/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-13	01/30/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-13	04/09/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-13	07/30/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-13	10/24/02	---	<300	---	---	<100	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---	
WCW-13	01/28/03	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-13	04/09/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-13	07/30/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-13	01/28/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-13	05/10/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-13	07/20/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-13	11/03/04	---	<100	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
WCW-13	02/03/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-13	05/05/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-13	08/02/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-13	11/05/05	---	<100	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
WCW-13	02/28/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-13	05/05/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-13	09/20/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-13	12/08/06	---	<100	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
WCW-13	03/13/07	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-13	05/01/07	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-13	08/28/07	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-13	11/13/07	---	<100	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
WCW-13	02/21/08	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-13	04/18/08	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-13	08/13/08	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-13	10/17/08	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
WCW-13	02/23/09	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-13	04/21/09	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	
WCW-13	07/20/09	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	
WCW-13	10/27/09	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
WCW-13	03/15/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	
WCW-13	05/24/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	
WCW-13	07/12/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	
WCW-13	10/08/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	
WCW-13	01/10/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	
WCW-13	04/11/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	
WCW-13	07/11/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	
WCW-13	10/11/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	
WCW-13	01/09/12	---	< 50	---	---	< 100	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1	
WCW-13	04/17/12	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1	
WCW-13	07/09/12	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1	
WCW-13	10/16/12	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1	
WCW-13	01/14/13	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1	
WCW-13	04/09/13	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1	
WCW-13	10/09/13	---	< 50	< 100	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1	
WCW-14	11/03/98	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	1.5	<0.50	---	---	---	---	
WCW-14	05/06/99	---	<500	<500	---	---	1.8	6.6	0.55	3	<1	<0.50	---	---	---	---	
WCW-14	11/17/99	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-14	05/18/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-14	11/30/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-14	05/09/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-14	11/08/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-14	04/09/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
WCW-14	10/24/02	---	<300	---	---	<100	<0.50	<1									

TABLE 6

Historical Analytical Results for TPH, BTEX, 1-2 DCA, MTBE, TBA, DIPE, ETBE, AND TAME in Groundwater - November 1996 through October 2013

Defense Fuel Support Point, Norwalk, California

Well	Date Sampled	TPH as JP-5 <sup>1</sup>	TPH as Gasoline	TPH as Diesel	TPH as JP-4 <sup>2</sup>	TPH as FP <sup>3</sup>	Benzene	Toulene	Ethylbenzene	Total Xylenes	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>
Results reported in micrograms per liter (µg/L)																
WCW-14	04/21/09	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-14	10/27/09	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-14	05/25/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-14	10/07/10	<100	<100	---	---	---	<0.50	---	---	---	<0.50	<0.50	<10	---	---	---
WCW-14	04/12/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-14	10/14/11	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-14	04/17/12	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
WCW-14	10/18/12	< 100	---	---	---	---	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
WCW-14	04/09/13	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
WCW-14	10/08/13	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
WCW-2	11/25/96	---	<50	<500	<500	---	<0.50	<0.50	<0.50	<1.5	<1.7	<5	---	---	---	---
WCW-2	07/08/97	---	<100	<500	---	---	<0.50	3.5	1.4	7.4	0.57	<5	---	---	---	---
WCW-2	01/05/98	---	<500	<100	<100	---	<0.50	<0.50	<0.50	<1	1	<0.50	---	---	---	---
WCW-2	05/19/98	---	<300	---	---	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
WCW-2	08/25/98	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-2	11/04/98	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-2	02/02/99	---	<500	<500	---	---	<0.50	<0.50	<0.50	<1	<1	<0.50	---	---	---	---
WCW-2	05/06/99	---	<500	<500	---	---	<0.50	0.8	<0.50	<0.50	<1	<0.50	---	---	---	---
WCW-2	08/10/99	---	<500	<1000	---	---	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---
WCW-2	11/17/99	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-2	02/28/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	2	<0.50	---	---	---	---
WCW-2	05/18/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-2	08/28/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	0.6	<0.50	---	---	---	---
WCW-2	11/30/00	---	<300	---	---	<100	0.6	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-2	02/05/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-2	05/09/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-2	09/18/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-2	11/08/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-2	01/30/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-2	04/09/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-2	10/24/02	---	<300	---	---	<100	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---
WCW-2	04/10/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-2	10/11/03	---	<100	---	---	110	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-2	04/21/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-2	11/03/04	---	<100	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-2	05/05/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-2	11/05/05	---	<100	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-2	05/05/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-2	12/05/06	---	<100	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-2	05/01/07	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-2	11/13/07	---	<100	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-2	04/18/08	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-2	10/17/08	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-2	04/21/09	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-2	10/26/09	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-2	05/24/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-2	10/07/10	<100	<100	---	---	---	<0.50	---	---	---	<0.50	<0.50	<10	---	---	---
WCW-2	04/11/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-2	10/13/11	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-2	04/17/12	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
WCW-2	10/18/12	< 100	---	---	---	---	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0
WCW-2	04/09/13	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
WCW-2	10/08/13	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1
WCW-3	11/25/96	---	120	<500	<500	---	<0.70	<0.50	<0.50	<1.5	190	<5	---	---	---	---
WCW-3	07/15/97	---	100	<500	---	---	<0.50	<0.50	<0.50	<1	190	<5	---	---	---	---
WCW-3	01/05/98	---	<500	200	<100	---	<0.50	<0.50	<0.50	<1	220	<0.50	---	---	---	---
WCW-3	05/23/98	---	<300	---	---	---	<0.50	<0.50	<0.50	<1	201	<0.50	---	---	---	---
WCW-3	08/26/98	---	<300	---	---	304	<2.5	<2.5	<2.5	<2.5	200	<2.5	---	---	---	---
WCW-3	11/03/98	---	<300	---	---	228	<0.50	<0.50	<0.50	<0.50	190	<0.50	---	---	---	---
WCW-3	02/03/99	---	<1000	<500	---	---	<1	<1	<1	<2	200	<1	---	---	---	---
WCW-3	05/06/99	---	<500	<500	---	---	<0.50	1.3	<0.50	<0.50	<1	1.1	---	---	---	---
WCW-3	08/10/99	---	<500	<1000	---	---	<0.50	<1	<1	<1	130	1.8	---	---	---	---
WCW-3	11/17/99	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	100	3.3	---	---	---	---
WCW-3	02/28/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	100	<0.50	---	---	---	---
WCW-3	05/18/00	---	<300	---	---	110	<0.50	<0.50	<0.50	<0.50	92	1	---	---	---	---
WCW-3	08/28/00	---	<300	---	---	200	<0.50	<0.50	<0.50	<0.50	90	0.7	---	---	---	---
WCW-3	11/30/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	68	<0.50	---	---	---	---
WCW-3	02/05/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	81	<0.50	---	---	---	---
WCW-3	05/09/01	---	<300	---	---	120	<0.50	<0.50	<0.50	<0.50	63	<0.50	---	---	---	---
WCW-3	09/19/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	69	<0.50	---	---	---	---
WCW-3	11/08/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	51	<0.50	---	---	---	---
WCW-3	01/30/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	34	<0.50	---	---	---	---
WCW-3	04/09/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	29	<0.50	---	---	---	---
WCW-3	07/30/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	47	0.55	---	---	---	---
WCW-3	10/24/02	---	<300	---	---	<100	<0.50	<1	<1	<1	39	<1	---	---	---	---
WCW-3	01/28/03	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	44	<0.50	---	---	---	---
WCW-3	04/10/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	34	<0.50	---	---	---	---
WCW-3	07/30/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	23	<0.50	---	---	---	---
WCW-3	10/11/03	---	<100	---	---	<100	<0.50	<0.50	<0.50	<0.50	22	<0.50	---	---	---	---
WCW-3	01/28/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	43	<0.50	---	---	---	---
WCW-3	05/10/04	---	<50	---												



TABLE 6

## Historical Analytical Results for TPH, BTEX, 1-2 DCA, MTBE, TBA, DIPE, ETBE, AND TAME in Groundwater - November 1996 through October 2013

Defense Fuel Support Point, Norwalk, California

Well	Date Sampled	TPH as JP-5 <sup>1</sup>	TPH as Gasoline	TPH as Diesel	TPH as JP-4 <sup>2</sup>	TPH as FP <sup>3</sup>	Benzene	Toulene	Ethylbenzene	Total Xylenes	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>	
Results reported in micrograms per liter (µg/L)																	
WCW-5	05/10/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
WCW-5	11/08/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
WCW-5	04/11/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
WCW-5	10/24/02	---	<300	---	---	<100	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---	---
WCW-5	04/10/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
WCW-5	10/11/03	---	<100	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
WCW-5	05/10/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
WCW-5	11/03/04	---	<100	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2
WCW-5	05/06/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
WCW-5	11/05/05	---	<100	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2
WCW-5	05/05/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
WCW-5	12/05/06	---	<100	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2
WCW-5	05/01/07	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
WCW-5	11/13/07	---	<100	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2
WCW-5	04/18/08	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
WCW-5	10/17/08	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2
WCW-5	04/21/09	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	<1
WCW-5	10/26/09	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2
WCW-5	05/25/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	<1
WCW-5	10/07/10	<100	<100	---	---	---	<0.50	---	---	---	<0.50	<0.50	<10	---	---	---	---
WCW-5	04/11/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	<1
WCW-5	10/14/11	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2
WCW-5	04/17/12	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1	< 1
WCW-5	10/18/12	< 100	---	---	---	---	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0	< 2.0
WCW-5	04/09/13	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1	< 1
WCW-5	10/08/13	---	< 50	130	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1	< 1
WCW-6	11/22/96	---	230	<500	<500	---	<0.50	<0.50	<0.50	<1.5	220	24	---	---	---	---	---
WCW-6	07/15/97	---	<100	<500	---	---	<0.50	<0.50	<0.50	<1	65	10	---	---	---	---	---
WCW-6	01/05/98	---	<500	<100	<100	---	<0.50	<0.50	<0.50	<1	159	3	---	---	---	---	---
WCW-6	05/26/98	---	<300	---	---	---	<0.50	<0.50	<0.50	<1	83	2	---	---	---	---	---
WCW-6	11/04/98	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	46	1.8	---	---	---	---	---
WCW-6	05/06/99	---	<500	<500	---	---	<0.50	<0.50	<0.50	<0.50	53	0.68	---	---	---	---	---
WCW-6	11/17/99	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	11	<0.50	---	---	---	---	---
WCW-6	05/16/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	16	0.7	---	---	---	---	---
WCW-6	11/30/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	2.7	<0.50	---	---	---	---	---
WCW-6	05/09/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	5.7	<0.50	---	---	---	---	---
WCW-6	11/08/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	2.7	<0.50	---	---	---	---	---
WCW-6	04/11/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	1.7	<0.50	---	---	---	---	---
WCW-6	10/24/02	---	<300	---	---	<100	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---	---
WCW-6	04/10/03	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	1.4	<0.50	---	---	---	---	---
WCW-6	10/11/03	---	<100	---	---	<100	<0.50	<0.50	<0.50	<0.50	0.93	<0.50	---	---	---	---	---
WCW-6	05/10/04	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	0.64	<0.50	---	---	---	---	---
WCW-6	11/03/04	---	<100	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2
WCW-6	05/05/05	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
WCW-6	11/05/05	---	<100	---	---	<100	<0.50	<0.50	<0.50	<0.50	1.1	<0.50	<10	<2	<2	<2	<2
WCW-6	05/05/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
WCW-6	12/05/06	---	<100	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2
WCW-6	05/02/07	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
WCW-6	11/13/07	---	<100	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2
WCW-6	04/18/08	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
WCW-6	10/17/08	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2
WCW-6	04/21/09	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	<1
WCW-6	10/26/09	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	<2
WCW-6	05/24/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	<1
WCW-6	10/07/10	<100	<100	---	---	---	<0.50	---	---	---	<0.50	<0.50	<10	---	---	---	---
WCW-6	04/11/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	0.69	<0.50	<10	<1	<1	<1	<1
WCW-6	10/13/11	<100	---	---	---	---	<0.50	<0.50	<0.50	<0.50	0.28 J	<0.50	<10	<2	<2	<2	<2
WCW-6	04/18/12	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1	< 1
WCW-6	10/18/12	< 100	---	---	---	---	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	< 0.50	< 10	< 2.0	< 2.0	< 2.0	< 2.0
WCW-6	04/09/13	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1	< 1
WCW-6	10/09/13	---	< 50	< 50	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 1	< 1	< 1	< 1
WCW-7	11/22/96	---	<50	<500	<500	---	<0.50	<0.50	<0.50	<1.5	31	<5	---	---	---	---	---
WCW-7	07/15/97	---	<100	<500	---	---	<0.50	<0.50	<0.50	<1	<0.50	<5	---	---	---	---	---
WCW-7	01/05/98	---	<500	<100	<100	---	<0.50	<0.50	<0.50	<1	30	<0.50	---	---	---	---	---
WCW-7	05/23/98	---	<300	---	---	---	<0.50	<0.50	<0.50	<1	30	<0.50	---	---	---	---	---
WCW-7	11/04/98	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	35	<0.50	---	---	---	---	---
WCW-7	05/06/99	---	<500	<500	---	---	<0.50	<0.50	<0.50	<0.50	45	<0.50	---	---	---	---	---
WCW-7	11/18/99	---	<300	---	---	190	<0.50	<1	<0.50	0.6	62	1.3	---	---	---	---	---
WCW-7	05/16/00	---	<300	---	---	420	<0.50	<0.50	<0.50	<0.50	120	6.4	---	---	---	---	---
WCW-7	11/30/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	83	6	---	---	---	---	---
WCW-7	02/05/01	---	<300	---	---	230	<0.50	<0.50	<0.50	<0.50	95	6.1	---	---	---	---	---
WCW-7	05/10/01	---	<300	---	---	180	<0.50	<0.50	<0.50	<0.50	91	9.3	---	---	---	---	---
WCW-7	09/18/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	140	12	---	---	---	---	---
WCW-7	11/08/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	91	11	---	---	---	---	---
WCW-7	01/30/02	---	<300	---	---	110	<0.50	<0.50	<0.50	<0.50	84	8.8	---	---	---	---	---
WCW-7	04/11/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	66	8.4	---	---	---	---	---
WCW-7	07/30/02	---	<300	---	---	260	<0.50	<0.50	<0.50	<0.5							

TABLE 6

Historical Analytical Results for TPH, BTEX, 1-2 DCA, MTBE, TBA, DIPE, ETBE, AND TAME in Groundwater - November 1996 through October 2013

Defense Fuel Support Point, Norwalk, California

Well	Date Sampled	TPH as JP-5 <sup>1</sup>	TPH as Gasoline	TPH as Diesel	TPH as JP-4 <sup>2</sup>	TPH as FP <sup>3</sup>	Benzene	Toulene	Ethylbenzene	Total Xylenes	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>
Results reported in micrograms per liter (µg/L)																
WCW-7	10/11/03	---	<100	---	---	260	<0.50	<0.50	<0.50	<0.50	84	9.4	---	---	---	---
WCW-7	01/28/04	---	<100	---	---	<100	<0.50	<0.50	<0.50	<0.50	100	10	---	---	---	---
WCW-7	05/10/04	---	<100	---	---	170	<0.50	<0.50	<0.50	<0.50	73	6.7	---	---	---	---
WCW-7	07/20/04	---	140	---	---	<100	<0.50	<0.50	<0.50	<0.50	110	9	---	---	---	---
WCW-7	11/03/04	---	<100	---	---	330	<0.50	<0.50	<0.50	<0.50	84	11	51	29	<2	<2
WCW-7	02/03/05	---	72	---	---	110	<0.50	<0.50	<0.50	<0.50	91	8.8	---	---	---	---
WCW-7	05/05/05	---	<100	---	---	<100	<0.50	<0.50	<0.50	<0.50	83	6.9	---	---	---	---
WCW-7	08/03/05	---	53	---	---	<100	<0.50	<0.50	<0.50	<0.50	49	14	---	---	---	---
WCW-7	11/05/05	---	<100	---	---	<100	<0.50	<0.50	<0.50	<0.50	14	6.7	<10	2.2	<2	<2
WCW-7	02/28/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	2.5	0.84	---	---	---	---
WCW-7	05/05/06	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	6	2.5	---	---	---	---
WCW-7	09/20/06	---	<100	---	---	<100	<0.50	<0.50	<0.50	<0.50	33	7.2	---	---	---	---
WCW-7	12/05/06	---	<100	---	---	210	<0.50	<0.50	<0.50	<0.50	36	8	<10	4.8	<2	<2
WCW-7	03/13/07	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	32	5.4	---	---	---	---
WCW-7	05/02/07	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	49	6.4	---	---	---	---
WCW-7	08/28/07	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	56	7.1	---	---	---	---
WCW-7	11/14/07	---	<100	---	---	<100	<0.50	<0.50	<0.50	<0.50	50	6.5	<10	9.2	<2	<2
WCW-7	02/21/08	---	<50	---	---	110	<0.50	<0.50	<0.50	<0.50	43	5.9	---	---	---	---
WCW-7	04/18/08	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	54	5.9	---	---	---	---
WCW-7	08/13/08	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	55	5.3	---	---	---	---
WCW-7	10/17/08	100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	45	5.4	<10	12	<2	<2
WCW-7	02/24/09	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	40	2.4	<10	---	---	---
WCW-7	04/22/09	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	40	2.8	<10	6.6	<1	<1
WCW-7	07/21/09	---	<50	---	---	120	<0.50	<0.50	<0.50	<0.50	31	1.9	<10	5.6	<1	<1
WCW-7	10/26/09	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	40	1.8	<10	3.7	<2	<2
WCW-7	03/15/10	---	<50	---	---	130	<0.50	<0.50	<0.50	<0.50	30	1.8	<10	4	<1	<1
WCW-7	05/27/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	23	1.2	<10	3.3	<1	<1
WCW-7	07/13/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	20	1.6	<10	3.4	<1	<1
WCW-7	10/07/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	26	1.7	<10	3.9	<1	<1
WCW-7	01/11/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	25	1.4	<10	3.3	<1	<1
WCW-7	04/13/11	---	<50	---	---	130	<0.50	<0.50	<0.50	<0.50	23	1.4	<10	3.9	<1	<1
WCW-7	07/12/11	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	21	1.2	<10	2.6	<1	<1
WCW-7	10/12/11	---	<500	---	---	120	<0.50	<0.50	<0.50	<0.50	21	1	<10	2.2	<1	<1
WCW-7	01/09/12	---	<50	---	---	100	<0.5	<0.5	<0.5	<0.5	16	1.1	<10	2.1	<1	<1
WCW-7	04/18/12	---	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	18	0.98	<10	2.2	<1	<1
WCW-7	07/10/12	---	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	16	0.84	<10	2.1	<1	<1
WCW-7 DUP	07/10/12	---	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	15	0.71	<10	1.6	<1	<1
WCW-7	10/17/12	---	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	9.2	0.56	<10	1.5	<1	<1
WCW-7	01/14/13	---	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	18	1.2	<10	1.8	<1	<1
WCW-7	04/10/13	---	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	19	0.61	<10	1.3	<1	<1
WCW-7 DUP	04/10/13	---	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	20	<0.5	<10	1.1	<1	<1
WCW-7	10/09/13	---	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	11	0.6	<10	1.4	<1	<1
WCW-8	11/22/96	---	84	<500	<500	---	<0.50	<0.50	<0.50	<1.5	0.5	<5	---	---	---	---
WCW-8	07/15/97	---	<100	1,700	---	---	<0.50	<0.50	<0.50	<1	<0.50	<5	---	---	---	---
WCW-8	01/05/98	---	<500	<100	1,300	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
WCW-8	05/26/98	---	<300	---	---	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
WCW-8	11/03/98	---	<300	---	---	2,590	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-8	05/06/99	---	<500	<500	---	---	<0.50	<0.50	<0.50	<0.50	<1	<0.50	---	---	---	---
WCW-8	11/18/99	---	<300	---	---	1,100	<0.50	<1	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-8	05/16/00	---	<300	---	---	1,500	<0.50	<0.50	<0.50	<0.50	1.8	120	---	---	---	---
WCW-8	08/28/00	---	<300	---	---	1,100	<0.50	<0.50	<0.50	<0.50	0.7	<0.50	---	---	---	---
WCW-8	11/30/00	---	<300	---	---	790	0.9	<0.50	<0.50	0.8	<0.50	<0.50	---	---	---	---
WCW-8	02/05/01	---	<300	---	---	940	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-8	05/09/01	---	<300	---	---	520	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-8	09/18/01	---	<300	---	---	380	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-8	11/08/01	---	<300	---	---	220	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-8	01/30/02	---	<300	---	---	530	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-8	04/11/02	---	<300	---	---	470	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-8	10/24/02	---	<300	---	---	360	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---
WCW-8	04/10/03	---	61	---	---	270	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-8	10/11/03	---	<100	---	---	430	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-8	05/10/04	---	55	---	---	160	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-8	11/03/04	---	<100	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-8	05/05/05	---	<50	---	---	100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-8	11/05/05	---	<100	---	---	210	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-8	05/05/06	---	<50	---	---	110	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-8	12/05/06	---	<100	---	---	450	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-8	05/02/07	---	<50	---	---	160	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-8	11/14/07	---	<100	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-8	04/18/08	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.6	---	---	---	---
WCW-8	10/17/08	230	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<10	<2	<2	<2
WCW-8	04/21/09	---	<50	---	---	210	<0.50	<0.50	<0.50	<0.50	<0.50	0.59	<10	<1	<1	<1
WCW-8	10/26/09	200	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<10	<2	<2	<2
WCW-8	05/27/10	---	<50	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-8	10/07/10	200	<100	---	---	---	<0.50	---	---	---	<0.50	0.9	3.7 J	---	---	---
WCW-8	04/13/11	---	<50	---	---	130	<0.50	<0.50	<0.50	<0.50	<0.50	0.96	<10	<1	<1	<1
WCW-8	10/14/11	170	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.92	<10	<2	<2	<2
WCW-8	04/19/12	---	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	0.89	<10	<1	<1	<1
WCW-8	10/18/12	130	---	---	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<10	<2.0	<2.0	<2.0
WCW-8	04/11/13	---	<100	<50	---	---	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<10	<1	<1	<1
WCW-8	10/09/13	---	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1	<1	<1

TABLE 6

Historical Analytical Results for TPH, BTEX, 1-2 DCA, MTBE, TBA, DIPE, ETBE, AND TAME in Groundwater - November 1996 through October 2013

Defense Fuel Support Point, Norwalk, California

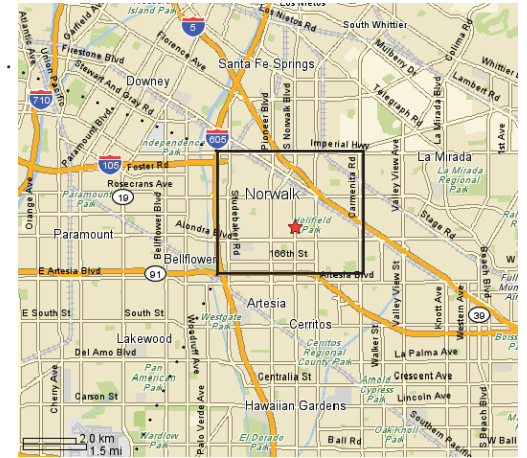
Well	Date Sampled	TPH as JP-5 <sup>1</sup>	TPH as Gasoline	TPH as Diesel	TPH as JP-4 <sup>2</sup>	TPH as FP <sup>3</sup>	Benzene	Toulene	Ethylbenzene	Total Xylenes	1,2-DCA <sup>4</sup>	MTBE <sup>5</sup>	TBA <sup>6</sup>	DIPE <sup>7</sup>	ETBE <sup>8</sup>	TAME <sup>9</sup>
Results reported in micrograms per liter (µg/L)																
WCW-9	11/22/96	---	<50	<500	<500	---	<0.50	<0.50	<0.50	<1.5	<0.50	<5	---	---	---	---
WCW-9	07/08/97	---	<100	<500	---	---	<0.50	1.1	<0.50	1.1	<0.50	<5	---	---	---	---
WCW-9	01/05/98	---	<500	<100	<100	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
WCW-9	05/19/98	---	---	---	---	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
WCW-9	11/03/98	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-9	05/06/99	---	<500	<500	---	---	<0.50	<0.50	<0.50	<0.50	<1	<0.50	---	---	---	---
WCW-9	11/18/99	---	<300	---	---	<100	<0.50	<1	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-9	05/16/00	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-9	11/30/00	---	<300	---	---	<100	0.6	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-9	05/10/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-9	11/08/01	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-9	04/11/02	---	<300	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---

Notes:

1. JP-5 = jet propellant No. 5.
2. JP-4 = jet propellant No. 4.
3. FP = fuel product (collected from north-central plume).
4. 1,2-DCA = 1,2-dichloroethane.
5. MTBE = methyl tert-butyl ether.
6. TBA = Tert-Butyl Alcohol.
7. DIPE = di-isopropyl ether.
8. ETBE = ethyl tertiary butyl ether.
9. TAME = tertiary amyl methyl ether.
10. --- = not analyzed.
11. <100 = not detected above the indicated laboratory reporting limit.
12. DUP = duplicate sample.
13. J = Estimated value

## **FIGURES**



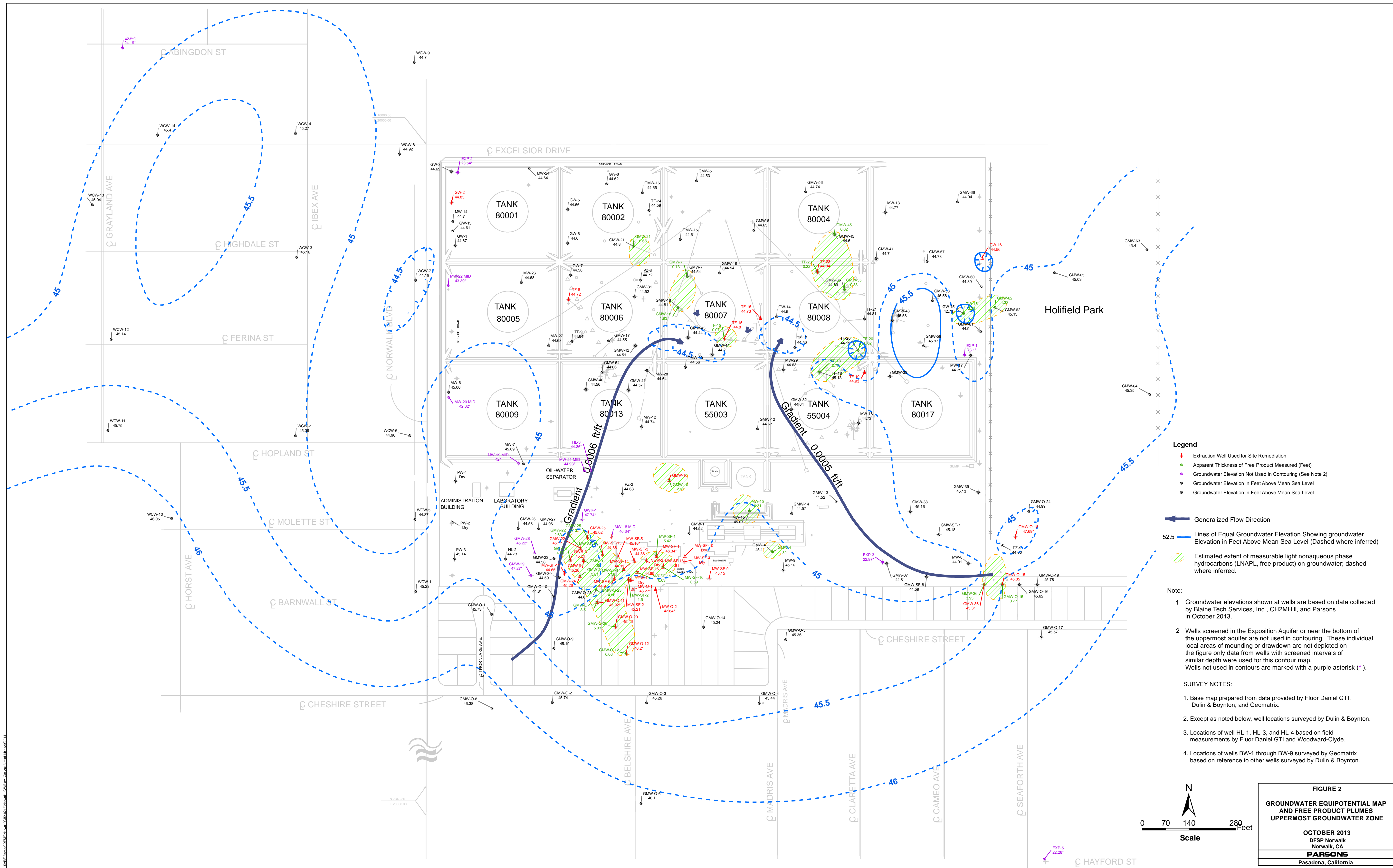


**FIGURE 1**  
**SITE LOCATION MAP**

**Defense Fuel Support Point Norwalk Facility**  
**15306 Norwalk Boulevard**  
**Norwalk, California**

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**PARSONS**

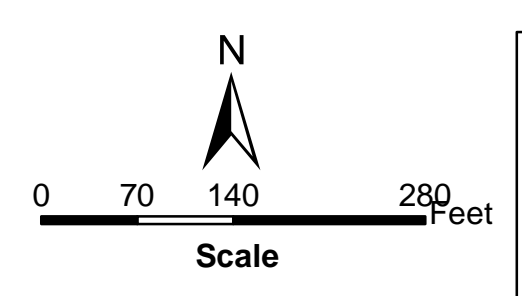


- Legend**
- Extraction Well Used for Site Remediation
  - Apparent Thickness of Free Product Measured (Feet)
  - Groundwater Elevation Not Used in Contouring (See Note 2)
  - Groundwater Elevation in Feet Above Mean Sea Level
  - Groundwater Elevation in Feet Above Mean Sea Level

- Generalized Flow Direction
- Lines of Equal Groundwater Elevation Showing groundwater Elevation in Feet Above Mean Sea Level (Dashed where inferred)
- Estimated extent of measurable light nonaqueous phase hydrocarbons (LNAPL, free product) on groundwater; dashed where inferred.

- Note:**
1. Groundwater elevations shown at wells are based on data collected by Blaine Tech Services, Inc., CH2M Hill, and Parsons in October 2013.
  2. Wells screened in the Exposition Aquifer or near the bottom of the uppermost aquifer are not used in contouring. These individual local areas of mounding or drawdown are not depicted on the figure only data from wells with screened intervals of similar depth were used for this contour map. Wells not used in contours are marked with a purple asterisk (\*).

- SURVEY NOTES:**
1. Base map prepared from data provided by Fluor Daniel GTI, Dulin & Boynton, and Geomatrix.
  2. Except as noted below, well locations surveyed by Dulin & Boynton.
  3. Locations of well HL-1, HL-3, and HL-4 based on field measurements by Fluor Daniel GTI and Woodward-Clyde.
  4. Locations of wells BW-1 through BW-9 surveyed by Geomatrix based on reference to other wells surveyed by Dulin & Boynton.

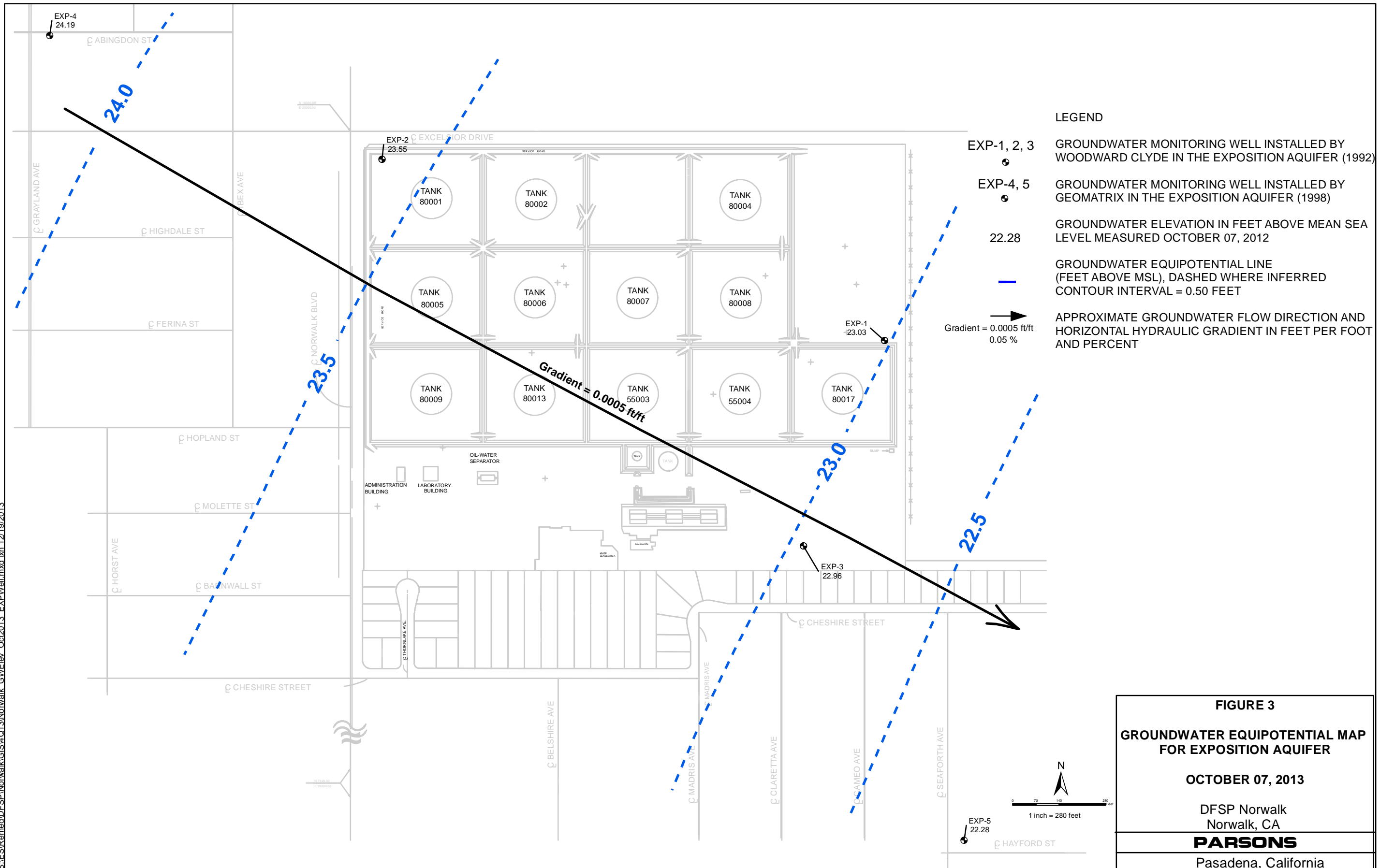


**FIGURE 2**  
**GROUNDWATER EQUIPOTENTIAL MAP AND FREE PRODUCT PLUMES UPPERMOST GROUNDWATER ZONE**  
 OCTOBER 2013  
 DFSP Norwalk  
 Norwalk, CA  
**PARSONS**  
 Pasadena, California

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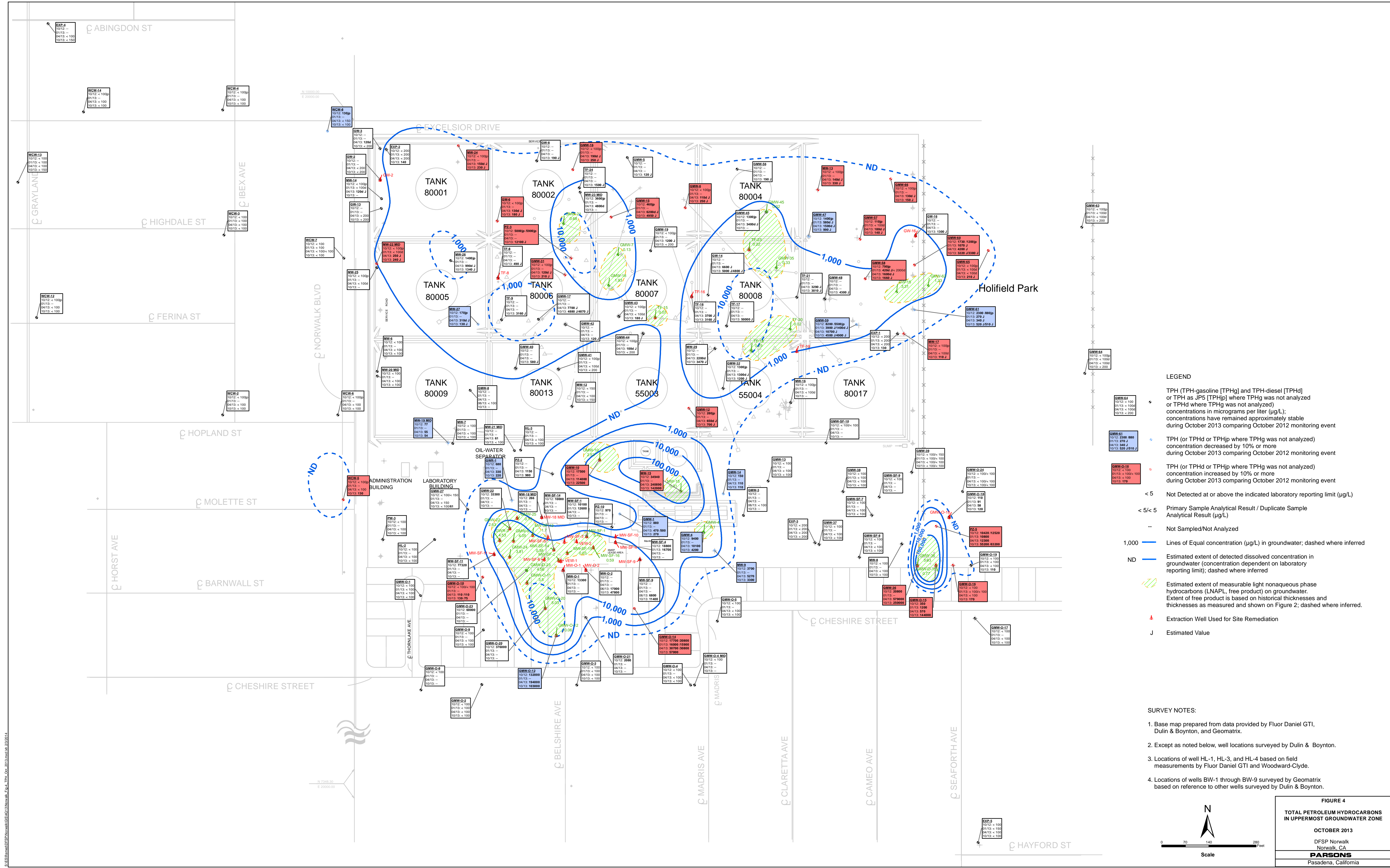
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LEGEND

- EXP-1, 2, 3  
● GROUNDWATER MONITORING WELL INSTALLED BY WOODWARD CLYDE IN THE EXPOSITION AQUIFER (1992)
- EXP-4, 5  
● GROUNDWATER MONITORING WELL INSTALLED BY GEOMATRIX IN THE EXPOSITION AQUIFER (1998)
- 22.28  
GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL MEASURED OCTOBER 07, 2012
- GROUNDWATER EQUIPOTENTIAL LINE (FEET ABOVE MSL), DASHED WHERE INFERRED CONTOUR INTERVAL = 0.50 FEET
- Gradient = 0.0005 ft/ft  
0.05 % APPROXIMATE GROUNDWATER FLOW DIRECTION AND HORIZONTAL HYDRAULIC GRADIENT IN FEET PER FOOT AND PERCENT

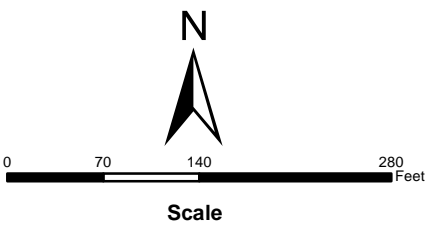
**FIGURE 3**  
**GROUNDWATER EQUIPOTENTIAL MAP FOR EXPOSITION AQUIFER**  
**OCTOBER 07, 2013**  
 DFSP Norwalk  
 Norwalk, CA  
**PARSONS**  
 Pasadena, California



- LEGEND**
- TPH (TPH-gasoline [TPHg] and TPH-diesel [TPHd] or TPH as JP5 [TPHj] where TPHg was not analyzed or TPHd where TPHg was not analyzed) concentrations in micrograms per liter (µg/L); concentrations have remained approximately stable during October 2013 comparing October 2012 monitoring event
  - TPH (or TPHd or TPHj where TPHg was not analyzed) concentration decreased by 10% or more during October 2013 comparing October 2012 monitoring event
  - TPH (or TPHd or TPHj where TPHg was not analyzed) concentration increased by 10% or more during October 2013 comparing October 2012 monitoring event
  - < 5 Not Detected at or above the indicated laboratory reporting limit (µg/L)
  - < 5< 5 Primary Sample Analytical Result / Duplicate Sample Analytical Result (µg/L)
  - Not Sampled/Not Analyzed
  - 1,000 Lines of Equal concentration (µg/L) in groundwater; dashed where inferred
  - ND Estimated extent of detected dissolved concentration in groundwater (concentration dependent on laboratory reporting limit); dashed where inferred
  - Estimated extent of measurable light nonaqueous phase hydrocarbons (LNAPL, free product) on groundwater. Extent of free product is based on historical thicknesses and thicknesses as measured and shown on Figure 2; dashed where inferred.
  - ▲ Extraction Well Used for Site Remediation
  - J Estimated Value

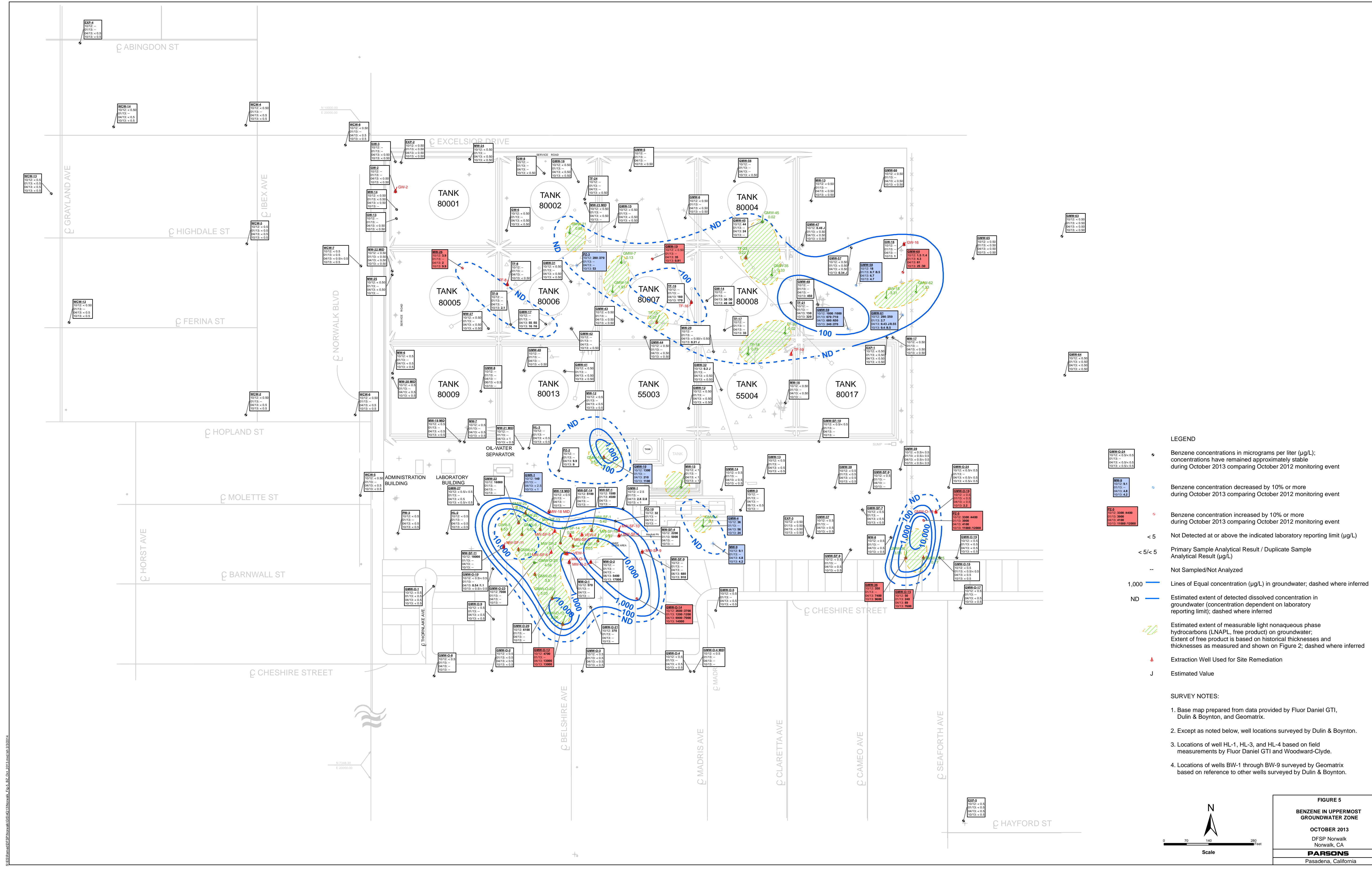
- SURVEY NOTES:**
1. Base map prepared from data provided by Fluor Daniel GTI, Dulin & Boynton, and Geomatrix.
  2. Except as noted below, well locations surveyed by Dulin & Boynton.
  3. Locations of well HL-1, HL-3, and HL-4 based on field measurements by Fluor Daniel GTI and Woodward-Clyde.
  4. Locations of wells BW-1 through BW-9 surveyed by Geomatrix based on reference to other wells surveyed by Dulin & Boynton.

**FIGURE 4**  
**TOTAL PETROLEUM HYDROCARBONS**  
**IN UPPERMOST GROUNDWATER ZONE**  
**OCTOBER 2013**  
 DFSF Norwalk  
 Norwalk, CA  
**PARSONS**  
 Pasadena, California



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 10/13/13 10:00 AM  
 10/13/13 10:00 AM  
 10/13/13 10:00 AM



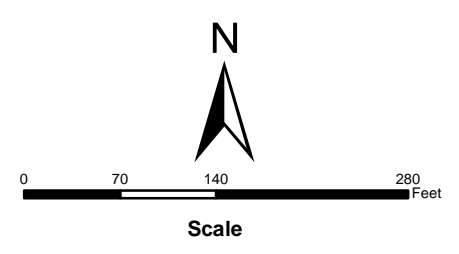


**LEGEND**

- Benzene concentrations in micrograms per liter (µg/L); concentrations have remained approximately stable during October 2013 comparing October 2012 monitoring event
- Benzene concentration decreased by 10% or more during October 2013 comparing October 2012 monitoring event
- Benzene concentration increased by 10% or more during October 2013 comparing October 2012 monitoring event
- Not Detected at or above the indicated laboratory reporting limit (µg/L)
- Primary Sample Analytical Result / Duplicate Sample Analytical Result (µg/L)
- Not Sampled/Not Analyzed
- Lines of Equal concentration (µg/L) in groundwater, dashed where inferred
- Estimated extent of detected dissolved concentration in groundwater (concentration dependent on laboratory reporting limit); dashed where inferred
- Estimated extent of measurable light nonaqueous phase hydrocarbons (LNAPL - free product) on groundwater; Extent of free product is based on historical thicknesses and thicknesses as measured and shown on Figure 2; dashed where inferred
- Extraction Well Used for Site Remediation
- Estimated Value

**SURVEY NOTES:**

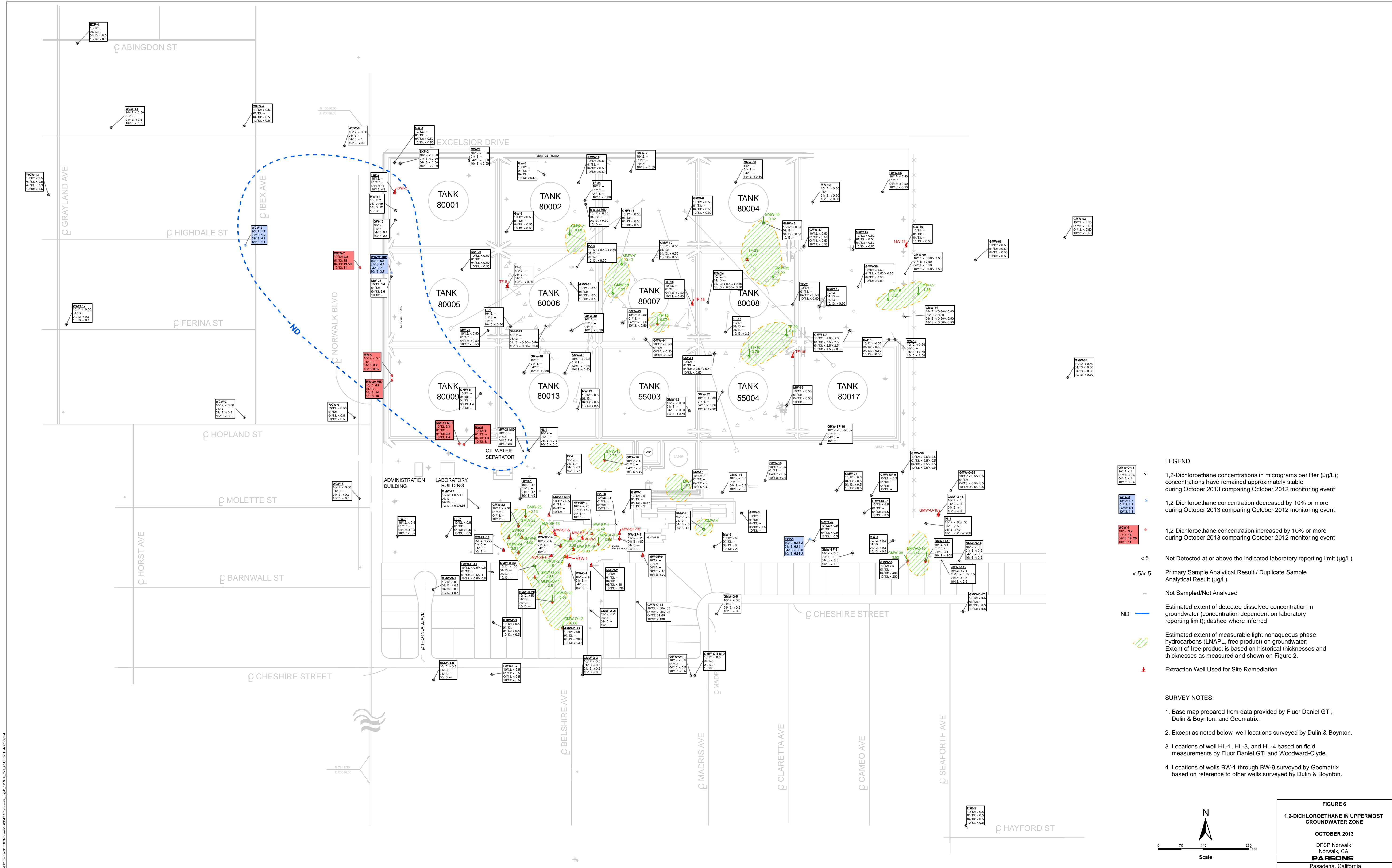
1. Base map prepared from data provided by Fluor Daniel GTI, Dulin & Boynton, and Geomatrix.
2. Except as noted below, well locations surveyed by Dulin & Boynton.
3. Locations of well HL-1, HL-3, and HL-4 based on field measurements by Fluor Daniel GTI and Woodward-Clyde.
4. Locations of wells BW-1 through BW-9 surveyed by Geomatrix based on reference to other wells surveyed by Dulin & Boynton.



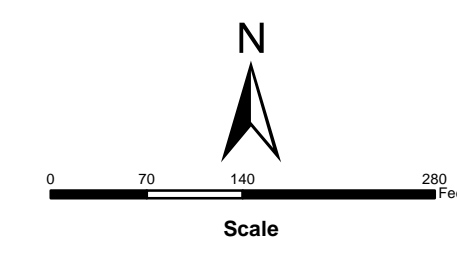
**FIGURE 5**  
**BENZENE IN UPPERMOST GROUNDWATER ZONE**  
 OCTOBER 2013  
 DFSP Norwalk  
 Norwalk, CA  
**PARSONS**  
 Pasadena, California

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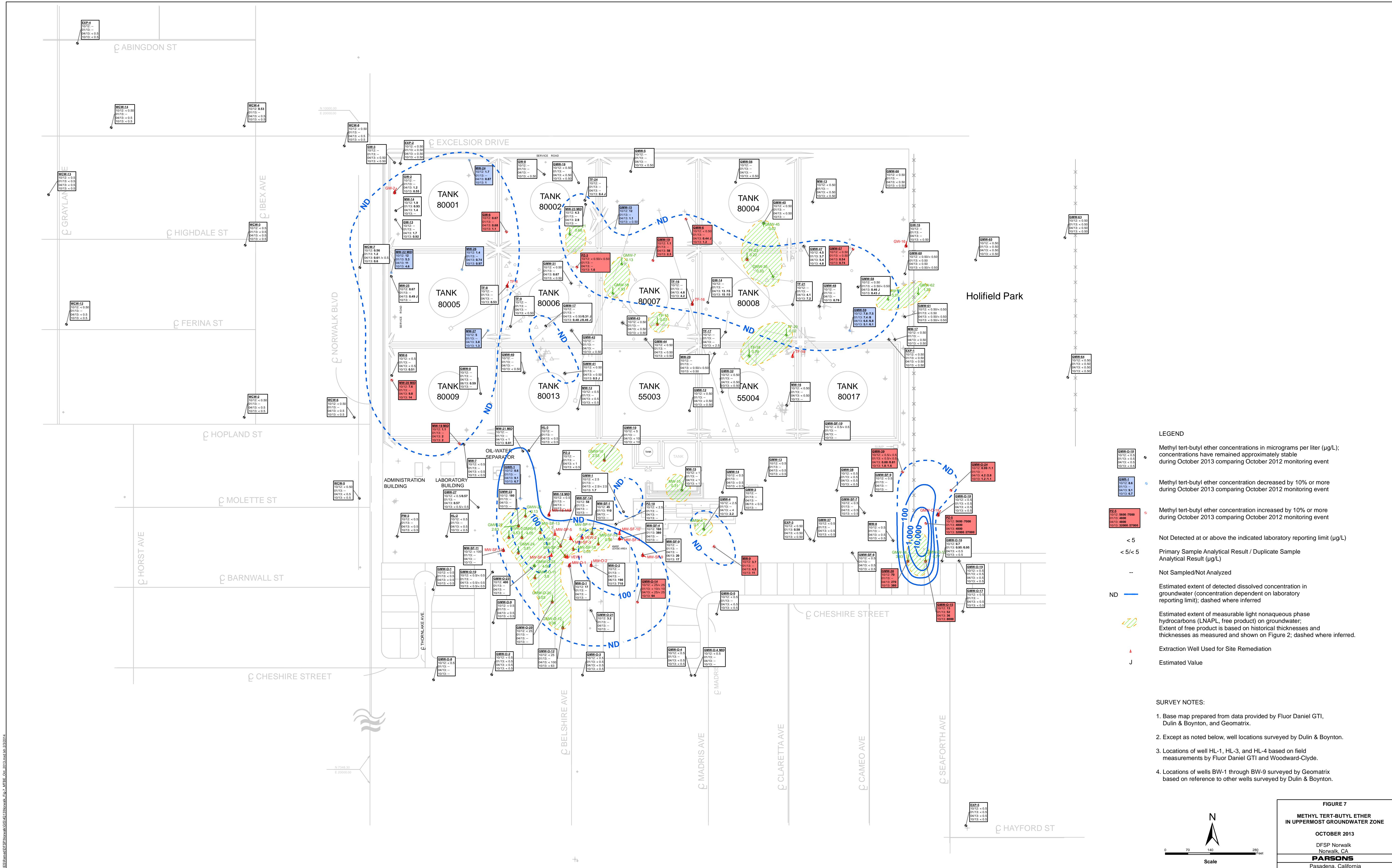


**FIGURE 6**  
**1,2-DICHLOROETHANE IN UPPERMOST GROUNDWATER ZONE**  
 OCTOBER 2013  
 DFSP Norwalk  
 Norwalk, CA  
**PARSONS**  
 Pasadena, California



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**LEGEND**

Methyl tert-butyl ether concentrations in micrograms per liter (µg/L); concentrations have remained approximately stable during October 2013 comparing October 2012 monitoring event

Methyl tert-butyl ether concentration decreased by 10% or more during October 2013 comparing October 2012 monitoring event

Methyl tert-butyl ether concentration increased by 10% or more during October 2013 comparing October 2012 monitoring event

< 5 Not Detected at or above the indicated laboratory reporting limit (µg/L)

< 5/< 5 Primary Sample Analytical Result / Duplicate Sample Analytical Result (µg/L)

-- Not Sampled/Not Analyzed

Estimated extent of detected dissolved concentration in groundwater (concentration dependent on laboratory reporting limit); dashed where inferred

Estimated extent of measurable light nonaqueous phase hydrocarbons (LNAPL; free product) on groundwater; Extent of free product is based on historical thicknesses and thicknesses as measured and shown on Figure 2; dashed where inferred.

Extraction Well Used for Site Remediation

Estimated Value

**SURVEY NOTES:**

1. Base map prepared from data provided by Fluor Daniel GTI, Dulin & Boynton, and Geomatrix.
2. Except as noted below, well locations surveyed by Dulin & Boynton.
3. Locations of well HL-1, HL-3, and HL-4 based on field measurements by Fluor Daniel GTI and Woodward-Clyde.
4. Locations of wells BW-1 through BW-9 surveyed by Geomatrix based on reference to other wells surveyed by Dulin & Boynton.

N

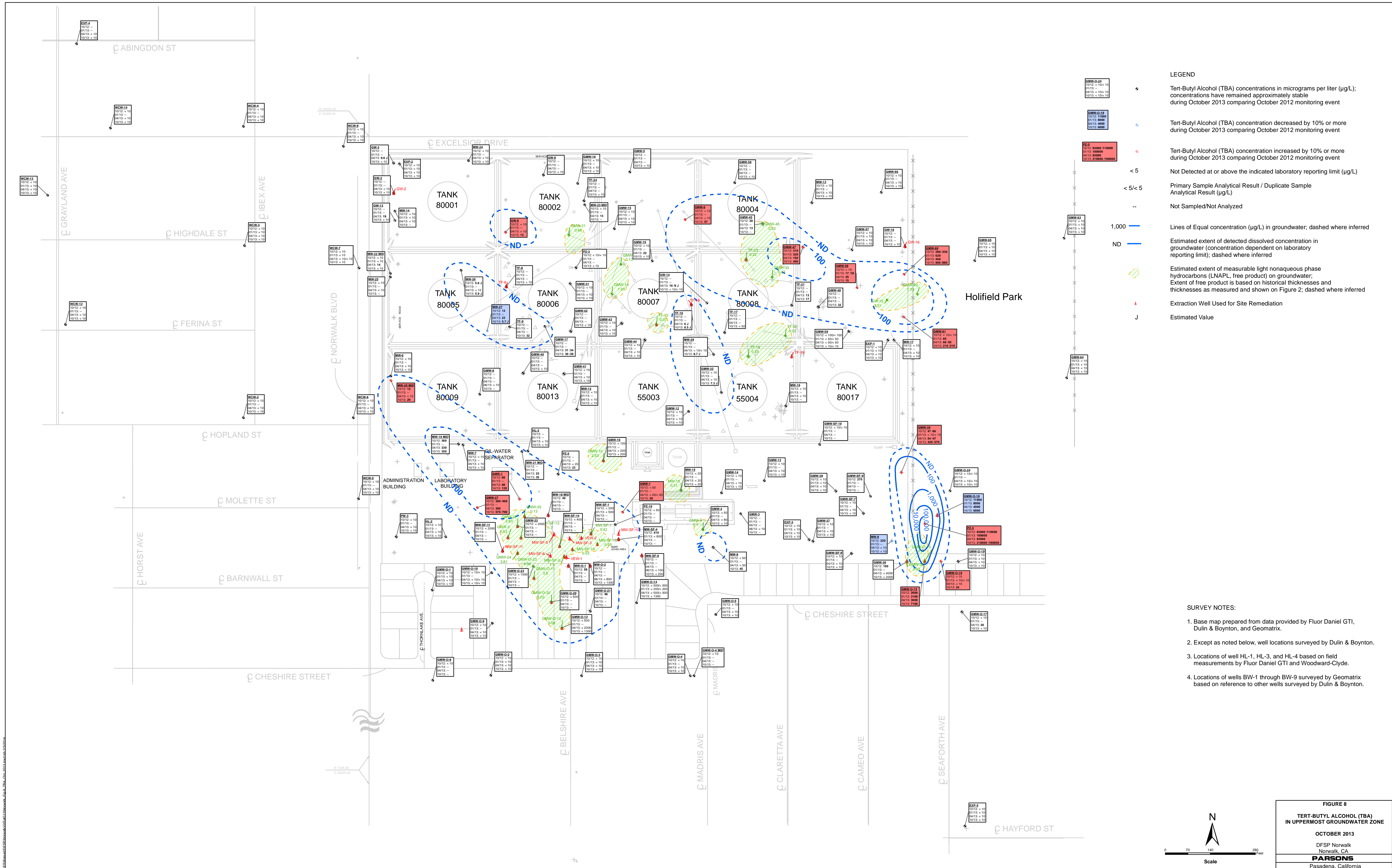
Scale 0 70 140 280 Feet

**FIGURE 7**  
**METHYL TERT-BUTYL ETHER**  
**IN UPPERMOST GROUNDWATER ZONE**

OCTOBER 2013  
 DFSP Norwalk  
 Norwalk, CA  
**PARSONS**  
 Pasadena, California

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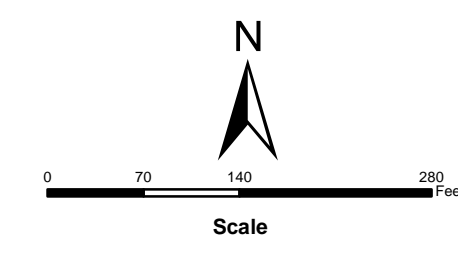




- LEGEND**
- Tert-Butyl Alcohol (TBA) concentrations in micrograms per liter (µg/L); concentrations have remained approximately stable during October 2013 comparing October 2012 monitoring event
  - Tert-Butyl Alcohol (TBA) concentration decreased by 10% or more during October 2013 comparing October 2012 monitoring event
  - Tert-Butyl Alcohol (TBA) concentration increased by 10% or more during October 2013 comparing October 2012 monitoring event
  - Not Detected at or above the indicated laboratory reporting limit (µg/L)
  - < 5 Primary Sample Analytical Result / Duplicate Sample Analytical Result (µg/L)
  - < 5/< 5 Not Sampled/Not Analyzed
  - Lines of Equal concentration (µg/L) in groundwater; dashed where inferred
  - ND Estimated extent of detected dissolved concentration in groundwater (concentration dependent on laboratory reporting limit); dashed where inferred
  - Estimated extent of measurable light nonaqueous phase hydrocarbons (LNAPL, free product) on groundwater; Extent of free product is based on historical thicknesses and thicknesses as measured and shown on Figure 2; dashed where inferred
  - J Extraction Well Used for Site Remediation
  - J Estimated Value

- SURVEY NOTES:**
1. Base map prepared from data provided by Fluor Daniel GTI, Dulin & Boynton, and Geomatrix.
  2. Except as noted below, well locations surveyed by Dulin & Boynton.
  3. Locations of well HL-1, HL-3, and HL-4 based on field measurements by Fluor Daniel GTI and Woodward-Clyde.
  4. Locations of wells BW-1 through BW-9 surveyed by Geomatrix based on reference to other wells surveyed by Dulin & Boynton.

**FIGURE 8**  
**TERT-BUTYL ALCOHOL (TBA)**  
**IN UPPERMOST GROUNDWATER ZONE**  
 OCTOBER 2013  
 DFSP Norwalk  
 Norwalk, CA  
**PARSONS**  
 Pasadena, California





## **APPENDICES (CD ROM Only)**

- Appendix A Semiannual Event Field Forms
- Appendix B Semiannual Event Laboratory Analytical Reports and Chain-of-Custody Documents
- Appendix C Summary of Historical Groundwater Elevations

**APPENDIX A**  
**Semiannual Event Field Forms**

**DFSP Norwalk Quarterly GWM -October 2013**  
**Gauging Data**

Well No.	Date	Time	DTP	DTW	Notes
EXP-1	10.01.13	1434	~	55.34	
EXP-2	10.01.13	1014	sheen	55.89	
EXP-3	10.02.13	0800	~	54.61	
GMW-5	10.01.13	1205	-	33.08	
GMW-6	10.01.13	1220	~	32.66	
GMW-7	10.02.13	1022	31.28	31.41	
GMW-12	10.02.13	1146	~	30.54	
GMW-15	10.01.13	1210	~	31.60	
GMW-16	10.02.13	1334	-	32.35	
GMW-17	10.02.13	1203	~	30.11	
GMW-18	10.02.13	1030	30.24	32.17	
GMW-19	10.02.13	1016	-	32.29	
GMW-20	10.02.13	1151	~	30.54	
GMW-21	10.01.13	1146	31.32	32.00	
GMW-31	10.02.13	1400	-	31.98	
GMW-32	10.02.13	0827	~	29.98	
GMW-33	10.02.13	1350	-	-	DAMAGED WELL
GMW-35	10.02.13	0920	31.38	31.71	
GMW-41	10.02.13	1408	-	29.85	
GMW-40	10.02.13	1254	-	28.57	Concrete Cellar DAMAGED / CASINS
GMW-43	10.02.13	1036	-	30.00	
GMW-42	10.02.13	1158	~	30.99	
GMW-44	10.02.13	1040	-	30.25	
GMW-45	10.01.13	1233	31.07	31.09	



**DFSP Norwalk Quarterly GWM -October 2013**  
**Gauging Data**

Well No.	Date	Time	DTP	DTW	Notes
GMW-47	10-1-13	1254	-	31.28	
GMW-48	10-2-13	0805	-	29.45	
GMW-54	10-2-13	1247	-	30.50	
GMW-56	10-01-13	1227	-	31.78	
GMW-57	10-01-13	1301	-	31.88	
GMW-58	10-02-13	1342	-	29.90	
GMW-59	10-01-13	1440	-	29.35	
GMW-60	10-01-13	1336	-	31.35	
GMW-61	10-02-13	1346	-	30.70	
GMW-62	10-02-13	0743	3100	32.33	
GMW-63	10-02-13	0715	-	31.92	
GMW-64	10-02-13	0723	-	30.49	
GMW-65	10-02-13	0730	-	31.75	
GMW-66	10-01-13	1316	-	32.06	
GW-1	10-01-13	0807	-	31.30	
GW-2	10-01-13	1001	:	30.95	
GW-3	10-01-13	1005	-	31.14	
GW-4	10-01-13	1023	-	-	NOT ABLE TO GAUGE
GW-5	10-01-13	1129	-	32.33	
GW-6	10-01-13	1134	Sheen	31.78	
GW-7	10-02-13	1217	-	30.44	
GW-8	10-01-13	1124	-	31.53	
GW-13	10-01-13	0815	-	32.24	
GW-14	10-02-13	1001	-	32.04	



**DFSP Norwalk Quarterly GWM -October 2013  
Gauging Data**

Well No.	Date	Time	DTP	DTW	Notes	Time
GW-15	10-2-13	<del>1310</del>	<del>30.76</del>	<del>34.81</del>	DTP-31.70 DTW-35.01	1425
GW-16	10-1-13	1327	-	31.77		
MW-13	10-1-13	1241	-	33.48		
MW-14	10-1-13	0819	-	33.90		
MW-16	10-2-13	0819	-	32.14		
MW-17	10-1-13	1431	-	33.07		
MW-22(MID)	10-2-13	1227	-	36.18		
MW-24	10-1-13	1021	-	33.87		
MW-26	10-2-13	1222	-	32.72		
MW-27	10-2-13	1233	-	33.78		
MW-28	10-2-13	1239	-	33.89		
MW-29	10-2-13	0834	-	34.50		
PZ-3	10-2-13	1055	-	31.45		
TF-8	10-2-13	1210	-	30.14		
TF-9	10-2-13	1319	-	29.83		
TF-15	10-2-13	1326	29.91	30.04		
TF-16	10-2-13	1009	-	31.16		
TF-17	10-2-13	0954	-	30.42		
TF-18	10-2-13	1123	28.68	29.47		
TF-19	10-2-13	0815	-	30.14		
TF-20	10-2-13	0858	30.93	30.95		
TF-21	10-2-13	0907	-	30.15		
TF-23	10-2-13	0935	30.34	30.56		
TF-24	10-1-13	1157	-	31.84		

# WELL GAUGING DATA

Project # 131007-MH1 Date 10-7-13 Client Parsons

Site Parsons @ DFSP Newark

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-19	0750	4					32.12	46.11		
GMW-43	0840	4					29.79	49.64		
GMW-21	0924	4	odor	31.16	0.55		31.71	—		
GMW-31	0935	4					31.86	63.63		
MW-22(MID)	1021	4					36.09	57.51		
GMW-33	—	—	Damaged well / Unable to Access			—	—	—		
GMW-44	1118	4					30.11	49.21		
GMW-65	1300	4					31.59	40.62		
GMW-62	1341	4	odor	30.51	3.11 <del>33.62</del> 02		33.62	—		
GMW-66	1410	4					32.02	39.52		
18 MW-27	0800	4					33.62	52.18		
GMW-12	0846	4					30.32	49.29		
GMW-32	0918	4					29.83	49.95		
GMW-15	1000	4					31.42	49.45		
GMW-45	1040	4	odor	31.89	0.05		31.94	—		
GMW-47	1052	4					31.13	50.18		
MW-26	1130	4					32.54	47.19		

# WELL GAUGING DATA

Project # 131007-MH11 Date 10-7-13 Client Parsons

Site Parsons @ Newark

J-10

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
TF-24	0700	4					31.78	52.02		
TF-8	0735	4					30.02	60.12		
TF-9	0817	4					29.61	49.62		
GMW-18	0900	4	odor	30.11	1.83		31.94	-		
GMW-7	0908	4	odor	31.14	0.14		31.28	-		
TF-23	0935	4	odor	30.21	0.24		30.45	-		
TF-20	0931	4	odor <del>30.93</del> SR	30.93	0.09		31.02	-		
TF-18	0924	4	odor	28.74	1.44		30.18			
GW-15	0951	6	odor	31.70	3.28		34.98			Pump

## WELL GAUGING DATA

Project # 131007-MH1 Date 10-7-13 Client Parsons

Site Parsons @ Milpitas

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 <u>TOC</u>	Notes
EXP-3	0730	4					54.62	123.00		10/7
EXP-1	0812	4					55.41	129.00		
EXP-2	0907	4					55.80	128.00		
GW-3	0940	4					31.00	54.78		
GW-2	1030	4					30.90	58.00		
GMW-41	1115	4					29.94	49.90		
GMW-40	1150	4					28.30	46.34		
GMW-68	1300	4					31.80	40.00		↓
GMW-5	0730	4					33.00	49.12		80/8
GMW-6	0819	4					32.50	49.30		
GMW-16	0900	4					32.24	50.14		
GW-6	0930	4					31.70	59.33		
MW-24	1015	4					33.84	47.21		
GMW-50	1046	4					<del>33.63</del> 31.63	53.41		
MW-13	1120	4					<del>33.41</del> 31.00	51.00		
GMW-54	1153	4					31.70	54.08		
MW-17	1220	4					<del>32.80</del> 31.40	51.40	↓	10/8



## WELL GAUGING DATA

Project # 131007-MHI Date 10-7-13 Client Parsons

Site Parsons @ DESP Newark

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 <u>TOC</u>	Notes
0-8-13 MW-29	1220	4					34.22	56.92		
BMW-35	1250	4	odor	31.8	0.29		31.47	—		
TF-21	1305	4					30.11	59.21		
TF-16	1347	4					30.82	59.62		
TF-15	1430	4	odor	29.88	0.06		29.94	—		
2-9-13 GW-16	0740	<del>6</del> 6					32.02	61.72		Pump in well
P2-3	0830	2					31.32	56.42		Soak
BMW-17	0911	4					29.92	48.82		
BMW-60	0940	4					31.22	39.87		
BMW-59	1032	4					29.11	54.25		
BMW-48	1115	4					29.35	48.02		
GW-13	1158	6					31.98	40.12		Pump in well
GW-14	1240	6					31.83	60.02		
GW-8	1327	4					31.38	53.76		
TF-17	1418	4					30.42	54.02		
BMW-42	1506	4					30.92	49.22		
	—									





## LOW FLOW WELL MONITORING DATA SHEET

Project #: 130710-MH1	Client: PARSONS@NORWALK
Sampler: W	Gauging Date: 10/7/13
Well I.D.: EXP.2	Well Diameter (in.): 2 3 (4) 6 8
Total Well Depth (ft.): 128.06	Depth to Water (ft.): 55.88
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: Pro Plus

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

Start Purge Time: 0909      Flow Rate: 300 mL/min      Pump Depth: 105

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or μS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0912	22.0	7.16	1550	40.9	3.96	142.9	900	55.88
0915	21.9	7.15	1578	6.46	3.71	148.8	1800	55.88
0918	21.9	7.11	1575	10.1	3.55	154.1	2700	55.88
0921	21.9	7.14	1570	12.3	3.74	155.6	3600	55.88
0924	21.9	7.14	1569	11.7	3.69	158.0	4500	55.88
0927	21.8	7.11	1569	11.9	3.66	159.2	5400	55.88

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: 5400 mL
Sampling Time: 0928	Sampling Date: 10/7/13
Sample I.D.: EXP.2	Laboratory: CALSCIENCE
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
Equipment Blank I.D.: @	Duplicate I.D.:

## LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>130710-MAH</u>	Client: <u>PARSONS @ Newark</u>
Sampler: <u>M</u>	Gauging Date: <u>10/07/13</u>
Well I.D.: <u>EXP-3</u>	Well Diameter (in.): 2 3 <u>(4)</u> 6 8
Total Well Depth (ft.): <u>123.00</u>	Depth to Water (ft.): <u>54.63</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>Per Plus</u>

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 0752      Flow Rate: 300 mL/min      Pump Depth: 95

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or μS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0755	21.5	7.25	943	9.00	3.60	172.2	900	54.63
0758	21.5	7.27	922	5.65	3.00	174.8	1000	54.63
0801	21.5	7.27	921	6.22	2.79	175.4	2700	54.63
0804	21.5	7.27	920	6.18	2.69	175.5	3600	54.63
0807	21.5	7.28	919	6.10	2.69	175.1	4500	<del>54.63</del>

Did well dewater? Yes  No       Amount actually evacuated: 4000 mL

Sampling Time: 0808      Sampling Date: 10/07/13

Sample I.D.: EXP-3      Laboratory: AMSUNCE

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

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

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 120710-MH1	Client: Parsons @ Newark
Sampler: M	Gauging Date: 10/8/13
Well I.D.: GMMW-5	Well Diameter (in.): 2 3 (4) 6 8
Total Well Depth (ft.): 49.12	Depth to Water (ft.): 33.00
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: Pro Plus

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

Start Purge Time: 0745      Flow Rate: 200 ml/min      Pump Depth: 41'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0748	22.1	7.18	768	33.2	2.38	202.0	600	33.06
0751	22.1	7.19	768	28.7	2.51	201.1	1200	33.06
0754	22.1	7.19	765	26.4	2.46	199.9	1800	33.06
0757	22.1	7.19	760	25.2	2.48	197.6	2400	33.06
0800	22.1	7.20	754	24.9	2.42	193.5	3000	33.06

Did well dewater? Yes  No      Amount actually evacuated: 3000 mL

Sampling Time: 0801      Sampling Date: 10/8/13

Sample I.D.: GMMW-5      Laboratory: CASCENE

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

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

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 130710-MH1	Client: PARSONS @ NORWALK
Sampler: (M)	Gauging Date: 10/8/13
Well I.D.: GMW-6	Well Diameter (in.): 2 3 (4) 6 8
Total Well Depth (ft.): 49.36	Depth to Water (ft.): 32.58
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: Pro Plus

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 0823      Flow Rate: 200 mL/min      Pump Depth: 40

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0826	21.6	7.11	825	30.2	2.86	185.8	600	32.61
0829	21.7	7.11	832	27.9	2.86	183.6	1200	32.61
0832	21.7	7.11	835	24.1	2.80	180.4	1800	32.61
0835	21.7	7.11	842	22.6	2.77	172.4	2400	32.61
0839	21.8	7.10	851	20.1	2.64	169.9	3000	32.61

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 3000 mL
Sampling Time: 0839	Sampling Date: 10/8/13
Sample I.D.: GMW-6	Laboratory: CALSICENCE
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
Equipment Blank I.D.: @ <small>Time</small>	Duplicate I.D.:





## LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>131007-MH1</u>	Client: <u>Parsons</u>
Sampler: <u>SR</u>	Gauging Date: <u>10-8-13</u>
Well I.D.: <u>EMW-12</u>	Well Diameter (in.): 2 3 <u>4</u> 6 8
Total Well Depth (ft.): <u>49.29</u>	Depth to Water (ft.): <u>30.32</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVO</u> Grade	Flow Cell Type: <u>YSI ProPlus</u>

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 0850      Flow Rate: 200 mL/min      Pump Depth: 38.5'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0853	23.4	6.65	1478	8	0.63	46.1	600	30.35
0856	23.4	6.63	1470	8	0.52	50.2	1200	30.35
0859	23.2	6.61	1466	7	0.47	52.2	1800	30.35
0902	23.2	6.60	1462	7	0.44	53.6	2400	30.35
0905	23.2	6.60	1460	7	0.41	54.1	3000	30.35
0909	23.2	6.59	1457	6	0.40	54.9	3600	30.35

Did well dewater? Yes  No       Amount actually evacuated: 3.6L

Sampling Time: 0909      Sampling Date: 10-8-13

Sample I.D.: EMW-12      Laboratory: CalScience

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

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

## LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>B1007-MH1</u>	Client: <u>Lawsons</u>
Sampler: <u>SR</u>	Gauging Date: <u>10-8-13</u>
Well I.D.: <u>GMW-15</u>	Well Diameter (in.): 2 3 <u>4</u> 6 8
Total Well Depth (ft.): <u>49.45</u>	Depth to Water (ft.): <u>31.42</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI-ProPlus</u>

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1005      Flow Rate: 2.00 ml/min      Pump Depth: 38'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or ml)	Depth to Water (ft.)
<u>1008</u>	<u>22.9</u>	<u>6.77</u>	<u>1467</u>	<u>2</u>	<u>0.81</u>	<u>-87.1</u>	<u>600</u>	<u>31.61</u>
<u>1011</u>	<u>23.0</u>	<u>6.76</u>	<u>1481</u>	<u>2</u>	<u>0.70</u>	<u>-96.2</u>	<u>1200</u>	<u>31.61</u>
<u>1014</u>	<u>23.0</u>	<u>6.76</u>	<u>1495</u>	<u>2</u>	<u>0.66</u>	<u>-101.4</u>	<u>1800</u>	<u>31.62</u>
<u>1017</u>	<u>23.1</u>	<u>6.75</u>	<u>1504</u>	<u>2</u>	<u>0.63</u>	<u>-105.7</u>	<u>2400</u>	<u>31.62</u>
<u>1020</u>	<u>23.1</u>	<u>6.74</u>	<u>1510</u>	<u>2</u>	<u>0.60</u>	<u>-108.3</u>	<u>3000</u>	<u>31.62</u>

Did well dewater? Yes  No       Amount actually evacuated: 3 L

Sampling Time: 1021      Sampling Date: 10-8-13

Sample I.D.: GMW-15      Laboratory: CalSciure

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

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

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 130710-MM	Client: PARSONS @ Network
Sampler: (M)	Gauging Date: 10/8/13
Well I.D.: GMW-16	Well Diameter (in.): 2 3 (4) 6 8
Total Well Depth (ft.): 50.14	Depth to Water (ft.): 32.24
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: Pro Plus

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 0903      Flow Rate: 200 mL/MIN      Pump Depth: \_\_\_\_\_

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or μS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or ml)	Depth to Water (ft.)
0906	21.8	7.09	1033	18.6	1.86	180.6	1000	32.25
0909	21.8	7.08	1033	15.9	1.87	180.3	1200	32.27
0912	21.8	7.08	1031	12.2	1.70	174.2	1800	32.27
0915	21.8	7.08	1030	12.0	1.71	173.8	2400	32.27
0918	21.9	7.08	1028	11.7	1.66	170.8	3000	32.27

Did well dewater? Yes (N)	Amount actually evacuated: 3000 mL
Sampling Time: 0919	Sampling Date: 10/8/13
Sample I.D.: GMW-16	Laboratory: CAESCE
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
Equipment Blank I.D.: @	Duplicate I.D.:

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131009-MH11	Client: Parsons
Sampler: SA	Gauging Date: 10-9-13
Well I.D.: 6MW-17	Well Diameter (in.): 2 3 (4) 6 8
Total Well Depth (ft.): 48.92	Depth to Water (ft.): 29.92
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI P2P105

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 0915      Flow Rate: 200 mL/min      Pump Depth: 39.5'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0918	22.1	6.61	1390	11	0.92	-52.9	600	29.92 - 30.04
0921	22.0	6.59	1393	11	0.84	-58.6	1200	30.05
0924	22.0	6.58	1395	10	0.78	-62.4	1800	30.05
0927	22.0	6.58	1398	10	0.72	-64.5	2400	30.05
0930	22.1	6.58	1400	9	0.68	-65.8	3000	30.05
0933	22.2	6.57	1401	9	0.65	-66.7	3600	30.05

Did well dewater? Yes  No       Amount actually evacuated: 3.6L

Sampling Time: 0934      Sampling Date: 10-9-13

Sample I.D.: 6MW-17      Laboratory: CalScience

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

Equipment Blank I.D.: @ Time      Duplicate I.D.: 6MW-17 dup



## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007-MH1	Client: Parsons
Sampler: SR	Gauging Date: 10-7-13
Well I.D.: GMW-19	Well Diameter (in.): 2 3 <del>4</del> 6 8
Total Well Depth (ft.): 46.11	Depth to Water (ft.): 32.12
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI ProPlus

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 0800      Flow Rate: 200 mL/min      Pump Depth: 38'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0803	22.8	6.82	785	8	0.68	-78.1	600	32.18
0806	22.8	6.82	781	6	0.62	-84.6	1200	32.19
0809	22.9	6.81	776	6	0.55	-88.1	1800	32.19
0812	22.9	6.80	774	6	0.52	-93.4	2400	32.19
0815	23.0	6.79	772	5	0.49	-95.5	3000	32.19
0818	23.1	6.78	769	4	0.47	-96.8	3600	32.19

Did well dewater? Yes  No       Amount actually evacuated: 3.6L

Sampling Time: 0819      Sampling Date: 10/7/13

Sample I.D.: GMW-19      Laboratory: Calserve

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

Equipment Blank I.D.: @ \_\_\_\_\_      Duplicate I.D.: \_\_\_\_\_



## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007 - MH1	Client: Parsons
Sampler: SE	Gauging Date: 10-7-13
Well I.D.: MW-22 (MID)	Well Diameter (in.): 2 3 (4) 6 8
Total Well Depth (ft.): 57.51	Depth to Water (ft.): 36.09
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI 6010S

Purge Method: 2" Grundfos Pump                      Peristaltic Pump                      Bladder Pump  
 Sampling Method: Dedicated Tubing                      New Tubing                      Other \_\_\_\_\_  
 Start Purge Time: 1026                      Flow Rate: 200 mL/min                      Pump Depth: 47'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1029	22.7	7.14	1829	2	1.63	-110.4	600	36.11
1032	22.9	7.12	1834	2	1.57	-117.2	1200	36.11
1035	23.0	7.11	1839	2	1.54	-121.4	1800	36.11
1038	23.0	7.11	1842	2	1.51	-124.5	2400	36.11
1041	23.0	7.10	1844	2	1.49	-126.7	3000	36.11
1044	23.1	7.10	1845	2	1.47	-129.1	3600	36.11

Did well dewater? Yes <input checked="" type="checkbox"/>	Amount actually evacuated: 3.6 L
Sampling Time: 1045	Sampling Date: 10-7-13
Sample I.D.: MW-22 (MID)	Laboratory: Calsource
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See VOC
Equipment Blank I.D.: @ Time	Duplicate I.D.:



## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007-MH1	Client: Parsons
Sampler: SR	Gauging Date: 10-7-13
Well I.D.: GMW-31	Well Diameter (in.): 2 3 ④ 6 8
Total Well Depth (ft.): 63.63	Depth to Water (ft.): 31.86
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI Purple S

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 0940      Flow Rate: 200 mL/min      Pump Depth: 47'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0943	22.4	6.87	1096	4	0.58	-123.5	600	31.88
0946	22.4	6.86	1093	4	0.50	-129.4	1200	31.88
0949	22.4	6.85	1091	4	0.47	-134.6	1800	31.88
0952	22.4	6.83	1090	4	0.45	-137.2	2400	31.88
0955	22.3	6.82	1088	3	0.42	-140.1	3000	31.88
0958	22.4	6.81	1087	3	0.40	-142.8	3600	31.88

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated:
Sampling Time: 0959	Sampling Date: 10-7-13
Sample I.D.: GMW-31	Laboratory: CalSeigneur
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: Sec 606
Equipment Blank I.D.: @	Duplicate I.D.:

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007-MH1	Client: Parsons
Sampler: SR	Gauging Date: 10-8-13
Well I.D.: BMW-32	Well Diameter (in.): 2 3 <u>4</u> 6 8
Total Well Depth (ft.): 49.95	Depth to Water (ft.): 29.83
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVO</u> Grade	Flow Cell Type: YSI P <sub>6</sub> Plus

Purge Method: 2" Grundfos Pump                      Peristaltic Pump                      Bladder Pump  
 Sampling Method: Dedicated Tubing                      New Tubing                      Other \_\_\_\_\_  
 Start Purge Time: 0922                      Flow Rate: 200 mL/min                      Pump Depth: 39'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0925	22.3	6.64	1204	9	3.18	-92.1	600	29.88
0928	22.3	6.63	1208	9	3.11	-94.8	1200	29.88
0931	22.3	6.62	1213	9	3.07	-97.5	1800	29.89
0934	22.4	6.60	1216	9	3.04	-99.4	2400	29.89
0937	22.4	6.59	1219	9	3.01	-101.1	3000	29.89
0940	22.3	6.58	1224	8	2.99	-103.1	3600	29.89

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 3.6L
Sampling Time: 0941	Sampling Date: 10-8-13
Sample I.D.: BMW-32	Laboratory: <sup>SR</sup> FATS CalScience
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See 16C
Equipment Blank I.D.: @ <small>Time</small>	Duplicate I.D.:



## LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>131007-M11</u>	Client: <u>Parsons</u>
Sampler: <u>SR</u>	Gauging Date: <u>10-7-13</u>
Well I.D.: <u>SR</u> <del>4 in</del> <u>6 MW-40</u>	Well Diameter (in.): 2 3 <u>4</u> 6 8
Total Well Depth (ft.): <u>46.34</u>	Depth to Water (ft.): <u>28.36</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PPC</u> Grade	Flow Cell Type: <u>YSI P2P1W5</u>

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 0725      Flow Rate: 200 mL/min      Pump Depth: 38'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0728	20.9	6.92	699	34	1.56	-36.7	600	28.43
0731	21.1	6.88	694	30	1.50	-45.2	<del>1200</del> 1200	28.44
0734	21.1	6.87	692	30	1.44	-49.1	1800	28.44
0737	21.1	6.86	687	31	1.40	-53.7	2400	28.44
0740	21.0	6.85	688	29	1.37	-56.2	3000	28.44
0743	21.1	6.85	686	29	1.34	-58.1	3200	28.45

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: <u>3.2 L</u>
Sampling Time: <u>0744</u>	Sampling Date: <u>10-8-13</u>
Sample I.D.: <u>6 MW-40</u>	Laboratory: <u>Calspan</u>
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: <u>See LVL</u>
Equipment Blank I.D.: @ _____	Duplicate I.D.: _____

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 130710-MH1	Client: <u>MSMS @ Newark</u>
Sampler: <u>(M)</u>	Gauging Date: <u>10/7/13</u>
Well I.D.: <u>GMW-41</u>	Well Diameter (in.): 2 3 <u>(4)</u> 6 8
Total Well Depth (ft.): <u>49.90</u>	Depth to Water (ft.): <u>29.99</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>Pro Plus</u>

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1117      Flow Rate: 200 mL/min      Pump Depth: 40

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or <u>µS/cm</u> )	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>ml</u> )	Depth to Water (ft.)
1120	22.9	7.13	1274	25.0	1.50	139.0	600	29.99
1123	22.9	7.11	1268	16.7	1.40	139.4	1200	29.99
1126	22.8	7.08	1262	14.3	1.25	141.3	1800	29.99
1129	22.7	7.00	1262	14.1	1.15	142.9	2400	29.99
1132	22.7	7.00	1262	13.7	1.09	144.7	3000	29.99

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: <u>3000</u> mL
Sampling Time: <u>1133</u>	Sampling Date: <u>10/7/13</u>
Sample I.D.: <u>GMW-41</u>	Laboratory: <u>CA Science</u>
Analyzed for:      TPH-G    BTEX    MTBE    TPH-D      Other:	
Equipment Blank I.D.:      @      Time	Duplicate I.D.:

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007-A111	Client: Parsons
Sampler: SO	Gauging Date: 10-9-13
Well I.D.: 6MW-42	Well Diameter (in.): 2 3 <u>4</u> 6 8
Total Well Depth (ft.): 49.22	Depth to Water (ft.): 30.92
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: Pyc Grade	Flow Cell Type: YSI PWS

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1511      Flow Rate: 200 mL/min      Pump Depth: 40'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1514	21.4	6.61	1400	6	0.92	-72.1	600	31.01
1517	21.3	6.59	1403	6	0.87	-76.4	1200	31.02
1520	21.3	6.58	1405	6	0.85	-80.7	1800	31.02
1523	21.3	6.58	1408	6	0.84	-82.5	2400	31.02
1526	21.2	6.57	1409	5	0.82	-83.9	3000	31.02

Did well dewater? Yes  No       Amount actually evacuated: 36  
 Sampling Time: 1527      Sampling Date: 10-9-13  
 Sample I.D.: 6MW-42      Laboratory: Calsonic  
 Analyzed for: TPH-G BTEX MTBE TPH-D      Other: Seccol  
 Equipment Blank I.D.: @      Duplicate I.D.:

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007-MHI	Client: Parsons
Sampler: SR	Gauging Date: 10-7-13
Well I.D.: BMW-43	Well Diameter (in.): 2 3 <u>4</u> 6 8
Total Well Depth (ft.): 49.64	Depth to Water (ft.): 29.79
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI ProPlus

Purge Method: 2" Grundfos Pump	Peristaltic Pump	Bladder Pump
Sampling Method: Dedicated Tubing	New Tubing	Other
Start Purge Time: 0845	Flow Rate: 200 mL/min	Pump Depth: 38'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0848	22.1	6.96	706	<del>9</del> 0.69	0.69	23.9	600	29.88
0851	22.2	6.92	708	7	0.57	28.9	1200	29.89
0854	22.2	6.91	711	7	0.54	34.2	1800	29.89
0857	22.2	6.89	714	7	0.52	37.1	2400	29.89
0900	22.2	6.88	715	7	0.49	39.2	3000	29.89
0903	22.2	6.88	717	6	0.46	41.1	3600	29.89

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 3.6L
Sampling Time: 0904	Sampling Date: 10-7-13
Sample I.D.: BMW-43	Laboratory: Calsonex
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See Col
Equipment Blank I.D.: @	Duplicate I.D.:



## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007-MH1	Client: Parsons
Sampler: SA	Gauging Date: 10-7-13
Well I.D.: 6MW-44	Well Diameter (in.): 2 3 <u>4</u> 6 8
Total Well Depth (ft.): 49.21	Depth to Water (ft.): 30.11
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI ProPlus

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1124      Flow Rate: 200 mL/min      Pump Depth: 38'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1127	22.7	6.75	975	8	0.78	-75.2	600	30.18
1130	22.9	6.74	970	6	0.72	-80.1	1200	30.19
1133	22.9	6.74	963	6	0.69	-80.6	1800	30.19
1136	23.0	6.73	959	6	0.67	-80.9	2400	30.19
1139	23.0	6.72	955	6	0.66	-81.7	3000	30.19
1142	22.9	6.71	954	6	0.64	83.1	3600	30.19

Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Amount actually evacuated: 3.6L
Sampling Time: 1143	Sampling Date: 10-7-13
Sample I.D.: 6MW-44	Laboratory: Calscience
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: Seeloc
Equipment Blank I.D.: @	Duplicate I.D.:



## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007- <del>AA</del> 1	Client: Parsons
Sampler: SA	Gauging Date: 10-8-13
Well I.D.: 6MW-47	Well Diameter (in.): 2 3 <input checked="" type="radio"/> 6 8
Total Well Depth (ft.): 50.18	Depth to Water (ft.): 31.13
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI P2 Plus

Purge Method: 2" Grundfos Pump                      Peristaltic Pump                      Bladder Pump  
 Sampling Method: Dedicated Tubing                      New Tubing                      Other \_\_\_\_\_  
 Start Purge Time: 1054                      Flow Rate: 200 mL/min                      Pump Depth: 45'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or ml)	Depth to Water (ft.)
1057	23.2	6.80	1929	18	0.70	-99.5	600	31.17
1100	23.2	6.79	1943	15	0.65	-106.2	1200	31.18
1103	23.2	6.78	1956	10	0.64	-111.4	1800	31.18
1106	23.1	6.77	1964	10	0.61	-116.1	2400	31.18
1109	23.1	6.77	1971	10	0.57	-119.2	3000	31.18
1112	23.1	6.76	1978	9	0.55	-121.4	3600	31.18

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 3.6L
Sampling Time: 1113	Sampling Date: 10-8-13
Sample I.D.: 6MW-47	Laboratory: Calsonex
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: Seccol
Equipment Blank I.D.: @	Duplicate I.D.:

## LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>131007-MH1</u>	Client: <u>Parsons</u>
Sampler: <u>SL</u>	Gauging Date: <u>10-9-13</u>
Well I.D.: <u>GMW-48</u>	Well Diameter (in.): 2 3 <u>4</u> 6 8
Total Well Depth (ft.): <u>48.02</u>	Depth to Water (ft.): <u>29.35</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI Pro Plus</u>

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1120      Flow Rate: 200 mL/min      Pump Depth: 38.5'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1123	22.8	6.63	2013	41	0.91	-126.1	600	29.41
1126	22.8	6.61	2016	41	0.84	-128.9	1200	29.42
1129	22.7	6.60	2018	41	0.80	-130.1	1800	29.42
1132	22.7	6.59	2019	40	0.77	-132.3	2400	29.42
1135	22.7	6.58	2019	40	0.76	-134.4	3000	29.42
1138	22.7	6.58	2020	40	0.74	-135.6	3600	29.42

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: <u>3.6L</u>
Sampling Time: <u>1139</u>	Sampling Date: <u>10-9-13</u>
Sample I.D.: <u>GMW-48</u>	Laboratory: <u>Calsonide</u>
Analyzed for: <u>TPH-G BTEX MTBE TPH-D</u>	Other: <u>SPX/OC</u>
Equipment Blank I.D.: <u>@</u>	Duplicate I.D.:

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 130410-MH1	Client: Parsons @ Norwalk
Sampler: A	Gauging Date: 10/8/13
Well I.D.: GMW-56	Well Diameter (in.): 2 3 (4) 6 8
Total Well Depth (ft.): 53.41	Depth to Water (ft.): 31.63
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: Pro Plus

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

Start Purge Time: 1053      Flow Rate: 200 mL/min      Pump Depth: 43

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1056	21.5	7.20	720	63.7	1.50	174.1	600	31.72
1059	21.5	7.19	719	72.2	1.39	172.4	1200	31.76
1102	21.5	7.18	720	50.8	1.32	165.2	1800	31.76
1105	21.5	7.17	737	54.2	1.27	152.7	2400	31.76
1108	21.5	7.17	742	52.6	1.22	148.2	3000	31.76

Did well dewater? Yes  No       Amount actually evacuated: 3000 mL

Sampling Time: 1109      Sampling Date: 10/8/13

Sample I.D.: GMW-56      Laboratory: CASCUMCO

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

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

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 130710-M41	Client: PARSONS @ Newark
Sampler: <u>PA</u>	Gauging Date: 10/8/13
Well I.D.: GMMW-54	Well Diameter (in.): 2 3 <u>4</u> 6 8
Total Well Depth (ft.): 54.00	Depth to Water (ft.): 31.70
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>Pro Plus</u>

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

Start Purge Time: 1202      Flow Rate: 300 ml/min      Pump Depth: 45

Time	Temp. (C or F)	pH	Cond. (mS/cm or <u>µS/cm</u> )	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>ml</u> )	Depth to Water (ft.)
1205	23.0	7.12	1483	5.91	1.20	146.9	900	31.77
1200	23.0	7.12	1482	4.72	1.29	144.9	1800	31.77
1211	23.0	7.13	1480	4.66	1.24	132.2	2700	31.77
1214	23.0	7.13	1479	4.60	1.18	124.6	3600	31.77
1217	23.0	7.13	1479	4.64	1.17	120.7	4500	31.77

Did well dewater? Yes  No      Amount actually evacuated: 4500 ml

Sampling Time: 1218      Sampling Date: 10/8/13

Sample I.D.: GMMW-54      Laboratory: CALSICM

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

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

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 130710-MH1	Client: PARSONS @ NORWALK
Sampler: (M)	Gauging Date: 10/8/13
Well I.D.: GMW-50	Well Diameter (in.): 2 3 (4) 6 8
Total Well Depth (ft.): 44.253810	Depth to Water (ft.): 29.81
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVE) Grade	Flow Cell Type: Res Plus

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1311      Flow Rate: 200 ml/min      Pump Depth: 37

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or μS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1314	23.4	6.87	1501	17.2	1.30	144.9	600	29.88
1317	23.4	6.87	1494	13.9	1.07	91.6	1200	29.88
1320	23.3	6.87	1492	13.3	1.08	87.6	1800	29.88
1323	23.4	6.88	1493	12.6	1.02	79.6	2400	29.88
1326	23.4	6.88	1494	12.2	1.05	71.4	3000	29.88

Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Amount actually evacuated: 3000 mL
Sampling Time: 1327	Sampling Date: 10/8/13
Sample I.D.: GMW-58	Laboratory: CAUSCEA @
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
Equipment Blank I.D.: @	Duplicate I.D.:



## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131009-MHI	Client: Parsons
Sampler: SR	Gauging Date: 10-9-13
Well I.D.: 6MW-59	Well Diameter (in.): 2 3 <u>4</u> 6 8
Total Well Depth (ft.): 54.25	Depth to Water (ft.): 29.11
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI ProPlus

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1038      Flow Rate: 200 mL/min      Pump Depth: 40-41'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1041	22.7	6.93	1451	5	0.73	-147.9	600	29.15
1044	22.7	6.90	1443	5	0.65	-154.1	1200	29.16
1047	22.6	6.88	1435	5	0.52	-158.7	1800	29.16
1050	22.5	6.87	1429	5	0.47	-163.1	2400	29.16
1053	22.5	6.86	1424	5	0.45	-165.4	3000	29.16

Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Amount actually evacuated: 3 L
Sampling Time: 1054	Sampling Date: 10-9-13
Sample I.D.: 6MW-59	Laboratory: Calsonic
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: Seoloc
Equipment Blank I.D.: @	Duplicate I.D.: 6MW-59 dup

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007-MR11	Client: PARSONS
Sampler: SR	Gauging Date: 10-9-13
Well I.D.: GIMW-60	Well Diameter (in.): 2 3 4 6 8
Total Well Depth (ft.): 39.87	Depth to Water (ft.): 31.22
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI Pro Plus

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 0955      Flow Rate: 200 mL/min      Pump Depth: 35'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0958	22.1	6.73	2707	5	0.53	-65.2	600	31.24
1001	22.1	6.72	2714	5	0.48	-70.8	1200	31.25
1004	22.1	6.72	2715	5	0.43	-78.4	1800	31.25
1007	22.2	6.71	2715	5	0.40	-81.5	2400	31.25
1010	22.2	6.71	2716	4	0.39	-83.2	3000	31.25

Did well dewater? Yes  No       Amount actually evacuated: 3 L

Sampling Time: 1011      Sampling Date: 10-9-13

Sample I.D.: GIMW-60      Laboratory: CalScience

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

Equipment Blank I.D.: @ \_\_\_\_\_      Duplicate I.D.: GIMW-60 dup

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 137710-MH1	Client: PARSONS @ NORWALK
Sampler: (W)	Gauging Date: 10/8/13
Well I.D.: GMMW-61	Well Diameter (in.): 2 3 (4) 6 8
Total Well Depth (ft.): 39.81	Depth to Water (ft.): 30.66
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: Pro Plus

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1330      Flow Rate: 20 mL/min      Pump Depth: 56

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1341	22.6	6.85	2029	10.9	1.33	125.3	600	30.66
1344	22.5	6.85	2028	7.64	1.05	94.8	1200	30.66
1347	22.5	6.85	2029	5.21	1.02	93.1	1800	30.66
1350	22.5	6.86	2024	5.16	0.95	86.6	2400	30.66
1353	22.5	6.86	2022	5.11	0.96	83.3	3000	30.66

Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Amount actually evacuated: 3000 mL
Sampling Time: 1354	Sampling Date: 10/8/13
Sample I.D.: GMMW-61	Laboratory: CARSCARA
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
Equipment Blank I.D.: @	Duplicate I.D.: GMMW-61 DUP



## LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>130710-MH1</u>	Client: <u>Parsons @ Newark</u>
Sampler: <u>(W)</u>	Gauging Date: <u>10/7/13</u>
Well I.D.: <u><del>40</del> GMW63</u>	Well Diameter (in.): 2 3 <u>(4)</u> 6 8
Total Well Depth (ft.): <u>40.00</u>	Depth to Water (ft.): <u>31.80</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVE)</u> Grade	Flow Cell Type: <u>Pro Plus</u>

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

Start Purge Time: 1312      Flow Rate: 200 mL/min      Pump Depth: 36

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1309	21.3	7.21	1531	21.1	2.61	209.4	600	31.94
1312	20.3	7.11	1512	15.4	2.12	200.8	1200	32.00
1315	20.2	7.10	1514	14.4	2.18	200.3	1800	32.00
1318	20.1	7.11	1512	13.7	2.24	205.7	2400	32.00
1321	20.1	7.11	1509	13.3	2.28	205.4	3000	32.00

Did well dewater? Yes (No)      Amount actually evacuated: 3000 mL

Sampling Time: 1322      Sampling Date: 10/7/13

Sample I.D.: GMW-40      Laboratory: CA MSCEN CO.

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

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



## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007-SR1	Client: Parsons
Sampler: SA	Gauging Date: 10-7-13
Well I.D.: bmw-65	Well Diameter (in.): 2 3 <u>4</u> 6 8
Total Well Depth (ft.): 40.62	Depth to Water (ft.): 31.59
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PYC Grade	Flow Cell Type: YSI P-605

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1308      Flow Rate: 200 mL/min      Pump Depth: \_\_\_\_\_

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1311	23.3	6.88	2610	14	2.11	23.3	600	31.64
1314	23.3	6.86	2623	10	1.91	29.9	1200	31.65
1317	22.9	6.85	2631	10	1.87	34.7	1800	31.65
1320	22.8	6.84	2638	9	1.85	38.1	2400	31.65
1323	22.7	6.83	2643	8	1.84	41.3	3000	31.65
1326	22.6	6.83	2640	8	1.81	42.9	3600	31.65

Did well dewater? Yes  No       Amount actually evacuated: 3.64  
 Sampling Time: ~~1326~~ 1327      Sampling Date: 10-7-13  
 Sample I.D.: bmw-65      Laboratory: Cal Science  
 Analyzed for: TPH-G BTEX MTBE TPH-D      Other: See GC  
 Equipment Blank I.D.: @      Duplicate I.D.:



## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007-MH1	Client: Parsons
Sampler: SA	Gauging Date: 10-7-13
Well I.D.: BMW-66	Well Diameter (in.): 2 3 4 6 8
Total Well Depth (ft.): 39.52	Depth to Water (ft.): 32.02
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: Yes Papiel

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1415      Flow Rate: 200 mL/min      Pump Depth: 34.5

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1418	23.2	6.89	1802	10	1.33	35.7	600	32.11
1421	23.1	6.87	1804	8	1.25	38.4	1200	32.12
1424	23.0	6.86	1807	8	1.21	41.8	1800	32.12
1427	23.0	6.86	1810	7	1.18	44.4	2400	32.12
1430	23.1	6.85	1814	7	1.15	46.2	3000	33.12
1433	23.0	6.85	1815	7	1.13	49.1	3600	33.12

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 3.6L
Sampling Time: 1434	Sampling Date: 10-7-13
Sample I.D.: BMW-66	Laboratory: Calscience
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See COC
Equipment Blank I.D.: @	Duplicate I.D.:

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 130710-M41	Client: Parsons @ Norwalk
Sampler: (M)	Gauging Date: 10/7/13
Well I.D.: GW-2	Well Diameter (in.): 2 3 (4) 6 8
Total Well Depth (ft.): 58.06	Depth to Water (ft.): 30.90
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: Pro Plus

Purge Method: 2" Grundfos Pump                      Peristaltic Pump                      Bladder Pump  
 Sampling Method: Dedicated Tubing                      New Tubing                      Other \_\_\_\_\_  
 Start Purge Time: 1038                      Flow Rate: 300 mL/min                      Pump Depth: 39

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or (µS/cm))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1041	22.2	7.06	3123	52.7	2.94	72.5	900	30.94
1044	22.1	7.06	3119	39.2	3.03	45.3	1800	30.94
1047	22.2	7.06	3093	32.5	3.19	27.2	2700	30.94
1050	22.2	7.06	3076	29.4	3.33	15.5	3600	30.94
1053	22.4	7.06	3049	29.6	3.46	10.5	4500	30.94
1056	22.4	7.06	3047	29.4	3.43	9.1	5400	30.94

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: 5400 mL
Sampling Time: 1054	Sampling Date: 10/7/13
Sample I.D.: GW-2	Laboratory: CAESION e
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
Equipment Blank I.D.: @	Duplicate I.D.:

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 130710-MH1	Client: Parsons@Norwalk
Sampler: (M)	Gauging Date: 10/7/13
Well I.D.: GW-3	Well Diameter (in.): 2 3 (4) 6 8
Total Well Depth (ft.): 54.78	Depth to Water (ft.): 31.00
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: Pro Plus

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

Start Purge Time: 0948      Flow Rate: 300 mL/min      Pump Depth: 43

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or μS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0952	22.7	7.02	3051	33.2	2.18	1358	900	31.04
0955	22.6	7.02	3094	34.6	1.70	56.9	1800	31.04
0958	22.6	7.02	3100	24.9	1.71	39.3	2700	31.04
1001	22.7	7.02	3103	17.8	1.46	19.0	3600	31.04
1004	22.6	7.02	3106	16.9	1.16	19.2	4500	31.04
1007	22.6	7.02	3107	16.6	1.43	17.8	5400	31.04

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

Sampling Time: 1008      Sampling Date: 10/1/13

Sample I.D.: GW-3      Laboratory: CASCIA

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

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

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 130710-MH1	Client: Parsons @ Newark
Sampler: (M)	Gauging Date: 10/8/13
Well I.D.: GW-6	Well Diameter (in.): 2 3 (4) 6 8
Total Well Depth (ft.): 59.33	Depth to Water (ft.): 31.72
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: Pro Plus

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 0940      Flow Rate: 300 mL/min      Pump Depth: 46

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0943	21.5	6.89	768	178	1.57	123.9	900	31.72
0946	21.4	6.89	769	99.8	1.58	115.8	1800	31.72
0949	21.5	6.89	768	75.4	1.41	104.2	2700	31.72
0952	21.4	6.89	767	71.2	1.45	102.6	3600	31.72
0955	21.4	6.89	763	72.4	1.41	99.7	4500	31.72

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: 4500 mL
Sampling Time: 0956	Sampling Date: 10/8/13
Sample I.D.: GW-6	Laboratory: CAISCO
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
Equipment Blank I.D.: @	Duplicate I.D.:

## LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>131007-MH1</u>	Client: <u>Parsons</u>
Sampler: <u>SR</u>	Gauging Date: <u>10-9-13</u>
Well I.D.: <u>6W-8</u>	Well Diameter (in.): 2 3 <u>(4)</u> 6 8
Total Well Depth (ft.): <u>53.76</u>	Depth to Water (ft.): <u>31.38</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI P-6165</u>

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing SR      New Tubing      Other \_\_\_\_\_

Start Purge Time: 1336      Flow Rate: 200 ml/min      Pump Depth: 42.5'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1339	20.8	6.78	1103	<del>7</del> <u>7</u>	0.96	-41.5	600	31.43
1342	20.8	6.77	1108	7	0.81	-46.6	1200	31.43
1345	20.9	6.76	1110	7	0.76	-50.7	1800	31.43
1348	21.0	6.75	1111	6	0.74	-53.2	2400	31.43
1351	21.0	6.74	1113	6	0.71	-55.3	3000	31.44
1354	21.0	6.74	1116	6	0.68	-57.0	3600	31.44

Did well dewater? Yes  No       Amount actually evacuated: 366

Sampling Time: 1355      Sampling Date: 10-9-13

Sample I.D.: 6W-8      Laboratory: CalScience

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

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

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007-MH1	Client: Parsons
Sampler: SR	Gauging Date: 10-9-13
Well I.D.: GW-13	Well Diameter (in.): 2 3 4 <u>6</u> 8
Total Well Depth (ft.): 40.12	Depth to Water (ft.): 31.98
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YS / PWPWS

Purge Method: 2" Grundfos Pump      Peristaltic Pump      ~~Bladder Pump~~  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1205      Flow Rate: 200 ml/min      Pump Depth: 36'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1205	20.4	6.87	1883	20	1.31	-100.2	600	32.01
1211	20.5	6.84	1899	18	1.26	-106.2	1200	32.02
1214	20.4	6.83	1894	18	1.23	-110.4	1800	32.02
1217	20.4	6.82	1897	18	1.21	-112.8	2400	32.02
1220	20.4	6.81	1901	17	1.19	-114.6	3000	32.02

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 3L
Sampling Time: 1221	Sampling Date: 10-9-13
Sample I.D.: GW-13	Laboratory: Calserance
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See COC
Equipment Blank I.D.: @	Duplicate I.D.:

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007-AAH1	Client: Parsons
Sampler: SR	Gauging Date: 10-9-13
Well I.D.: 6W-14	Well Diameter (in.): 2 3 4 6 8
Total Well Depth (ft.): 60.02	Depth to Water (ft.): 31.93
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: 451 ProPlus

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1245      Flow Rate: 2.17 mL/min      Pump Depth: 46'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1248	21.0	6.63	1466	5	1.42	-131.1	600	31.91
1251	21.0	6.62	1459	4	1.37	-134.6	1200	31.92
1254	20.9	6.61	1454	4	1.34	-137.2	1800	31.93
1257	20.9	6.61	1451	4	1.32	-140.0	2400	31.93
1300	20.8	6.60	1447	3	1.30	-141.9	3000	31.93

Did well dewater? Yes    No	Amount actually evacuated: 3L
Sampling Time: 1301	Sampling Date: 10-9-13
Sample I.D.: 6W-14	Laboratory: Calsonic
Analyzed for: TPH-G    BTEX    MTBE    TPH-D	Other: Sealed
Equipment Blank I.D.: @	Duplicate I.D.: 6W-14 dup





## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131009-MH11	Client: Parsons
Sampler: SC	Gauging Date: 10-9-13
Well I.D.: GW-16	Well Diameter (in.): 2 3 4 (6) 8 <del>4.5</del> 8
Total Well Depth (ft.): 61.72	Depth to Water (ft.): 32.02
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVO Grade	Flow Cell Type: 451 Pro Plus

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

Start Purge Time: 0745      Flow Rate: 200 mL/min      Pump Depth: 47'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or ml)	Depth to Water (ft.)
0748	21.3	6.85	1777	40	0.87	-45.1	600	32.08
0751	21.4	6.83	1792	36	0.81	-52.4	1200	32.09
0754	21.4	6.82	1808	32	0.76	-58.6	1800	32.09
0757	21.4	6.81	1814	32	0.73	-63.1	2400	32.09
0800	21.3	6.80	1818	31	0.71	-65.8	3000	32.09

Did well dewater? Yes    No      Amount actually evacuated: 3L

Sampling Time: 0801      Sampling Date: 10-9-13

Sample I.D.: GW-16      Laboratory: CalSci

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

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

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 130710-MH-1	Client: Parsons@Norwalk
Sampler: (W)	Gauging Date: 10/8/13
Well I.D.: MW-13	Well Diameter (in.): 2 3 (4) 6 8
Total Well Depth (ft.): 51.00	Depth to Water (ft.): 33.41
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: Peo Plus

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1126      Flow Rate: 200 ml/min      Pump Depth: \_\_\_\_\_

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or ml)	Depth to Water (ft.)
1129	22.2	7.09	1524	11.6	1.65	200.6	600	33.41
1132	22.1	7.02	1527	61.2	1.62	200.1	1200	33.47
1135	22.1	7.02	1530	32.4	1.61	198.7	1800	33.47
1138	22.1	7.02	1531	24.1	1.57	196.4	2400	33.47
1141	22.0	7.02	1531	23.6	1.59	197.1	3000	33.47
1144	22.1	7.02	1530	23.3	1.56	196.9	3600	33.47

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: 3600 ml
Sampling Time: 1145	Sampling Date: 10/8/13
Sample I.D.: MW-13	Laboratory: CAESCIENCE
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: _____
Equipment Blank I.D.: @ _____	Duplicate I.D.: _____

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 130710-MW1	Client: Parsons @ Newark
Sampler: (W)	Gauging Date: 10/8/13
Well I.D.: MW-17	Well Diameter (in.): 2 3 (4) 6 8
Total Well Depth (ft.): 51.46	Depth to Water (ft.): 32.80
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: Pro Plus

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1232      Flow Rate: 500 mL/min      Pump Depth: 40

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or μS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1235	22.7	7.29	1803	23.3	1.30	179.4	900	32.86
1238	22.6	7.29	1807	20.6	1.28	179.1	1800	32.86
1241	22.5	7.28	1811	17.1	1.12	178.2	2700	32.86
1244	22.5	7.28	1814	16.6	1.08	177.6	3600	32.86
1247	22.5	7.28	1815	16.4	1.05	177.4	4800	32.86

Did well dewater? Yes  No       Amount actually evacuated: 4500 mL  
 Sampling Time: 1248      Sampling Date: 10/8/13  
 Sample I.D.: MW-17      Laboratory: Causcience  
 Analyzed for: TPH-G BTEX MTBE TPH-D      Other: \_\_\_\_\_  
 Equipment Blank I.D.: @      Duplicate I.D.: \_\_\_\_\_

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 130410-MH1	Client: PARSONS @ Newark
Sampler: (A)	Gauging Date: 10/8/13
Well I.D.: MW-24	Well Diameter (in.): 2 3 (4) 6 8
Total Well Depth (ft.): 47.21	Depth to Water (ft.): 33.89
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: Pro Plus

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1020      Flow Rate: 200 mL/min      Pump Depth: 37

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or μS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or ml)	Depth to Water (ft.)
1024	22.6	7.10	1231	25.3	1.56	176.3	600	33.89
1027	22.5	7.09	1232	18.6	1.46	174.2	1200	33.89
1030	22.5	7.09	1233	16.9	1.42	173.7	1800	33.89
1033	22.5	7.09	1233	16.6	1.41	<del>173.3</del> 173.3	2400	33.89
1036	22.5	7.09	1235	15.7	1.39	170.9	3000	33.89

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 3000 ML
Sampling Time: 1037	Sampling Date: 10/8/13
Sample I.D.: MW-24	Laboratory: AECSCM
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
Equipment Blank I.D.: @	Duplicate I.D.:

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007-M11	Client: Parsons
Sampler: SR	Gauging Date: 10-8-13
Well I.D.: MW-26	Well Diameter (in.): 2 3 <u>4</u> 6 8
Total Well Depth (ft.): 47.19	Depth to Water (ft.): 32.54
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI ProPlus

Purge Method: 2" Grundfos Pump      Peristaltic Pump      ~~Bladder Pump~~  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1135      Flow Rate: 200ml/min      Pump Depth: 30'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or ml)	Depth to Water (ft.)
1138	22.1	6.66	1761	3	0.97	-96.4	600	32.58
1141	22.2	6.64	1781	3	0.92	-99.7	1200	32.59
1144	22.2	6.63	1796	3	0.84	-102.4	1800	32.59
1147	22.1	6.62	1813	3	0.80	-105.8	2400	32.59
1150	22.1	6.61	1820	3	0.78	-106.9	3000	32.59
1153	22.1	6.60	1832	2	0.76	-107.6	3600	32.59

Did well dewater? Yes  No       Amount actually evacuated: 3.66

Sampling Time: 1154      Sampling Date: 10-8-13

Sample I.D.: MW-26      Laboratory: Calsonet

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

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

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007-MHI	Client: Parsons
Sampler: SL	Gauging Date: 10-8-13
Well I.D.: MW-27	Well Diameter (in.): 2 3 <u>4</u> 6 8
Total Well Depth (ft.): 52.18	Depth to Water (ft.): 33.62
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: ISI PIPES

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 0810      Flow Rate: 200 mL/min      Pump Depth: 39'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0813	21.5	6.52	1987	2	1.24	-73.9	600	33.74
0816	21.5	6.50	2001	2	1.10	-79.4	1200	33.75
0819	21.5	6.48	2014	2	1.02	-85.1	1800	33.75
0822	21.5	6.47	2021	2	0.97	-93.4	2400	33.75
0825	21.4	6.46	2032	2	0.94	-95.2	3000	33.75
0828	21.5	6.46	2039	2	0.91	-97.5	3600	33.75

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 3.6L
Sampling Time: 0829	Sampling Date: 10-8-13
Sample I.D.: MW-27	Laboratory: CalSaver
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See COC
Equipment Blank I.D.: @ <small>Time</small>	Duplicate I.D.:



## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007-MH1	Client: Parsons
Sampler: SC	Gauging Date: 10-8-13
Well I.D.: MW-29	Well Diameter (in.): 2 3 <u>4</u> 6 8
Total Well Depth (ft.): 51.92	Depth to Water (ft.): 34.22
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: ISI ProPlus

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump

Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_

Start Purge Time: 1224      Flow Rate: 200 mL/min      Pump Depth: 43'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1227	23.3	6.76	1561	5	0.52	-87.1	600	34.28
1230	23.3	6.74	1584	5	0.45	-94.5	1200	34.28
1233	23.2	6.73	1592	5	0.43	-99.4	1800	34.29
1236	23.2	6.72	1600	4	0.41	-102.8	2400	34.29
1239	23.1	6.71	1606	4	0.41	-105.0	3000	34.29

Did well dewater? Yes  No       Amount actually evacuated: 3L

Sampling Time: 1240      Sampling Date: 10-8-13

Sample I.D.: MW-29      Laboratory: Calsonnet

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

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

## LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>131007-MH1</u>	Client: <u>Parsons</u>
Sampler: <u>SR</u>	Gauging Date: <u>10-10-13</u>
Well I.D.: <u>TF-8</u>	Well Diameter (in.): 2 3 <u>4</u> 6 8
Total Well Depth (ft.): <u>60.12</u>	Depth to Water (ft.): <u>30.02</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI ProPlus</u>

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 0740      Flow Rate: 200 ml/min      Pump Depth: 45'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or ml)	Depth to Water (ft.)
0743	21.6	6.84	1476	8	0.73	-49.1	600	30.08
0746	21.6	6.82	1491	8	0.69	-56.2	1200	30.09
0749	21.6	6.81	1485	7	0.66	-60.4	1800	30.09
0752	21.7	6.81	1489	6	0.66	-64.1	2400	30.09
0755	21.7	6.80	1491	6	0.65	-66.9	3000	30.09

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: <u>3L</u>
Sampling Time: <u>0756</u>	Sampling Date: <u>10-10-13</u>
Sample I.D.: <u>TF-8</u>	Laboratory: <u>CalScienvet</u>
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: <u>Seritol</u>
Equipment Blank I.D.: _____ @ _____ Time	Duplicate I.D.: _____

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007- <del>MH1</del>	Client: Parsons
Sampler: SR	Gauging Date: 10-10-13
Well I.D.: TF-9	Well Diameter (in.): 2 3 <u>4</u> 6 8
Total Well Depth (ft.): 49.64	Depth to Water (ft.): 29.64
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI ProPlus

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 0823      Flow Rate: 200 mL/min      Pump Depth: 39.5'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0826	21.8	6.72	1552	10	0.81	-52.4	600	29.67
0829	21.8	6.71	1555	9	0.76	-56.6	1200	29.68
0832	21.7	6.72	1556	9	0.73	-58.0	1800	29.68
0835	21.7	6.71	1559	9	0.70	-59.9	2400	29.68
0838	21.7	6.70	1561	8	0.68	-61.8	3000	29.68
0841	21.6	6.69	1564	7	0.67	-62.6	3600	29.68

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 3.6L
Sampling Time: 0842	Sampling Date: 10-10-13
Sample I.D.: TF-9	Laboratory: Calserve
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: Spill
Equipment Blank I.D.: EB-10/10/13 @ Time 0810	Duplicate I.D.:

## LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>131007-MH1</u>	Client: <u>Parsons</u>
Sampler: <u>SC</u>	Gauging Date: <u>10-8-13</u>
Well I.D.: <u>TF-16</u>	Well Diameter (in.): 2 3 <input checked="" type="radio"/> 6 8
Total Well Depth (ft.): <u>59.62</u>	Depth to Water (ft.): <u>30.92</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI ProPlus</u>

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1352      Flow Rate: 200 mL/min      Pump Depth: 45'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1355	25.4	6.68	1361	14	2.78	-42.5	600	30.91
1358	25.2	6.66	1428	10	2.69	-51.1	1200	30.92
1401	25.1	6.65	1467	10	2.00	-58.1	1800	30.92
1404	25.2	6.64	1474	9	1.14	-65.2	2400	30.92
1407	25.2	6.63	1478	9	0.86	-69.7	3000	30.92
1410	25.1	6.63	1483	8	0.80	-73.2	3600	30.92
1413	25.1	6.62	1487	8	0.76	-75.2	4200	30.92

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: <u>3.6L 4.2L</u>
Sampling Time: <u>1414</u>	Sampling Date: <u>10-8-13</u>
Sample I.D.: <u>TF-16</u>	Laboratory: <u>Calscience</u>
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: <u>See COC</u>
Equipment Blank I.D.: <u>EA-10168/13</u> @ Time <u>1345</u>	Duplicate I.D.:









## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007-MHI	Client: Parsons
Sampler: SR	Gauging Date: 10-8-13
Well I.D.: TF-21	Well Diameter (in.): 2 3 ④ 6 8
Total Well Depth (ft.): 59.21	Depth to Water (ft.): 30.11
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YS1 ProPlus

Purge Method: 2" Grundfos Pump      Peristaltic Pump      ~~Bladder~~ Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1312      Flow Rate: 200 mL/min      Pump Depth: 44.5'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1315	25.2	6.64	1806	8	1.22	-100.5	600	30.18
1318	24.9	6.62	1821	8	1.15	-108.2	1200	30.19
1321	24.8	6.61	1829	7	1.11	-112.2	1800	30.19
1324	24.8	6.61	1833	7	1.08	-116.7	2400	30.19
1327	24.8	6.60	1837	7	1.02	-121.2	3000	30.19
1330	24.7	6.61	1840	6	0.98	-124.4	3600	30.19

Did well dewater? Yes  No       Amount actually evacuated: 3.6L  
 Sampling Time: 1331      Sampling Date: 10-8-13  
 Sample I.D.: TF-21      Laboratory: Calserve  
 Analyzed for: TPH-G BTEX MTBE TPH-D      Other: See COC  
 Equipment Blank I.D.: @ \_\_\_\_\_      Duplicate I.D.: \_\_\_\_\_



## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007-MH1	Client: Parsons
Sampler: SC	Gauging Date: 10-10-13
Well I.D.: TF-24	Well Diameter (in.): 2 3 (4) 6 8
Total Well Depth (ft.): 52.02	Depth to Water (ft.): 31.78
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI ProPlus

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 0705      Flow Rate: 200 ml/min      Pump Depth: 42'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0708	19.7	6.94	1107	8	1.49	-17.0	600	31.82
0711	20.9	6.87	1154	8	1.41	-24.8	1200	31.83
0714	20.9	6.85	1171	8	1.37	-29.2	1800	31.83
0717	20.9	6.84	1183	7	1.35	-33.4	2400	31.83
0720	21.0	6.83	1192	7	1.34	-35.4	3000	31.83

Did well dewater? Yes  No       Amount actually evacuated: 3L  
 Sampling Time: 0721      Sampling Date: 10-10-13  
 Sample I.D.: TF-24      Laboratory: CalSciEnv  
 Analyzed for: TPH-G BTEX MTBE TPH-D      Other: See 10C  
 Equipment Blank I.D.: @      Duplicate I.D.:

## LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>131009-MH1</u>	Client: <u>Parsens</u>
Sampler: <u>SR</u>	Gauging Date: <u>10-9-13</u>
Well I.D.: <u>PZ-3</u>	Well Diameter (in.): <u>2</u> 3 4 6 8
Total Well Depth (ft.): <u>56.42</u>	Depth to Water (ft.): <u>31.32</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVO</u> Grade	Flow Cell Type: <u>YSI ProPlus</u>

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

Start Purge Time: 0835      Flow Rate: 200 mL/min      Pump Depth: 44'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
<u>0838</u>	<u>22.1</u>	<u>6.64</u>	<u>1241</u>	<u>24</u>	<u>2.63</u>	<u>-83.2</u>	<u>600</u>	<u>31.46</u>
<u>0841</u>	<u>22.1</u>	<u>6.62</u>	<u>1229</u>	<u>24</u>	<u>2.57</u>	<u>-87.9</u>	<u>1200</u>	<u>31.47</u>
<u>0844</u>	<u>22.1</u>	<u>6.61</u>	<u>1224</u>	<u>24</u>	<u>2.54</u>	<u>-90.4</u>	<u>1800</u>	<u>31.47</u>
<u>0847</u>	<u>22.1</u>	<u>6.60</u>	<u>1220</u>	<u>23</u>	<u>2.52</u>	<u>-93.1</u>	<u>2400</u>	<u>31.47</u>
<u>0850</u>	<u>22.0</u>	<u>6.59</u>	<u>1216</u>	<u>22</u>	<u>2.50</u>	<u>-95.6</u>	<u>3000</u>	<u>31.47</u>

Did well dewater? Yes  No       Amount actually evacuated: 3L

Sampling Time: 0851      Sampling Date: 10-9-13

Sample I.D.: PZ-3      Laboratory: CalScout

Analyzed for:      TPH-G    BTEX    MTBE    TPH-D      Other: Sox/CoC

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

# BLAINE

ECH SERVICES, INC.

1680 ROGERS AVENUE  
 SAN JOSE, CALIFORNIA 95112-1105  
 FAX (408) 573-7771  
 PHONE (408) 573-0555

## CONDUCT ANALYSIS TO DETECT

LAB: Calscience PM: Ranjit Clark

DHS #

### MUST MEET SPECIFICATIONS

- EPA  
 LIA  
 OTHER

RWQCB REGION

### SPECIAL INSTRUCTIONS

Invoice and Report to:

Parsons - Mary Lucas (mary.lucas@parsons.com)

100 W Walnut St., Pasadena, CA 91124 (626) 440-6032

Project # 746442

### CHAIN OF CUSTODY

CLIENT: Parsons

SITE: DFSP Norwalk

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS		VOC's (including BTEX, MTBE, TBA, EPA 8260)	TPHd (8015)	TPHg (8015)				ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
			W = H2O	TOTAL											
<del>501</del>	<del>10/07/13</del>	<del>0800</del>	W	3	1cc	X		(W)							
IP-5	10/7/13	0808	W	7	HCC/none	X	X	X							
XP-1		0840				X	X	X							
IP-2		0928				X	X	X							
W-3		1008				X	X	X							
W-2		1057				X	X	X							
MW-41		1133				X	X	X							
MW-63		1322				X	X	X							
MW-64	10/7/13	1354	W	7	HCC/none	X	X	X							
	<del>10/7/13</del>		W	7	HCC/none	X	X	X							

MPLING COMPLETED: DATE 10/7/13 TIME 1545 SAMPLING PERFORMED BY Matt Housler

RESULTS NEEDED NO LATER THAN Standard

LEASED BY:	DATE: 10/7/13	TIME: 1545	RECEIVED BY:	DATE: 10/7/13	TIME: 1545
LEASED BY: Nicole	DATE: 10/7/13	TIME: 17:20	RECEIVED BY:	DATE: 10/07/13	TIME: 17:20
LEASED BY:	DATE:	TIME:	RECEIVED BY:	DATE:	TIME:

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #
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# BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE  
 SAN JOSE, CALIFORNIA 95112-1105  
 FAX (408) 573-7771  
 PHONE (408) 573-0555

## CONDUCT ANALYSIS TO DETECT

LAB: Calscience PM: Ranjit Clark DHS #

MUST MEET SPECIFICATIONS

EPA  RWQCB REGION  
 LIA  
 OTHER

CHAIN OF CUSTODY

CLIENT: **Parsons**

SITE: **DFSP Norwalk**

SPECIAL INSTRUCTIONS

Invoice and Report to:  
 Parsons - Mary Lucas (mary.lucas@parsons.com)  
 100 W Walnut St., Pasadena, CA 91124 (626) 440-6032  
 Project # 746442

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS		VOC's (including BTEX, MTBE, TBA, EPA 8260)	TPHd (8015)	TPHg (8015)							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
			W = H2O	TOTAL														
<del>B-02</del>	<del>10/7/2013</del>	<del>0755</del>	<del>w</del>	<del>3</del>	<del>Vials</del>	<del>X</del>												<del>SC</del>
MW-19	10/7/2013	0819	w	7	Vials Amber	X	X	X										
MW-43		0904		7		X	X	X										
MW-31		0959		7		X	X	X										
MW-22(mid)		1045		7		X	X	X										
MW-44		1143		7		X	X	X										
MW-65		1327		7		X	X	X										
MW-66		1434		7		X	X	X										
B-10/07/13	10/7/13	1410	w	3	Vials	X												
B-10/07/13	10/7/13	0700	w	3		X												

SAMPLING COMPLETED: DATE 10-7-13 TIME 1545  
 SAMPLING PERFORMED BY: Samuel Ramirez, Matt Hausen  
 RESULTS NEEDED NO LATER THAN: Standard

RELEASED BY: [Signature] DATE 10-7-13 TIME 1545 RECEIVED BY: Nicole DATE 10/7/13 TIME 1545

RELEASED BY: Nicole DATE 10/7/13 TIME 17:20 RECEIVED BY: [Signature] DATE 10/07/13 TIME 17:20

RELEASED BY: [Signature] DATE [Signature] TIME [Signature] RECEIVED BY: [Signature] DATE [Signature] TIME [Signature]

SHIPPED VIA: DATE SENT: TIME SENT: COOLER #:

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 SAN JOSE, CALIFORNIA 95112-1105  
 FAX (408) 573-7771  
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## CONDUCT ANALYSIS TO DETECT

LAB: Calscience PM: Ranjit Clark

DHS #

### MUST MEET SPECIFICATIONS

- EPA
- LIA
- OTHER

RWQCB REGION

### SPECIAL INSTRUCTIONS

Invoice and Report to:

Parsons - Mary Lucas (mary.lucas@parsons.com)

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Project # 746442

ADD'L INFORMATION      STATUS      CONDITION      LAB SAMPLE #

CHAIN OF CUSTODY

CLIENT: **Parsons**

SITE: **DFSP Norwalk**

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS		VOC's (including BTEX, MTBE, TBA, EPA 8260)	TPHd (8015)	TPHg (8015)							
			W = H2O	TOTAL											
3-10108/2013	10/8/2013	0700	W	3	Voas	X									
MW-40		0744		7	Voas Amber	X	X	X							
v-27		0829		7		X	X	X							
MW-12		0909		7		X	X	X							
MW-32		0941		7		X	X	X							
MW-15		1021		7		X	X	X							
MW-47		1113		7		X	X	X							
MW-26		1154		7		X	X	X							
MW-29		1240		7		X	X	X							
TF-21		1331		7		X	X	X							

SAMPLING COMPLETED: DATE 10-8-13 / TIME 1515  
 SAMPLING PERFORMED BY: Samuel Ramirez  
 RESULTS NEEDED NO LATER THAN: Standard

RELEASED BY: [Signature] DATE 10-8-13 TIME 1515 RECEIVED BY: Nicole DATE 10/8/13 TIME 1515

RELEASED BY: Nicole DATE 10/9/13 TIME 1128 RECEIVED BY: Ranjit Clark DATE 10/9/13 TIME 1128

RELEASED BY: DATE DATE TIME TIME COOLER #



# BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE  
 SAN JOSE, CALIFORNIA 95112-1105  
 FAX (408) 573-7771  
 PHONE (408) 573-0555

## CONDUCT ANALYSIS TO DETECT

LAB: Calscience PM: Ranjit Clark DHS #

CHAIN OF CUSTODY

CLIENT **Parsons**

SITE **DFSP Norwalk**

MUST MEET SPECIFICATIONS  
 EPA  RWQCB REGION  
 LIA  
 OTHER

SPECIAL INSTRUCTIONS

Invoice and Report to:  
 Parsons - Mary Lucas (mary.lucas@parsons.com)  
 100 W Walnut St., Pasadena, CA 91124 (626) 440-6032  
 Project # 746442

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS		VOC's (including BTEX, MTBE, TBA, EPA 8260)	TPHd (8015)	TPHg (8015)							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
			W = H2O	TOTAL														
F-16	10-8-13	1414	w	7	Vis Amber	X	X	X										
B-10/08/13 S-10/08/13	10-8-13	1345	w	3	Vis	X												

SAMPLING COMPLETED **10-8-13 1515** | DATE | TIME | SAMPLING PERFORMED BY **Samuel Ramirez** | RESULTS NEEDED NO LATER THAN **Standard**

RELEASED BY *[Signature]* | DATE **10-8-13** | TIME **1515** | RECEIVED BY **Nicole** | DATE **10/8/13** | TIME **1515**

RELEASED BY **NICOLE** | DATE **10/9/13** | TIME **10/8/13 AM 1128** | RECEIVED BY **Randy A LEL** | DATE **10/9/13** | TIME **1128**

RELEASED BY | DATE | TIME | RECEIVED BY | DATE | TIME

SHIPPED VIA | DATE SENT | TIME SENT | COOLER #

# BLAINE

ECH SERVICES, INC.

1680 ROGERS AVENUE  
 SAN JOSE, CALIFORNIA 95112-1105  
 FAX (408) 573-7771  
 PHONE (408) 573-0555

## CONDUCT ANALYSIS TO DETECT

LAB: Calscience PM: Ranjit Clark

DHS #

MUST MEET SPECIFICATIONS

- EPA
- LIA
- OTHER

RWQCB REGION

SPECIAL INSTRUCTIONS

Invoice and Report to:

Parsons - Mary Lucas (mary.lucas@parsons.com)

100 W Walnut St., Pasadena, CA 91124 (626) 440-6032

Project # 746442

CHAIN OF CUSTODY

CLIENT: Parsons

SITE: DFSP Norwalk

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS		VOC's (including BTEX, MTBE, TBA, EPA 8260)	TPHd (8015)	TPHg (8015)				ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
			W = H2O	TOTAL											
<del>501</del>	<del>10/07/13</del>	<del>0800</del>	W	3	HCC	X		(W)							
IP-5	10/7/13	0808	W	7	HCC/none	X	X	X							
IP-1		0840				X	X	X							
IP-2		0928				X	X	X							
W-3		1008				X	X	X							
W-2		1057				X	X	X							
MW-41		1133				X	X	X							
MW-63		1322				X	X	X							
MW-64	10/7/13	1354	W	7	HCC/none	X	X	X							
	<del>10/7/13</del>		<del>W</del>	<del>7</del>	<del>HCC/none</del>	<del>X</del>	<del>X</del>	<del>X</del>							

AMPLING COMPLETED: DATE 10/7/13, TIME 1545, SAMPLING PERFORMED BY Matt Housler

RESULTS NEEDED NO LATER THAN Standard

LEASED BY: [Signature] DATE 10/7/13 TIME 1545 RECEIVED BY: S. Clustrom DATE 10/7/13 TIME 1545

LEASED BY: Nicole DATE 10/7/13 TIME 17:20 RECEIVED BY: [Signature] DATE 10/07/13 TIME 17:20

LEASED BY: DATE TIME RECEIVED BY: DATE TIME

SHIPPED VIA: DATE SENT TIME SENT COOLER #

# BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE  
 SAN JOSE, CALIFORNIA 95112-1105  
 FAX (408) 573-7771  
 PHONE (408) 573-0555

## CONDUCT ANALYSIS TO DETECT

LAB: Calscience PM: Ranjit Clark DHS #

MUST MEET SPECIFICATIONS

EPA  RWQCB REGION  
 LIA  
 OTHER

CHAIN OF CUSTODY

CLIENT: **Parsons**

SITE: **DFSP Norwalk**

SPECIAL INSTRUCTIONS

Invoice and Report to:  
 Parsons - Mary Lucas (mary.lucas@parsons.com)  
 100 W Walnut St., Pasadena, CA 91124 (626) 440-6032  
 Project # 746442

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS		VOC's (including BTEX, MTBE, TBA, EPA 8260)	TPHd (8015)	TPHg (8015)							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
			W = H2O	TOTAL														
<del>B-02</del>	<del>10/7/2013</del>	<del>0755</del>	<del>w</del>	<del>3</del>	<del>Vials</del>	<del>X</del>												<del>SC</del>
MW-19	10/7/2013	0819	w	7	Vials Amber	X	X	X										
MW-43		0904		7		X	X	X										
MW-31		0959		7		X	X	X										
MW-22(mid)		1045		7		X	X	X										
MW-44		1143		7		X	X	X										
MW-65		1327		7		X	X	X										
MW-66		1434		7		X	X	X										
B-10/07/13	10	1410	↓	3	Vials	X												
B-10/07/13	↓	0700	↓	3	↓	X												

SAMPLING COMPLETED: DATE 10-7-13 TIME 1545  
 SAMPLING PERFORMED BY: Samuel Ramirez, Matt Hausen  
 RESULTS NEEDED NO LATER THAN: Standard

RELEASED BY: [Signature] DATE 10-7-13 TIME 1545 RECEIVED BY: Nicole DATE 10/7/13 TIME 1545

RELEASED BY: Nicole DATE 10/7/13 TIME 17:20 RECEIVED BY: [Signature] DATE 10/07/13 TIME 17:20

RELEASED BY: [Signature] DATE [ ] TIME [ ] RECEIVED BY: [Signature] DATE [ ] TIME [ ]

SHIPPED VIA: DATE SENT [ ] TIME SENT [ ] COOLER # [ ]

# BLAINE

ECH SERVICES, INC.

1680 ROGERS AVENUE  
 SAN JOSE, CALIFORNIA 95112-1105  
 FAX (408) 573-7771  
 PHONE (408) 573-0555

## CONDUCT ANALYSIS TO DETECT

LAB: Calscience PM: Ranjit Clark

DHS #

### MUST MEET SPECIFICATIONS

- EPA
- LIA
- OTHER

RWQCB REGION

### SPECIAL INSTRUCTIONS

Invoice and Report to:

Parsons - Mary Lucas (mary.lucas@parsons.com)

100 W Walnut St., Pasadena, CA 91124 (626) 440-6032

Project # 746442

ADD'L INFORMATION      STATUS      CONDITION      LAB SAMPLE #

CHAIN OF CUSTODY

CLIENT: **Parsons**


SITE: **DFSP Norwalk**

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS		VOC's (including BTEX, MTBE, TBA, EPA 8260)	TPHd (8015)	TPHg (8015)						
			W = H2O	TOTAL										
3-10108/2013	10/8/2013	0700	W	3	Voas	X								
MW-40		0744		7	Voas Amber	X	X	X						
V-27		0829		7		X	X	X						
MW-12		0909		7		X	X	X						
MW-32		0941		7		X	X	X						
MW-15		1021		7		X	X	X						
MW-47		1113		7		X	X	X						
MW-26		1154		7		X	X	X						
MW-29		1240		7		X	X	X						
TF-21		1331		7		X	X	X						

SAMPLING COMPLETED: DATE 10-8-13 / TIME 1515

SAMPLING PERFORMED BY: **Samuel Ramirez**

RESULTS NEEDED NO LATER THAN: **Standard**

RELEASED BY:  DATE: 10-8-13 TIME: 1515 RECEIVED BY: **Nicole** DATE: 10/8/13 TIME: 1515

RELEASED BY: **Nicole** DATE: 10/9/13 TIME: 1128 RECEIVED BY: **Ranjit M. [EL]** DATE: 10/9/13 TIME: 1128

RELEASED BY: DATE: TIME: RECEIVED BY: DATE: TIME:

SHIPPED VIA: DATE SENT: TIME SENT: COOLER #:

# BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE  
 SAN JOSE, CALIFORNIA 95112-1105  
 FAX (408) 573-7771  
 PHONE (408) 573-0555

## CONDUCT ANALYSIS TO DETECT

LAB: Calscience PM: Ranjit Clark DHS #

CHAIN OF CUSTODY

CLIENT **Parsons**

SITE **DFSP Norwalk**


MUST MEET SPECIFICATIONS  
 EPA  RWQCB REGION  
 LIA  
 OTHER

SPECIAL INSTRUCTIONS

Invoice and Report to:  
 Parsons - Mary Lucas (mary.lucas@parsons.com)  
 100 W Walnut St., Pasadena, CA 91124 (626) 440-6032  
 Project # 746442

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS		VOC's (including BTEX, MTBE, TBA, EPA 8260)	TPHd (8015)	TPHg (8015)							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
			W = H2O	TOTAL														
F-16	10-8-13	1414	w	7	Vis Amber	X	X	X										
B-10/08/13 S-10/02	10-8-13	1345	w	3	Vis	X												

SAMPLING COMPLETED **10-8-13 1515** | DATE | TIME | SAMPLING PERFORMED BY **Samuel Ramirez** | RESULTS NEEDED NO LATER THAN **Standard**

RELEASED BY  | DATE **10-8-13** | TIME **1515** | RECEIVED BY **Nicole** | DATE **10/8/13** | TIME **1515**

RELEASED BY **NICOLE** | DATE **10/9/13** | TIME **10:01 AM** | RECEIVED BY **Randy A L** | DATE **10/9/13** | TIME **1128**

RELEASED BY | DATE | TIME | RECEIVED BY | DATE | TIME

SHIPPED VIA | DATE SENT | TIME SENT | COOLER #

# BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE  
 SAN JOSE, CALIFORNIA 95112-1105  
 FAX (408) 573-7771  
 PHONE (408) 573-0555

## CONDUCT ANALYSIS TO DETECT

LAB: Calscience PM: Ranjit Clark DHS #

MUST MEET SPECIFICATIONS  
 EPA  RWQCB REGION  
 LIA  
 OTHER

SPECIAL INSTRUCTIONS  
 Invoice and Report to:  
 Parsons - Mary Lucas (mary.lucas@parsons.com)  
 100 W Walnut St., Pasadena, CA 91124 (626) 440-6032  
 Project # 746442

CHAIN OF CUSTODY  
 CLIENT: Parsons  
 SITE: DFSP Norwalk

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS		VOC's (including BTEX, MTBE, TBA, EPA 8260)	TPHd (8015)	TPHg (8015)							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
			W = H2O	TOTAL														
MW-5	10/5/13	0801	W	7	Heel/None	X	X	X										
MW-6		0839				X	X	X										
MW-10		0919				X	X	X										
MW-6		0956				X	X	X										
MW-24		1037				X	X	X										
MW-56		1109				X	X	X										
MW-13		1145				X	X	X										
MW-57		1218				X	X	X										
MW-17		1248				X	X	X										
MW-58	10/8/13	1327	W	7	Heel/None	X	X	X										

SAMPLING COMPLETED: DATE 10/8/13 TIME 1420  
 SAMPLING PERFORMED BY: MATT HANSLER  
 RESULTS NEEDED NO LATER THAN: Standard

RELEASED BY: (Signature) DATE: 10/8/13 TIME: 1515  
 RECEIVED BY: (Signature) DATE: 10/8/13 TIME: 1515

RELEASED BY: Nicole DATE: 10/9/13 TIME: 1048  
 RECEIVED BY: (Signature) DATE: 10/9/13 TIME: 1128

RELEASED BY: DATE: TIME: RECEIVED BY: DATE: TIME:

SHIPPED VIA: DATE SENT: TIME SENT: COOLER #:



# BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE  
 SAN JOSE, CALIFORNIA 95112-1105  
 FAX (408) 573-7771  
 PHONE (408) 573-0555

## CONDUCT ANALYSIS TO DETECT

LAB: Calscience PM: Ranjit Clark

DHS #

MUST MEET SPECIFICATIONS

- EPA
- LIA
- OTHER

RWQCB REGION

SPECIAL INSTRUCTIONS

Invoice and Report to:

Parsons - Mary Lucas (mary.lucas@parsons.com)

100 W Walnut St., Pasadena, CA 91124 (626) 440-6032

Project # 746442

ADD'L INFORMATION      STATUS      CONDITION      LAB SAMPLE #

CHAIN OF CUSTODY

CLIENT: Parsons

SITE: DFSP Norwalk

SAMPLE I.D.	DATE	TIME	MATRIX		CONTAINERS		VOC's (including BTEX, MTBE, TBA, EPA 8260)	TPHd (8015)	TPHg (8015)							
			W = H2O	TOTAL												
10/09/13	10-9-13	0700	w	3			X									
v-16		0801		7			X	X	X							
P2-3		0851		7			X	X	X							
nw-17		0934		7			X	X	X							
nw-17dup		-		7			X	X	X							
nw-60		1011		7			X	X	X							
nw-60dup		-		7			X	X	X							
nw-59		1054		7			X	X	X							
nw-59dup		-		7			X	X	X							
nw-48		1139		7			X	X	X							

SAMPLING COMPLETED: DATE 10-9-13 / TIME 1530

SAMPLING PERFORMED BY: Samuel Ramirez

RESULTS NEEDED NO LATER THAN: Standard

RELEASED BY: [Signature]      DATE: 10-9-13      TIME: 1650      RECEIVED BY: Nicole      DATE: 10/9/13      TIME: 1650

RELEASED BY: Nicole      DATE: 10/10/13      TIME: 1148      RECEIVED BY: Randy M. CCL      DATE: 10/10/13      TIME: 1148

RELEASED BY:      DATE:      TIME:      RECEIVED BY:      DATE:      TIME:

SHIPPED VIA:      DATE SENT:      TIME SENT:      COOLER #:



# BLAINE

ECH SERVICES, INC.

1680 ROGERS AVENUE  
 SAN JOSE, CALIFORNIA 95112-1105  
 FAX (408) 573-7771  
 PHONE (408) 573-0555

## CONDUCT ANALYSIS TO DETECT

LAB: Calscience PM: Ranjit Clark DHS #

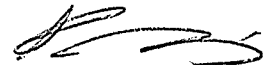
MUST MEET SPECIFICATIONS  
 EPA  RWQCB REGION  
 LIA  
 OTHER

SPECIAL INSTRUCTIONS  
  
 Invoice and Report to:  
 Parsons - Mary Lucas (mary.lucas@parsons.com)  
 100 W Walnut St., Pasadena, CA 91124 (626) 440-6032  
 Project # 746442

CHAIN OF CUSTODY  
 CLIENT **Parsons**  
 SITE **DFSP Norwalk**

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS		VOC's (including BTEX, MTBE, TBA, EPA 8260)	TPHd (8015)	TPHg (8015)							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #	
			W = H2O	TOTAL															
MW-13	10-9-13	1221	W	7	Vials Amber	X	X	X											
MW-14		1301		7		X	X	X											
MW-14 dup		-		7		X	X	X											
MW-8		1355		7		X	X	X											
F-17		1442		7		X	X	X											
3-10/09/13		1415		3	Vials	X													
MW-42		1527		7	Vials Amber	X	X	X											

SAMPLING COMPLETED DATE **10-9-13** TIME **1530** SAMPLING PERFORMED BY **Samuel Ramirez** RESULTS NEEDED NO LATER THAN **Standard**

RELEASED BY  DATE **10-9-13** TIME **1650** RECEIVED BY **Nicole** DATE **10/9/13** TIME **1650**

RELEASED BY **Nicole** DATE **10/10/13** TIME **1148** RECEIVED BY **Ranjit Clark** DATE **10/10/13** TIME **1148**

SHIPPED VIA \_\_\_\_\_ DATE SENT \_\_\_\_\_ TIME SENT \_\_\_\_\_ COOLER # \_\_\_\_\_

# BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE  
 SAN JOSE, CALIFORNIA 95112-1105  
 FAX (408) 573-7771  
 PHONE (408) 573-0555

## CONDUCT ANALYSIS TO DETECT

LAB: Calscience PM: Ranjit Clark

DHS #

MUST MEET SPECIFICATIONS

- EPA
- LIA
- OTHER

RWQCB REGION

SPECIAL INSTRUCTIONS

Invoice and Report to:

Parsons - Mary Lucas (mary.lucas@parsons.com)

100 W Walnut St., Pasadena, CA 91124 (626) 440-6032

Project # 746442

### CHAIN OF CUSTODY

CLIENT: Parsons  
 SITE: DFSP Norwalk

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS		VOC's (including BTEX, MTBE, TBA, EPA 8260)	TPHd (8015)	TPHg (8015)					ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
			W = H2O	TOTAL												
FB-10/10/13	10-10-2013	0700	w	3	Vials	X										
TF-24		0721		7	Vials Amber	X	X	X								
TF-8		0756		7		X	X	X								
TF-9		0842		7		X	X	X								
EB-10/10/13		0910		3	Vials	X										

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED	NO LATER THAN
	10-10-13	0900		Standard	
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
<i>[Signature]</i>	10-10-13	1640	Nicole	10/10/13	1640
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Nicole	10/10/13	1734	<i>[Signature]</i>	10/10/13	1734
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
SHIPPED VIA	DATE SENT	TIME SENT	COOLER #		

# BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE  
 SAN JOSE, CALIFORNIA 95112-1105  
 FAX (408) 573-7771  
 PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT LAB: Calscience PM: Ranjit Clark DHS #

MUST MEET SPECIFICATIONS  
 EPA  RWQCB REGION  
 LIA  
 OTHER

SPECIAL INSTRUCTIONS  
  
 Invoice and Report to:  
 Parsons - Mary Lucas (mary.lucas@parsons.com)  
 100 W Walnut St., Pasadena, CA 91124 (626) 440-6032  
 Project # 746442

CHAIN OF CUSTODY

CLIENT **Parsons**

SITE **DFSP Norwalk**

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS		VOC's (including BTEX, MTBE, TBA, EPA 8260)	TPHd (8015)	TPHg (8015)							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #	
			W = H2O	TOTAL															
RB-10/10/13	10-10-2013	0700	w	3	Vials	X													
RF-24		0721		7	Vials Amber	X	X	X											
RF-8		0756		7		X	X	X											
RF-9		0842		7		X	X	X											
RB-10/10/13		0910		3	Vials	X													

SAMPLING COMPLETED **10-10-13** **0900** SAMPLING PERFORMED BY \_\_\_\_\_ RESULTS NEEDED NO LATER THAN **Standard**

RELEASED BY *[Signature]* **10-10-13** **1640** RECEIVED BY \_\_\_\_\_

RELEASED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_ RECEIVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

RELEASED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_ RECEIVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

SHIPPED VIA \_\_\_\_\_ DATE SENT \_\_\_\_\_ TIME SENT \_\_\_\_\_ COOLER # \_\_\_\_\_

# WELLHEAD INSPECTION CHECKLIST

Client Parsons Date 10-7-13

Site Address DFSP Newark

Job Number 131007-MH11 Technician SR

Well ID	Well Inspected - No Corrective Action Required	WELL IS SECURABLE BY DESIGN (12" or less)	WELL IS CLEARLY MARKED WITH THE WORDS "MONITORING WELL" (12" or less)	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
GMW-19	-	-	-							
GMW-43	x	x	x							
GMW-21	x	x	x							
GMW-31			x							
MW-22 (MID)										
GMW-33		x	x							
GMW-44	x	x	x							
GMW-65	x	x	x							
GMW-62	x	x	x							
GMW-66	x	x	x							
MW-27	x	x	x							
GMW-12	<del>x</del>	x	x							
GMW-32		<del>x</del>	x							
GMW-15	x	-	x							
GMW-45		x	x							
GMW-47	x	x	x							
MW-26	x	x	x							

NOTES: GMW-19 (well exposed / well box removed) GMW-31 (Broken Well Box / well lid is Broken)  
GMW-33 (damaged well / unable to access) GMW-12 (hole in lid) GMW-32 (Wellbox damaged)  
GMW-45 (Well box is damaged)

# WELLHEAD INSPECTION CHECKLIST

Client Parsons Date 10-7-13

Site Address Parsons 2 Michwalk

Job Number 131007-MH1 Technician SR

Well ID	Well Inspected - No Corrective Action Required	WELL IS SECURABLE BY DESIGN (12" or less)	WELL IS CLEARLY MARKED WITH THE WORDS "MONITORING WELL" (12" or less)	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
MW-29	x	x	x							
MW-35			x							
TF-21	x	x	x							
TF-16	x	x	x							
GW-16	x	x	x							
P2-3	x	x	x							
GMW-17	x	x	x							
GMW-60	x	x	x							
GMW-59	x	x	x							
GMW-48	x	x	x							
GW-13	x	x	x							
GW-14	x	x	x							
GW-8		x	x	-	Vault	-				
TF-17		x	x	-	Vault	-				
GMW-42	x	x	x							

NOTES: MW-35 (well lid is broken)

# WELLHEAD INSPECTION CHECKLIST

Client PARSONS Date 10-7-13

Site Address DFSP A Norwalk

Job Number 130710MH-1 Technician MH

Well ID	Well Inspected - No Corrective Action Required	WELL IS SECURABLE BY DESIGN (12" or less)	WELL IS CLEARLY MARKED WITH THE WORDS "MONITORING WELL" (12" or less)	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
EXP-1										
EXP-2	↓		↓							
EXP-3	↓		↓							
GW-3										
GW-2										
GMW-41										
GMW-40										
GMW-63	✓	✓	✓							
GMW-64	-	-	-							
GMW-5										
GMW-6	✓	-	-							
GMW-16										
GW-6										
MW-24										
GMW-26										
MW-13										
GMW-57	✓	✓	-							

NOTES: \_\_\_\_\_

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# TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME			PROJECT NUMBER				
DFSP Norwalk			131007-Mt11				
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP. (°C)	INITIALS
YSF P <sub>2</sub> Plus Fluor Meter	11 M100329	10-7-13 0655	DO 100.0%	100.0%	Y	20.01	SR
		0702	pH 4.00 7.00 10.00	4.00 7.00 10.00	Y	20.03	SR
		0704	COND 3900MS <del>3900 mS</del>	3900MS	Y	20.06	SR
		0716	ORP 237.1 mV	236.9 mV	Y	20.08	SR
		10-8-9 0645	DO 100.0%	100.0%	Y	20.04	SR
		0650	pH 4.00 7.00 10.00	4.00 7.00 10.00	Y	20.06	SR
		0655	COND 3900MS	3900MS	Y	20.07	SR
		0700	237.1 mV	237.1 mV	Y	20.08	SR
		10-9-13 0700	DO 100.0%	100.0%	Y	19.1	SR
		0705	pH 4.00 7.00 10.00	4.00 7.00 10.00	Y	20.1	SR
		0709	COND 3900MS	3900MS	Y	20.1	SR
		0711	ORP 236.8 mV	236.8 mV	Y	20.2	SR



# NORWALK WELL GAUGING DATA

TECHNICIAN: AD DATE: 10/7/13 KMEP

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Historical SPH	Depth to water (ft.) 4Q12	Depth to water (ft.) 1Q13	Depth to water (ft.) 2Q13	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Time
EXP-1	4					53.63	52.99	52.57	55.41	129.00		0830
EXP-2	4					53.96	53.02	52.97	55.88	128.06		0900
EXP-3	4					52.80	51.70	51.65	54.62	125.00		0745
EXP-4	4					53.74	-	52.81	55.62	115.24		0841
EXP-5	4					47.78	46.64	46.58	50.13	113.18		1056
GMW-1	4					29.49	29.54	47.34	30.25	49.31		1439
GMW-10	4	odor	29.32	2.53	Yes	29.15	-	33.64	31.85	—		1479
GMW-13	4					27.89	-	28.67	29.65	49.55		1451
GMW-14	4					28.91	-	29.23	30.15	49.69		1455
GMW-22	4	odor	31.65	2.63		31.05	-	31.92	34.28	—		1353
GMW-23	4					28.45	-	29.31	30.27	57.86		1240
GMW-24	4	odor	<del>31.61</del> unable to access			31.34	-	-	35.42	—		1339
GMW-25	4		33.10	0.13		31.88	-	32.11	33.23	—		1408 10/8
GMW-26	4					28.40	-	28.98	29.94	49.92		1231
GMW-27	4					29.05	29.07	28.96	29.45	49.26		1228
GMW-28	4					28.50	-	28.99	29.46	49.16		1236
GMW-29	4					28.41	-	28.95	30.30	40.66		1245
GMW-3						unable to Locate	-	unable to Locate	unable to locate	unable to locate		
GMW-30	6					28.40	29.59	29.31	30.32	49.80		1254
GMW-36	4	Odor	30.72	3.93		32.11	34.12	34.65	34.65	Pump in well		1050 <del>1526</del> 10/10
GMW-37	4					30.90	31.79	31.69	32.51	53.45		1521
GMW-38	4					29.75	30.18	30.07	30.31	53.04		0810 10/8
GMW-39	4					29.58	29.72	29.71	29.92	50.54		0814 10/8
GMW-4	4		30.33	0.10	Yes	29.80	-	38.04	30.43	—		1503
GMW-8						unable to Locate	-	-	unable to locate	unable to locate		
GMW-9	5	odor	32.25	4.05		31.82	31.88	31.83	35.30	—		1330
GMW-O-1	4					24.33	24.88	25.04	25.72	49.14	✓	0942

# NORWALK WELL GAUGING DATA

TECHNICIAN: ADD DATE: 10/7/13 KMEP

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Historical SPH	Depth to water (ft.) 4Q12	Depth to water (ft.) 1Q13	Depth to water (ft.) 2Q13	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Time
GMW-O-10	4					28.40	28.57	26.31	29.17	50.00		0955
GMW-O-11	4	odor	27.69	3.50		28.12	-	-	31.19	-		0710 10/9
GMW-O-12	4	Odor	27.28	0.06	Yes	25.48	25.62	26.60	27.34			0703 10/9
GMW-O-14	4	Odor				27.96	28.32	28.83	28.84	49.87		1013
GMW-O-15	4	Odor	28.26	0.77		31.82	37.62	-	29.03	-		0755 10/8
GMW-O-16	4					27.38	28.72	28.61	28.49	48.87		0747 10/8
GMW-O-17	4					26.62	27.48	27.48	28.21	39.63		0836
GMW-O-18	4	Odor				29.73	28.92	-	26.67 Ext Pump	37.61 Ext Pump		1341 10/8 10/8 ext pump renewed
GMW-O-19	4					27.46	28.02	28.36	28.68	40.01		0740 10/8
GMW-O-2	4					25.50	26.02	26.12	26.80	49.24		0949
GMW-O-20	4	Odor	27.06	5.03	Yes	32.97	32.98	29.63	32.09	-		0711 10/9
GMW-O-21	4		unable to access			32.50	-	-	pump in well			
GMW-O-23	4	odor	28.30	4.56		26.48	29.35	29.81	32.86	-		0723 10/9
GMW-O-24	4		unable to gauge, broken for well			27.90	-	28.53				
GMW-O-3	4					25.33	26.32	26.19	26.93	47.14		1005
GMW-O-4	4					25.14	-	25.88	26.51	49.43		1020
GMW-O-5	4					25.68	-	26.50	27.00	48.94		1025
GMW-O-6	4					23.41	-	24.36	25.31	49.25		1000
GMW-O-7	4					22.83	-	23.90	24.12	49.71		0745 10/8
GMW-O-8	4					22.87	-	23.64	24.53	49.34		0938
GMW-O-9	4					26.74	26.82	27.63	28.31	50.00		0952
GMW-SF-7	4					28.93	-	29.91	31.08	43.38		0906 10/8
GMW-SF-8	4					30.21	30.92	30.98	32.10	43.74		1523
GWR-1	4					29.21	-	29.28	29.66	46.00		1225
GWR-3	6	odor	31.67	4.53		31.21	-	29.21	36.20 <del>31.67</del> (8')			1335
HL-2	4					30.22	31.02	30.99	32.21	39.03		1350
HL-3	4					30.64	-	31.61	32.50	44.44	✓	1121

# NORWALK WELL GAUGING DATA

TECHNICIAN: AD DATE: 10/7/10 KMEP

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Historical SPH	Depth to water (ft.) 4Q12	Depth to water (ft.) 1Q13	Depth to water (ft.) 2Q13	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Time
MW-12	4					30.31	-	30.53	31.02	51.85		0843
MW-15	4	odor	31.87	0.31	Yes	32.38	-	32.40	32.18	50.49		1445
MW-18 (MID)	4					33.41	-	30.68	35.33	65.59		1400
MW-19 (MID)	4					34.29	-	34.81	36.14	62.00		1111
MW-20 (MID)	4					33.05	-	33.35	34.37	56.60		0828
MW-21 (MID)	4					31.23	-	32.21	32.62	62.14		1123
MW-6	4					30.91	-	31.30	32.14	52.00		0831
MW-7	4					31.81	-	32.54	33.04	53.56		1114
MW-8	4					29.48	30.82	30.56	31.15	50.47		1530
MW-9	4					31.30	-	31.40	31.95	51.92		1517
MW-O-1	4					28.94	-	28.81	29.21	32.94		1522
MW-O-2	6	unable to access (AD)				26.89	26.93	-	29.06	32.94	Pump in well	29.06 41.34 10/8
MW-SF-1	6		31.72			32.23	33.88	33.38	37.14	52.14		0922 10/8
MW-SF-10	4				Yes	29.27	-	DRY	dry	30.35		0933 10/8
MW-SF-11	4					33.28	-	33.11	33.91	43.36		1256
MW-SF-12	4	unable to access				32.12	-	-	pump in well			
MW-SF-13	4	unable to access				27.01	-	27.90	pump in well			
MW-SF-14	4	unable to access				30.02	-	-	pump in well			
MW-SF-15	4	unable to access				33.15	-	-	pump in well			
MW-SF-16	4	unable to access				32.97	-	-	pump in well			
MW-SF-2	4	odor	33.08	1.50		32.11	33.59	33.32	34.58	44.02		
MW-SF-3	4	unable to access				32.47	-	-	pump in well			
MW-SF-4	4					34.04	34.52	DRY	dry	34.76		0930 10/8
MW-SF-5	6					33.28	33.37	34.28	34.58	51.22		0913 10/8
MW-SF-6	6	unable to access				31.44	31.53	30.21	pump in well			
MW-SF-9	4					unable to Access	-	-	28.45	38.24		0943 10/8
PW-1	4					27.76	-	DRY	dry	27.91		0720

# NORWALK WELL GAUGING DATA

TECHNICIAN: AD

DATE:

10/9/12 KMEP

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Historical SPH	Depth to water (ft.) 4Q12	Depth to water (ft.) 1Q13	Depth to water (ft.) 2Q13	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOG	Time
PW-2	4					dry	-	DRY	dry	23.95		0725
PW-3	4					27.04	-	27.79	28.57	30.15		0850
PZ-2	4					27.76	DRY	28.68	29.28	49.00		1419
PZ-5	4	Odor				28.25	28.42	28.41	29.31	37.36		1053
VEW-1	4					dry	-	DRY	dry	28.98		1353
VEW-2	4					dry	-	DRY	dry	29.71		1357
WCW-1	4					-	-	26.83	27.63	52.85 <del>30.91</del> (AD)		0731
WCW-10	4					-	-	26.73	28.01	55.24		0742
WCW-11	4					-	-	26.91	29.54	59.86		0751
WCW-12	4					-	-	29.98	31.13	60.00		0756
WCW-13	4					31.38	31.54	31.67	32.66	60.32		0827
WCW-14	4					-	-	32.71	33.41	58.72		0828
WCW-2	4					-	-	29.11	30.25	52.31		0801
WCW-3	4					29.98	30.32	30.24	31.00	50.50		0849
WCW-4	4					-	-	32.12	32.78	56.82		0835
WCW-5	4					-	-	27.17	28.62	50.00		0737
WCW-6	4					-	-	29.59	30.56	50.86		0812
WCW-7	4					30.41	30.88	30.91	32.25	51.85		0815
WCW-8	4					-	-	31.62	32.42	51.45		0804
WCW-9	4					-	-	31.73	33.04	52.00	✓	0856

10/8





## LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>130710-M11</u>	Client: <u>MCDONALD'S @ Adewale</u>
Sampler: <u>M</u>	Gauging Date: <u>10/7/13</u>
Well I.D.: <u>EXP-1</u>	Well Diameter (in.): 2 3 <u>(4)</u> 6 8
Total Well Depth (ft.): <u>129.0</u>	Depth to Water (ft.): <u>55.41</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>Pro Plus</u>

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other  
 Start Purge Time: 0832      Flow Rate: 300 mL/min      Pump Depth: 92

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or ml)	Depth to Water (ft.)
0835	21.7	7.29	1017	2.46	2.48	177.4	900	55.44
0838	21.7	7.27	1051	3.74	2.12	130.5	1000	55.44
0841	21.7	7.27	1050	4.41	1.97	132.3	2700	55.44
0844	21.7	7.26	1048	4.36	1.81	135.3	3600	55.44
0847	21.7	7.26	1047	4.44	1.73	138.1	4500	55.44

Did well dewater? Yes  No

Amount actually evacuated: 4600 ML

Sampling Time: 0848      Sampling Date: 10/7/13

Sample I.D.: EXP-1      Laboratory: CAI Science

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

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

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 130710-MH1	Client: PARSONS@NORWALK
Sampler: (N)	Gauging Date: 10/7/13
Well I.D.: EXP-2	Well Diameter (in.): 2 3 (4) 6 8
Total Well Depth (ft.): 128.06	Depth to Water (ft.): 55.88
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: Plo Plus

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

Start Purge Time: 0919      Flow Rate: 300 mL/min      Pump Depth: 105

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0912	22.0	7.16	1550	40.9	3.96	142.9	900	55.88
0915	21.9	7.15	1578	6.46	3.71	148.8	1800	55.88
0918	21.9	7.14	1575	10.1	3.55	154.1	2700	55.88
0921	21.9	7.14	1570	12.3	3.74	155.6	3600	55.88
0924	21.9	7.14	1569	11.7	3.69	158.0	4500	55.88
0927	21.8	7.14	1569	11.9	3.66	159.2	5400	55.88

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

Sampling Time: 0928      Sampling Date: 10/7/13

Sample I.D.: EXP-2      Laboratory: CALSCIENCE

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

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

## LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>130710-MH1</u>	Client: <u>PARSONS @ Newark</u>
Sampler: <u>(M)</u>	Gauging Date: <u>10/07/13</u>
Well I.D.: <u>EXP. 3</u>	Well Diameter (in.): 2 3 <u>(4)</u> 6 8
Total Well Depth (ft.): <u>123.00</u>	Depth to Water (ft.): <u>54.62</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	Flow Cell Type: <u>Per Plus</u>

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 0752      Flow Rate: 300 mL/min      Pump Depth: 75

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0755	21.5	7.25	943	9.00	3.60	172.2	900	54.63
0758	21.5	7.27	922	5.65	3.00	174.8	1800	54.63
0801	21.5	7.27	921	6.22	2.99	175.4	2700	54.63
0804	21.5	7.27	920	6.18	2.69	175.5	3600	54.63
0807	21.5	7.28	919	6.10	2.69	175.1	4500	<del>54.63</del> 54.63

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

Sampling Time: 0808      Sampling Date: 10/07/13

Sample I.D.: EXP. 3      Laboratory: Chesapeake

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

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

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007-AD1	Client: KMEP
Sampler: AD	Start Date: 10/08/13
Well I.D.: EXP-4	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 115.24	Depth to Water: Pre: 55.62 Post: 55.73
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: <u>PVC</u> Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1500      Flow Rate: 500 mL/min      Pump Depth: 80'

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
1503	22.30	5.93	1314	12	<del>0.58</del> 0.58	-35.1	1500	55.73
1506	22.02	5.89	1362	10	0.44	-42.0	3000	55.73
1509	21.86	5.87	1363	8	0.42	-46.2	4500	55.73
1512	21.72	5.87	1371	8	0.41	-47.1	6000	55.73

Did well dewater? Yes <u>No</u>	Amount actually evacuated: 6000
Sampling Time: 1513	Sampling Date: 10/8/13
Sample I.D.: EXP-4	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See C.O.C
Equipment Blank I.D.: @ <small>Time</small>	Duplicate I.D.:

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007-AD1	Client: KMEP
Sampler: AD	Start Date: 10/09/13
Well I.D.: EXP-5	Well Diameter: 2 3 (4) 6 8
Total Well Depth: 113.18	Depth to Water: Pre: 50.13 Post: 50.23
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1318      Flow Rate: 500 mL/min      Pump Depth: 81.5'

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
1321	20.93	6.98	985	7	0.64	-45.1	1500	50.19
1324	21.36	7.05	976	6	0.51	-59.0	3000	50.20
1327	21.32	7.14	977	6	0.47	-68.0	4500	50.21
1330	21.41	7.25	978	6	0.46	-74.5	6000	50.21
1333	21.36	7.27	979	5	0.45	-78.2	7500	50.22
1336	21.32	7.27	980	6	0.46	-80.1	9000	50.23
				fold	247 AD			

Did well dewater? Yes (No)	Amount actually evacuated: 9000
Sampling Time: 1337	Sampling Date: 10/09/13
Sample I.D.: EXP-5	Laboratory: Alpha Analytical
Analyzed for: (TPHg) (TPHfp) (VOC's) (MTBE)	Other: See C.O.C
Equipment Blank I.D.: @	Duplicate I.D.:

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007-AD1	Client: KMEP
Sampler: SR	Start Date: 10-10-13
Well I.D.: GMW-1	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 49.31	Depth to Water: Pre: 30.25 Post: 30.09
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: YSI-556 <sup>SR</sup> Pro Plus

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1444      Flow Rate: ~~500~~ <sup>SR</sup> 500 mL/min Pump Depth: 45'

Time	Temp. (°C or °F)	pH	Cond. (mS or <u>µS</u> )	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>mL</u> )	Depth to water
1447	24.2	6.88	1655	28	0.54	-129.0	1500	30.33
1450	24.4	6.85	1670	24	0.45	-133.7	3000	30.35
1453	24.5	6.84	1672	22	0.46	-134.0	4500	30.37
1456	24.4	6.84	1674	22	0.44	-135.5	6000	30.38
1459	24.3	6.83	1677	21	0.43	-136.6	7500	30.38
1502	24.4	6.83	1678	21	0.42	-136.9	9000	30.39

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 9L
Sampling Time: 1503	Sampling Date: 10-10-13
Sample I.D.: GMW-1	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See VOC
Equipment Blank I.D.: @ _____	Duplicate I.D.: _____

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007-AD1	Client: KMEP
Sampler: AD	Start Date: 10/11/13
Well I.D.: GMW-3	Well Diameter: 2 3 4 6 8 _____
Total Well Depth: _____	Depth to Water: Pre: _____ Post: _____
Depth to Free Product: _____	Thickness of Free Product (feet): _____
Referenced to: PVC Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: \_\_\_\_\_ Flow Rate: \_\_\_\_\_ Pump Depth: \_\_\_\_\_

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
←			made to locate well					
←			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 #: 130710 <del>ADA</del>	Client: KMEP
Sampler: (W)	Start Date: 10/4/13
Well I.D.: GMW-4	Well Diameter: 2 3 (4) 6 8
Total Well Depth: —	Depth to Water: Pre: 30.43 Post: 30.46
Depth to Free Product: <del>33.33</del> 30.33	Thickness of Free Product (feet): 0.10
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump (WATER)

Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_

Start Purge Time: 0810      Flow Rate: 300 ml/min      Pump Depth: —

Time	Temp. (°C or °F)	pH	Cond. (mS or (μS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mb))	Depth to water
0813	22.8	6.75	1381	14	1.79	47.4	900	30.46
0816	22.8	6.75	1380	10	1.81	41.6	1800	30.46
0819	22.8	6.81	1396	9	1.71	29.0	2700	30.46
0822	22.8	6.81	1396	7	1.72	28.1	3600	30.46
0825	22.8	6.83	1400	7	1.65	22.9	4500	30.46

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: 4500 mL
Sampling Time: 0826	Sampling Date: 10/11/13
Sample I.D.: GMW-4	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See C.O.C
Equipment Blank I.D.: @	Duplicate I.D.:



## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007-AD1	Client: KMEP
Sampler: AD	Start Date: 10/11/13
Well I.D.: GWW-8	Well Diameter: 2 3 4 6 8 <u>    </u>
Total Well Depth: <u>    </u>	Depth to Water: Pre: <u>    </u> Post: <u>    </u>
Depth to Free Product: <u>    </u>	Thickness of Free Product (feet): <u>    </u>
Referenced to: PVC Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other       
 Start Purge Time:           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 locate well					
			no sample taken					

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

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 130710-AN	Client: KMEP
Sampler: (A)	Start Date: 10/7/13
Well I.D.: GMW-10	Well Diameter: 2 3 (4) 6 8
Total Well Depth: —	Depth to Water: Pre: 31.85 Post: 31.89
Depth to Free Product: 29.32	Thickness of Free Product (feet): 2.53
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump WATER  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_

Start Purge Time: 0840      Flow Rate: 800 mL/min      Pump Depth: —

Time	Temp. (C or F)	pH	Cond. (mS or $\mu$ S)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
0843	23.0	6.78	1837	6	1.66	-11.1	900	31.89
0846	22.9	6.78	1836	4	1.61	-14.7	1800	31.89
0849	23.0	6.77	1835	4	1.48	-25.8	2700	31.89
0852	23.1	6.76	1838	3	1.40	-28.6	3600	31.89
0855	23.0	6.76	1840	3	1.38	-30.3	4500	31.89

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: 4500 mL
Sampling Time: 0856	Sampling Date: 10/11/13
Sample I.D.: GMW-10	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See C.O.C
Equipment Blank I.D.: @ <small>Time</small>	Duplicate I.D.:

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131009-A02	Client: KMEP
Sampler: V60	Start Date: 10/09/13
Well I.D.: 6MW-17	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 49.55'	Depth to Water: Pre: 29.65 Post: 29.66
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: PVC Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1258      Flow Rate: 400 ml      Pump Depth: 441

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
1301	19.5	7.18	759	4	2.34	117	1200	29.65
1304	22.1	7.05	747	4	2.38	108	2400	29.66
1307	22.5	6.99	743	4	2.41	116	3600	29.66
1310	22.6	6.97	744	3	2.48	112	4800	29.66
1313	22.7	6.91	750	3	2.43	111	6000	29.66

Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Amount actually evacuated: 6000 mL
Sampling Time: 1317	Sampling Date: 10/09/13
Sample I.D.: 6MW-13	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: _____
Equipment Blank I.D.: @ _____	Duplicate I.D.: _____

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007-AD1	Client: KMEP
Sampler: SC	Start Date: 10-10-13
Well I.D.: GMW-14	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 49.68	Depth to Water: Pre: 30.15 Post: 30.24
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVO</u> Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1300      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
1303	22.6	6.78	1786	9	0.51	-125.8	1500	30.21
1306	23.0	6.76	1784	8	0.39	-134.3	3000	30.24
1309	23.0	6.75	1781	8	0.38	-137.9	4500	30.24
1312	23.1	6.74	1776	7	0.38	-141.6	6000	30.24
1315	23.2	6.74	1772	7	0.37	-144.2	7500	30.24

Did well dewater? Yes <u>No</u>	Amount actually evacuated: 7.5L
Sampling Time: 1316	Sampling Date: 10-10-13
Sample I.D.: GMW-14	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See COC
Equipment Blank I.D.: @ <small>Time</small>	Duplicate I.D.:

## LOW FLOW WELL MONITORING DATA SHEET

Project #:	131007-AD1	Client:	KMEP
Sampler:	SR	Start Date:	10/10/13
Well I.D.:	GMW-27	Well Diameter:	2 3 ④ 6 8
Total Well Depth:	49.26	Depth to Water:	Pre: 29.45 Post: 29.61
Depth to Free Product:		Thickness of Free Product (feet):	
Referenced to:	PVC Grade	Flow Cell Type:	YSI-556 <sup>SR</sup> ProPlus

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1347      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
1350	22.4	6.73	41085	8	0.99	-127.5	1500	29.61
1353	22.7	6.71	41120	8	0.87	-129.1	3000	29.61
1356	22.9	6.70	4142	7	0.82	-132.1	4500	29.61
1359	23.0	6.70	4152	7	0.78	-134.6	6000	29.61
1402	23.1	6.70	4159	7	0.74	-137.2	7500	29.61
1405	23.0	6.69	4164	7	0.73	-139.0	9000	29.61

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 9L
Sampling Time: 1406	Sampling Date: 10-10-13
Sample I.D.: <del>GMW</del> <sup>SR</sup> GMW-27	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See COC
Equipment Blank I.D.: @ <small>Time</small>	Duplicate I.D.: DUP-2

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 130710-AD1	Client: KMEP
Sampler: (N)	Start Date: 10/7/13
Well I.D.: GMLW-36	Well Diameter: 2 3 (4) 6 8
Total Well Depth: -	Depth to Water: Pre: 34.65 Post: 34.69
Depth to Free Product: 30.72	Thickness of Free Product (feet): 3.93
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump WATER  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 0925      Flow Rate: 300 mL/min      Pump Depth: -

Time	Temp. (C or °F)	pH	Cond. (mS or $\mu$ S)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
0928	21.8	6.77	1328	29	0.81	-185.2	900	34.69
0931	21.9	6.75	1383	20	0.59	-286.7	1800	34.69
0934	21.9	6.75	1391	17	0.53	-287.0	2700	34.69
0937	21.9	6.76	1406	14	0.52	-288.6	3600	34.69
0940	21.9	6.76	1411	16	0.51	-289.7	4500	34.69

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 4500 mL
Sampling Time: 0941	Sampling Date: 10/11/13
Sample I.D.: GMLW-36	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 #: 131007-A02	Client: KMEP
Sampler: 100	Start Date: 10/09/13
Well I.D.: 6MW-37	Well Diameter: 2 3 4 6 8
Total Well Depth: 53.45	Depth to Water: Pre: 32.51 Post: 32.56
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: RVC 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: 1341      Flow Rate: 400 mL      Pump Depth: 48'

Time	Temp. (°C or °F)	pH	Cond. (mS or $\mu$ S)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1344	19.7	6.98	1218	17	2.88	154	1200	32.56
1347	21.2	6.74	1242	15	2.86	90	2400	32.56
1350	22.2	6.45	1237	17	2.69	98	3600	32.56
1353	22.6	6.72	1239	12	2.75	110	4800	32.56
1356	22.9	6.92	1245	9	2.81	125	6000	32.56
1359	22.7	6.88	1240	9	2.77	121	7200	32.56

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 7200
Sampling Time: 1403	Sampling Date: 10/09/13
Sample I.D.: 6MW-37	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See C.O.C
Equipment Blank I.D.: @ <small>Time</small>	Duplicate I.D.:

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131006-AD1	Client: KMEP
Sampler: MS	Start Date: 10/10/13
Well I.D.: GMW-38	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 5304	Depth to Water: Pre: 30.64 Post: 30.66
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 0758      Flow Rate: 500 mL/min      Pump Depth: 48'

Time	Temp. (°C or °F)	pH	Cond. (mS or <u>µS</u> )	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>mL</u> )	Depth to water
0801	20.2	7.38	597	15	0.87	135.6	1500	30.69
0804	20.6	7.37	594	12	0.80	144.1	3000	30.21
0807	20.9	7.36	588	10	0.79	145.9	4500	30.72
0810	21.2	7.35	559	8	0.74	148.3	6000	30.72
0813	21.4	7.35	558	8	0.70	150.2	7500	30.72

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 7500
Sampling Time: 0814	Sampling Date: 10/10/13
Sample I.D.: GMW-38	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See C.O.C
Equipment Blank I.D.: @ _____	Duplicate I.D.: _____



## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131006-AD1	Client: KMEP
Sampler: MS	Start Date: 10/10/13
Well I.D.: GMW-39	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 50.54	Depth to Water: Pre: 30.20 Post: 30.31
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVO 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: 1513      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
1516	<del>21.6</del> 21.7	7.27	1087	12	0.33	68.4	1500	30.29
1519	21.7	7.26	1102	9	0.29	69.7	3000	30.31
1522	21.9	7.26	1108	7	0.22	69.3	4500	30.31
1525	21.9	7.26	1111	7	0.20	68.9	6000	30.31
1528	22.1	7.25	1112	7	0.20	68.1	7500	30.31

Did well dewater? Yes  No       Amount actually evacuated: 7500

Sampling Time: 1529      Sampling Date: 10/10/13

Sample I.D.: GMW-39      Laboratory: Alpha Analytical

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

Equipment Blank I.D.: EB-5 @ 1550 Time      Duplicate I.D.: Dup-3

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007-AD1	Client: KMEP
Sampler: <i>WJ</i>	Start Date: 10/9/13
Well I.D.: <i>GMW-0-1</i>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 49.14	Depth to Water: Pre: 25.55 Post: 25.60
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: YSI 556 <i>Prot</i>

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1154      Flow Rate: 500 mL/min      Pump Depth: 44

Time	Temp. (°C or °F)	pH	Cond. (mS or <u>µS</u> )	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1157	21.4	6.96	2489	18	2.15	182.5	1500	25.60
1200	21.7	6.96	2473	14	2.20	181.7	3000	25.62
1203	21.7	6.95	2471	10	2.22	179.6	4500	25.62
1206	21.8	6.96	2470	8	2.21	177.3	6000	25.62
1209	21.8	6.96	2468	8	2.19	176.6	7500	25.62

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 7500 mL
Sampling Time: 1210	Sampling Date: 10/9/13
Sample I.D.: <i>GMW-0-1</i>	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: <i>see below</i>
Equipment Blank I.D.: @ <small>Time</small>	Duplicate I.D.:

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007-AD1	Client: KMEP
Sampler: MS	Start Date: 10/9/13
Well I.D.: GMW-0-2	Well Diameter: 2 3 4 6 8
Total Well Depth: 49.24	Depth to Water: Pre: 26.82 Post: 26.86
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: 1249      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
1252	20.1	7.12	2690	10	0.34	211.8	1500	26.86
1255	20.1	7.12	2693	8	0.28	210.2	3000	26.88
1258	20.1	7.13	2698	6	0.30	207.1	4500	26.90
1301	20.3	7.12	2696	6	0.31	205.2	6000	26.92
1304	20.3	7.12	2694	5	0.37	201.6	7500	26.94

Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Amount actually evacuated: 7500 mL
Sampling Time: 1305	Sampling Date: 10/9/13
Sample I.D.: GMW-0-2	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See Sorb
Equipment Blank I.D.: @ _____ Time	Duplicate I.D.:

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007-AD1	Client: KMEP
Sampler: MS	Start Date: 10/9/13
Well I.D.: GMW-0-3	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 47.94	Depth to Water: Pre: 26.92 Post: 27.03
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1325      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
1328	21.9	7.11	2466	12	1.35	198.2	1500	26.97
1331	21.4	7.11	2479	9	1.36	178.6	3000	26.99
1334	21.5	7.10	2473	6	1.36	155.9	4500	27.01
1337	21.7	7.09	2481	6	1.37	144.4	6000	27.03
1340	21.7	7.09	2492	5	1.35	142.6	7500	27.05
1343	21.7	7.08	2489	5	1.33	140.1	9000	27.06
1346	21.8	7.08	2487	5	1.32	139.2	10500	27.06

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: 10500
Sampling Time: 1347	Sampling Date: 10/9/13
Sample I.D.: GMW-0-3	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: <u>Sevens</u>
Equipment Blank I.D.: @ _____	Duplicate I.D.: _____

## LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>13007-AD1</u>	Client: <u>KMEP</u>
Sampler: <u>MS</u>	Start Date: <u>10/9/13</u>
Well I.D.: <u>GMW-0-4</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: <u>49.43</u>	Depth to Water: Pre: <u>26.82</u> Post: <u>26.92</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>eye</u> Grade	Flow Cell Type: <u>YSI 556 Pro +</u>

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1403      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
1406	20.8	7.14	2797	7	1.14	191.0	1500	26.88
1409	20.2	7.14	2865	6	1.12	188.5	3000	26.91
1412	19.9	7.14	2867	6	1.08	184.2	4500	26.92
1415	19.8	7.14	2862	5	1.01	181.4	6000	26.92
1418	19.8	7.15	2827	5	0.97	178.6	7500	26.92

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: <u>7500</u>
Sampling Time: <u>1419</u>	Sampling Date: <u>10/9/13</u>
Sample I.D.: <u>GMW-0-4</u>	Laboratory: <u>Alpha Analytical</u>
Analyzed for: <u>TPHg TPHfp VOC's MTBE</u>	Other: <u>See Saw</u>
Equipment Blank I.D.: _____ @ _____ Time	Duplicate I.D.: _____

## LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>131007-AD1</u>	Client: <u>KMEP</u>
Sampler: <u>mw</u>	Start Date: <u>10/9/13</u>
Well I.D.: <u>Gmw-0-5</u>	Well Diameter: 2 3 <u>4</u> 6 8 <u>    </u>
Total Well Depth: <u>48.94</u>	Depth to Water: Pre: <u>27.15</u> Post: <u>27.18</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVO</u> Grade	Flow Cell Type: <u>YSI 556 Pro+</u>

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other       
 Start Purge Time: 1446      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
1449	21.6	7.23	2136	15	1.37	161.0	1500	27.18
1452	21.7	7.23	2129	11	1.13	160.2	3000	27.18
1455	21.7	7.23	2118	9	1.06	155.9	4500	27.18
1458	21.8	7.23	2108	8	1.01	152.6	6000	27.18
1501	21.8	7.24	2103	8	0.96	150.6	7500	27.18

Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Amount actually evacuated: <u>7500</u>
Sampling Time: <u>1502</u>	Sampling Date: <u>10/9/13</u>
Sample I.D.: <u>GMLW-0-5</u>	Laboratory: <u>Alpha Analytical</u>
Analyzed for: <u>TPHg TPHfp VOC's MTBE</u>	Other: <u>See Saw</u>
Equipment Blank I.D.: <u>EB-3</u> @ <u>1515</u> <small>Time</small>	Duplicate I.D.: <u>    </u>

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007-AD1	Client: KMEP
Sampler: SR	Start Date: 10-10-13
Well I.D.: GMW-0-9	Well Diameter: 2 3 <del>4</del> 6 8 _____
Total Well Depth: 50.00	Depth to Water: Pre: 28.31 Post: 28.39
Depth to Free Product:	Thickness of Free Product (feet): <del>7</del>
Referenced to: PVC Grade	Flow Cell Type: YSI-556 ProPlus

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1115      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
1118	21.3	7.14	2995	10	2.34	81.6	1500	28.36
1121	21.3	7.13	3010	10	2.21	75.4	3000	28.37
1124	21.4	7.12	3018	10	2.17	71.6	4500	28.38
1127	21.5	7.11	3024	9	2.14	68.2	6000	28.38
1130	21.5	7.11	3028	8	2.12	65.4	7500	28.39

Did well dewater? Yes <input checked="" type="checkbox"/> No	Amount actually evacuated: 7.5 L
Sampling Time: 1131	Sampling Date: 10-10-13
Sample I.D.: GMW-0-9	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: Seve VOC
Equipment Blank I.D.: @ Time	Duplicate I.D.:

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007-AD1	Client: KMEP
Sampler: AD	Start Date: 10/11/13
Well I.D.: BMW-0-10	Well Diameter: 2 3 (4) 6 8
Total Well Depth: 50.00	Depth to Water: Pre: 29.17 Post: 29.32
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: 1026      Flow Rate: 400 ml/min      Pump Depth: 39'

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
1027	22.08	7.33	2783	15	1.08	-124.1	1200	29.32
1030	22.14	7.33	2782	7	1.07	-129.1	2400	29.32
1033	22.21	7.33	2799	7	1.07	-130.4	3600	29.32
1036	22.28	7.33	2801	7	1.08	-133.2	4800	29.32

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: 4800
Sampling Time: 1037	Sampling Date: 10/11/13
Sample I.D.: BMW-0-10	Laboratory: Alpha Analytical
Analyzed for: (TPHg) TPHfp (VOC's) MTBE	Other: see eo
Equipment Blank I.D.: @ Time	Duplicate I.D.: AD-4 DUP-5



## LOW FLOW WELL MONITORING DATA SHEET

Project #: 130710-AD1	Client: KMEP
Sampler: (M)	Start Date: 10/7/13
Well I.D.: GWW-0-12	Well Diameter: 2 3 (4) 6 8
Total Well Depth: —	Depth to Water: Pre: 27.34 Post: 27.40
Depth to Free Product: 27.26	Thickness of Free Product (feet): 0.06
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: 1035      Flow Rate: 800 mL/min      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
1038	23.1	7.10	2546	19	0.92	-216.0	900	27.36
1041	22.9	7.09	2611	17	0.86	-220.1	1800	27.39
1044	22.9	7.09	2626	15	0.83	-222.4	2700	27.40
1047	22.9	7.09	2632	14	0.81	-226.1	3600	27.40
1050	22.8	7.08	2634	16	0.79	-229.4	4500	27.40

Did well dewater? Yes (No)	Amount actually evacuated: 4500
Sampling Time: 1051	Sampling Date: 10/11/13
Sample I.D.: GWW-0-12	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See C.O.C
Equipment Blank I.D.: @ <small>Time</small>	Duplicate I.D.:

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131067-AD1	Client: KMEP
Sampler: AD	Start Date: 10/11/13
Well I.D.: Gmw-0-14	Well Diameter: 2 3 (4) 6 8
Total Well Depth: 49.87	Depth to Water: Pre: 28.84 Post: 28.98
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: 11:29      Flow Rate: 800 ml/min      Pump Depth: 33.5'

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
1132	24.35	7.10	2472	31	0.57	-233.2	1500	28.98
1135	24.41	7.10	2472	12	0.53	-238.3	3000	28.98
1138	24.51	7.00	2472	8	0.45	-239.5	4500	28.98
1141	24.58	7.10	2472	8	0.46	-240.8	6000	28.98
1144	24.87	7.10	2472	8	0.46	-241.1	7500	28.98

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: 7500
Sampling Time: 1145	Sampling Date: 10/11/13
Sample I.D.: Gmw-0-14	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: see ea
Equipment Blank I.D.: @	Duplicate I.D.:

## LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>130710-AN</u>	Client: <u>KMEP</u>
Sampler: <u>(M)</u>	Start Date: <u>10/7/13</u>
Well I.D.: <u>GMW-0.15</u>	Well Diameter: 2 3 <u>4</u> 6 8 _____
Total Well Depth: <u>—</u>	Depth to Water: Pre: <u>29.03</u> Post: <u>29.10</u>
Depth to Free Product: <u>24.26</u>	Thickness of Free Product (feet): <u>0.77</u>
Referenced to: <u>(PVC)</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump with tube  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1000      Flow Rate: 300 mL/min      Pump Depth: \_\_\_\_\_

Time	Temp. ( <u>C</u> or °F)	pH	Cond. (mS or <u>µS</u> )	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>mL</u> )	Depth to water
<u>1003</u>	<u>21.9</u>	<u>6.94</u>	<u>1755</u>	<u>124</u>	<u>0.90</u>	<u>-195.1</u>	<u>950</u>	<u>29.10</u>
<u>1006</u>	<u>21.8</u>	<u>6.91</u>	<u>1788</u>	<u>146</u>	<u>0.46</u>	<u>-214.5</u>	<u>1800</u>	<u>29.10</u>
<u>1009</u>	<u>21.8</u>	<u>6.90</u>	<u>1779</u>	<u>152</u>	<u>0.34</u>	<u>-223.5</u>	<u>2700</u>	<u>29.10</u>
<u>1012</u>	<u>21.7</u>	<u>6.89</u>	<u>1777</u>	<u>166</u>	<u>0.28</u>	<u>-240.4</u>	<u>3600</u>	<u>29.10</u>
<u>1015</u>	<u>21.7</u>	<u>6.89</u>	<u>1791</u>	<u>170</u>	<u>0.24</u>	<u>-247.4</u>	<u>4500</u>	<u>29.10</u>

Did well dewater? Yes <u>(No)</u>	Amount actually evacuated: <u>4500 mL</u>
Sampling Time: <u>1016</u>	Sampling Date: <u>10/11/13</u>
Sample I.D.: <u>GMW-0.15</u>	Laboratory: <u>Alpha Analytical</u>
Analyzed for: <u>TPHg TPHfp VOC's MTBE</u>	Other: <u>See C.O.C</u>
Equipment Blank I.D.: _____ @ _____ Time	Duplicate I.D.: _____

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131026-AD1	Client: KMEP
Sampler: MS	Start Date: 10/10/13
Well I.D.: GMW-0-16	Well Diameter: 2 3 <input checked="" type="checkbox"/> 6 8
Total Well Depth: 48.87	Depth to Water: Pre: 28.74 Post: 28.79
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <input checked="" type="checkbox"/> PVC Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 0852      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
0855	20.4	7.07	1519	11	0.18	-59.0	1500	28.77
0858	20.9	7.07	1524	9	0.18	-63.1	3000	28.79
0901	20.9	7.07	1520	9	0.17	-63.7	4500	28.79
0904	21.1	7.08	1525	8	0.19	-64.9	6000	28.79
0907	21.2	7.08	1528	8	0.22	-64.7	7500	28.79
0910	21.3	7.08	1527	8	0.21	-64.6	9000	28.79

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 9000
Sampling Time: 0911	Sampling Date: 10/10/13
Sample I.D.: GMW-0-16	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: GWSAW
Equipment Blank I.D.: @	Duplicate I.D.:

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007-AD1	Client: KMEP
Sampler: AD	Start Date: 10/09/13
Well I.D.: GMW-017	Well Diameter: 2 3 (4) 6 8
Total Well Depth: 39.63	Depth to Water: Pre: 28.21 Post: 28.40
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: 1246      Flow Rate: 500 mL/min      Pump Depth: 32'

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
1249	21.23	7.23	1663	26	3.27	115.5	1500	28.37
1252	22.06	7.34	1676	22	3.04	107.5	3000	28.39
1255	22.80	7.54	1684	20	2.84	99.8	4500	28.40
1258	23.12	7.61	1680	19	2.72	97.5	6000	28.40
<sup>1301</sup> <del>1301</del>	23.24	7.63	1678	19	2.68	97.7	7500	28.40
<sup>1304</sup> <del>1304</del>	23.31	7.64	1680	19	2.65	96.4	9000	28.40

Did well dewater? Yes <input checked="" type="radio"/> No <input type="radio"/>	Amount actually evacuated: 9000
Sampling Time: <del>GMW-017</del> 1305	Sampling Date: 10/09/13
Sample I.D.: GMW-0-17	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: _____
Equipment Blank I.D.: @	Duplicate I.D.: _____

## LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>131007-AD1</u>	Client: <b>KMEP</b>
Sampler: <u>SC</u>	Start Date: <u>10/10/13</u>
Well I.D.: <u>6MW-0-18</u>	Well Diameter: 2 3 <u>4</u> 6 8 _____
Total Well Depth: <u>37.61</u>	Depth to Water: Pre: <u>26.67</u> Post: <u>26.78</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 556 Pro Plus</u>

Purge Method: 2" Grundfos Pump      Peristaltic Pump      <sup>SC</sup> Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_

Start Purge Time: 1:56      Flow Rate: 500ml/min      Pump Depth: 32'

Time	Temp. (°C or °F)	pH	Cond. (mS or <del>µS</del> )	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <del>ml</del> )	Depth to water
1159	22.4	7.18	3172	10	2.43	123	1500	26.76
1202	22.6	7.16	3158	9	2.20	132	3000	26.77
1205	22.7	7.15	3143	9	2.16	129	4500	26.77
1208	22.7	7.14	3135	9	2.13	135	6000	26.78
1211	22.8	7.14	3132	9	2.11	132	7500	26.78

Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Amount actually evacuated: <u>7.5L</u>
Sampling Time: <u>1212</u>	Sampling Date: <u>10-10-13</u>
Sample I.D.: <u>6MW-0-18</u>	Laboratory: <u>Alpha Analytical</u>
Analyzed for: <u>TPHg TPHfp VOC's MTBE</u>	Other: <u>See 10C</u>
Equipment Blank I.D.: _____ @ _____ Time	Duplicate I.D.: _____

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131009-AD	Client: KMEP
Sampler: KO	Start Date: 10/09/13
Well I.D.: GMW-0-19	Well Diameter: 2 3 (4) 6 8
Total Well Depth: 40.01	Depth to Water: Pre: 28.68 Post: 28.68
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: 1205      Flow Rate: 400mL      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
1208	21.5	7.49	1664	10	2.28	156	1200	28.68
1211	22.3	6.99	1657	4	2.28	107	2400	28.68
1214	22.6	6.96	1662	2	2.27	117	3600	28.68
1217	22.2	6.53	1657	2	2.24	106	4800	28.68
1220	22.2	6.58	1657	2	2.24	100	6000	28.68
1224	22.4	6.55	1661	2	2.22	105	7200	28.68

Did well dewater? Yes  No       Amount actually evacuated: 7200

Sampling Time: 1230      Sampling Date: 10/09/13

Sample I.D.: GMW-0-19      Laboratory: Alpha Analytical

Analyzed for: TPHg TPHf VOCs MTBE      Other: \_\_\_\_\_

Equipment Blank I.D.: @ \_\_\_\_\_      Duplicate I.D.: \_\_\_\_\_

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131023-NK2	Client: KMEP
Sampler: N/A	Start Date: 10/23/13
Well I.D.: GMW-0-24	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 45.15	Depth to Water: Pre: 29.40 Post: 29.41
Depth to Free Product: ~	Thickness of Free Product (feet): ~
Referenced to: <u>RVC</u> Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1245      Flow Rate: 200 mL/min      Pump Depth: 40'

Time	Temp. (°C or °F)	pH	Cond. (mS or <u>µS</u> )	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>mL</u> )	Depth to water
1248	20.5	7.12	2176	16.6	1.16	224	600	29.42
1251	20.5	7.17	2130	15.2	1.25	216	1200	29.43
1254	20.4	7.20	2122	14.2	1.91	200	1800	29.44
1257	20.3	7.20	2119	14.2	2.51	178	2400	29.45
1300	20.3	7.22	2117	12.0	2.58	170	3000	29.46
1303	20.2	7.24	2118	11.2	2.64	157	3600	29.46
1306	20.2	7.25	2117	11.0	2.71	147	<del>3600</del> 4200	29.46
1309	20.1	7.26	2118	10.4	2.80	141	4800	29.46
1312	20.0	7.27	2120	11.2	2.89	139	5400	29.46

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: <u>5400</u>
Sampling Time: <u>1313</u>	Sampling Date: <u>10/23/13</u>
Sample I.D.: <u>GMW-0-24</u>	Laboratory: <u>Alpha Analytical</u>
Analyzed for: <u>TPHg</u> <u>TPHfp</u> <u>VOC's</u> <u>MTBE</u>	Other: <u>Oxy's</u>
Equipment Blank I.D.: <u>EB-1</u> @ Time	Duplicate I.D.: <u>DUP-1</u>



## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007-AD2	Client: KMEP
Sampler: V0	Start Date: 10/09/13
Well I.D.: GM-SF-7	Well Diameter: 2 3 4 6 8
Total Well Depth: <del>30.08</del> 43.38	Depth to Water: Pre: 30.08 Post: 30.15
Depth to Free Product: <del>—</del> 43 (V0)	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: 1326      Flow Rate: 400 mL      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
1329	20.0	6.75	1521	20	3.55	78	1200	30.08
1331	21.4	6.36	1521	16	3.71	66	2400	30.14
1334	22.1	6.33	1524	14	3.81	65	3800	30.15
1337	21.9	6.24	1521	11	3.69	72	4800	30.15
1340	22.5	6.25	1526	8	3.64	78	6000	30.15

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 6000 mL
Sampling Time: 1445	Sampling Date: 10/09/13
Sample I.D.: GM-SF-7	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MPBE	Other: See CORE
Equipment Blank I.D.: @	Duplicate I.D.:

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007-A01	Client: KMEP
Sampler: 160	Start Date: 10/09/13
Well I.D.: GMW-SF-8	Well Diameter: 2 3 ④ 6 8
Total Well Depth: 43.74	Depth to Water: Pre: 32.16 Post: 32.27
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: PVC Grade	Flow Cell Type: YSI 556

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

Start Purge Time: 1503      Flow Rate: 400 mL      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
1506	21.4	6.89	1603	52	2.74	147	1200 mL	32.26
1509	22.5	6.61	1604	37	2.13	146	2400	32.26
1512	23.0	6.58	1610	31	2.08	144	3600	32.26
1515	23.1	6.66	1609	25	2.11	141	4800	32.26
1518	23.2	6.65	1605	21	2.10	141	6000	32.27
1521	23.2	6.69	1604	17	2.10	138	7200	32.27

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

Sampling Time: 1522      Sampling Date: 10/09/13

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

Analyzed for: TPHg TPHfp VOC's MTBE      Other: \_\_\_\_\_

Equipment Blank I.D.: EB-4 @ Time 1550      Duplicate I.D.: \_\_\_\_\_

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007-AD1	Client: KMEP
Sampler: BC	Start Date: 10/07/2013
Well I.D.: GWR-1	Well Diameter: 2 3 <u>(4)</u> 6 8
Total Well Depth: 46.00	Depth to Water: Pre: 29.66 Post: 29.72
Depth to Free Product: _____	Thickness of Free Product (feet): _____
Referenced to: <u>(PVC)</u> Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1133      Flow Rate: 500mL/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
1136	23.5	6.75	2632	68.5	0.32	-190	1800	29.72
1139	24.0	6.73	2637	62.6	0.90	-202	3000	29.72
1142	24.3	6.73	2629	58.1	0.63	-211	4500	29.72
1145	24.6	6.73	2630	49.5	0.40	-218	6000	29.72
1148	24.8	6.74	2628	34.7	0.29	-224	7500	29.72
1151	25.0	6.74	2627	32.1	0.27	-228	9000	29.72
1154	25.1	6.74	2628	33.4	0.24	-230	10500	29.72

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 10500
Sampling Time: 1155	Sampling Date: 10/11/13
Sample I.D.: GWR-1	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See C.O.C
Equipment Blank I.D.: FB-8 @ Time 1205	Duplicate I.D.:

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007-AD1	Client: KMEP
Sampler: AD	Start Date: 10/09/13
Well I.D.: HL-2	Well Diameter: 2 3 (4) 6 8
Total Well Depth: 39.03	Depth to Water: Pre: 32.21 Post: 32.28
Depth to Free Product: _____	Thickness of Free Product (feet): _____
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1511      Flow Rate: 400 mL/min      Pump Depth: 35.5'

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
1514	21.17	6.85	3263	34	0.79	101.6	1200	32.28
1517	21.74	7.04	3297	19	0.73	90.8	2400	32.28
1520	22.55	7.31	3321	11	0.77	78.9	3600	32.28
1523	22.96	7.43	3331	9	0.79	77.7	4800	32.28
1526	23.14	7.45	3341	9	0.81	70.7	6000	32.28
1529	23.22	7.47	3347	9	0.81	69.4	7200	32.28

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: 7200
Sampling Time: 1530	Sampling Date: 10/9/13
Sample I.D.: HL-2	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See C.O.C
Equipment Blank I.D.: EB-2 @ Time 1540	Duplicate I.D.:

## LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>W31006-AD1</u>	Client: <u>KMEP</u>
Sampler: <u>ms</u>	Start Date: <u>10/10/13</u>
Well I.D.: <u>HL-3</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: <u>41.44</u>	Depth to Water: Pre: <u>32.53</u> Post: <u>32.55</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 556 P<sub>10</sub>+</u>

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 0954      Flow Rate: 300 ml/min      Pump Depth: 40

Time	Temp. (°C or °F)	pH	Cond. (mS or <u>µS</u> )	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
0957	21.2	6.97	1615	8	0.26	-109.8	900	32.57
1002	21.3	6.97	1616	7	0.24	-109.4	1800	32.59
1003	21.6	6.98	1619	7	0.27	-102.2	2700	32.61
1006	21.8	6.99	1620	6	0.30	-99.0	3600	32.62
1009	22.0	7.00	1619	6	0.30	-96.2	4500	32.63
1012	22.2	7.00	1621	5	0.29	-96.0	5400	32.64

Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Amount actually evacuated:
Sampling Time: <u>1013</u>	Sampling Date: <u>10/10/13</u>
Sample I.D.: <u>HL-3</u>	Laboratory: <u>Alpha Analytical</u>
Analyzed for: <u>TPHg TPHfp VOC's MTBE</u>	Other: <u>SEWSON</u>
Equipment Blank I.D.: @ _____	Duplicate I.D.: _____

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131006-AD1	Client: KMEP
Sampler: MS	Start Date: 10/10/13
Well I.D.: MW-6	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 52.00	Depth to Water: Pre: 32.22 Post: 32.28
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI 556 P <sub>102</sub> +

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1051      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
1054	21.2	7.01	2844	12	0.31	-108.7	1500	32.27
1057	21.5	7.01	2846	10	0.23	-114.1	3000	32.29
1100	21.9	7.01	2857	9	0.25	-118.2	4500	32.30
1103	22.1	7.01	2858	9	0.23	-120.9	6000	32.30
1106	22.1	7.01	2861	9	0.22	-122.7	7500	32.30

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: 7500
Sampling Time: 1107	Sampling Date: 10/10/13
Sample I.D.: MW-6	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: see sow
Equipment Blank I.D.: @	Duplicate I.D.:

## LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>131006-AD1</u>	Client: <u>KMEP</u>
Sampler: <u>MS</u>	Start Date: <u>10/10/13</u>
Well I.D.: <u>MW-7</u>	Well Diameter: 2 3 <u>4</u> 6 8 <u>    </u>
Total Well Depth: <u>53.56</u>	Depth to Water: Pre: <u>33.35</u> Post: <u>35.37</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 556 PRO</u>

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1129      Flow Rate: 500      Pump Depth: 48

Time	Temp. (°C or °F)	pH	Cond. (mS or $\mu$ S)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1132	21.6	7.14	2503	9	0.29	-98.2	1500	35.39
1135	22.0	7.13	2482	7	0.33	-97.5	3000	35.41
1138	22.3	7.13	2497	7	0.25	-97.3	4500	35.41
1141	22.5	7.13	2526	6	0.22	-97.5	6000	35.41
1144	22.6	7.12	2531	6	0.21	-97.7	7500	35.41

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: <u>7500 mL</u>
Sampling Time: <u>1145</u>	Sampling Date: <u>10/10/13</u>
Sample I.D.: <u>MW-7</u>	Laboratory: <u>Alpha Analytical</u>
Analyzed for: <u>TPHg TPHfp VOC's MTBE</u>	Other: <u>SEW San</u>
Equipment Blank I.D.: @ _____	Duplicate I.D.: _____

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131006-ADI	Client: KMEP
Sampler: MS	Start Date: 10/10/13
Well I.D.: MW-8	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 50.47	Depth to Water: Pre: 30.94 Post: 30.96
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1435      Flow Rate: 500 mL/min      Pump Depth: 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
1438	21.6	6.90	1693	10	0.32	62.2	1500	30.98
1441	21.7	6.90	1695	9	0.27	65.7	3000	31.00
1444	22.0	6.90	1698	9	0.23	69.4	4500	31.00
1447	22.2	6.91	1699	8	0.20	72.9	6000	31.00
1450	22.2	6.91	1697	8	0.21	74.5	7500	31.00

Did well dewater? Yes <input checked="" type="checkbox"/> No	Amount actually evacuated: 2500
Sampling Time: 1451	Sampling Date: 10/10/13
Sample I.D.: MW-8	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: Sella
Equipment Blank I.D.: @	Duplicate I.D.:



## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007-ADI	Client: KMEP
Sampler: SL	Start Date: 10-10-13
Well I.D.: MW-9	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 51.92	Depth to Water: Pre: 31.95 Post: 32.00
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: RVE Grade	Flow Cell Type: YSI 556 Pro Plus

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1522      Flow Rate: 500 mL/min      Pump Depth: 46'

Time	Temp. (°C or °F)	pH	Cond. (mS or $\mu$ S)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1525	23.8	6.72	1849	9	0.92	-130.9	1500	31.98
1528	24.0	6.71	1847	9	0.84	-136.7	3000	31.99
1531	24.0	6.70	1840	8	0.79	-140.8	4500	31.99
1534	24.0	6.69	1836	8	0.76	-144.2	6000	31.99
1537	24.0	6.69	1833	8	0.72	-146.6	7500	31.99
1540	24.1	6.68	1830	8	0.70	-147.6	9000	32.00

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 96
Sampling Time: 1541	Sampling Date: 10-10-13
Sample I.D.: MW-9	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: Seecoc
Equipment Blank I.D.: EB-6 @ Time 1555	Duplicate I.D.:

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007-AD1	Client: KMEP
Sampler: AD	Start Date: 10/9/13
Well I.D.: MW-12	Well Diameter: 2 3 (4) 6 8
Total Well Depth: 51.85	Depth to Water: Pre: 31.02 Post: 31.09
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: 135m      Flow Rate: 400 mL/min      Pump Depth: 41'

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
1402	21.62	7.03	1013	17	2.09	53.0	1700	31.09
1405	22.31	7.78	1017	11	2.25	38.2	2400	31.09
1408	22.77	7.76	1017	9	1.45	43.5	3600	31.09
1411	22.67	7.75	1020	9	1.50	51.1	4800	31.09
1414	22.43	7.76	1021	8	1.54	52.1	6000	31.09

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 6000
Sampling Time: 1415	Sampling Date: 10/10/13
Sample I.D.: MW-12	Laboratory: Alpha Analytical
Analyzed for: TPHg (Δ), TPHfp (Δ), VOC's (Δ), MTBE (Δ)	Other: See doc
Equipment Blank I.D.: @	Duplicate I.D.:

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 130710-ANI	Client: KMEP
Sampler: (M)	Start Date: 10/7/13
Well I.D.: MW-15	Well Diameter: 2 3 (4) 6 8
Total Well Depth: -	Depth to Water: Pre: 37.18 Post: 37.23
Depth to Free Product: 31.87	Thickness of Free Product (feet): 0.31
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump WATER  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_

Start Purge Time: 0736      Flow Rate: 300ml/min      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
0739	21.8	6.64	1397	200	2.26	180.6	900	37.21
0742	21.8	6.84	1411	172	1.81	102.1	1800	37.22
0745	21.9	6.89	1466	154	1.74	105.1	2700	37.23
0748	21.9	6.92	1472	146	1.66	98.6	3000	37.23
0751	21.9	6.94	1479	140	1.59	97.2	4500	37.23

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: 4500
Sampling Time: 0752	Sampling Date: 10/11/13
Sample I.D.: MW-15	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 #: 131006-AD1	Client: KMEP
Sampler: MS	Start Date: 10/10/13
Well I.D.: MW-19(Mud)	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 62.00	Depth to Water: Pre: 35.91 Post: 35.95
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI 556 Pro+

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1229      Flow Rate: 500 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
1232	21.3	7.23	2103	6	0.38	-103.2	1500	36.01
1235	21.7	7.22	2097	4	0.29	-106.1	3000	36.02
1238	21.7	7.22	2099	3	0.28	-107.2	4500	36.02
1241	21.9	7.22	2095	3	0.30	-109.3	6000	36.02
1244	22.1	7.22	2102	2	0.27	-110.8	2500	36.02

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: 7500
Sampling Time: 1245	Sampling Date: 10/10/13
Sample I.D.: MW-19(Mud)	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: SWSAW
Equipment Blank I.D.: @ <small>Time</small>	Duplicate I.D.:

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131006-AD1	Client: KMEP
Sampler: MW	Start Date: 10/10/13
Well I.D.: MW-20(MD)	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 56.60	Depth to Water: Pre: 34.31 Post: 34.34
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      Pump Depth: 51

Time	Temp. (°C or °F)	pH	Cond. (mS or <del>µS</del> )	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1306	21.2	7.17	2610	8	0.41	-107.2	1500	34.37
1309	21.5	7.16	2621	7	0.31	-110.5	3000	34.39
1312	22.0	7.17	2623	7	0.29	-111.6	4500	34.40
1315	22.2	7.17	2633	6	0.26	-113.8	6000	34.40
1318	22.2	7.17	2636	6	0.25	-115.2	7500	34.40

Did well dewater? Yes <input checked="" type="radio"/> No <input type="radio"/>	Amount actually evacuated: 2500 mL
Sampling Time: 1319	Sampling Date: 10/10/13
Sample I.D.: MW-20(MD)	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHf VOC's MTBE	Other: See Saw
Equipment Blank I.D.: @ <small>Time</small>	Duplicate I.D.:

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131006-AD1	Client: KMEP
Sampler: MS	Start Date: 10/10/13
Well I.D.: MW-21(MID)	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 62.14	Depth to Water: Pre: 33.15 Post: 33.20
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: YSI 556 Pro 4

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1348      Flow Rate: 500 mL/min      Pump Depth: 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
1351	21.6	7.07	3056	12	0.31	-112.3	1500	33.20
1354	22.1	7.03	3072	9	0.24	-99.9	3000	33.22
1357	22.4	7.03	3074	7	0.21	-96.2	4500	33.22
1400	22.5	7.03	3077	7	0.21	-93.7	6000	33.22
1403	22.6	7.04	3076	6	0.20	-92.9	7500	33.22

Did well dewater? Yes <u>No</u>	Amount actually evacuated: 7500 mL
Sampling Time: 1404	Sampling Date: 10/10/13
Sample I.D.: MW-21(MID)	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See Saw
Equipment Blank I.D.: @	Duplicate I.D.:

## LOW FLOW WELL MONITORING DATA SHEET

Project #: <del>13104</del> 131007-1091	Client: <b>KMEP</b>
Sampler: <u>AS</u>	Start Date: <u>10/11/13</u>
Well I.D.: <u>MW-0-2</u>	Well Diameter: 2 3 <u>(4)</u> 6 8 _____
Total Well Depth: <u>41.34</u>	Depth to Water: Pre: <u>29.06</u> Post: <u>29.21</u>
Depth to Free Product: _____	Thickness of Free Product (feet): _____
Referenced to: <u>(PVC)</u> Grade	Flow Cell Type: <b>YSI 556</b>

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1155      Flow Rate: 500 mL/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
1158	23.52	6.73	1714	28	0.51	-187.4	1500	29.18
1201	23.54	6.73	1720	27	0.49	-192.3	3000	29.19
1204	23.65	6.73	1731	27	0.46	-189.3	4500	29.20
1207	23.69	6.73	1720	27	0.45	-182.1	6000	29.21
1210	23.76	6.73	1718	26	0.45	-185.4	7500	29.21

Did well dewater? Yes <input checked="" type="radio"/> No <input type="radio"/>	Amount actually evacuated: <u>7800</u>
Sampling Time: <u>1210</u>	Sampling Date: <u>10/11/13</u>
Sample I.D.: <u>MW-0-2</u>	Laboratory: <u>Alpha Analytical</u>
Analyzed for: <u>TPHg</u> <u>TPHf</u> <u>YOC's</u> <u>MTBE</u>	Other: <u>See coc</u>
Equipment Blank I.D.: <u>Ev-a</u> @ Time <u>1220</u>	Duplicate I.D.: _____

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007-AD1	Client: KMEP
Sampler: AD	Start Date: 10/11/13
Well I.D.: MW-SF-9	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 38.24	Depth to Water: Pre: 28.95 Post: 29.14
Depth to Free Product: _____	Thickness of Free Product (feet): _____
Referenced to: <u>PVC</u> Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump  
 Sampling Method: Dedicated Tubing New Tubing Other \_\_\_\_\_  
 Start Purge Time: 0827 Flow Rate: 500 mL/min Pump Depth: 33'

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
0830	21.52	6.53	2018	<sup>15</sup> <del>40</del>	1.16	-98.8	1500	29.14
0833	21.58	6.59	2019	13	1.29	-78.5	3000	29.14
0836	21.50	6.62	2023	10	1.31	-79.8	4500	29.14
0839	21.74	6.64	2013	10	1.02	-97.3	6000	29.14
0842	22.13	6.65	2020	9	1.00	-97.3	7800	29.14
0845	22.82	6.65	2023	9	0.99	-97.2	9000	29.14

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: 9000
Sampling Time: 0846	Sampling Date: 10/11/13
Sample I.D.: MW-SF-9	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See C.O.C
Equipment Blank I.D.: @ _____	Duplicate I.D.: _____



## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007-AD1	Client: KMEP
Sampler: AD	Start Date: 10/09/13
Well I.D.: PW-3	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 50.15	Depth to Water: Pre: 28.57 Post: 28.69
Depth to Free Product: _____	Thickness of Free Product (feet): _____
Referenced to: <u>PVC</u> Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1436      Flow Rate: 400 mL/min      Pump Depth: 39'

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
1439	21.51	7.45	2221	147	0.46	34.7	1200	28.64
1442	21.77	7.59	2227	135	0.42	23.3	2700	28.66
1445	22.65	7.66	2221	117	0.37	16.4	3600	28.67
1448	23.05	7.69	2240	116	0.35	15.6	4800	28.68
1451	23.21	7.70	2251	117	0.35	15.1	6000	28.69

Did well dewater? Yes <input checked="" type="radio"/> No <input type="radio"/>	Amount actually evacuated: 6000
Sampling Time: PW-3 1452	Sampling Date: 10/09/13
Sample I.D.: PW-3	Laboratory: Alpha Analytical
Analyzed for: <u>TPHg</u> TPHfp <u>VOC's</u> MTBE	Other: see doc
Equipment Blank I.D.: @ _____	Duplicate I.D.: _____

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007-AD1	Client: KMEP
Sampler: BC	Start Date: 10/07/2013
Well I.D.: PZ-2	Well Diameter: 2 3 <b>4</b> 6 8
Total Well Depth: 49.00	Depth to Water: Pre: 29.28 Post: 29.32
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: <b>PVC</b> 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: 1021      Flow Rate: 400 mL/min      Pump Depth: 39'

Time	Temp. (°C or °F)	pH	Cond. (mS or <b>µS</b> )	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1024	22.8	6.89	1244	24.7	0.47	-140	1200	29.32
1027	23.8	6.69	1257	19.9	0.67	-154	2400	29.32
1030	24.0	6.71	1260	14.8	0.80	-158	3600	29.32
1033	24.0	6.72	1263	12.9	0.72	-160	4800	29.32
1036	24.1	6.71	1271	11.6	0.61	-161	6000	29.32
1039	24.1	6.71	1269	11.7	0.66	-160	7200	29.32

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 7200
Sampling Time: 1055	Sampling Date: 10/11/2013
Sample I.D.: PZ-2	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See C.O.C
Equipment Blank I.D.: @	Duplicate I.D.:

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007-AM1	Client: KMEP
Sampler: AD	Start Date: 10/11/13
Well I.D.: PZ-5	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 37.86	Depth to Water: Pre: 29.31 Post: 29.45
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: <u>PVC</u> Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 0929      Flow Rate: 500 mL/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
0932	20.06	6.84	2712	30	0.45	-171.8	1500	29.44
0935	20.28	6.81	2735	31	0.45	-172.6	3000	29.44
0938	20.52	6.80	2738	30	0.43	-173.2	4500	29.45
0941	20.84	6.80	2742	30	0.42	-176.1	6000	29.45

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 6000
Sampling Time: 0942	Sampling Date: 10/11/13
Sample I.D.: PZ-5	Laboratory: <u>Alpha Analytical</u>
Analyzed for: <u>TPHg</u> TPHfp <u>VOC's</u> MTBE	Other: see coc
Equipment Blank I.D.: @ _____	Duplicate I.D.: DLP-4

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007-AD1	Client: KMEP
Sampler: AD	Start Date: 10/08/13
Well I.D.: WCW-2	Well Diameter: 2 3 (4) 6 8
Total Well Depth: 52.31	Depth to Water: Pre: 30.25 Post: 30.41
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: 120a      Flow Rate: 500 mL/min      Pump Depth: 41'

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
1212	22.11	7.53	2467	37	4.23	96.9	1500	30.39
1215	22.29	7.36	2487	21	4.24	99.9	3000	30.40
1218	22.83	7.49	2501	20	4.00	87.5	4500	30.40
1221	23.33	7.52	2485	20	3.92	79.6	6000	30.41
1224	23.51	7.52	2489	20	3.91	80.1	7500	30.41

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: 7500
Sampling Time: 1225	Sampling Date: 10/8/13
Sample I.D.: WCW-2	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See C.O.C
Equipment Blank I.D.: @ <small>Time</small>	Duplicate I.D.:

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007 AD1	Client: KMEP
Sampler: AD	Start Date: 10/09/13
Well I.D.: WCV-3	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 50.50	Depth to Water: Pre: 31.00 Post: 31.16
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: <u>PVC</u> Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 0813      Flow Rate: 500 mL/min      Pump Depth: 40.5'

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
0816	20.05	7.81	2730	15	1.62	164.4	1500	31.16
0819	20.93	7.82	2732	8	1.23	115.3	3000	31.16
0822	21.64	7.83	2790	4	1.00	102.2	4500	31.16
0825	21.87	7.82	2784	4	0.92	95.6	6000	31.16
0828	21.42	7.88	2786	4	0.90	93.2	7500	31.16

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: 7500
Sampling Time: 0829	Sampling Date: 10/09/13
Sample I.D.: WCV-3	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See C.O.C
Equipment Blank I.D.: @ <small>Time</small>	Duplicate I.D.:

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007-AM1	Client: KMEP
Sampler: AM	Start Date: 10/09/13
Well I.D.: WGW-4	Well Diameter: 2 3 (4) 6 8
Total Well Depth: 51.82	Depth to Water: Pre: 32.78 Post: 32.85
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: 0921      Flow Rate: 500 mL/min      Pump Depth: 42'

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
0924	21.26	7.70 <del>6.70</del>	3653	24	1.37	111.6	1500	32.84
0927	21.61	7.70	3710	20	1.14	99.0	3000	32.85
0930	21.83	7.70	3727	20	1.15	95.0	4500	32.85
0933	21.89	7.70	3731	20	1.17	90.7	6000	32.85

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 6000
Sampling Time: 0934	Sampling Date: 10/9/13
Sample I.D.: WGW-4	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See C.O.C
Equipment Blank I.D.: @	Duplicate I.D.:

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007-AD1	Client: KMEP
Sampler: AD	Start Date: 10/08/13
Well I.D.: WCW-5	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: <del>52.8</del> 50.00	Depth to Water: Pre: 27.17 Post: 27.22
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: PVC Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump  
 Sampling Method: Dedicated Tubing New Tubing Other \_\_\_\_\_  
 Start Purge Time: 1051 Flow Rate: 400 mL/min Pump Depth: 40'

Time	Temp. (C or F)	pH	Cond. (mS or $\mu$ S)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1054	<del>23.22</del> 7.70	7.70	2124	9	1.57	-22.3	1200	27.22
1057	<del>23.65</del> 7.77	7.77	2125	8	1.36	-25.0	2400	27.22
1100	<del>24.07</del> 7.70	7.78	2199	8	1.32	-25.8	3600	27.22
1103	24.34	7.78	2200	8	1.31	-26.1	4800	27.22

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 4800 mL
Sampling Time: 1104	Sampling Date: 10/8/13
Sample I.D.: WCW-5	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See C.O.C
Equipment Blank I.D.: @	Duplicate I.D.: Time

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007-AD1	Client: KMEP
Sampler: AD	Start Date: 10/09/13
Well I.D.: WcW-6	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 50.86	Depth to Water: Pre: 30.56 Post: 30.64
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: <u>PVC</u> Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1050      Flow Rate: <sup>400</sup> ~~500~~ mL/min      Pump Depth: 40'

Time	Temp. (°C or °F)	pH	Cond. (mS or <u>µS</u> )	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>mL</u> )	Depth to water
1053	22.40	6.99	3308	102	1.59	-18.4	1200	30.64
1056	22.99	7.14	3320	23	1.07	-29.4	2400	30.64
1059	23.70	7.30	3323	15	1.11	-36.3	3600	30.64
1102	23.62	7.43	3338	12	1.14	-37.7	4800	30.64
1105	23.36	7.34	3327	10	1.32	-33.3	6000	30.64
1108	24.06	7.43	3310	10	1.29	-40.4	7200	30.64
1111	24.47	7.45	3306	10	1.24	-41.5	8400	30.64

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: 8400
Sampling Time: 1112	Sampling Date: 10/09/13
Sample I.D.: WcW-6	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See C.O.C
Equipment Blank I.D.: @	Duplicate I.D.:



## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007-1A01	Client: KMEP
Sampler: AD	Start Date: 10/9/13
Well I.D.: Wcw-7	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 57.85	Depth to Water: Pre: 32.25 Post: 32.42
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: <u>PVC</u> Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump                      Peristaltic Pump                      Bladder Pump  
 Sampling Method: Dedicated Tubing                      New Tubing                      Other \_\_\_\_\_  
 Start Purge Time: 1017                      Flow Rate: 500 mL/min                      Pump Depth: 41'

Time	Temp. (°C or °F)	pH	Cond. (mS or <u>µS</u> )	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>mL</u> )	Depth to water
1020	22.02	7.22	4584	11	0.50	-11.3	1500	32.40
1023	22.69	7.23	4645	9	0.36	-14.2	3000	32.42
1026	23.53	7.53	4617	9	0.34	-14.6	4500	37.42
1029	23.68	7.58	4614	8	0.32	-15.5	6000	37.42
1032	23.75	7.58	4625	8	0.40	-15.5	7500	37.42

Did well dewater? Yes <input type="radio"/> <u>No</u> <input checked="" type="radio"/>	Amount actually evacuated: 7500
Sampling Time: 1033	Sampling Date: 10/09/13
Sample I.D.: Wcw-7	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: <u>See C.O.C</u>
Equipment Blank I.D.: @ <small>Time</small>	Duplicate I.D.:

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 13007-AD1	Client: KMEP
Sampler: AD	Start Date: 10/09/13
Well I.D.: W CW-8	Well Diameter: 2 3 (4) 6 8
Total Well Depth: 51.45	Depth to Water: Pre: 32.42 Post: 32.59
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grandfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 0947      Flow Rate: 500 mL/min      Pump Depth: 41'

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
0950	22.30	7.73	2956	22	0.42	-44.9	1500	32.59
0953	22.83	7.76	2953	22	0.39	-46.8	3000	32.59
0956	22.94	7.77	2954	20	0.38	-49.7	4500	32.59
0959	23.21	7.77	2960	20	0.38	-48.4	6000	32.59

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: 6000
Sampling Time: 1000	Sampling Date: 10/09/13
Sample I.D.: W CW-8	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See C.O.C
Equipment Blank I.D.: @ <small>Time</small>	Duplicate I.D.:

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131007-AD1	Client: KMEP
Sampler: AD	Start Date: 10/08/13
Well I.D.: WCV-12	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 60.00	Depth to Water: Pre: 31.13 Post: 31.28
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: <u>PVC</u> Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grandfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1241      Flow Rate: 500 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
1244	23.60	7.68	2438	132	1.17	25.6	1500	31.27
1247	24.08	7.73	2438	122	0.80	11.0	3000	31.27
1250	24.42	7.83	2442	120	0.64	2.1	4500	31.28
1253	24.42	7.83	2450	119	0.62	3.1	6000	31.28
1256	24.51	7.83	2472	119	0.62	3.7	<del>7200</del> 7500	31.28
1259	24.51	7.83	2489	118	0.61	4.2	2000	31.28

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: 2000
Sampling Time: 1300	Sampling Date: 10/8/13
Sample I.D.: WCV-12	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See C.O.C
Equipment Blank I.D.: @	Duplicate I.D.:

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 131009-AD	Client: KMEP
Sampler: AD	Start Date: 10/09/13
Well I.D.: WCW-13	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 60.32	Depth to Water: Pre: 32.66 Post: 32.72
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 0845      Flow Rate: 400 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
0848	20.26	7.53	2021	223	0.62	118.2	1200	32.72
0851	20.67	7.70	2026	196	0.56	105.5	2400	32.72
0854	21.24	7.88	2023	172	0.50	92.1	3600	32.72
0855	21.48	8.01	2100	161	0.47	83.8	4800	32.72
0858	21.64	8.02	2029	160	0.44	83.6	6000	32.72
0901	21.72	8.02	2022	152	0.44	83.0	7200	32.72

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 7200
Sampling Time: 0902	Sampling Date: 10/09/13
Sample I.D.: WCW-13	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See C.O.C
Equipment Blank I.D.: @	Duplicate I.D.:

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 13007-AD1	Client: KMEP
Sampler: AD	Start Date: 10/08/13
Well I.D.: WCV-14	Well Diameter: 2 3 4 6 8 <u>    </u>
Total Well Depth: 58.72	Depth to Water: Pre: 33.41 Post: 33.54
Depth to Free Product: <u>    </u>	Thickness of Free Product (feet): <u>    </u>
Referenced to: PVC Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump                      Peristaltic Pump                      Bladder Pump  
 Sampling Method: Dedicated Tubing                      New Tubing                      Other \_\_\_\_\_  
 Start Purge Time: 1520                      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
1523	22.81	7.47	2187	20	3.79	51.9	1500	33.52
1526	23.02	7.36	2198	11	3.55	66.7	3000	33.53
1529	23.24	7.40	2202	9	3.48	67.5	4500	33.54
1532	23.32	7.41	2204	8	3.45	65.3	6000	33.54
1535	23.47	7.42	2210	8	3.43	65.4	7500	33.54

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: 7500
Sampling Time: 1536	Sampling Date: 10/08/13
Sample I.D.: WCV-14	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See C.O.C
Equipment Blank I.D.: EVB-1 @ Time 1545	Duplicate I.D.:

# BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE  
 SAN JOSE, CALIFORNIA 95112-1105  
 FAX (408) 573-7771  
 PHONE (408) 573-0555

## CONDUCT ANALYSIS TO DETECT

LAB

Alpha Analytical COC <sup>1</sup>/<sub>2</sub> of <sup>2</sup>

Billing Information:  
 Kinder Morgan  
 1100 Town and Country Rd.  
 Orange CA 95112

Kinder Morgan Norwalk  
 Report to:  
 Dan Jablonski  
 CH2MHILL  
 1000 Wilshire Blvd 21st floor  
 Los Angeles, CA 90017

### CHAIN OF CUSTODY

CLIENT

Kinder Morgan

SITE

DFSP Norwalk

15306 Norwalk Blvd, Norwalk

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS			TPHg, TPHd (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
			AO= Water	#	Preservation	Type												
WCW-3	10/09/13	0822	AQ	5	HCl	WDA	X	X										
WCW-13		0902					X	X										
WCW-4		0934					X	X										
WCW-8		1000					X	X										
WCW-7		1033					X	X										
WCW-6		1112 1117 (B)					X	X										
EXP-5 WCW-5		1337					X	X										
GMW-17		1305					X	X										
MW-12		1415					X	X										
PW-3		1452					X	X										

SAMPLING COMPLETED: 10/09/13 1540  
 SAMPLING PERFORMED BY: Alex Jeller  
 RESULTS NEEDED NO LATER THAN: Standard

RELEASED BY: Alex Jeller (Signature) TIME: 1715 RECEIVED BY: Nicole DATE: 10/9/13 TIME: 1715

RELEASED BY: Nicole TIME: 1730 RECEIVED BY: (Signature) DATE: 10/9/13 TIME: 1730

RELEASED BY: (Signature) TIME: 1730 RECEIVED BY: (Signature) DATE: 10/9/13 TIME: 1730

SHIPPED VIA: TIME SENT: COOLER #:

# BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE  
 SAN JOSE, CALIFORNIA 95112-1105  
 FAX (408) 573-7771  
 PHONE (408) 573-0555

## CONDUCT ANALYSIS TO DETECT

LAB

Alpha Analytical COC 1 of 1

Billing Information:  
 Kinder Morgan  
 1100 Town and Country Rd.  
 Orange CA 95112

Kinder Morgan Norwalk  
 Report to:  
 Dan Jablonski  
 CH2MHILL  
 1000 Wilshire Blvd 21st floor  
 Los Angeles, CA 90017

### CHAIN OF CUSTODY

CLIENT  
 Kinder Morgan

SITE  
 DFSP Norwalk

15306 Norwalk Blvd, Norwalk

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS			TPHg, TPHd (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
			AG= Water	#	Preservation	Type												
EXP-1	10/07/13	08:45	AG (B)	5	HCl	non	X	X										
EXP-2		09:28					X	X										
EXP-3		09:08					X	X										
TB-1	10/07/13	01:60		3				X										
WCW-5	10/08/13	11:04		5			X	X										
WCW-2		12:25					X	X										
WCW-12		13:00					X	X										
EXP-4		15:13					X	X										
WCW-14		15:36 15:45					X	X							time	15:36		
EB-1		15:45					X	X										

SAMPLING COMPLETED DATE 10/03/13 TIME 15:45 SAMPLING PERFORMED BY AD RESULTS NEEDED NO LATER THAN Standard

RELEASED BY *[Signature]* TIME 11:45 RECEIVED BY Nicole DATE 10/9/13 TIME 17:45

RELEASED BY Nicole TIME 17:30 RECEIVED BY *[Signature]* DATE 10/9/13 TIME 17:30

RELEASED BY *[Signature]* TIME 17:30 RECEIVED BY DATE TIME

SHIPPED VIA TIME SENT COOLER #

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TECH SERVICES, INC.

1680 ROGERS AVENUE  
 SAN JOSE, CALIFORNIA 95112-1105  
 FAX (408) 573-7771  
 PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB Alpha Analytical COC 6 of 6

Billing Information:  
 Kinder Morgan  
 1100 Town and Country Rd.  
 Orange CA 95112

Kinder Morgan Norwalk  
 Report to:  
 Dan Jablonski  
 CH2MHILL  
 1000 Wilshire Blvd 21st floor  
 Los Angeles, CA 90017

CHAIN OF CUSTODY

CLIENT **Kinder Morgan**

SITE **DFSP Norwalk**

**15306 Norwalk Blvd, Norwalk**

SAMPLE I.D.	DATE	TIME	MATRIX AQ= Water	CONTAINERS		TPHg, TPHd (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #	
				#	Preservation													Type
GMW-0-1	10/9/13	1210	AQ	5	HCL	VOA	X	X										
GMW-0-2		1305		5	HCL	VOA	X	X										
GMW-0-3		1347		5	HCL	VOA	X	X										
GMW-0-4		1419		5	HCL	VOA	X	X										
GMW-0-5		1502		5	HCL	VOA	X	X										
EB-3		1515		5	HCL	VOA	X	X										

SAMPLING COMPLETED 10/9/13 | TIME 1515 | SAMPLING PERFORMED BY TODD MURDOCK | RESULTS NEEDED NO LATER THAN Standard

RELEASED BY [Signature] | TIME 1715 | RECEIVED BY Nicole | DATE 10/9/13 | TIME 1715

RELEASED BY Nicole | TIME 1730 | RECEIVED BY [Signature] | DATE 10/9/13 | TIME 1730

RELEASED BY [Signature] | TIME 1730 | RECEIVED BY [Signature] | DATE 10/9/13 | TIME 1730

SHIPPED VIA \_\_\_\_\_ | TIME SENT \_\_\_\_\_ | COOLER # \_\_\_\_\_



# BLAINE

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1680 ROGERS AVENUE  
 SAN JOSE, CALIFORNIA 95112-1105  
 FAX (408) 573-7771  
 PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB

Alpha Analytical COC <sup>2</sup>/<sub>1</sub> of <sub>1</sub>

Billing Information:  
 Kinder Morgan  
 1100 Town and Country Rd.  
 Orange CA 95112

Kinder Morgan Norwalk  
 Report to:  
 Dan Jablonski  
 CH2MHILL  
 1000 Wilshire Blvd 21st floor  
 Los Angeles, CA 90017

CHAIN OF CUSTODY

CLIENT  
 Kinder Morgan

SITE  
 DFSP Norwalk

15306 Norwalk Blvd, Norwalk

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS			TPHg, TPHd (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
			AG= Water	#	Preservation	Type												
GMW-13	10/09/13	1317	AG	5	11C1	VO2	X	X										
GMW-37		1403					X	X										
GMW-SF-7		1445					X	X										
GMW-SF8		1522					X	X										
GMW-0-12	✓	1230	✓				X	X										
EVS-4	✓	1550	✓	✓	✓	✓	X	X										

SAMPLING COMPLETED DATE 10/09/13 TIME 1550 SAMPLING PERFORMED BY KO RESULTS NEEDED NO LATER THAN Standard

RELEASED BY *[Signature]* TIME 1715 RECEIVED BY Nicole DATE 10/9/13 TIME 1715

RELEASED BY Nicole TIME 1730 RECEIVED BY *[Signature]* DATE 10/9/13 TIME 1730

RELEASED BY *[Signature]* TIME 1730 RECEIVED BY *[Signature]* DATE DATE TIME

SHIPPED VIA TIME SENT COOLER #



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TECH SERVICES, INC.

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 SAN JOSE, CALIFORNIA 95112-1105  
 FAX (408) 573-7771  
 PHONE (408) 573-0555

## CONDUCT ANALYSIS TO DETECT

LAB

Alpha Analytical COC 2 of 1

Billing Information:  
 Kinder Morgan  
 1100 Town and Country Rd.  
 Orange CA 95112

Kinder Morgan Norwalk  
 Report to:  
 Dan Jablonski  
 CH2MHILL  
 1000 Wilshire Blvd 21st floor  
 Los Angeles, CA 90017

### CHAIN OF CUSTODY

CLIENT

Kinder Morgan

SITE

DFSP Norwalk

15306 Norwalk Blvd, Norwalk

SAMPLE I.D.	DATE	TIME	MATRIX AC= Water	CONTAINERS			TPHg, TPHd (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
				#	Preservation	Type												
GMW-0-9	10-10-13	1131	w	5	HCl	WGS	X	X										
GMW-0-18		1212					X	X										
GMW-14		1316					X	X										
GMW-27		1406					X	X										
DUP-2		-					X	X										
GMW-1		1503					X	X										
<del>GMW-9</del>		<del>1541</del>					X	X										
EB-6	↓	1555	↓	↓	↓	↓	X	X										
NW-9	↓	1541	↓	↓	↓	↓	X	X										

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED
	10-10-13	1600	Samuel Ramirez	NO LATER THAN
RELEASED BY				Standard
		TIME	RECEIVED BY	DATE
		1640	Nicole	10/10/13
RELEASED BY		TIME	RECEIVED BY	DATE
		1712		10/10/13
RELEASED BY		TIME	RECEIVED BY	DATE
		1712		1712
SHIPPED VIA	TIME SENT	COOLER #		





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 SAN JOSE, CALIFORNIA 95112-1105  
 FAX (408) 573-7771  
 PHONE (408) 573-0555

## CONDUCT ANALYSIS TO DETECT

LAB

Alpha Analytical COC 1 of 3

Billing Information:  
 Kinder Morgan  
 1100 Town and Country Rd.  
 Orange CA 95112

Kinder Morgan Norwalk  
 Report to:  
 Dan Jablonski  
 CH2MHILL  
 1000 Wilshire Blvd 21st floor  
 Los Angeles, CA 90017

CHAIN OF CUSTODY

CLIENT

Kinder Morgan

SITE

DFSP Norwalk

15306 Norwalk Blvd, Norwalk

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS			TPHg, TPHd (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
			AO= Water	#	Preservation	Type												
MW-15	10/11/13	0752	AQ	5	H2L	V02	X	X										
MW-4		0826					X	X										
MW-10		0856					X	X										
MW-36		0941					X	X										
MW-15		1016					X	X										
MW-12	10/11/13	1051	AQ	5	H2L	V02	X	X										
EP-7	10/11/13	1100	AQ	5	H2L	V02	X	X										

SAMPLING COMPLETED DATE 10/11/13 TIME 1200 SAMPLING PERFORMED BY MATT HOUSCH RESULTS NEEDED NO LATER THAN Standard

RELEASED BY [Signature] TIME 1400 RECEIVED BY [Signature] DATE 10/11/13 TIME 1400

RELEASED BY Nicole TIME 1500 RECEIVED BY [Signature] DATE 10/11/13 TIME 1500

RELEASED BY [Signature] TIME 1500 RECEIVED BY [Signature] DATE [ ] TIME [ ]

SHIPPED VIA [ ] TIME SENT [ ] COOLER # [ ]



# BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE  
 SAN JOSE, CALIFORNIA 95112-1105  
 FAX (408) 573-7771  
 PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB

Alpha Analytical COC 2 of 3

Billing Information:  
 Kinder Morgan  
 1100 Town and Country Rd.  
 Orange CA 95112

Kinder Morgan Norwalk  
 Report to:  
 Dan Jablonski  
 CH2MHILL  
 1000 Wilshire Blvd 21st floor  
 Los Angeles, CA 90017

CHAIN OF CUSTODY

CLIENT **Kinder Morgan**

SITE **DFSP Norwalk**

**15306 Norwalk Blvd, Norwalk**

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS			TPHg, TPHd (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)								ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
			AQ= Water	#	Preservation	Type													
DWP-4	10/14/13	—	A&W	5	Hcl	Voc	X	X											
DWP-5	↓	—	↓	↓	↓	↓	X	X											

SAMPLING COMPLETED DATE 10/14/13 TIME 1220 SAMPLING PERFORMED BY AD RESULTS NEEDED NO LATER THAN Standard

RELEASED BY [Signature] TIME 1415 RECEIVED BY Nicole DATE 10/11/13 TIME 1415

RELEASED BY Nicole TIME 1500 RECEIVED BY [Signature] DATE 10/11/13 TIME 1500

RELEASED BY [Signature] TIME 1500 RECEIVED BY [Signature] DATE   TIME  

SHIPPED VIA TIME SENT COOLER #



# BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE  
 SAN JOSE, CALIFORNIA 95112-1105  
 FAX (408) 573-7771  
 PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB

Alpha Analytical COC 1 of 1

Billing Information:  
 Kinder Morgan  
 1100 Town and Country Rd.  
 Orange CA 95112

Kinder Morgan Norwalk  
 Report to:  
 Dan Jablonski  
 CH2MHILL  
 1000 Wilshire Blvd 21st floor  
 Los Angeles, CA 90017

CHAIN OF CUSTODY

CLIENT  
 Kinder Morgan

SITE  
 DFSP Norwalk  
 15306 Norwalk Blvd, Norwalk

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS			TPHg, TPHd (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
			AQ= Water	#	Preservation	Type												
GMW-0-24	10/23/13	1313	AQ	5	HCL	VOA	X	X										
DUP-1	↓		↓	5	↓	↓	X	X										
EB-1	↓	1330	↓	5	↓	↓	X	X										
TB-1	↓	1400	↓	25	↓	↓		X										

SAMPLING COMPLETED | DATE 10/23/13 | TIME 1400 | SAMPLING PERFORMED BY *Nicholas King* | RESULTS NEEDED NO LATER THAN **Standard**

RELEASED BY *Nicholas King (BTS)* | TIME 1530 | RECEIVED BY | DATE | TIME

RELEASED BY | TIME | RECEIVED BY | DATE | TIME

RELEASED BY | TIME | RECEIVED BY | DATE | TIME

SHIPPED VIA | TIME SENT | COOLER #

## Attachment 7.3-1 Well Inspection Checklist

### WELL INSPECTION CHECKLIST

Site - City, County, State

WELL NAME	AS-BUILT TOTAL DEPTH (TD)	ACCESS UNOBSTRUCTED? (Y/N)	WELL EASILY VISIBLE? (Y/N)	VAULT, WELL, OR CASING CLEARLY LABELED? (Y/N)	WELL, VAULT, PAD, OR CASING FREE OF VISIBLE DAMAGE, SCOUR, OR SETTLING? (Y/N)	WELL SECURED PROPERLY WITH WATER-TIGHT WELL CAP AND LOCK? (Y/N)	WELL VAULT DRY AND FREE OF DEBRIS? (Y/N)	TD CONSISTENT WITH AS-BUILT TD? (Y/N)	COMMENTS
Exp-1		Y	Y	Y	Y	Y	Y		
Exp-2		Y	Y	Y	Y	Y	Y		
Exp-3		Y	Y	Y	Y	Y	Y		
Exp-4		Y	Y	Y	Y	Y	Y		
Exp-5		X	Y	Y	Y	Y	Y		
Gmw-1		Y	Y	Y	Y	Y	Y		
Gmw-10		X	Y	Y	Y	Y	Y		
Gmw-13		Y	Y	Y	Y	Y	Y		
Gmw-14		Y	Y	Y	Y	Y	Y		
Gmw-22		X	Y	Y	Y	Y	Y		
Gmw-23		Y	Y	N	N	N	N		Well lid missing
Gmw-24		Y	Y	Y	Y	Y	Y		
Gmw-25		Y	Y	Y	Y	Y	Y		
Gmw-26		Y	Y	Y	Y	Y	Y		
Gmw-26		Y	Y	Y	Y	Y	Y		
Gmw-27		Y	Y	Y	Y	Y	Y		
Gmw-28		Y	Y	Y	Y	Y	Y		
Gmw-29		X	Y	Y	Y	Y	Y		
Gmw-3		<del>Y</del>	<del>Y</del>	<del>Y</del>	<del>Y</del>	<del>Y</del>	<del>Y</del>		unable to locate
Gmw-30		Y	Y	X	Y	Y	Y		
Gmw-36		Y	Y	Y	Y	Y	Y		
Gmw-37		Y	Y	Y	Y	Y	Y		
Gmw-38		Y	Y	Y	Y	Y	Y		

Performed by: ADJ

Date Performed: 10/9/13 - 10/9/13

**Attachment 7.3-1**  
**Well Inspection Checklist**

**WELL INSPECTION CHECKLIST**

Site - City, County, State

WELL NAME	AS-BUILT TOTAL DEPTH (TD)	ACCESS UNOBSTRUCTED? (Y/N)	WELL EASILY VISIBLE? (Y/N)	VAULT, WELL, OR CASING CLEARLY LABELED? (Y/N)	WELL, VAULT, PAD, OR CASING FREE OF VISIBLE DAMAGE, SCOUR, OR SETTLING? (Y/N)	WELL SECURED PROPERLY WITH WATER-TIGHT WELL CAP AND LOCK? (Y/N)	WELL VAULT DRY AND FREE OF DEBRIS? (Y/N)	TD CONSISTENT WITH AS-BUILT TD? (Y/N)	COMMENTS
Gmw-3a		Y	Y	Y	Y	Y	Y		
Gmw-4		Y	Y	Y	Y	Y	Y		
Gmw-8									Unable to locate
Gmw-9		Y	Y	Y	Y	Y	Y		
Gmw-0-1		Y	Y	Y	Y	Y	Y		
Gmw-0-10		Y	Y	Y	Y	Y	Y		
Gmw-0-11		Y	Y	Y	Y	Y	Y		
Gmw-0-12		Y	Y	Y	Y	Y	Y		
Gmw-0-14		Y	Y	Y	Y	Y	Y		
Gmw-0-15		Y	Y	Y	Y	Y	Y		
Gmw-0-16		Y	Y	Y	Y	Y	Y		
Gmw-0-17		Y	Y	Y	Y	Y	Y		
Gmw-0-18		Y	Y	Y	Y	Y	Y		
Gmw-0-2		Y	Y	Y	Y	Y	Y		
Gmw-0-20		Y	Y	Y	Y	Y	Y		
Gmw-0-21		Y	Y	Y	Y	Y	Y		
Gmw-0-22		Y	Y	Y	Y	Y	Y		
Gmw-0-23		Y	Y	Y	Y	Y	Y		
Gmw-0-24		N	Y	Y	N	Y	N	N/A	beehive in well vault, hole on the side
Gmw-0-3		Y	Y	Y	Y	Y	Y		
Gmw-0-4		Y	Y	Y	Y	Y	Y		
Gmw-0-5		Y	Y	Y	Y	Y	Y		
Gmw-0-6		Y	Y	Y	Y	Y	Y		

Performed by: AD

Date Performed: 10/7/13 - 10/9/13

## Attachment 7.3-1 Well Inspection Checklist

### WELL INSPECTION CHECKLIST

Site - City, County, State

WELL NAME	AS-BUILT TOTAL DEPTH (TD)	ACCESS UNOBSTRUCTED? (Y/N)	WELL EASILY VISIBLE? (Y/N)	VAULT, WELL, OR CASING CLEARLY LABELED? (Y/N)	WELL, VAULT, PAD, OR CASING FREE OF VISIBLE DAMAGE, SCOUR, OR SETTLING? (Y/N)	WELL SECURED PROPERLY WITH WATER-TIGHT WELL CAP AND LOCK? (Y/N)	WELL VAULT DRY AND FREE OF DEBRIS? (Y/N)	TD CONSISTENT WITH AS-BUILT TD? (Y/N)	COMMENTS
Gmw-0-7	✓ (M)	Y	Y	Y	Y	Y	Y		
Gmw-0-8		Y	Y	Y	Y	Y	Y		
Gmw-0-2		Y	Y	Y	Y	Y	Y		
Gmw-SF-7		Y	Y	Y	Y	Y	Y		
Gmw-SF-8		Y	Y	Y	Y	Y	Y		
GWR-1		Y	Y	Y	Y	Y	Y		
GWR-2		Y	Y	Y	Y	Y	Y		
HL-2		Y	Y	Y	Y	Y	Y		
HL-3		Y	Y	Y	Y	Y	Y		
Mw-12		Y	Y	Y	Y	Y	Y		
Mw-15		Y	Y	Y	Y	Y	Y		
Mw-1A(MSD)		Y	Y	Y	Y	Y	Y		
Mw-1B(MSD)		Y	Y	Y	Y	Y	Y		
Mw-20(MSD)		Y	Y	Y	Y	Y	Y		
Mw-21(MSD)		Y	Y	Y	Y	Y	Y		
Mw-6		Y	Y	Y	Y	Y	Y		
Mw-7		Y	Y	Y	Y	Y	Y		
Mw-8		Y	Y	Y	Y	Y	Y		
Mw-9		Y	Y	Y	Y	Y	Y		
Mw-0-1		Y	Y	Y	Y	Y	Y		
Mw-0-2		Y	Y	Y	Y	Y	Y		
Mw-SF-1		Y	Y	Y	Y	Y	Y		
Mw-SF-10		Y	Y	Y	Y	Y	Y		

Performed by: AS

Date Performed: 10/7/13 - 10/9/13

**Attachment 7.3-1**  
**Well Inspection Checklist**

**WELL INSPECTION CHECKLIST**

Site - City, County, State

WELL NAME	AS-BUILT TOTAL DEPTH (TD)	ACCESS UNOBSTRUCTED? (Y/N)	WELL EASILY VISIBLE? (Y/N)	VAULT, WELL, OR CASING CLEARLY LABELED? (Y/N)	WELL, VAULT, PAD, OR CASING FREE OF VISIBLE DAMAGE, SCOUR, OR SETTLING? (Y/N)	WELL SECURED PROPERLY WITH WATER-TIGHT WELL CAP AND LOCK? (Y/N)	WELL VAULT DRY AND FREE OF DEBRIS? (Y/N)	TD CONSISTENT WITH AS-BUILT TD? (Y/N)	COMMENTS
MW-SF-11	✓(S)	Y	Y	Y	Y	Y	Y		
MW-SF-12		Y	Y	Y	Y	Y	Y		
MW-SF-13		Y	Y	Y	Y	Y	Y		
MW-SF-14		Y	Y	Y	Y	Y	Y		
MW-SF-15		Y	Y	Y	Y	Y	Y		
MW-SF-16		Y	Y	Y	Y	Y	Y		
MW-SF-2		Y	Y	Y	Y	Y	Y		
MW-SF-3		Y	Y	Y	Y	Y	Y		
MW-SF-4		Y	Y	Y	Y	Y	Y		
MW-SF-5		Y	Y	Y	Y	Y	Y		
MW-SF-6		Y	Y	Y	Y	Y	Y		
MW-SF-7		Y	Y	Y	Y	Y	Y		
MW-SF-8		Y	Y	Y	Y	Y	Y		
MW-SFA		Y	Y	Y	Y	Y	Y		
PW-1		Y	Y	Y	Y	Y	Y		
PW-2		Y	Y	Y	Y	Y	Y		
PW-3		Y	Y	Y	Y	Y	Y		
PZ-2		Y	Y	Y	Y	Y	Y		
PZ-5		Y	Y	Y	Y	Y	Y		
VEW-1		Y	Y	Y	Y	Y	Y		
VEW-2		Y	Y	Y	Y	Y	Y		

Performed by: AD

Date Performed: 10/7/13-10/13



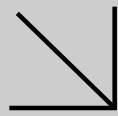
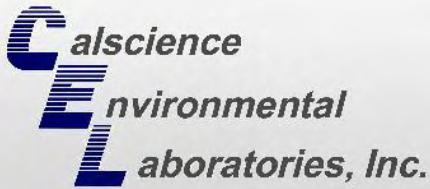








**APPENDIX B**  
**Semiannual Event Laboratory Analytical Reports and**  
**Chain-of-Custody Documents**



# CALSCIENCE

## WORK ORDER NUMBER: 13-10-0510

*The difference is service*



AIR | SOIL | WATER | MARINE CHEMISTRY

### Analytical Report For

**Client:** Parsons Government Services, Inc.

**Client Project Name:** DFSP Norwalk

**Attention:** Mary Lucas  
100 West Walnut Street  
Pasadena, CA 91124-0002

Approved for release on 10/14/2013 by:  
Ranjit Clarke  
Project Manager

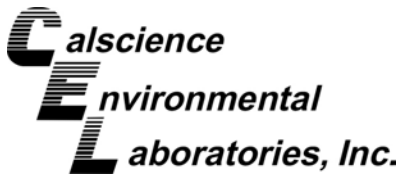
ResultLink ▶

Email your PM ▶



Calscience Environmental Laboratories, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.





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Client Project Name: DFSP Norwalk  
Work Order Number: 13-10-0510

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**Work Order Narrative**

Work Order: 13-10-0510

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**Condition Upon Receipt:**

Samples were received under Chain of Custody (COC) on 10/07/13. They were assigned to Work Order 13-10-0510.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

**Holding Times:**

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of  $\leq 15$  minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

**Quality Control:**

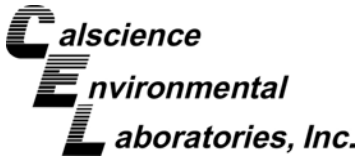
All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

**Additional Comments:**

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

**Subcontractor Information:**

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.



## Analytical Report

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/07/13  
 Work Order: 13-10-0510  
 Preparation: EPA 3510C  
 Method: EPA 8015B (M)  
 Units: ug/L

Project: DFSP Norwalk

Page 1 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EXP-3	13-10-0510-1-G	10/07/13 08:08	Aqueous	GC 47	10/08/13	10/08/13 22:39	131008B04

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	100	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	118	68-140	

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	100	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	124	68-140	

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	100	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	115	68-140	

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	100	1	

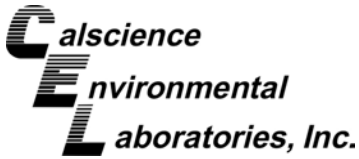
Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	122	68-140	

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	100	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	122	68-140	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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## Analytical Report

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/07/13  
 Work Order: 13-10-0510  
 Preparation: EPA 3510C  
 Method: EPA 8015B (M)  
 Units: ug/L

Project: DFSP Norwalk

Page 2 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-41	13-10-0510-6-G	10/07/13 11:33	Aqueous	GC 47	10/08/13	10/09/13 00:01	131008B04

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	100	1	
Surrogate	Rec. (%)	Control Limits	Qualifiers	
n-Octacosane	121	68-140		

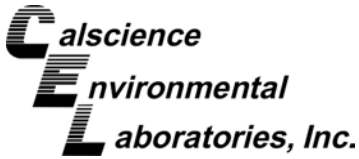
Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	100	1	
Surrogate	Rec. (%)	Control Limits	Qualifiers	
n-Octacosane	129	68-140		

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	100	1	
Surrogate	Rec. (%)	Control Limits	Qualifiers	
n-Octacosane	130	68-140		

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	100	1	
Surrogate	Rec. (%)	Control Limits	Qualifiers	
n-Octacosane	125	68-140		

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	180	100	1	HD
Surrogate	Rec. (%)	Control Limits	Qualifiers	
n-Octacosane	124	68-140		

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



### Analytical Report

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/07/13  
 Work Order: 13-10-0510  
 Preparation: EPA 3510C  
 Method: EPA 8015B (M)  
 Units: ug/L

Project: DFSP Norwalk

Page 3 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>GMW-31</b>	<b>13-10-0510-11-G</b>	<b>10/07/13 09:59</b>	<b>Aqueous</b>	<b>GC 47</b>	<b>10/08/13</b>	<b>10/09/13 01:57</b>	<b>131008B04</b>

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	210	100	1	HD
Surrogate	Rec. (%)	Control Limits	Qualifiers	
n-Octacosane	108	68-140		

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	240	100	1	HD
Surrogate	Rec. (%)	Control Limits	Qualifiers	
n-Octacosane	122	68-140		

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	100	1	
Surrogate	Rec. (%)	Control Limits	Qualifiers	
n-Octacosane	114	68-140		

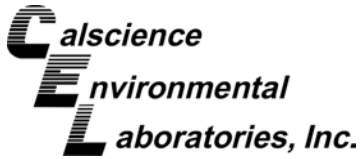
Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	210	100	1	HD
Surrogate	Rec. (%)	Control Limits	Qualifiers	
n-Octacosane	119	68-140		

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	150	100	1	HD
Surrogate	Rec. (%)	Control Limits	Qualifiers	
n-Octacosane	119	68-140		

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 3510C  
Method: EPA 8015B (M)  
Units: ug/L

Project: DFSP Norwalk

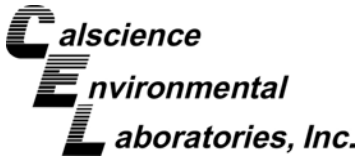
Page 4 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>Method Blank</b>	<b>099-15-282-137</b>	<b>N/A</b>	<b>Aqueous</b>	<b>GC 47</b>	<b>10/08/13</b>	<b>10/08/13 21:51</b>	<b>131008B04</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
TPH as Diesel	ND	100	1	
<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>	
n-Octacosane	102	68-140		

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/07/13  
 Work Order: 13-10-0510  
 Preparation: EPA 5030C  
 Method: EPA 8015B (M)  
 Units: ug/L

Project: DFSP Norwalk

Page 1 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EXP-3	13-10-0510-1-E	10/07/13 08:08	Aqueous	GC 25	10/08/13	10/08/13 16:27	131008B01

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	100	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	82	38-134	

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	100	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	82	38-134	

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	100	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	82	38-134	

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	100	1	

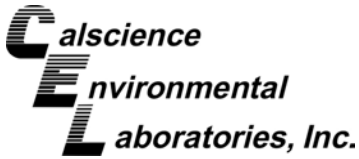
Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	81	38-134	

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	100	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	79	38-134	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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## Analytical Report

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/07/13  
 Work Order: 13-10-0510  
 Preparation: EPA 5030C  
 Method: EPA 8015B (M)  
 Units: ug/L

Project: DFSP Norwalk

Page 2 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-41	13-10-0510-6-E	10/07/13 11:33	Aqueous	GC 25	10/08/13	10/08/13 19:49	131008B01

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	100	1	
Surrogate	Rec. (%)	Control Limits	Qualifiers	
1,4-Bromofluorobenzene	80	38-134		

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	100	1	
Surrogate	Rec. (%)	Control Limits	Qualifiers	
1,4-Bromofluorobenzene	81	38-134		

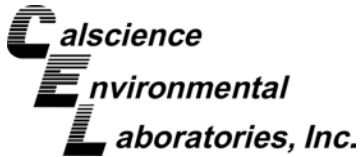
Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	100	1	
Surrogate	Rec. (%)	Control Limits	Qualifiers	
1,4-Bromofluorobenzene	81	38-134		

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	100	1	
Surrogate	Rec. (%)	Control Limits	Qualifiers	
1,4-Bromofluorobenzene	79	38-134		

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	100	1	
Surrogate	Rec. (%)	Control Limits	Qualifiers	
1,4-Bromofluorobenzene	77	38-134		

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 5030C  
Method: EPA 8015B (M)  
Units: ug/L

Project: DFSP Norwalk

Page 3 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-31	13-10-0510-11-E	10/07/13 09:59	Aqueous	GC 25	10/08/13	10/08/13 22:36	131008B01

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	100	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	76	38-134	

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	100	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	78	38-134	

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	100	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	79	38-134	

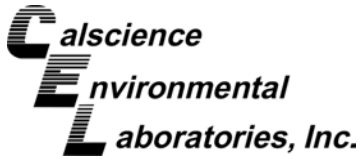
Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	100	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	78	38-134	

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	100	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	75	38-134	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 5030C  
Method: EPA 8015B (M)  
Units: ug/L

Project: DFSP Norwalk

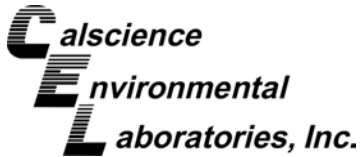
Page 4 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>Method Blank</b>	<b>099-15-704-546</b>	<b>N/A</b>	<b>Aqueous</b>	<b>GC 25</b>	<b>10/08/13</b>	<b>10/08/13 11:26</b>	<b>131008B01</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
TPH as Gasoline	ND	100	1	
<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>	
1,4-Bromofluorobenzene	82	38-134		

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

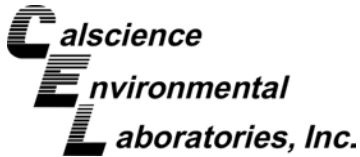
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EXP-3	13-10-0510-1-A	10/07/13 08:08	Aqueous	GC/MS XX	10/08/13	10/09/13 00:31	131008L02

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	0.36	0.50	0.24	1	J
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

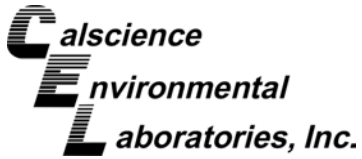
Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

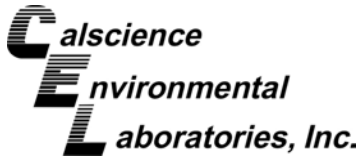
Date Received: 10/07/13  
 Work Order: 13-10-0510  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	94	80-120	
Dibromofluoromethane	106	80-126	
1,2-Dichloroethane-d4	105	80-134	
Toluene-d8	100	80-120	





## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

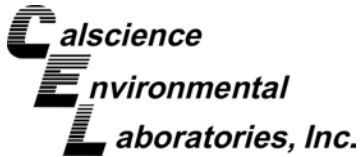
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EXP-1	13-10-0510-2-A	10/07/13 08:48	Aqueous	GC/MS XX	10/08/13	10/09/13 02:25	131008L02

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

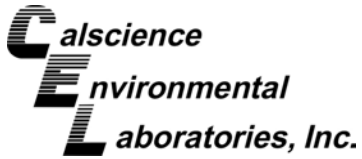
Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

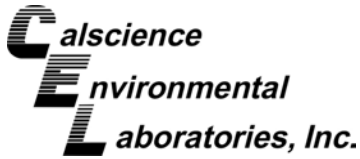
Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/07/13  
 Work Order: 13-10-0510  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	105	80-126	
1,2-Dichloroethane-d4	105	80-134	
Toluene-d8	99	80-120	



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

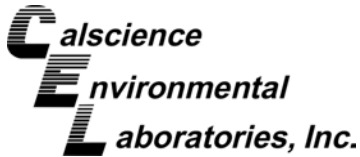
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EXP-2	13-10-0510-3-A	10/07/13 09:28	Aqueous	GC/MS XX	10/08/13	10/09/13 02:54	131008L02

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

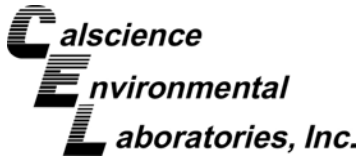
Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

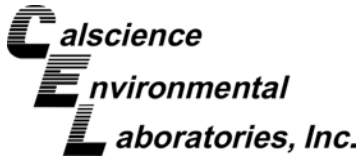
Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/07/13  
 Work Order: 13-10-0510  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	93	80-120	
Dibromofluoromethane	105	80-126	
1,2-Dichloroethane-d4	101	80-134	
Toluene-d8	99	80-120	



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

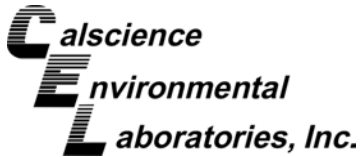
Page 10 of 57

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GW-3	13-10-0510-4-B	10/07/13 10:08	Aqueous	GC/MS XX	10/09/13	10/10/13 05:45	131009L02

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

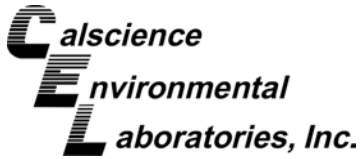
Project: DFSP Norwalk

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.





## Analytical Report

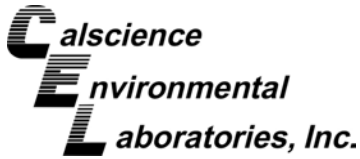
Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/07/13  
 Work Order: 13-10-0510  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	90	80-120	
Dibromofluoromethane	105	80-126	
1,2-Dichloroethane-d4	105	80-134	
Toluene-d8	99	80-120	



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

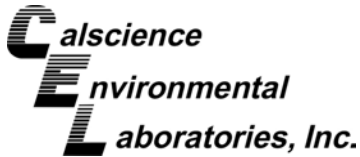
Page 13 of 57

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GW-2	13-10-0510-5-A	10/07/13 10:57	Aqueous	GC/MS XX	10/08/13	10/09/13 03:51	131008L02

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	4.3	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

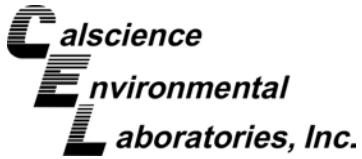
Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	0.55	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

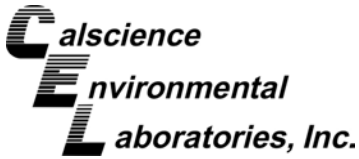
Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/07/13  
 Work Order: 13-10-0510  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	94	80-120	
Dibromofluoromethane	107	80-126	
1,2-Dichloroethane-d4	106	80-134	
Toluene-d8	100	80-120	



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

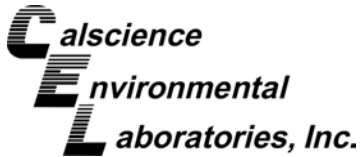
Page 16 of 57

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-41	13-10-0510-6-B	10/07/13 11:33	Aqueous	GC/MS XX	10/09/13	10/10/13 06:14	131009L02

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

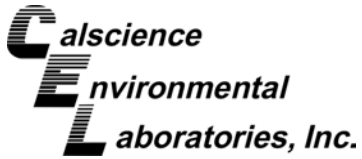
Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	0.50	0.50	0.31	1	J
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

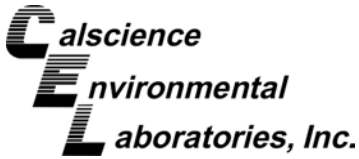
Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/07/13  
 Work Order: 13-10-0510  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	90	80-120	
Dibromofluoromethane	106	80-126	
1,2-Dichloroethane-d4	109	80-134	
Toluene-d8	100	80-120	



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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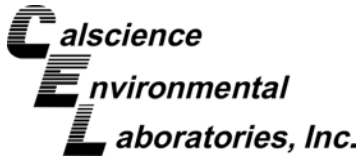
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-63	13-10-0510-7-A	10/07/13 13:22	Aqueous	GC/MS XX	10/08/13	10/09/13 04:48	131008L02

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.





## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

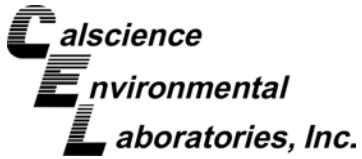
Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/07/13  
 Work Order: 13-10-0510  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

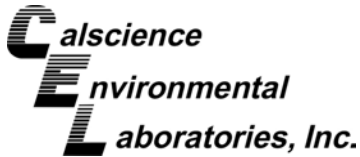
Project: DFSP Norwalk

Page 21 of 57

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	108	80-126	
1,2-Dichloroethane-d4	108	80-134	
Toluene-d8	101	80-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

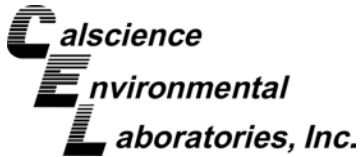
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-64	13-10-0510-8-A	10/07/13 13:54	Aqueous	GC/MS XX	10/08/13	10/09/13 05:17	131008L02

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

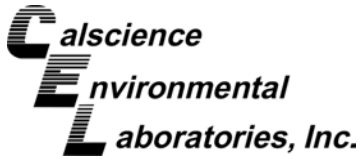
Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

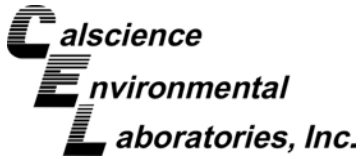
Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/07/13  
 Work Order: 13-10-0510  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	108	80-126	
1,2-Dichloroethane-d4	107	80-134	
Toluene-d8	101	80-120	



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

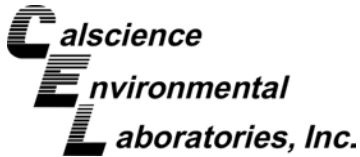
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-19	13-10-0510-9-B	10/07/13 08:19	Aqueous	GC/MS XX	10/09/13	10/10/13 06:42	131009L02

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	0.81	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

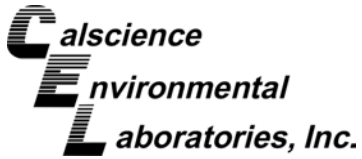
Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	2.3	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

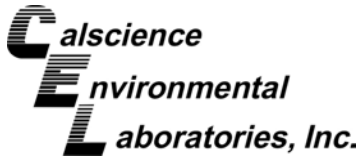
Date Received: 10/07/13  
 Work Order: 13-10-0510  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	90	80-120	
Dibromofluoromethane	107	80-126	
1,2-Dichloroethane-d4	108	80-134	
Toluene-d8	100	80-120	





## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

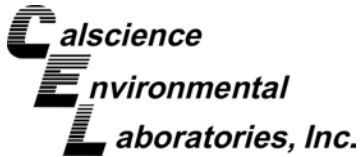
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-43	13-10-0510-10-B	10/07/13 09:04	Aqueous	GC/MS XX	10/09/13	10/10/13 07:11	131009L02

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

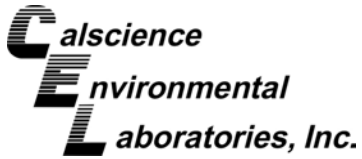
Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

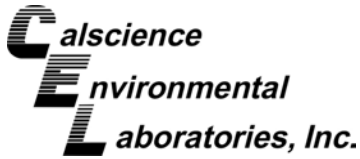
Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/07/13  
 Work Order: 13-10-0510  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	90	80-120	
Dibromofluoromethane	106	80-126	
1,2-Dichloroethane-d4	109	80-134	
Toluene-d8	100	80-120	



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

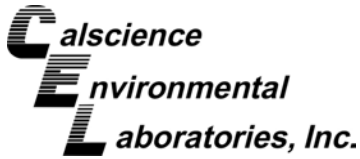
Page 31 of 57

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-31	13-10-0510-11-B	10/07/13 09:59	Aqueous	GC/MS XX	10/09/13	10/10/13 07:39	131009L02

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

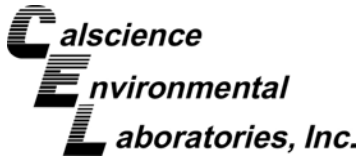
Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

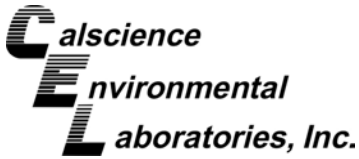
Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/07/13  
 Work Order: 13-10-0510  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	89	80-120	
Dibromofluoromethane	106	80-126	
1,2-Dichloroethane-d4	107	80-134	
Toluene-d8	100	80-120	



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

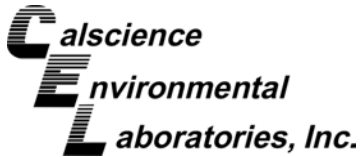
Page 34 of 57

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-22 (MID)	13-10-0510-12-A	10/07/13 10:45	Aqueous	GC/MS XX	10/08/13	10/09/13 07:11	131008L02

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	3.7	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

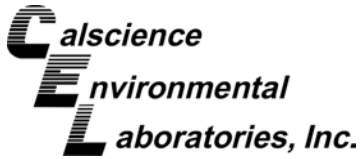
Project: DFSP Norwalk

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	4.6	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.





## Analytical Report

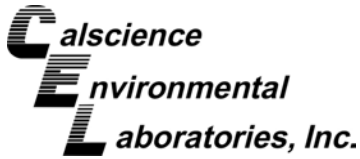
Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/07/13  
 Work Order: 13-10-0510  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	93	80-120	
Dibromofluoromethane	108	80-126	
1,2-Dichloroethane-d4	107	80-134	
Toluene-d8	100	80-120	



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

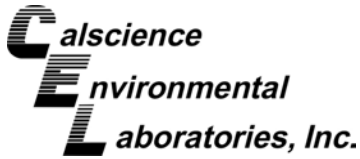
Page 37 of 57

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>GMW-44</b>	<b>13-10-0510-13-B</b>	<b>10/07/13 11:43</b>	<b>Aqueous</b>	<b>GC/MS XX</b>	<b>10/09/13</b>	<b>10/10/13 08:07</b>	<b>131009L02</b>

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

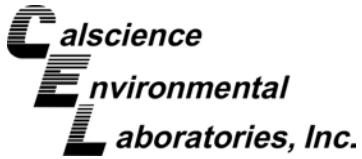
Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

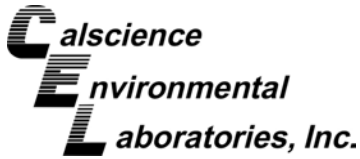
Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/07/13  
 Work Order: 13-10-0510  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	88	80-120	
Dibromofluoromethane	111	80-126	
1,2-Dichloroethane-d4	116	80-134	
Toluene-d8	99	80-120	



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

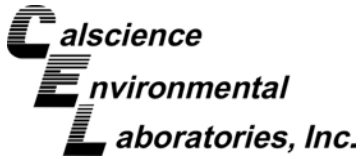
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-65	13-10-0510-14-A	10/07/13 13:27	Aqueous	GC/MS XX	10/08/13	10/09/13 08:08	131008L02

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

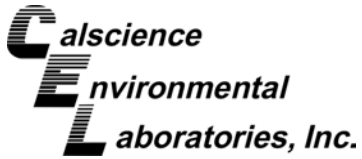
Project: DFSP Norwalk

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Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

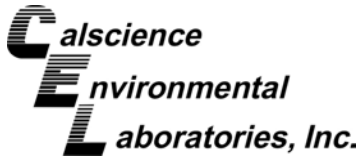
Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/07/13  
 Work Order: 13-10-0510  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	92	80-120	
Dibromofluoromethane	111	80-126	
1,2-Dichloroethane-d4	112	80-134	
Toluene-d8	99	80-120	



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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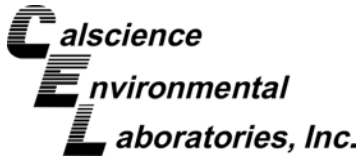
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-66	13-10-0510-15-B	10/07/13 14:34	Aqueous	GC/MS XX	10/09/13	10/10/13 08:36	131009L02

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.





## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

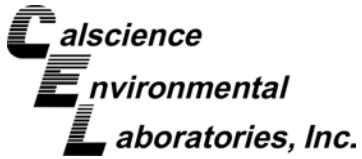
Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

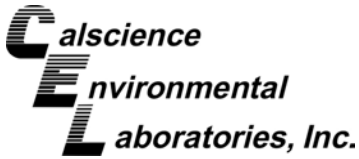
Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/07/13  
 Work Order: 13-10-0510  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	90	80-120	
Dibromofluoromethane	109	80-126	
1,2-Dichloroethane-d4	111	80-134	
Toluene-d8	100	80-120	



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

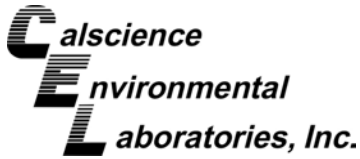
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EB-10/07/13	13-10-0510-16-B	10/07/13 14:10	Aqueous	GC/MS XX	10/09/13	10/10/13 04:49	131009L02

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

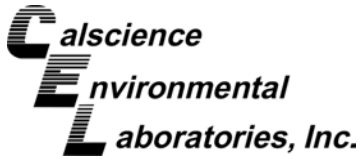
Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

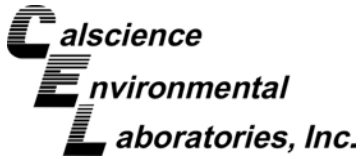
Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/07/13  
 Work Order: 13-10-0510  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	91	80-120	
Dibromofluoromethane	105	80-126	
1,2-Dichloroethane-d4	106	80-134	
Toluene-d8	100	80-120	



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

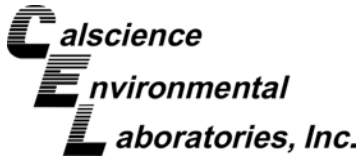
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
TB-10/07/13	13-10-0510-17-B	10/07/13 07:00	Aqueous	GC/MS XX	10/09/13	10/10/13 05:17	131009L02

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

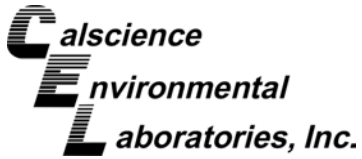
Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

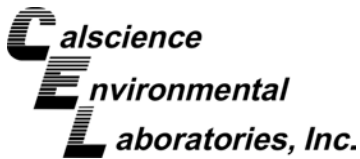
Date Received: 10/07/13  
 Work Order: 13-10-0510  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	90	80-120	
Dibromofluoromethane	105	80-126	
1,2-Dichloroethane-d4	106	80-134	
Toluene-d8	100	80-120	





## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

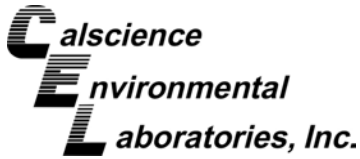
Page 52 of 57

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-001-12079	N/A	Aqueous	GC/MS XX	10/08/13	10/09/13 00:03	131008L02

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

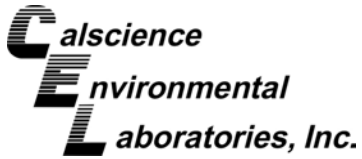
Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

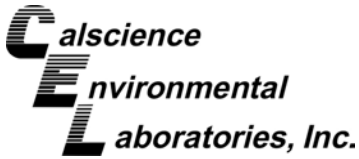
Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/07/13  
 Work Order: 13-10-0510  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	103	80-126	
1,2-Dichloroethane-d4	102	80-134	
Toluene-d8	101	80-120	



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

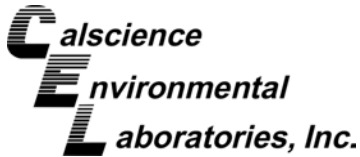
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-001-12087	N/A	Aqueous	GC/MS XX	10/09/13	10/09/13 23:35	131009L02

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

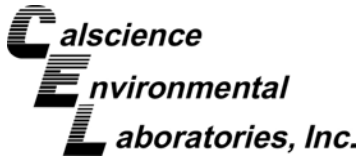
Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

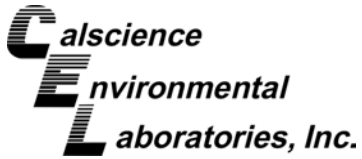
Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/07/13  
 Work Order: 13-10-0510  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	90	80-120	
Dibromofluoromethane	105	80-126	
1,2-Dichloroethane-d4	106	80-134	
Toluene-d8	99	80-120	



## Quality Control - Spike/Spike Duplicate

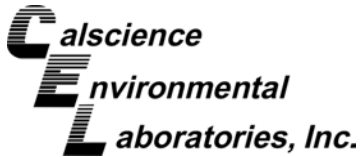
Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

Project: DFSP Norwalk

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Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number					
<b>13-10-0491-4</b>	<b>Aqueous</b>	<b>GC 25</b>	<b>10/08/13</b>	<b>10/08/13 13:06</b>	<b>131008S01</b>					
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	ND	2000	2020	101	1983	99	68-122	2	0-18	



## Quality Control - Spike/Spike Duplicate

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 5030C  
Method: EPA 8260B

Project: DFSP Norwalk

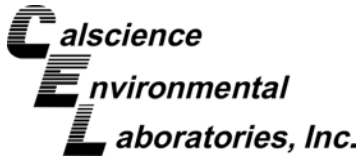
Page 2 of 3

Quality Control Sample ID	Matrix		Instrument		Date Prepared	Date Analyzed	MS/MSD Batch Number			
EXP-3	Aqueous		GC/MS XX		10/08/13	10/09/13 01:00	131008S02			
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	48.95	98	48.64	97	78-120	1	0-20	
Carbon Tetrachloride	ND	50.00	48.85	98	48.12	96	67-139	2	0-20	
Chlorobenzene	ND	50.00	46.39	93	46.26	93	80-120	0	0-20	
1,2-Dibromoethane	ND	50.00	48.79	98	50.71	101	80-123	4	0-20	
1,2-Dichlorobenzene	ND	50.00	46.13	92	46.86	94	76-120	2	0-20	
1,2-Dichloroethane	ND	50.00	52.67	105	53.04	106	76-130	1	0-20	
1,1-Dichloroethene	ND	50.00	46.28	93	45.94	92	70-130	1	0-27	
Ethylbenzene	ND	50.00	48.92	98	48.40	97	73-127	1	0-20	
Toluene	ND	50.00	50.77	102	50.06	100	72-126	1	0-20	
Trichloroethene	ND	50.00	49.42	99	48.51	97	74-122	2	0-20	
Vinyl Chloride	ND	50.00	48.36	97	47.66	95	65-131	1	0-24	
p/m-Xylene	ND	100.0	95.92	96	94.45	94	70-130	2	0-30	
o-Xylene	ND	50.00	47.69	95	47.23	94	70-130	1	0-30	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	48.96	98	52.46	105	69-123	7	0-20	
Tert-Butyl Alcohol (TBA)	ND	250.0	233.9	94	256.6	103	65-131	9	0-22	
Diisopropyl Ether (DIPE)	ND	50.00	50.40	101	51.59	103	68-128	2	0-22	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	49.46	99	52.37	105	69-123	6	0-21	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	50.54	101	53.25	106	70-124	5	0-20	
Ethanol	ND	500.0	490.6	98	528.1	106	41-155	7	0-35	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits





## Quality Control - Spike/Spike Duplicate

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 5030C  
Method: EPA 8260B

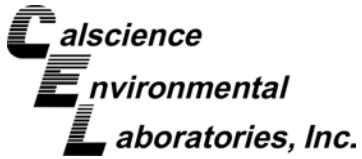
Project: DFSP Norwalk

Page 3 of 3

Quality Control Sample ID	Matrix		Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
<b>13-10-0389-1</b>	<b>Aqueous</b>		<b>GC/MS XX</b>	<b>10/09/13</b>	<b>10/10/13 02:55</b>	<b>131009S02</b>				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	61.18	122	47.78	96	78-120	25	0-20	3,4
Carbon Tetrachloride	ND	50.00	62.88	126	46.95	94	67-139	29	0-20	4
Chlorobenzene	ND	50.00	57.33	115	46.40	93	80-120	21	0-20	4
1,2-Dibromoethane	ND	50.00	60.16	120	50.05	100	80-123	18	0-20	
1,2-Dichlorobenzene	ND	50.00	56.91	114	48.33	97	76-120	16	0-20	
1,2-Dichloroethane	10.28	50.00	74.40	128	60.10	100	76-130	21	0-20	4
1,1-Dichloroethene	ND	50.00	59.48	119	44.37	89	70-130	29	0-27	4
Ethylbenzene	ND	50.00	62.36	125	48.45	97	73-127	25	0-20	4
Toluene	ND	50.00	63.54	127	48.84	98	72-126	26	0-20	3,4
Trichloroethene	ND	50.00	62.48	125	47.53	95	74-122	27	0-20	3,4
Vinyl Chloride	ND	50.00	61.88	124	45.95	92	65-131	30	0-24	4
p/m-Xylene	ND	100.0	121.4	121	94.70	95	70-130	25	0-30	
o-Xylene	ND	50.00	59.67	119	47.67	95	70-130	22	0-30	
Methyl-t-Butyl Ether (MTBE)	137.5	50.00	196.8	119	168.2	61	69-123	16	0-20	3
Tert-Butyl Alcohol (TBA)	55.99	250.0	309.7	101	315.7	104	65-131	2	0-22	
Diisopropyl Ether (DIPE)	7.497	50.00	68.67	122	57.35	100	68-128	18	0-22	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	57.04	114	50.00	100	69-123	13	0-21	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	59.34	119	50.79	102	70-124	16	0-20	
Ethanol	ND	500.0	507.5	101	519.7	104	41-155	2	0-35	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



## Quality Control - LCS/LCSD

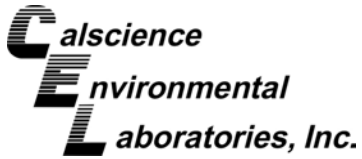
Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 3510C  
Method: EPA 8015B (M)

Project: DFSP Norwalk

Page 1 of 4

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number				
<b>099-15-282-137</b>	<b>Aqueous</b>	<b>GC 47</b>	<b>10/08/13</b>	<b>10/08/13 22:07</b>	<b>131008B04</b>				
<u>Parameter</u>	<u>Spike Added</u>	<u>LCS Conc.</u>	<u>LCS %Rec.</u>	<u>LCSD Conc.</u>	<u>LCSD %Rec.</u>	<u>%Rec. CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Diesel	4000	3749	94	4069	102	75-117	8	0-13	



## Quality Control - LCS

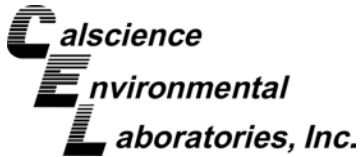
Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

Project: DFSP Norwalk

Page 2 of 4

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number	
<b>099-15-704-546</b>	<b>Aqueous</b>	<b>GC 25</b>	<b>10/08/13 11:59</b>	<b>131008B01</b>	
<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
TPH as Gasoline	2000	1886	94	78-120	



## Quality Control - LCS

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 5030C  
Method: EPA 8260B

Project: DFSP Norwalk

Page 3 of 4

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number		
<b>099-14-001-12079</b>	<b>Aqueous</b>	<b>GC/MS XX</b>	<b>10/08/13 23:06</b>	<b>131008L02</b>		
Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	48.05	96	80-120	73-127	
Carbon Tetrachloride	50.00	48.15	96	66-138	54-150	
Chlorobenzene	50.00	45.34	91	80-120	73-127	
1,2-Dibromoethane	50.00	47.51	95	80-120	73-127	
1,2-Dichlorobenzene	50.00	45.29	91	80-120	73-127	
1,2-Dichloroethane	50.00	49.77	100	80-129	72-137	
1,1-Dichloroethene	50.00	46.36	93	71-131	61-141	
Ethylbenzene	50.00	48.37	97	80-123	73-130	
Toluene	50.00	49.77	100	79-121	72-128	
Trichloroethene	50.00	48.73	97	80-120	73-127	
Vinyl Chloride	50.00	48.40	97	70-136	59-147	
p/m-Xylene	100.0	94.96	95	75-125	67-133	
o-Xylene	50.00	47.01	94	75-125	67-133	
Methyl-t-Butyl Ether (MTBE)	50.00	48.11	96	72-126	63-135	
Tert-Butyl Alcohol (TBA)	250.0	255.0	102	71-125	62-134	
Diisopropyl Ether (DIPE)	50.00	49.04	98	69-129	59-139	
Ethyl-t-Butyl Ether (ETBE)	50.00	48.70	97	69-129	59-139	
Tert-Amyl-Methyl Ether (TAME)	50.00	49.88	100	67-133	56-144	
Ethanol	500.0	523.5	105	47-155	29-173	

Total number of LCS compounds: 19

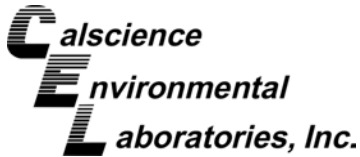
Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



## Quality Control - LCS

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/13  
Work Order: 13-10-0510  
Preparation: EPA 5030C  
Method: EPA 8260B

Project: DFSP Norwalk

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Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number		
<b>099-14-001-12087</b>	<b>Aqueous</b>	<b>GC/MS XX</b>	<b>10/09/13 22:38</b>	<b>131009L02</b>		
Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	44.13	88	80-120	73-127	
Carbon Tetrachloride	50.00	43.00	86	66-138	54-150	
Chlorobenzene	50.00	43.28	87	80-120	73-127	
1,2-Dibromoethane	50.00	46.50	93	80-120	73-127	
1,2-Dichlorobenzene	50.00	45.94	92	80-120	73-127	
1,2-Dichloroethane	50.00	48.10	96	80-129	72-137	
1,1-Dichloroethene	50.00	40.94	82	71-131	61-141	
Ethylbenzene	50.00	45.32	91	80-123	73-130	
Toluene	50.00	45.45	91	79-121	72-128	
Trichloroethene	50.00	44.20	88	80-120	73-127	
Vinyl Chloride	50.00	42.33	85	70-136	59-147	
p/m-Xylene	100.0	88.82	89	75-125	67-133	
o-Xylene	50.00	44.37	89	75-125	67-133	
Methyl-t-Butyl Ether (MTBE)	50.00	44.89	90	72-126	63-135	
Tert-Butyl Alcohol (TBA)	250.0	269.9	108	71-125	62-134	
Diisopropyl Ether (DIPE)	50.00	45.90	92	69-129	59-139	
Ethyl-t-Butyl Ether (ETBE)	50.00	45.95	92	69-129	59-139	
Tert-Amyl-Methyl Ether (TAME)	50.00	47.55	95	67-133	56-144	
Ethanol	500.0	543.4	109	47-155	29-173	

Total number of LCS compounds: 19

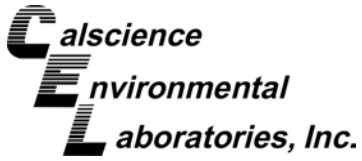
Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



## Sample Analysis Summary Report

Work Order: 13-10-0510

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<u>Method</u>	<u>Extraction</u>	<u>Chemist ID</u>	<u>Instrument</u>	<u>Analytical Location</u>
EPA 8015B (M)	EPA 3510C	682	GC 47	1
EPA 8015B (M)	EPA 5030C	797	GC 25	2
EPA 8260B	EPA 5030C	316	GC/MS XX	2

  
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Location 1: 7440 Lincoln Way, Garden Grove, CA 92841

Location 2: 7445 Lampson Avenue, Garden Grove, CA 92841

## Glossary of Terms and Qualifiers

Work Order: 13-10-0510

Page 1 of 1

<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of  $\leq 15$  minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

# BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE  
 SAN JOSE, CALIFORNIA 95112-1105  
 FAX (408) 573-7771  
 PHONE (408) 573-0555

CHAIN OF CUSTODY			CONDUCT ANALYSIS TO DETECT			LAB: Calscience PM: Ranjit Clark		DHS #			
CLIENT: Parsons			MUST MEET SPECIFICATIONS			<input type="checkbox"/> EPA <input type="checkbox"/> LIA <input type="checkbox"/> OTHER		<input type="checkbox"/> RWQCB REGION			
SITE: DFSP Norwalk			SPECIAL INSTRUCTIONS			Invoice and Report to: Parsons - Mary Lucas (mary.lucas@parsons.com) 100 W Walnut St., Pasadena, CA 91124 (626) 440-6032 Project # 746442		<b>13-10-0510</b>			
SAMPLE I.D.	DATE	TIME	MATRIX W = H2O	CONTAINERS TOTAL	VOC's (including BTEX, MTBE, TBA, EPA 8260)	TPHd (8015)	TPHg (8015)	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
<del>TS-01</del>	<del>10/07/13</del>	<del>0800</del>	<del>W</del>	<del>3</del>	<del>Hee</del>	<del>X</del>	<del>(W)</del>				
EXP-5	10/7/13	0808	W	7	Hee/none	X	X	X			1
EXP-1		0848				X	X	X			2
EXP-2		0928				X	X	X			3
GW-3		1008				X	X	X			4
GW-2		1057				X	X	X			5
GMW-41		1133				X	X	X			6
GMW-63		1322				X	X	X			7
GMW-64	10/7/13	1354	W	7	Hee/none	X	X	X			8
<del>GMW-64</del>	<del>10/7/13</del>	<del>1354</del>	<del>W</del>	<del>7</del>	<del>Hee/none</del>	<del>X</del>	<del>X</del>	<del>X</del>			
SAMPLING COMPLETED			DATE	TIME	SAMPLING PERFORMED BY			RESULTS NEEDED NO LATER THAN			
			10/7/13	1545	Matt Housler			Standard			
RELEASED BY			DATE	TIME	RECEIVED BY			DATE	TIME		
			10/7/13	1545	S. Suspectina			10/7/13	1545		
RELEASED BY			DATE	TIME	RECEIVED BY			DATE	TIME		
Nicole			10/7/13	17:20	[Signature]			10/07/13	17:20		
RELEASED BY			DATE	TIME	RECEIVED BY			DATE	TIME		
[Signature]			10/07/13	18:20	[Signature]			10/07/13	1828		
SHIPPED VIA			DATE SENT	TIME SENT	COOLER #						



# BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE  
 SAN JOSE, CALIFORNIA 95112-1105  
 FAX (408) 573-7771  
 PHONE (408) 573-0555

## CONDUCT ANALYSIS TO DETECT

LAB: Calscience PM: Ranjit Clark

DHS #

MUST MEET SPECIFICATIONS

- EPA
- LIA
- OTHER

**0510**  
 RWQCB REGION

### SPECIAL INSTRUCTIONS

Invoice and Report to:

Parsons - Mary Lucas (mary.lucas@parsons.com)

100 W Walnut St., Pasadena, CA 91124 (626) 440-6032

Project # 746442

CHAIN OF CUSTODY

CLIENT: **Parsons**

SITE: **DFSP Norwalk**

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS		VOC's (including BTEX, MTBE, TBA, EPA 8260)	TPHd (8015)	TPHg (8015)					ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
			W = H2O	TOTAL												
<del>FB-02</del>	<del>10/7/2013</del>	<del>0755</del>	w	3	Vials	X										52
6MW-19	10/7/2013	0819	w	7	Vials Amber	X	X	X								9
6MW-43		0904		7		X	X	X								10
6MW-31		0959		7		X	X	X								11
MW-22(mid)		1045		7		X	X	X								12
6MW-44		1143		7		X	X	X								13
6MW-05		1327		7		X	X	X								14
6MW-66		1434		7		X	X	X								15
EB-10/07/13	10/7/13	1410	↓	3	Vials	X										16
FB-10/07/13	10/7/13	0700	↓	3	↓	X										17

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN	
	10-7-13	1545	Samuel Ramirez, Matt Hausen	Standard	
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
	10-7-13	1545	Nicole	10/7/13	1545
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Nicole	10/7/13	17:20		10/07/13	17:20
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
	10/07/13	18:20		10/07/13	18:20
SHIPPED VIA	DATE SENT	TIME SENT	COOLER #		

WORK ORDER #: **13-10-0510**

**SAMPLE RECEIPT FORM**

Cooler 1 of 2

CLIENT: PARSONS

DATE: 10/07/13

**TEMPERATURE:** Thermometer ID: SC2 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 3.1 °C - 0.2 °C (CF) = 2.9 °C  Blank  Sample

Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_).

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature:  Air  Filter

Checked by: 804

**CUSTODY SEALS INTACT:**

Cooler  \_\_\_\_\_  No (Not Intact)  Not Present  N/A Checked by: 804

Sample  \_\_\_\_\_  No (Not Intact)  Not Present Checked by: 895

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Collection date/time, matrix, and/or # of containers logged in based on sample labels. <input type="checkbox"/> No analysis requested. <input type="checkbox"/> Not relinquished. <input type="checkbox"/> No date/time relinquished.			
Sampler's name indicated on COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers and sufficient volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aqueous samples received within 15-minute holding time			
<input type="checkbox"/> pH <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> Dissolved Sulfides <input type="checkbox"/> Dissolved Oxygen.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**CONTAINER TYPE:**

**Solid:**  4ozCGJ  8ozCGJ  16ozCGJ  Sleeve (\_\_\_\_)  EnCores®  TerraCores®  \_\_\_\_\_

**Aqueous:**  VOA  VOAh  VOAna<sub>2</sub>  125AGB  125AGBh  125AGBp  1AGB  1AGBna<sub>2</sub>  1AGBs

500AGB  500AGJ  500AGJs  250AGB  250CGB  250CGBs  1PB  1PBna  500PB

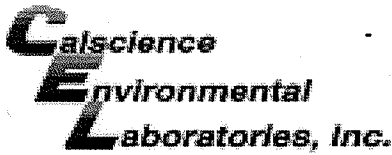
250PB  250PBn  125PB  125PBz<sub>na</sub>  100PJ  100PJna<sub>2</sub>  \_\_\_\_\_  \_\_\_\_\_  \_\_\_\_\_

**Air:**  Tedlar®  Canister **Other:**  \_\_\_\_\_ **Trip Blank Lot#:** 131003A **Labeled/Checked by:** 895

**Container:** C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** 681

**Preservative:** h: HCL n: HNO<sub>3</sub> na<sub>2</sub>: Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> na: NaOH p: H<sub>3</sub>PO<sub>4</sub> s: H<sub>2</sub>SO<sub>4</sub> u: Ultra-pure z<sub>na</sub>: ZnAc<sub>2</sub>+NaOH f: Filtered **Scanned by:** 681

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WORK ORDER #: 13-10-0510

SAMPLE RECEIPT FORM

Cooler 2 of 2

CLIENT: PARSONS

DATE: 10/07/13

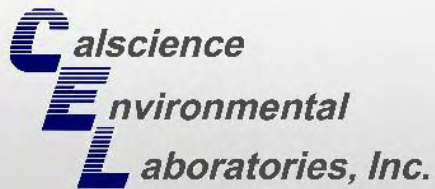
TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0 °C - 6.0 °C, not frozen except sediment/tissue)
Temperature 2.8 °C - 0.2 °C (CF) = 2.6 °C [X] Blank [ ] Sample
[ ] Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_).
[ ] Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.
[ ] Received at ambient temperature, placed on ice for transport by Courier.
Ambient Temperature: [ ] Air [ ] Filter Checked by: 804

CUSTODY SEALS INTACT:
[ ] Cooler [ ] \_\_\_\_\_ [ ] No (Not Intact) [X] Not Present [ ] N/A Checked by: 804
[ ] Sample [ ] \_\_\_\_\_ [ ] No (Not Intact) [X] Not Present Checked by: 895

SAMPLE CONDITION: Table with columns Yes, No, N/A and rows for Chain-Of-Custody (COC) document(s) received with samples, COC document(s) received complete, Sampler's name indicated on COC, Sample container label(s) consistent with COC, Sample container(s) intact and good condition, Proper containers and sufficient volume for analyses requested, Analyses received within holding time, Aqueous samples received within 15-minute holding time, Proper preservation noted on COC or sample container, Volatile analysis container(s) free of headspace, Tedlar bag(s) free of condensation.

CONTAINER TYPE:
Solid: [ ] 4ozCGJ [ ] 8ozCGJ [ ] 16ozCGJ [ ] Sleeve (\_\_\_\_) [ ] EnCores® [ ] TerraCores® [ ] \_\_\_\_\_
Aqueous: [ ] VOA [X] VOAh [ ] VOAna2 [ ] 125AGB [ ] 125AGBh [ ] 125AGBp [ ] 1AGB [ ] 1AGBna2 [ ] 1AGBs
[ ] 500AGB [X] 500AGJ [ ] 500AGJs [ ] 250AGB [ ] 250CGB [ ] 250CGBs [ ] 1PB [ ] 1PBna [ ] 500PB
[ ] 250PB [ ] 250PBn [ ] 125PB [ ] 125PBzanna [ ] 100PJ [ ] 100PJna2 [ ] \_\_\_\_\_ [ ] \_\_\_\_\_ [ ] \_\_\_\_\_
Air: [ ] Tedlar® [ ] Canister Other: [ ] \_\_\_\_\_ Trip Blank Lot#: \_\_\_\_\_ Labeled/Checked by: 895
Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: 681
Preservative: h: HCL n: HNO3 na2:Na2S2O3 na: NaOH p: H3PO4 s: H2SO4 u: Ultra-pure zna: ZnAc2+NaOH f: Filtered Scanned by: 681

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# CALSCIENCE

## WORK ORDER NUMBER: 13-10-0658

*The difference is service*



AIR | SOIL | WATER | MARINE CHEMISTRY

### Analytical Report For

**Client:** Parsons Government Services, Inc.

**Client Project Name:** DFSP - Norwalk

**Attention:** Mary Lucas  
100 West Walnut Street  
Pasadena, CA 91124-0002

*Ranjit K. Clarke*

Approved for release on 10/16/2013 by:  
Ranjit Clarke  
Project Manager

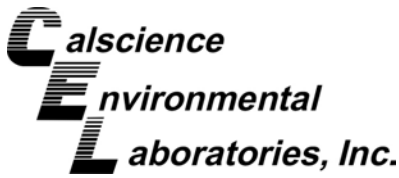
ResultLink ▶

Email your PM ▶



Calscience Environmental Laboratories, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

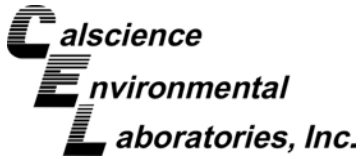




# Contents

Client Project Name: DFSP - Norwalk  
Work Order Number: 13-10-0658

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## Work Order Narrative

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Work Order: 13-10-0658

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### **Condition Upon Receipt:**

Samples were received under Chain of Custody (COC) on 10/09/13. They were assigned to Work Order 13-10-0658.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

### **Holding Times:**

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of  $\leq 15$  minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

### **Quality Control:**

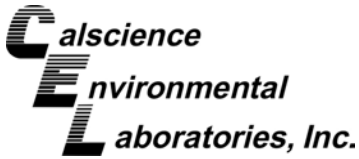
All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

### **Additional Comments:**

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

### **Subcontractor Information:**

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.



## Analytical Report

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/09/13  
 Work Order: 13-10-0658  
 Preparation: EPA 3510C  
 Method: EPA 8015B (M)  
 Units: ug/L

Project: DFSP - Norwalk

Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>GMW-40</b>	<b>13-10-0658-2-G</b>	<b>10/08/13 07:44</b>	<b>Aqueous</b>	<b>GC 47</b>	<b>10/10/13</b>	<b>10/11/13 01:03</b>	<b>131010B09A</b>

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	460	100	1	HD
Surrogate	Rec. (%)	Control Limits	Qualifiers	
n-Octacosane	82	68-140		

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	130	100	1	HD
Surrogate	Rec. (%)	Control Limits	Qualifiers	
n-Octacosane	87	68-140		

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	700	100	1	HD
Surrogate	Rec. (%)	Control Limits	Qualifiers	
n-Octacosane	94	68-140		

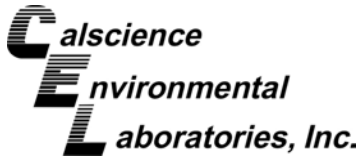
Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	1200	100	1	HD
Surrogate	Rec. (%)	Control Limits	Qualifiers	
n-Octacosane	87	68-140		

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	4600	100	1	HD
Surrogate	Rec. (%)	Control Limits	Qualifiers	
n-Octacosane	87	68-140		

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0658  
Preparation: EPA 3510C  
Method: EPA 8015B (M)  
Units: ug/L

Project: DFSP - Norwalk

Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>GMW-47</b>	<b>13-10-0658-7-G</b>	<b>10/08/13 11:13</b>	<b>Aqueous</b>	<b>GC 47</b>	<b>10/10/13</b>	<b>10/11/13 02:33</b>	<b>131010B09A</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
TPH as Diesel	990	100	1	HD

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
n-Octacosane	91	68-140	

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
TPH as Diesel	730	100	1	HD

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
n-Octacosane	83	68-140	

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
TPH as Diesel	2900	100	1	HD

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
n-Octacosane	85	68-140	

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
TPH as Diesel	2200	100	1	HD

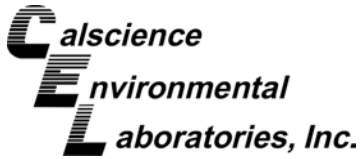
<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
n-Octacosane	89	68-140	

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
TPH as Diesel	2300	100	1	HD

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
n-Octacosane	95	68-140	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.





## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0658  
Preparation: EPA 3510C  
Method: EPA 8015B (M)  
Units: ug/L

Project: DFSP - Norwalk

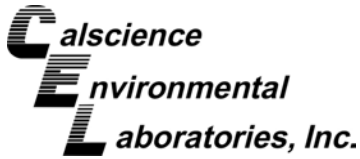
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>Method Blank</b>	<b>099-15-282-139</b>	<b>N/A</b>	<b>Aqueous</b>	<b>GC 47</b>	<b>10/10/13</b>	<b>10/10/13 20:16</b>	<b>131010B09A</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
TPH as Diesel	ND	100	1	
<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>	
n-Octacosane	94	68-140		

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0658  
Preparation: EPA 5030C  
Method: EPA 8015B (M)  
Units: ug/L

Project: DFSP - Norwalk

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>GMW-40</b>	<b>13-10-0658-2-E</b>	<b>10/08/13 07:44</b>	<b>Aqueous</b>	<b>GC 25</b>	<b>10/10/13</b>	<b>10/10/13 12:31</b>	<b>131010B01</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
TPH as Gasoline	120	100	1	HD

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	81	38-134	

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
TPH as Gasoline	ND	100	1	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	78	38-134	

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
TPH as Gasoline	ND	100	1	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	77	38-134	

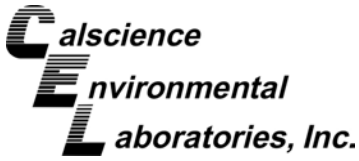
<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
TPH as Gasoline	ND	100	1	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	84	38-134	

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
TPH as Gasoline	350	100	1	HD

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	76	38-134	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/09/13  
 Work Order: 13-10-0658  
 Preparation: EPA 5030C  
 Method: EPA 8015B (M)  
 Units: ug/L

Project: DFSP - Norwalk

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>GMW-47</b>	<b>13-10-0658-7-E</b>	<b>10/08/13 11:13</b>	<b>Aqueous</b>	<b>GC 25</b>	<b>10/10/13</b>	<b>10/10/13 16:50</b>	<b>131010B01</b>

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	100	1	
Surrogate	Rec. (%)	Control Limits	Qualifiers	
1,4-Bromofluorobenzene	77	38-134		

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	610	100	1	
Surrogate	Rec. (%)	Control Limits	Qualifiers	
1,4-Bromofluorobenzene	149	38-134	2,7	

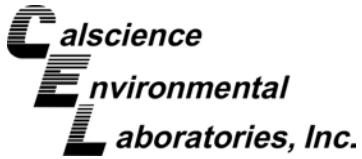
Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	570	100	1	
Surrogate	Rec. (%)	Control Limits	Qualifiers	
1,4-Bromofluorobenzene	165	38-134	2,7	

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	810	100	1	HD
Surrogate	Rec. (%)	Control Limits	Qualifiers	
1,4-Bromofluorobenzene	121	38-134		

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	860	100	1	HD
Surrogate	Rec. (%)	Control Limits	Qualifiers	
1,4-Bromofluorobenzene	139	38-134	2,7	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0658  
Preparation: EPA 5030C  
Method: EPA 8015B (M)  
Units: ug/L

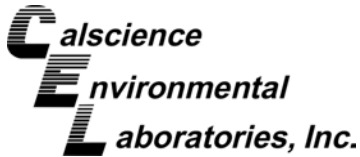
Project: DFSP - Norwalk

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>Method Blank</b>	<b>099-15-704-550</b>	<b>N/A</b>	<b>Aqueous</b>	<b>GC 25</b>	<b>10/10/13</b>	<b>10/10/13 11:24</b>	<b>131010B01</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
TPH as Gasoline		ND		100		1	
<u>Surrogate</u>		<u>Rec. (%)</u>		<u>Control Limits</u>		<u>Qualifiers</u>	
1,4-Bromofluorobenzene		78		38-134			

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0658  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP - Norwalk

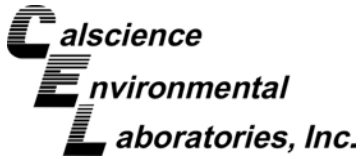
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
TB-10/08/2013	13-10-0658-1-A	10/08/13 07:00	Aqueous	GC/MS CC	10/11/13	10/12/13 03:57	131011L02

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0658  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

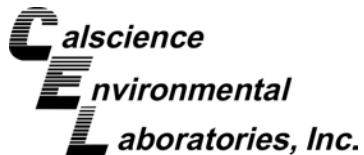
Project: DFSP - Norwalk

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/09/13  
 Work Order: 13-10-0658  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

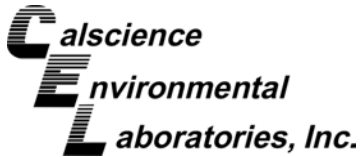
Project: DFSP - Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	99	80-126	
1,2-Dichloroethane-d4	99	80-134	
Toluene-d8	99	80-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0658  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP - Norwalk

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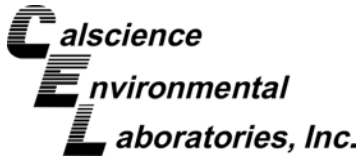
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-40	13-10-0658-2-A	10/08/13 07:44	Aqueous	GC/MS CC	10/11/13	10/12/13 07:47	131011L02

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.





## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

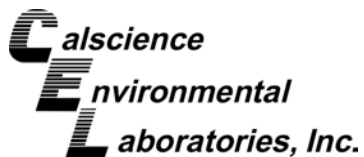
Date Received: 10/09/13  
Work Order: 13-10-0658  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP - Norwalk

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Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/09/13  
 Work Order: 13-10-0658  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

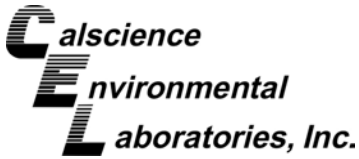
Project: DFSP - Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	99	80-126	
1,2-Dichloroethane-d4	99	80-134	
Toluene-d8	100	80-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0658  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP - Norwalk

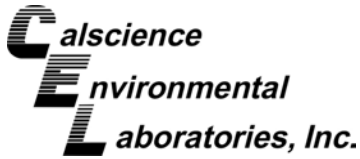
Page 7 of 39

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-27	13-10-0658-3-A	10/08/13 08:29	Aqueous	GC/MS CC	10/11/13	10/12/13 08:16	131011L02

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

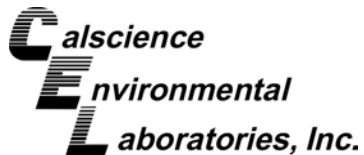
Date Received: 10/09/13  
Work Order: 13-10-0658  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP - Norwalk

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Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	1.3	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	5.7	10	4.6	1	J
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0658  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

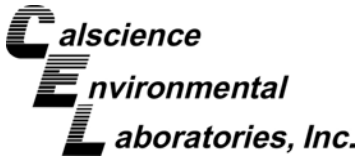
Project: DFSP - Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	99	80-126	
1,2-Dichloroethane-d4	99	80-134	
Toluene-d8	100	80-120	

Return to Contents 

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0658  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP - Norwalk

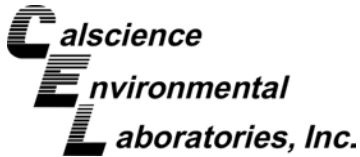
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-12	13-10-0658-4-A	10/08/13 09:09	Aqueous	GC/MS CC	10/11/13	10/12/13 08:44	131011L02

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0658  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

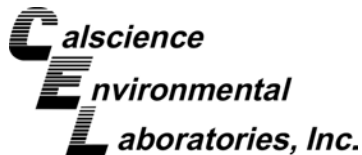
Project: DFSP - Norwalk

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	


  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/09/13  
 Work Order: 13-10-0658  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

Project: DFSP - Norwalk

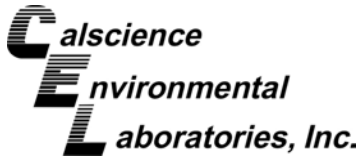
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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	100	80-126	
1,2-Dichloroethane-d4	100	80-134	
Toluene-d8	99	80-120	

Return to Contents 

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.





## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0658  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP - Norwalk

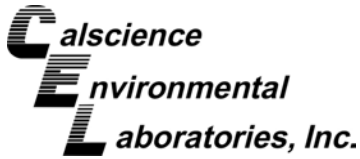
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-32	13-10-0658-5-A	10/08/13 09:41	Aqueous	GC/MS CC	10/11/13	10/12/13 09:12	131011L02

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0658  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

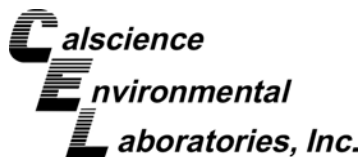
Project: DFSP - Norwalk

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Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	0.75	1.0	0.58	1	J
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	0.26	1.0	0.17	1	J
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	7.3	10	4.6	1	J
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	


  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/09/13  
 Work Order: 13-10-0658  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

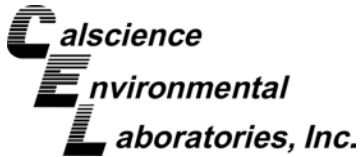
Project: DFSP - Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	102	80-126	
1,2-Dichloroethane-d4	102	80-134	
Toluene-d8	100	80-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0658  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP - Norwalk

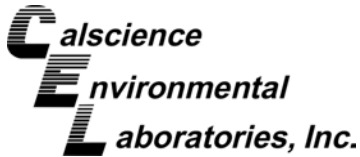
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-15	13-10-0658-6-A	10/08/13 10:21	Aqueous	GC/MS CC	10/11/13	10/12/13 09:41	131011L02

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	12	20	10	1	J
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	4.9	10	2.2	1	J
n-Butylbenzene	0.79	1.0	0.23	1	J
sec-Butylbenzene	2.8	1.0	0.25	1	
tert-Butylbenzene	0.63	1.0	0.28	1	J
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0658  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

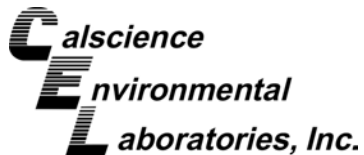
Project: DFSP - Norwalk

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Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	0.19	0.50	0.14	1	J
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	0.77	1.0	0.58	1	J
p-Isopropyltoluene	0.27	1.0	0.16	1	J
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	4.2	10	2.5	1	J
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/09/13  
 Work Order: 13-10-0658  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

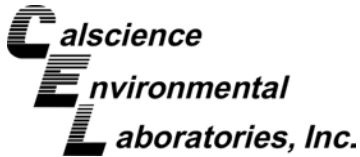
Project: DFSP - Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	101	80-126	
1,2-Dichloroethane-d4	101	80-134	
Toluene-d8	101	80-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0658  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP - Norwalk

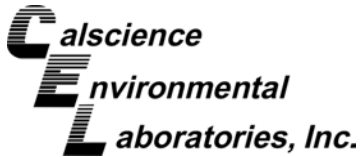
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-47	13-10-0658-7-A	10/08/13 11:13	Aqueous	GC/MS CC	10/11/13	10/12/13 10:10	131011L02

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	0.40	1.0	0.28	1	J
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	0.74	1.0	0.28	1	J
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0658  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

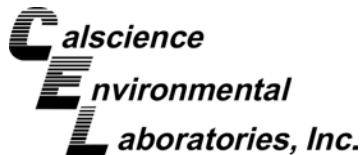
Project: DFSP - Norwalk

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Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	4.8	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	490	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.





## Analytical Report

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/09/13  
 Work Order: 13-10-0658  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

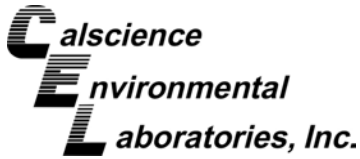
Project: DFSP - Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	100	80-126	
1,2-Dichloroethane-d4	100	80-134	
Toluene-d8	100	80-120	

Return to Contents 

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0658  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP - Norwalk

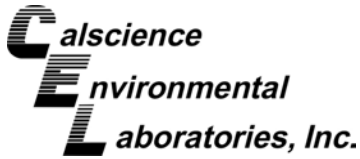
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-26	13-10-0658-8-A	10/08/13 11:54	Aqueous	GC/MS CC	10/11/13	10/12/13 10:38	131011L02

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	9.9	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	1.7	1.0	0.23	1	
sec-Butylbenzene	7.3	1.0	0.25	1	
tert-Butylbenzene	1.1	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0658  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

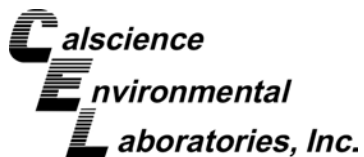
Project: DFSP - Norwalk

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Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	0.95	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	41	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	53	10	2.5	1	
n-Propylbenzene	41	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	0.33	0.50	0.24	1	J
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	0.36	0.50	0.24	1	J
o-Xylene	0.38	0.50	0.23	1	J
Methyl-t-Butyl Ether (MTBE)	0.97	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	5.9	10	4.6	1	J
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0658  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

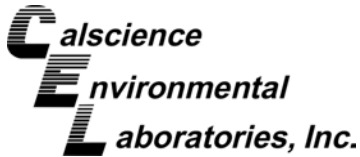
Project: DFSP - Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	101	80-126	
1,2-Dichloroethane-d4	100	80-134	
Toluene-d8	101	80-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0658  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP - Norwalk

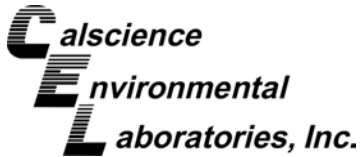
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-29	13-10-0658-9-A	10/08/13 12:40	Aqueous	GC/MS CC	10/11/13	10/12/13 11:07	131011L02

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	0.21	0.50	0.14	1	J
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	0.39	1.0	0.23	1	J
sec-Butylbenzene	3.2	1.0	0.25	1	
tert-Butylbenzene	1.1	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0658  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

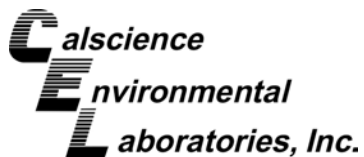
Project: DFSP - Norwalk

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Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	0.75	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	41	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	50	10	2.5	1	
n-Propylbenzene	25	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	0.84	0.50	0.24	1	
o-Xylene	0.56	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	8.7	10	4.6	1	J
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/09/13  
 Work Order: 13-10-0658  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

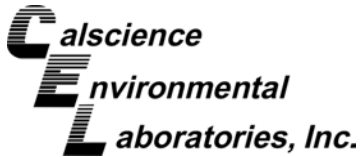
Project: DFSP - Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	98	80-126	
1,2-Dichloroethane-d4	97	80-134	
Toluene-d8	100	80-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0658  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP - Norwalk

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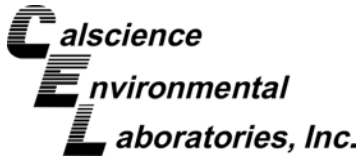
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
TF-21	13-10-0658-10-A	10/08/13 13:31	Aqueous	GC/MS CC	10/11/13	10/12/13 11:36	131011L02

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	38	20	10	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	0.88	1.0	0.23	1	J
sec-Butylbenzene	2.4	1.0	0.25	1	
tert-Butylbenzene	0.75	1.0	0.28	1	J
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	0.53	1.0	0.28	1	J
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	1.2	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	
2,2-Dichloropropane	ND	1.0	0.36	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.





## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0658  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

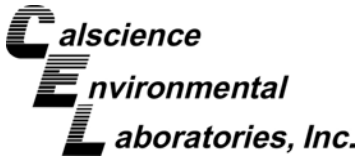
Project: DFSP - Norwalk

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	0.59	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	18	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	15	10	2.5	1	
n-Propylbenzene	14	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	0.24	0.50	0.23	1	J
Methyl-t-Butyl Ether (MTBE)	7.2	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	17	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/09/13  
 Work Order: 13-10-0658  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

Project: DFSP - Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Dibromofluoromethane	98	80-126	
1,2-Dichloroethane-d4	99	80-134	
Toluene-d8	100	80-120	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
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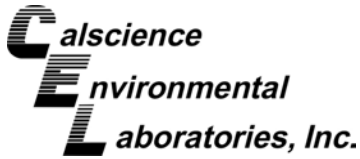
Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
Benzene	320	1.0	0.28	2	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	99	80-126	
1,2-Dichloroethane-d4	100	80-134	
Toluene-d8	100	80-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0658  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP - Norwalk

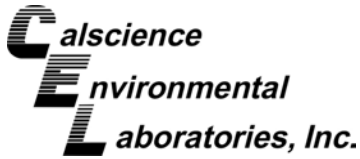
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
TF-16	13-10-0658-11-A	10/08/13 14:14	Aqueous	GC/MS CC	10/11/13	10/12/13 12:05	131011L02

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	120	20	10	1	
Benzene	170	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	0.36	1.0	0.23	1	J
sec-Butylbenzene	3.0	1.0	0.25	1	
tert-Butylbenzene	0.75	1.0	0.28	1	J
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	1.1	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

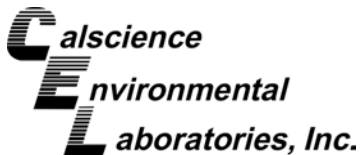
Date Received: 10/09/13  
Work Order: 13-10-0658  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP - Norwalk

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Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	1.1	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	13	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	17	10	2.5	1	
n-Propylbenzene	9.1	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	0.34	0.50	0.24	1	J
o-Xylene	0.24	0.50	0.23	1	J
Methyl-t-Butyl Ether (MTBE)	4.2	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	8.5	10	4.6	1	J
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	0.64	2.0	0.22	1	J
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/09/13  
 Work Order: 13-10-0658  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

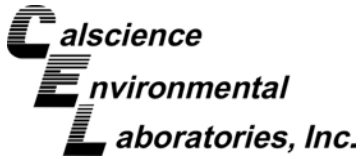
Project: DFSP - Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	99	80-126	
1,2-Dichloroethane-d4	99	80-134	
Toluene-d8	100	80-120	

Return to Contents 

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0658  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP - Norwalk

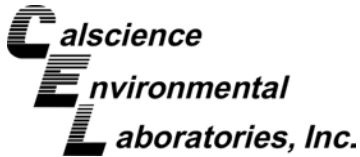
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EB-10/08/13	13-10-0658-12-A	10/08/13 13:45	Aqueous	GC/MS CC	10/11/13	10/12/13 04:25	131011L02

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

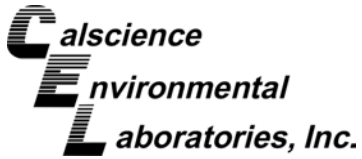
Date Received: 10/09/13  
Work Order: 13-10-0658  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP - Norwalk

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

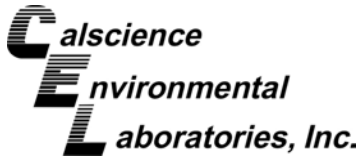
Date Received: 10/09/13  
 Work Order: 13-10-0658  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

Project: DFSP - Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	99	80-126	
1,2-Dichloroethane-d4	99	80-134	
Toluene-d8	99	80-120	





## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0658  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP - Norwalk

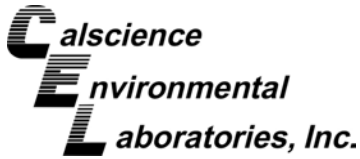
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-001-12103	N/A	Aqueous	GC/MS CC	10/11/13	10/12/13 02:59	131011L02

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

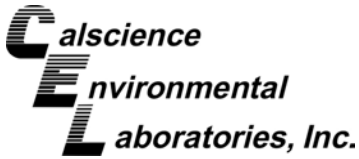
Date Received: 10/09/13  
Work Order: 13-10-0658  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP - Norwalk

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Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/09/13  
 Work Order: 13-10-0658  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

Project: DFSP - Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	94	80-120	
Dibromofluoromethane	99	80-126	
1,2-Dichloroethane-d4	100	80-134	
Toluene-d8	100	80-120	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID

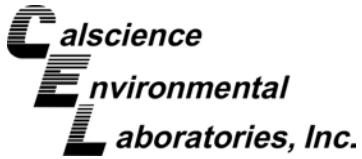
Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
Benzene	ND	0.50	0.14	1	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	98	80-126	
1,2-Dichloroethane-d4	99	80-134	
Toluene-d8	99	80-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Quality Control - Spike/Spike Duplicate

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0658  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

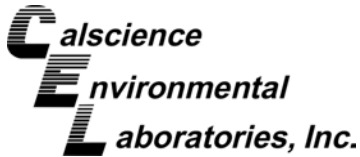
Project: DFSP - Norwalk

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Quality Control Sample ID	Matrix		Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
<b>GMW-40</b>	<b>Aqueous</b>		<b>GC 25</b>	<b>10/10/13</b>	<b>10/10/13 13:04</b>	<b>131010S01</b>				
<u>Parameter</u>	<u>Sample Conc.</u>	<u>Spike Added</u>	<u>MS Conc.</u>	<u>MS %Rec.</u>	<u>MSD Conc.</u>	<u>MSD %Rec.</u>	<u>%Rec. CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Gasoline	116.9	2000	1977	93	1995	94	68-122	1	0-18	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



## Quality Control - Spike/Spike Duplicate

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0658  
Preparation: EPA 5030C  
Method: EPA 8260B

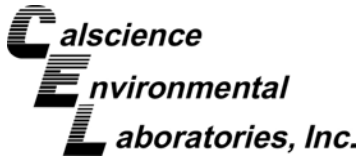
Project: DFSP - Norwalk

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Quality Control Sample ID	Matrix		Instrument		Date Prepared	Date Analyzed	MS/MSD Batch Number			
<b>13-10-0833-2</b>	<b>Aqueous</b>		<b>GC/MS CC</b>		<b>10/11/13</b>	<b>10/12/13 05:23</b>	<b>131011S02</b>			
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	51.67	103	49.19	98	78-120	5	0-20	
Carbon Tetrachloride	ND	50.00	48.91	98	47.56	95	67-139	3	0-20	
Chlorobenzene	ND	50.00	48.41	97	45.12	90	80-120	7	0-20	
1,2-Dibromoethane	ND	50.00	53.36	107	49.32	99	80-123	8	0-20	
1,2-Dichlorobenzene	ND	50.00	46.63	93	44.07	88	76-120	6	0-20	
1,2-Dichloroethane	ND	50.00	53.17	106	47.79	96	76-130	11	0-20	
1,1-Dichloroethene	ND	50.00	49.11	98	47.19	94	70-130	4	0-27	
Ethylbenzene	ND	50.00	50.47	101	48.90	98	73-127	3	0-20	
Toluene	ND	50.00	50.75	102	47.85	96	72-126	6	0-20	
Trichloroethene	ND	50.00	49.25	99	47.35	95	74-122	4	0-20	
Vinyl Chloride	ND	50.00	59.34	119	57.05	114	65-131	4	0-24	
p/m-Xylene	ND	100.0	101.4	101	96.99	97	70-130	4	0-30	
o-Xylene	ND	50.00	50.30	101	47.55	95	70-130	6	0-30	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	53.06	106	48.29	97	69-123	9	0-20	
Tert-Butyl Alcohol (TBA)	ND	250.0	293.4	117	264.9	106	65-131	10	0-22	
Diisopropyl Ether (DIPE)	ND	50.00	53.20	106	47.71	95	68-128	11	0-22	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	51.95	104	46.79	94	69-123	10	0-21	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	50.99	102	46.98	94	70-124	8	0-20	
Ethanol	ND	500.0	592.9	119	520.0	104	41-155	13	0-35	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



## Quality Control - LCS/LCSD

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0658  
Preparation: EPA 3510C  
Method: EPA 8015B (M)

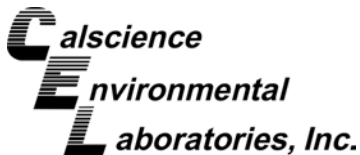
Project: DFSP - Norwalk

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Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number				
<b>099-15-282-139</b>	<b>Aqueous</b>	<b>GC 47</b>	<b>10/10/13</b>	<b>10/10/13 20:33</b>	<b>131010B09A</b>				
<u>Parameter</u>	<u>Spike Added</u>	<u>LCS Conc.</u>	<u>LCS %Rec.</u>	<u>LCSD Conc.</u>	<u>LCSD %Rec.</u>	<u>%Rec. CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Diesel	4000	3879	97	3699	92	75-117	5	0-13	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Quality Control - LCS

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/09/13  
 Work Order: 13-10-0658  
 Preparation: EPA 5030C  
 Method: EPA 8015B (M)

Project: DFSP - Norwalk

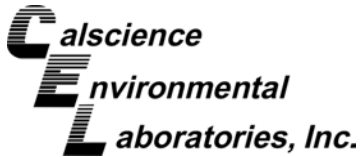
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Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
<b>099-15-704-550</b>	<b>Aqueous</b>	<b>GC 25</b>	<b>10/10/13 11:57</b>	<b>131010B01</b>

<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
TPH as Gasoline	2000	1843	92	78-120	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



## Quality Control - LCS

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0658  
Preparation: EPA 5030C  
Method: EPA 8260B

Project: DFSP - Norwalk

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Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number		
<b>099-14-001-12103</b>	<b>Aqueous</b>	<b>GC/MS CC</b>	<b>10/12/13 02:03</b>	<b>131011L02</b>		
Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	46.90	94	80-120	73-127	
Carbon Tetrachloride	50.00	43.27	87	66-138	54-150	
Chlorobenzene	50.00	43.18	86	80-120	73-127	
1,2-Dibromoethane	50.00	48.21	96	80-120	73-127	
1,2-Dichlorobenzene	50.00	42.91	86	80-120	73-127	
1,2-Dichloroethane	50.00	48.41	97	80-129	72-137	
1,1-Dichloroethene	50.00	43.09	86	71-131	61-141	
Ethylbenzene	50.00	45.17	90	80-123	73-130	
Toluene	50.00	45.30	91	79-121	72-128	
Trichloroethene	50.00	45.46	91	80-120	73-127	
Vinyl Chloride	50.00	52.11	104	70-136	59-147	
p/m-Xylene	100.0	90.42	90	75-125	67-133	
o-Xylene	50.00	44.78	90	75-125	67-133	
Methyl-t-Butyl Ether (MTBE)	50.00	48.04	96	72-126	63-135	
Tert-Butyl Alcohol (TBA)	250.0	259.5	104	71-125	62-134	
Diisopropyl Ether (DIPE)	50.00	47.00	94	69-129	59-139	
Ethyl-t-Butyl Ether (ETBE)	50.00	47.28	95	69-129	59-139	
Tert-Amyl-Methyl Ether (TAME)	50.00	47.46	95	67-133	56-144	
Ethanol	500.0	552.6	111	47-155	29-173	

Total number of LCS compounds: 19

Total number of ME compounds: 0

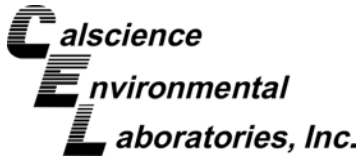
Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits





## Quality Control - LCS

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0658  
Preparation: EPA 5030C  
Method: EPA 8260B

Project: DFSP - Norwalk

Page 4 of 4

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number		
<b>099-14-001-12106</b>	<b>Aqueous</b>	<b>GC/MS CC</b>	<b>10/12/13 14:22</b>	<b>131012L01</b>		
Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	43.18	86	80-120	73-127	
Carbon Tetrachloride	50.00	40.60	81	66-138	54-150	
Chlorobenzene	50.00	40.72	81	80-120	73-127	
1,2-Dibromoethane	50.00	45.10	90	80-120	73-127	
1,2-Dichlorobenzene	50.00	40.92	82	80-120	73-127	
1,2-Dichloroethane	50.00	43.80	88	80-129	72-137	
1,1-Dichloroethene	50.00	40.45	81	71-131	61-141	
Ethylbenzene	50.00	42.85	86	80-123	73-130	
Toluene	50.00	42.09	84	79-121	72-128	
Trichloroethene	50.00	41.61	83	80-120	73-127	
Vinyl Chloride	50.00	48.07	96	70-136	59-147	
p/m-Xylene	100.0	86.37	86	75-125	67-133	
o-Xylene	50.00	42.26	85	75-125	67-133	
Methyl-t-Butyl Ether (MTBE)	50.00	44.13	88	72-126	63-135	
Tert-Butyl Alcohol (TBA)	250.0	235.3	94	71-125	62-134	
Diisopropyl Ether (DIPE)	50.00	43.93	88	69-129	59-139	
Ethyl-t-Butyl Ether (ETBE)	50.00	43.75	88	69-129	59-139	
Tert-Amyl-Methyl Ether (TAME)	50.00	43.46	87	67-133	56-144	
Ethanol	500.0	516.7	103	47-155	29-173	

Total number of LCS compounds: 19

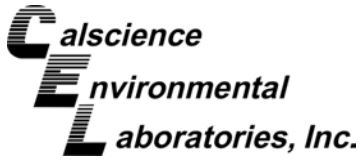
Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



## Sample Analysis Summary Report

Work Order: 13-10-0658

Page 1 of 1

<u>Method</u>	<u>Extraction</u>	<u>Chemist ID</u>	<u>Instrument</u>	<u>Analytical Location</u>
EPA 8015B (M)	EPA 3510C	682	GC 47	1
EPA 8015B (M)	EPA 5030C	797	GC 25	2
EPA 8260B	EPA 5030C	856	GC/MS CC	2

  
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Location 1: 7440 Lincoln Way, Garden Grove, CA 92841

Location 2: 7445 Lampson Avenue, Garden Grove, CA 92841

## Glossary of Terms and Qualifiers

Work Order: 13-10-0658

Page 1 of 1

<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of  $\leq 15$  minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

# BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE  
 SAN JOSE, CALIFORNIA 95112-1105  
 FAX (408) 573-7771  
 PHONE (408) 573-0555

## CONDUCT ANALYSIS TO DETECT

LAB: Calscience PM: Ranjit Clark

DHS #

MUST MEET SPECIFICATIONS

- EPA
- LIA
- OTHER

RWQCB REGION

# 13-10-0658

SPECIAL INSTRUCTIONS

Invoice and Report to:

Parsons - Mary Lucas (mary.lucas@parsons.com)

100 W Walnut St., Pasadena, CA 91124 (626) 440-6032

Project # 746442

ADD'L INFORMATION      STATUS      CONDITION      LAB SAMPLE #

CHAIN OF CUSTODY

CLIENT: Parsons

SITE: DFSP Norwalk

SAMPLE I.D.	DATE	TIME	MATRIX		CONTAINERS		VOC's (including BTEX, MTBE, TBA, EPA 8260)	TPHd (8015)	TPHg (8015)							
			W = H2O	TOTAL												
TB-10108/2013	10/8/2013	0700	w	3	Voas		X									1
GMW-40		0744		7	Voas Amber		X	X	X							2
MW-27		0829		7			X	X	X							3
GMW-12		0909		7			X	X	X							4
GMW-32		0941		7			X	X	X							5
GMW-15		1021		7			X	X	X							6
GMW-47		1113		7			X	X	X							7
MW-26		1154		7			X	X	X							8
MW-29		1240		7			X	X	X							9
TF-21		1331		7			X	X	X							10

SAMPLING COMPLETED: 10-8-13 / 1515      SAMPLING PERFORMED BY: Samuel Ramirez      RESULTS NEEDED NO LATER THAN: Standard

RELEASED BY: [Signature]      DATE: 10-8-13      TIME: 1515      RECEIVED BY: Nicole      DATE: 10/8/13      TIME: 1515

RELEASED BY: Nicole      DATE: 10/9/13      TIME: 1124      RECEIVED BY: RMM M (EL)      DATE: 10/9/13      TIME: 1124

RELEASED BY: RMM M      DATE: 10/9/13      TIME: 1220      RECEIVED BY: [Signature]      DATE: 10/9/13      TIME: 1220

SHIPPED VIA:      DATE SENT:      TIME SENT:      COOLER #:



# BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE  
 SAN JOSE, CALIFORNIA 95112-1105  
 FAX (408) 573-7771  
 PHONE (408) 573-0555

## CONDUCT ANALYSIS TO DETECT

LAB: Calscience PM: Ranjit Clark

DHS #

MUST MEET SPECIFICATIONS

- EPA
- LIA
- OTHER

RWQCB REGION

0658

SPECIAL INSTRUCTIONS

Invoice and Report to:

Parsons - Mary Lucas (mary.lucas@parsons.com)

100 W Walnut St., Pasadena, CA 91124 (626) 440-6032

Project # 746442

ADD'L INFORMATION STATUS CONDITION LAB SAMPLE #

CHAIN OF CUSTODY

CLIENT **Parsons**

SITE **DFSP Norwalk**

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS		VOC's (including BTEX, MTBE, TBA, EPA 8260)	TPHd (8015)	TPHg (8015)								
			W = H2O	TOTAL												
TF-16	10-8-13	1414	w	7	2005 Amber	x	x	x								11
EB-10/8/13	10-8-13	1345	w	3	2005	x										12
EB-10/10/13																

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN	
	10-8-13	1515	Samuel Ramirez	Standard	
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
<i>[Signature]</i>	10-8-13	1515	Nicole	10/8/13	1515
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Nicole	10/9/13	1128 AM	Randy N LEL	10/9/13	1128
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Randy N	10/9/13	1220	<i>[Signature]</i> ca	10/9/13	1220
SHIPPED VIA	DATE SENT	TIME SENT	COOLER #		

**SAMPLE RECEIPT FORM**

Cooler 1 of 1

CLIENT: Darson S

DATE: 10/09/13

**TEMPERATURE:** Thermometer ID: SC2 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 3.0 °C - 0.2 °C (CF) = 2.8 °C  Blank  Sample

Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_).

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature:  Air  Filter Initial: 676

**CUSTODY SEALS INTACT:**

Cooler  \_\_\_\_\_  No (Not Intact)  Not Present  N/A Initial: 676

Sample  \_\_\_\_\_  No (Not Intact)  Not Present Initial: 802

**SAMPLE CONDITION:**

	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
<input type="checkbox"/> No analysis requested. <input type="checkbox"/> Not relinquished. <input type="checkbox"/> No date/time relinquished.			
Sampler's name indicated on COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers and sufficient volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aqueous samples received within 15-minute holding time			
<input type="checkbox"/> pH <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> Dissolved Sulfides <input type="checkbox"/> Dissolved Oxygen.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**CONTAINER TYPE:**

**Solid:**  4ozCGJ  8ozCGJ  16ozCGJ  Sleeve (\_\_\_\_)  EnCores®  TerraCores®  \_\_\_\_\_

**Aqueous:**  VOA  VOAh  VOAna2  125AGB  125AGBh  125AGBp  1AGB  1AGBna2  1AGBs

500AGB  500AGJ  500AGJs  250AGB  250CGB  250CGBs  1PB  1PBna  500PB

250PB  250PBn  125PB  125PBznnna  100PJ  100PJna2  \_\_\_\_\_  \_\_\_\_\_  \_\_\_\_\_

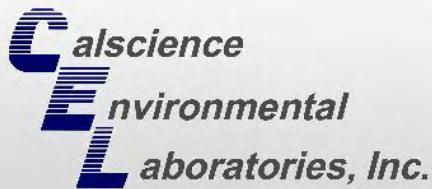
**Air:**  Tedlar®  Canister **Other:**  \_\_\_\_\_ **Trip Blank Lot#:** 131003A **Labeled/Checked by:** 862

**Container:** C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** 778

**Preservative:** h: HCL n: HNO3 na2:Na2S2O3 na: NaOH p: H3PO4 s: H2SO4 u: Ultra-pure znnna: ZnAc2+NaOH f: Filtered **Scanned by:** 778

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# CALSCIENCE

## WORK ORDER NUMBER: 13-10-0659

*The difference is service*



AIR | SOIL | WATER | MARINE CHEMISTRY

### Analytical Report For

**Client:** Parsons Government Services, Inc.

**Client Project Name:** DFSP Norwalk

**Attention:** Mary Lucas  
100 West Walnut Street  
Pasadena, CA 91124-0002

Approved for release on 10/16/2013 by:  
Ranjit Clarke  
Project Manager

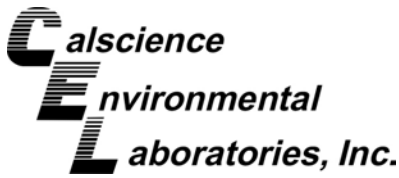
ResultLink ▶

Email your PM ▶



Calscience Environmental Laboratories, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.





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Work Order Number: 13-10-0659

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**Work Order Narrative**

Work Order: 13-10-0659

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**Condition Upon Receipt:**

Samples were received under Chain of Custody (COC) on 10/09/13. They were assigned to Work Order 13-10-0659.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

**Holding Times:**

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of  $\leq 15$  minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

**Quality Control:**

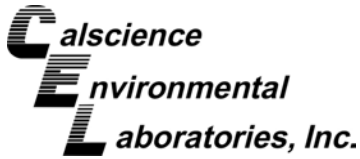
All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

**Additional Comments:**

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

**Subcontractor Information:**

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0659  
Preparation: EPA 3510C  
Method: EPA 8015B (M)  
Units: ug/L

Project: DFSP Norwalk

Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-5	13-10-0659-1-G	10/08/13 08:01	Aqueous	GC 45	10/10/13	10/10/13 22:37	131010B10

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	120	100	1	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	106	68-140	

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	250	100	1	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	111	68-140	

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	250	100	1	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	113	68-140	

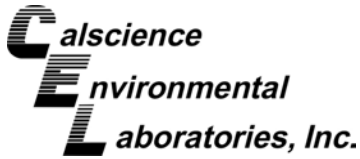
Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	180	100	1	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	100	68-140	

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	230	100	1	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	109	68-140	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0659  
Preparation: EPA 3510C  
Method: EPA 8015B (M)  
Units: ug/L

Project: DFSP Norwalk

Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-56	13-10-0659-6-G	10/08/13 11:09	Aqueous	GC 45	10/10/13	10/11/13 00:05	131010B10

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	190	100	1	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	102	68-140	

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	330	100	1	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	109	68-140	

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	140	100	1	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	109	68-140	

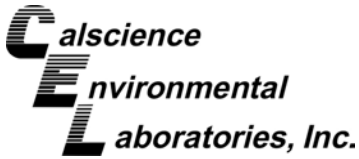
Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	110	100	1	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	107	68-140	

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	1200	100	1	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	110	68-140	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/09/13  
 Work Order: 13-10-0659  
 Preparation: EPA 3510C  
 Method: EPA 8015B (M)  
 Units: ug/L

Project: DFSP Norwalk

Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-61	13-10-0659-11-G	10/08/13 13:54	Aqueous	GC 45	10/10/13	10/11/13 01:51	131010B10

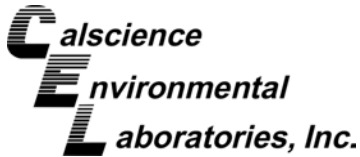
Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	390	100	1	HD
Surrogate	Rec. (%)	Control Limits	Qualifiers	
n-Octacosane	109	68-140		

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	360	100	1	HD
Surrogate	Rec. (%)	Control Limits	Qualifiers	
n-Octacosane	110	68-140		

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	100	1	
Surrogate	Rec. (%)	Control Limits	Qualifiers	
n-Octacosane	110	68-140		

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0659  
Preparation: EPA 5030C  
Method: EPA 8015B (M)  
Units: ug/L

Project: DFSP Norwalk

Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-5	13-10-0659-1-E	10/08/13 08:01	Aqueous	GC 42	10/10/13	10/10/13 12:33	131010B01

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	100	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	66	38-134	

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	100	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	67	38-134	

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	100	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	66	38-134	

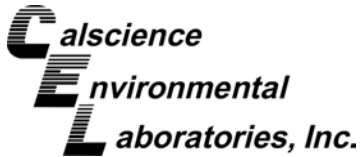
Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	100	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	71	38-134	

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	100	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	79	38-134	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0659  
Preparation: EPA 5030C  
Method: EPA 8015B (M)  
Units: ug/L

Project: DFSP Norwalk

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-56	13-10-0659-6-E	10/08/13 11:09	Aqueous	GC 42	10/10/13	10/10/13 16:37	131010B01

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	100	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	66	38-134	

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	100	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	54	38-134	

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	100	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	68	38-134	

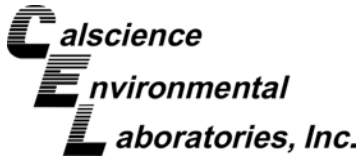
Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	100	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	65	38-134	

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	460	100	1	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	90	38-134	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0659  
Preparation: EPA 5030C  
Method: EPA 8015B (M)  
Units: ug/L

Project: DFSP Norwalk

Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-61	13-10-0659-11-E	10/08/13 13:54	Aqueous	GC 42	10/10/13	10/10/13 20:06	131010B01

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
TPH as Gasoline	130	100	1	HD

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	85	38-134	

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
TPH as Gasoline	150	100	1	HD

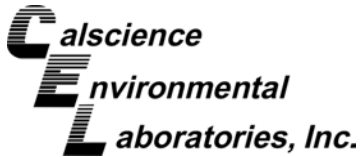
<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	77	38-134	

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
TPH as Gasoline	ND	100	1	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	71	38-134	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0659  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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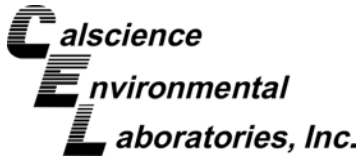
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-5	13-10-0659-1-A	10/08/13 08:01	Aqueous	GC/MS XX	10/10/13	10/11/13 00:17	131010L03

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.





## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

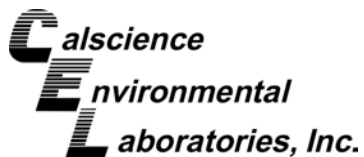
Date Received: 10/09/13  
Work Order: 13-10-0659  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0659  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

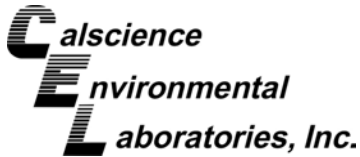
Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	91	80-120	
Dibromofluoromethane	107	80-126	
1,2-Dichloroethane-d4	111	80-134	
Toluene-d8	100	80-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0659  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

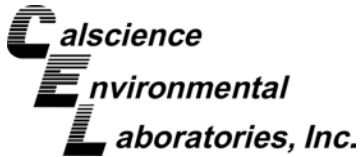
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-6	13-10-0659-2-A	10/08/13 08:39	Aqueous	GC/MS XX	10/10/13	10/11/13 00:45	131010L03

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	0.41	1.0	0.28	1	J
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

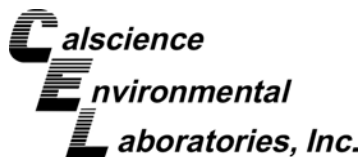
Date Received: 10/09/13  
Work Order: 13-10-0659  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	1.2	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	57	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0659  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

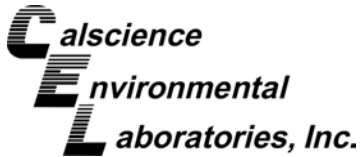
Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	90	80-120	
Dibromofluoromethane	108	80-126	
1,2-Dichloroethane-d4	112	80-134	
Toluene-d8	100	80-120	

Return to Contents 

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0659  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

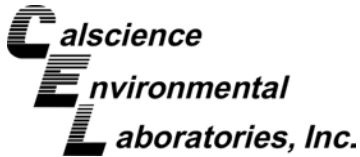
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-16	13-10-0659-3-A	10/08/13 09:19	Aqueous	GC/MS XX	10/10/13	10/11/13 01:14	131010L03

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

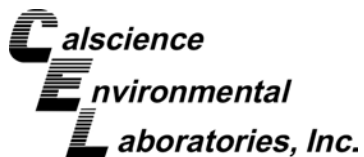
Date Received: 10/09/13  
Work Order: 13-10-0659  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0659  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

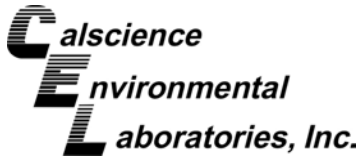
Page 9 of 39

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	91	80-120	
Dibromofluoromethane	109	80-126	
1,2-Dichloroethane-d4	111	80-134	
Toluene-d8	101	80-120	

Return to Contents 

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.





## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0659  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

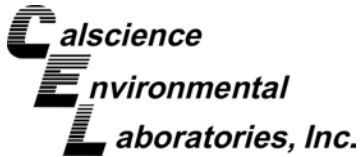
Page 10 of 39

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GW-6	13-10-0659-4-A	10/08/13 09:56	Aqueous	GC/MS XX	10/10/13	10/11/13 01:42	131010L03

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

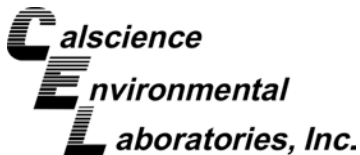
Date Received: 10/09/13  
Work Order: 13-10-0659  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	1.1	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	12	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/09/13  
 Work Order: 13-10-0659  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

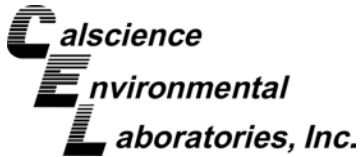
Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	90	80-120	
Dibromofluoromethane	108	80-126	
1,2-Dichloroethane-d4	109	80-134	
Toluene-d8	100	80-120	

Return to Contents 

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0659  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

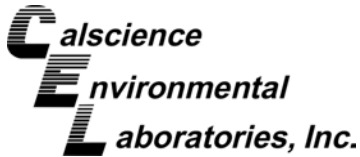
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-24	13-10-0659-5-A	10/08/13 10:37	Aqueous	GC/MS XX	10/10/13	10/11/13 02:10	131010L03

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

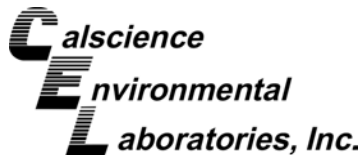
Date Received: 10/09/13  
Work Order: 13-10-0659  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	1.0	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/09/13  
 Work Order: 13-10-0659  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

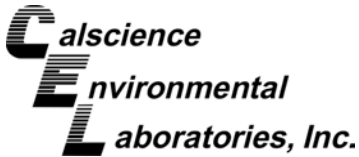
Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	90	80-120	
Dibromofluoromethane	110	80-126	
1,2-Dichloroethane-d4	112	80-134	
Toluene-d8	100	80-120	

Return to Contents 

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0659  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

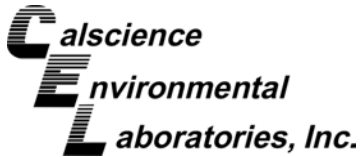
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-56	13-10-0659-6-A	10/08/13 11:09	Aqueous	GC/MS XX	10/10/13	10/11/13 02:39	131010L03

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0659  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

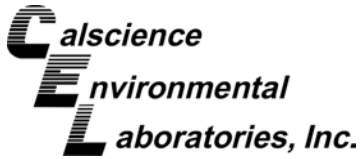
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Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	


  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.





## Analytical Report

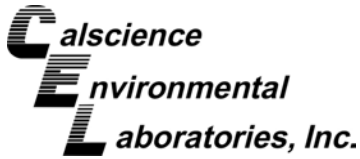
Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/09/13  
 Work Order: 13-10-0659  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	91	80-120	
Dibromofluoromethane	110	80-126	
1,2-Dichloroethane-d4	113	80-134	
Toluene-d8	101	80-120	



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0659  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

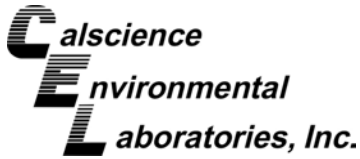
Page 19 of 39

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-13	13-10-0659-7-A	10/08/13 11:45	Aqueous	GC/MS XX	10/10/13	10/11/13 03:36	131010L03

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

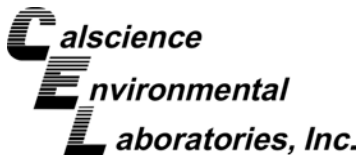
Date Received: 10/09/13  
Work Order: 13-10-0659  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/09/13  
 Work Order: 13-10-0659  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

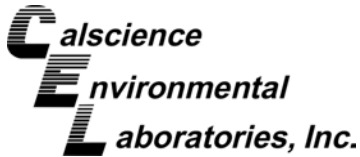
Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	90	80-120	
Dibromofluoromethane	110	80-126	
1,2-Dichloroethane-d4	114	80-134	
Toluene-d8	101	80-120	

Return to Contents 

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0659  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

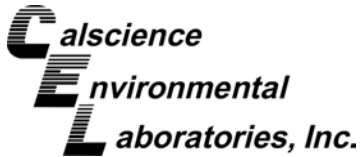
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-57	13-10-0659-8-A	10/08/13 12:18	Aqueous	GC/MS XX	10/10/13	10/11/13 04:05	131010L03

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	0.34	0.50	0.14	1	J
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	0.55	1.0	0.28	1	J
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0659  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

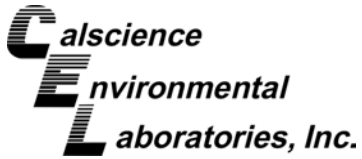
Project: DFSP Norwalk

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Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	0.57	1.0	0.36	1	J
1,3,5-Trimethylbenzene	0.82	1.0	0.28	1	J
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	0.99	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	0.74	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

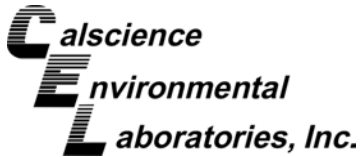
Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/09/13  
 Work Order: 13-10-0659  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	92	80-120	
Dibromofluoromethane	106	80-126	
1,2-Dichloroethane-d4	109	80-134	
Toluene-d8	101	80-120	



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0659  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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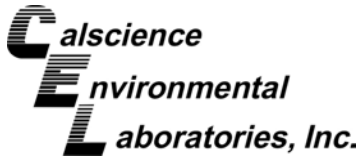
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-17	13-10-0659-9-A	10/08/13 12:48	Aqueous	GC/MS XX	10/10/13	10/11/13 04:33	131010L03

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.





## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0659  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

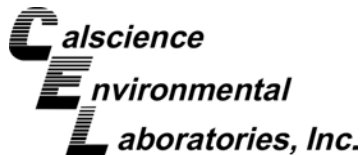
Project: DFSP Norwalk

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Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	


  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/09/13  
 Work Order: 13-10-0659  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

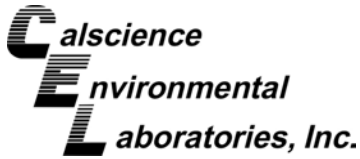
Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	91	80-120	
Dibromofluoromethane	111	80-126	
1,2-Dichloroethane-d4	113	80-134	
Toluene-d8	101	80-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0659  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

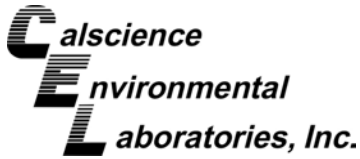
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-58	13-10-0659-10-A	10/08/13 13:27	Aqueous	GC/MS XX	10/10/13	10/11/13 05:02	131010L03

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	4.7	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	0.58	1.0	0.25	1	J
tert-Butylbenzene	0.37	1.0	0.28	1	J
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	0.35	1.0	0.28	1	J
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0659  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

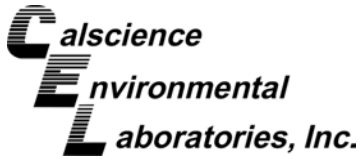
Project: DFSP Norwalk

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Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	5.2	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	4.5	10	2.5	1	J
n-Propylbenzene	2.7	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	0.43	0.50	0.31	1	J
Tert-Butyl Alcohol (TBA)	15	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

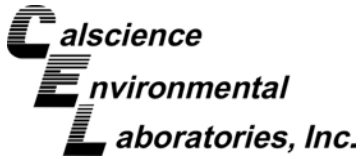
Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/09/13  
 Work Order: 13-10-0659  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	98	80-126	
1,2-Dichloroethane-d4	99	80-134	
Toluene-d8	103	80-120	



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0659  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

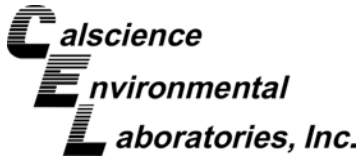
Page 31 of 39

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-61	13-10-0659-11-A	10/08/13 13:54	Aqueous	GC/MS XX	10/10/13	10/11/13 05:30	131010L03

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	9.4	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	0.29	1.0	0.23	1	J
sec-Butylbenzene	1.1	1.0	0.25	1	
tert-Butylbenzene	0.33	1.0	0.28	1	J
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

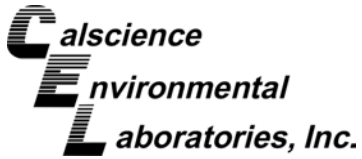
Date Received: 10/09/13  
Work Order: 13-10-0659  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	5.3	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	1.2	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	210	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/09/13  
 Work Order: 13-10-0659  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

Project: DFSP Norwalk

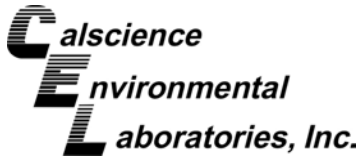
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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	94	80-120	
Dibromofluoromethane	100	80-126	
1,2-Dichloroethane-d4	98	80-134	
Toluene-d8	99	80-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.





## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0659  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

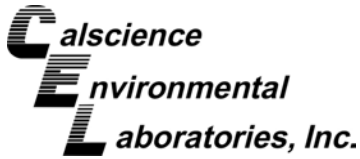
Page 34 of 39

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-61 DUP	13-10-0659-12-A	10/08/13 00:00	Aqueous	GC/MS XX	10/10/13	10/11/13 05:59	131010L03

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	8.5	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	0.24	1.0	0.23	1	J
sec-Butylbenzene	1.0	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

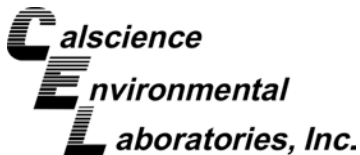
Date Received: 10/09/13  
Work Order: 13-10-0659  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	4.8	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	1.1	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	210	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/09/13  
 Work Order: 13-10-0659  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

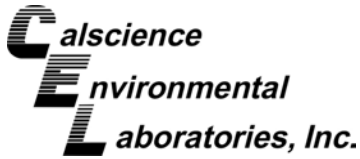
Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	102	80-126	
1,2-Dichloroethane-d4	104	80-134	
Toluene-d8	98	80-120	



RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0659  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

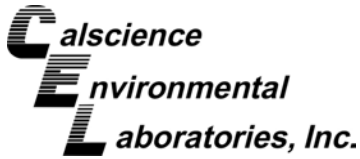
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-001-12090	N/A	Aqueous	GC/MS XX	10/10/13	10/10/13 23:48	131010L03

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

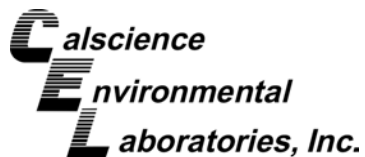
Date Received: 10/09/13  
Work Order: 13-10-0659  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/09/13  
 Work Order: 13-10-0659  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

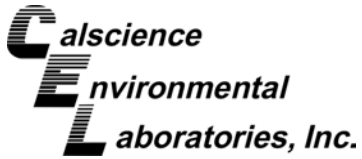
Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	91	80-120	
Dibromofluoromethane	106	80-126	
1,2-Dichloroethane-d4	108	80-134	
Toluene-d8	100	80-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Quality Control - Spike/Spike Duplicate

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0659  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

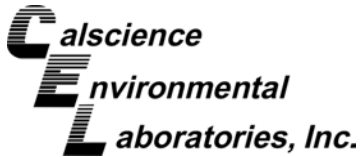
Project: DFSP Norwalk

Page 1 of 2

Quality Control Sample ID	Matrix		Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
<b>GMW-5</b>	<b>Aqueous</b>		<b>GC 42</b>	<b>10/10/13</b>	<b>10/10/13 13:08</b>	<b>131010S01</b>				
<u>Parameter</u>	<u>Sample Conc.</u>	<u>Spike Added</u>	<u>MS Conc.</u>	<u>MS %Rec.</u>	<u>MSD Conc.</u>	<u>MSD %Rec.</u>	<u>%Rec. CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Gasoline	ND	2000	1854	93	1781	89	68-122	4	0-18	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



## Quality Control - Spike/Spike Duplicate

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0659  
Preparation: EPA 5030C  
Method: EPA 8260B

Project: DFSP Norwalk

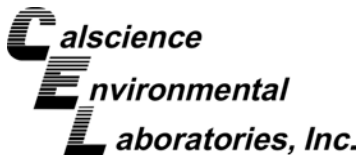
Page 2 of 2

Quality Control Sample ID	Matrix		Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
GMW-5	Aqueous		GC/MS XX	10/10/13	10/11/13 06:27	131010S02				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	46.64	93	45.44	91	78-120	3	0-20	
Carbon Tetrachloride	ND	50.00	45.73	91	44.43	89	67-139	3	0-20	
Chlorobenzene	ND	50.00	45.80	92	44.00	88	80-120	4	0-20	
1,2-Dibromoethane	ND	50.00	49.22	98	47.91	96	80-123	3	0-20	
1,2-Dichlorobenzene	ND	50.00	47.81	96	46.24	92	76-120	3	0-20	
1,2-Dichloroethane	ND	50.00	51.86	104	49.96	100	76-130	4	0-20	
1,1-Dichloroethene	ND	50.00	43.01	86	42.16	84	70-130	2	0-27	
Ethylbenzene	ND	50.00	47.83	96	45.88	92	73-127	4	0-20	
Toluene	ND	50.00	48.22	96	46.57	93	72-126	3	0-20	
Trichloroethene	ND	50.00	46.48	93	44.68	89	74-122	4	0-20	
Vinyl Chloride	ND	50.00	44.87	90	43.80	88	65-131	2	0-24	
p/m-Xylene	ND	100.0	93.58	94	89.46	89	70-130	4	0-30	
o-Xylene	ND	50.00	46.77	94	45.11	90	70-130	4	0-30	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	47.32	95	47.03	94	69-123	1	0-20	
Tert-Butyl Alcohol (TBA)	ND	250.0	279.3	112	262.4	105	65-131	6	0-22	
Diisopropyl Ether (DIPE)	ND	50.00	49.00	98	47.88	96	68-128	2	0-22	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	48.00	96	47.79	96	69-123	0	0-21	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	49.54	99	48.74	97	70-124	2	0-20	
Ethanol	ND	500.0	528.6	106	511.1	102	41-155	3	0-35	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits





Quality Control - LCS/LCSD

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/09/13  
 Work Order: 13-10-0659  
 Preparation: EPA 3510C  
 Method: EPA 8015B (M)

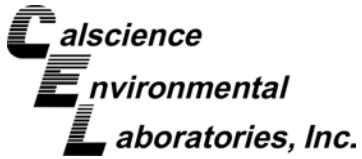
Project: DFSP Norwalk

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Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number				
<b>099-15-282-140</b>	<b>Aqueous</b>	<b>GC 45</b>	<b>10/10/13</b>	<b>10/10/13 22:03</b>	<b>131010B10</b>				
<u>Parameter</u>	<u>Spike Added</u>	<u>LCS Conc.</u>	<u>LCS %Rec.</u>	<u>LCSD Conc.</u>	<u>LCSD %Rec.</u>	<u>%Rec. CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Diesel	4000	3854	96	3986	100	75-117	3	0-13	

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RPD: Relative Percent Difference. CL: Control Limits



## Quality Control - LCS

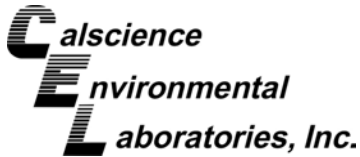
Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0659  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

Project: DFSP Norwalk

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Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number	
<b>099-15-704-549</b>	<b>Aqueous</b>	<b>GC 42</b>	<b>10/10/13 11:58</b>	<b>131010B01</b>	
<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
TPH as Gasoline	2000	1863	93	78-120	



## Quality Control - LCS

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/09/13  
Work Order: 13-10-0659  
Preparation: EPA 5030C  
Method: EPA 8260B

Project: DFSP Norwalk

Page 3 of 3

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number		
<b>099-14-001-12090</b>	<b>Aqueous</b>	<b>GC/MS XX</b>	<b>10/10/13 22:51</b>	<b>131010L03</b>		
Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	46.55	93	80-120	73-127	
Carbon Tetrachloride	50.00	45.50	91	66-138	54-150	
Chlorobenzene	50.00	45.27	91	80-120	73-127	
1,2-Dibromoethane	50.00	49.05	98	80-120	73-127	
1,2-Dichlorobenzene	50.00	47.29	95	80-120	73-127	
1,2-Dichloroethane	50.00	50.38	101	80-129	72-137	
1,1-Dichloroethene	50.00	43.08	86	71-131	61-141	
Ethylbenzene	50.00	47.51	95	80-123	73-130	
Toluene	50.00	47.76	96	79-121	72-128	
Trichloroethene	50.00	46.43	93	80-120	73-127	
Vinyl Chloride	50.00	44.74	89	70-136	59-147	
p/m-Xylene	100.0	92.96	93	75-125	67-133	
o-Xylene	50.00	46.24	92	75-125	67-133	
Methyl-t-Butyl Ether (MTBE)	50.00	47.78	96	72-126	63-135	
Tert-Butyl Alcohol (TBA)	250.0	275.2	110	71-125	62-134	
Diisopropyl Ether (DIPE)	50.00	49.28	99	69-129	59-139	
Ethyl-t-Butyl Ether (ETBE)	50.00	48.97	98	69-129	59-139	
Tert-Amyl-Methyl Ether (TAME)	50.00	50.32	101	67-133	56-144	
Ethanol	500.0	514.0	103	47-155	29-173	

Total number of LCS compounds: 19

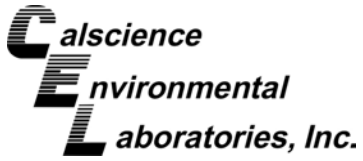
Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



## Sample Analysis Summary Report

Work Order: 13-10-0659

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<u>Method</u>	<u>Extraction</u>	<u>Chemist ID</u>	<u>Instrument</u>	<u>Analytical Location</u>
EPA 8015B (M)	EPA 3510C	682	GC 45	1
EPA 8015B (M)	EPA 5030C	797	GC 42	2
EPA 8260B	EPA 5030C	316	GC/MS XX	2

  
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Location 1: 7440 Lincoln Way, Garden Grove, CA 92841

Location 2: 7445 Lampson Avenue, Garden Grove, CA 92841

## Glossary of Terms and Qualifiers

Work Order: 13-10-0659

Page 1 of 1

<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of  $\leq 15$  minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

# BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE  
 SAN JOSE, CALIFORNIA 95112-1105  
 FAX (408) 573-7771  
 PHONE (408) 573-0555

## CONDUCT ANALYSIS TO DETECT

LAB: Calscience PM: Ranjit Clark

DHS #

MUST MEET SPECIFICATIONS

- EPA  
 LIA  
 OTHER

RWQCB REGION

# 13-10-0659

SPECIAL INSTRUCTIONS

Invoice and Report to:

Parsons - Mary Lucas (mary.lucas@parsons.com)

100 W Walnut St., Pasadena, CA 91124 (626) 440-6032

Project # 746442

ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
			1
			2
			3
			4
			5
			6
			7
			8
			9
			10

VOC's (including BTEX, MTBE, TBA, EPA 8260)	TPHd (8015)	TPHg (8015)								
X	X	X								
X	X	X								
X	X	X								
X	X	X								
X	X	X								
X	X	X								
X	X	X								
X	X	X								
X	X	X								
X	X	X								

CHAIN OF CUSTODY

CLIENT: Parsons

SITE: DFSP Norwalk

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS		VOC's	TPHd	TPHg						
			W = H2O	TOTAL										
GMW-5	10/5/13	0801	W	7	HCl/none	X	X	X						
GMW-6		0839				X	X	X						
GMW-16		0919				X	X	X						
GW-6		0956				X	X	X						
MW-24		1037				X	X	X						
GMW-56		1109				X	X	X						
MW-13		1145				X	X	X						
GMW-57		1218				X	X	X						
MW-17		1248				X	X	X						
GMW-58	10/8/13	1327	W	7	HCl/none	X	X	X						

SAMPLING COMPLETED: DATE 10/8/13, TIME 1420

SAMPLING PERFORMED BY: MATT Houser

RESULTS NEEDED NO LATER THAN: Standard

RELEASED BY: [Signature] DATE: 10/8/13 TIME: 1515 RECEIVED BY: [Signature] DATE: 10/6/13 TIME: 1515

RELEASED BY: Nicole DATE: 10/9/13 TIME: 1128 RECEIVED BY: [Signature] DATE: 10/9/13 TIME: 1128

RELEASED BY: [Signature] DATE: 10/9/13 TIME: 1220 RECEIVED BY: [Signature] DATE: 10/9/13 TIME: 1220

SHIPPED VIA: DATE SENT: TIME SENT: COOLER #:

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**SAMPLE RECEIPT FORM**

Cooler 1 of 1

CLIENT: Darson s

DATE: 10/09/13

**TEMPERATURE:** Thermometer ID: SC2 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 3.0 °C - 0.2 °C (CF) = 2.8 °C     Blank     Sample

Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_).

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature:     Air     Filter    Initial: 676

**CUSTODY SEALS INTACT:**

Cooler     \_\_\_\_\_     No (Not Intact)     Not Present     N/A    Initial: 676

Sample     \_\_\_\_\_     No (Not Intact)     Not Present    Initial: 862

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
<input type="checkbox"/> No analysis requested. <input type="checkbox"/> Not relinquished. <input type="checkbox"/> No date/time relinquished.			
Sampler's name indicated on COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers and sufficient volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aqueous samples received within 15-minute holding time			
<input type="checkbox"/> pH <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> Dissolved Sulfides <input type="checkbox"/> Dissolved Oxygen.....			
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**CONTAINER TYPE:**

**Solid:**  4ozCGJ     8ozCGJ     16ozCGJ     Sleeve (\_\_\_\_)     EnCores®     TerraCores®     \_\_\_\_\_

**Aqueous:**  VOA     VOAh     VOAna<sub>2</sub>     125AGB     125AGBh     125AGBp     1AGB     1AGBna<sub>2</sub>     1AGBs

500AGB     500AGJ     500AGJs     250AGB     250CGB     250CGBs     1PB     1PBna     500PB

250PB     250PBn     125PB     125PBz<sub>nna</sub>     100PJ     100PJna<sub>2</sub>     \_\_\_\_\_     \_\_\_\_\_     \_\_\_\_\_

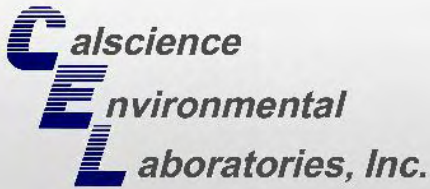
**Air:**  Tedlar®     Canister    **Other:**  \_\_\_\_\_    **Trip Blank Lot#:** \_\_\_\_\_    **Labeled/Checked by:** 862

**Container:** C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope    **Reviewed by:** 778

**Preservative:** h: HCL n: HNO<sub>3</sub> na<sub>2</sub>:Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> na: NaOH p: H<sub>3</sub>PO<sub>4</sub> s: H<sub>2</sub>SO<sub>4</sub> u: Ultra-pure z<sub>nna</sub>: ZnAc<sub>2</sub>+NaOH f: Filtered    **Scanned by:** 778

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# CALSCIENCE

**WORK ORDER NUMBER: 13-10-0772**

*The difference is service*



AIR | SOIL | WATER | MARINE CHEMISTRY

### Analytical Report For

**Client:** Parsons Government Services, Inc.

**Client Project Name:** DFSP Norwalk

**Attention:** Mary Lucas  
100 West Walnut Street  
Pasadena, CA 91124-0002

Approved for release on 10/18/2013 by:  
Ranjit Clarke  
Project Manager

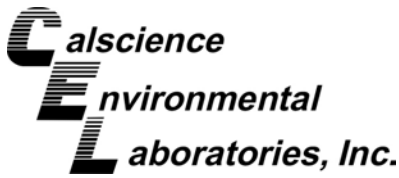
ResultLink ▶

Email your PM ▶



Calscience Environmental Laboratories, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

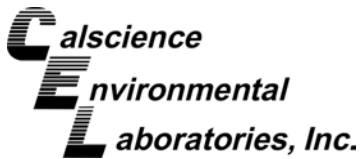




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Work Order Number: 13-10-0772

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## Work Order Narrative

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Work Order: 13-10-0772

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### **Condition Upon Receipt:**

Samples were received under Chain of Custody (COC) on 10/10/13. They were assigned to Work Order 13-10-0772.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

### **Holding Times:**

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of  $\leq 15$  minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

### **Quality Control:**

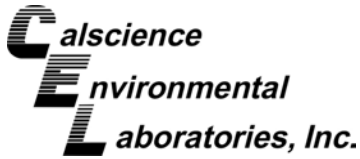
All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

### **Additional Comments:**

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

### **Subcontractor Information:**

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 3510C  
Method: EPA 8015B (M)  
Units: ug/L

Project: DFSP Norwalk

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GW-16	13-10-0772-2-G	10/09/13 08:01	Aqueous	GC 47	10/11/13	10/14/13 19:58	131011B17

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	1300	100	1	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	130	68-140	

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	10000	100	1	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	88	68-140	

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	4200	100	1	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	89	68-140	

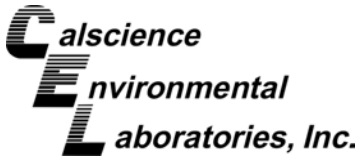
Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	4200	100	1	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	89	68-140	

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	2300	100	1	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	82	68-140	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/10/13  
 Work Order: 13-10-0772  
 Preparation: EPA 3510C  
 Method: EPA 8015B (M)  
 Units: ug/L

Project: DFSP Norwalk

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>GMW-60 DUP</b>	<b>13-10-0772-7-G</b>	<b>10/09/13 00:00</b>	<b>Aqueous</b>	<b>GC 47</b>	<b>10/11/13</b>	<b>10/12/13 05:24</b>	<b>131011B17</b>

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	2500	100	1	HD
Surrogate	Rec. (%)	Control Limits	Qualifiers	
n-Octacosane	102	68-140		

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	3100	100	1	HD
Surrogate	Rec. (%)	Control Limits	Qualifiers	
n-Octacosane	87	68-140		

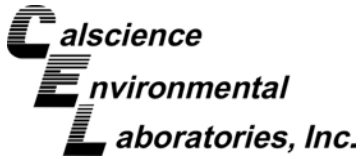
Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	3400	100	1	HD
Surrogate	Rec. (%)	Control Limits	Qualifiers	
n-Octacosane	86	68-140		

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	3100	500	5	HD
Surrogate	Rec. (%)	Control Limits	Qualifiers	
n-Octacosane	87	68-140		

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	100	1	
Surrogate	Rec. (%)	Control Limits	Qualifiers	
n-Octacosane	92	68-140		

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 3510C  
Method: EPA 8015B (M)  
Units: ug/L

Project: DFSP Norwalk

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GW-14	13-10-0772-12-G	10/09/13 13:01	Aqueous	GC 47	10/11/13	10/12/13 06:52	131011B17

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	3400	100	1	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	82	68-140	

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	3200	100	1	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	72	68-140	

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	190	100	1	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	91	68-140	

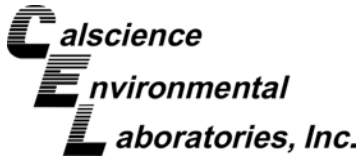
Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	32000	500	5	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	110	68-140	

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	120	100	1	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	86	68-140	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 3510C  
Method: EPA 8015B (M)  
Units: ug/L

Project: DFSP Norwalk

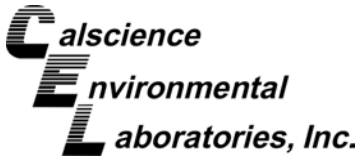
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>Method Blank</b>	<b>099-15-282-138</b>	<b>N/A</b>	<b>Aqueous</b>	<b>GC 47</b>	<b>10/11/13</b>	<b>10/12/13 01:17</b>	<b>131011B17</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
TPH as Diesel	ND	100	1	
<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>	
n-Octacosane	74	68-140		

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/10/13  
 Work Order: 13-10-0772  
 Preparation: EPA 5030C  
 Method: EPA 8015B (M)  
 Units: ug/L

Project: DFSP Norwalk

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GW-16	13-10-0772-2-E	10/09/13 08:01	Aqueous	GC 25	10/11/13	10/11/13 12:21	131011B01

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	100	1	
Surrogate	Rec. (%)	Control Limits	Qualifiers	
1,4-Bromofluorobenzene	73	38-134		

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	2100	100	1	
Surrogate	Rec. (%)	Control Limits	Qualifiers	
1,4-Bromofluorobenzene	206	38-134	2,7	

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	680	100	1	HD
Surrogate	Rec. (%)	Control Limits	Qualifiers	
1,4-Bromofluorobenzene	89	38-134		

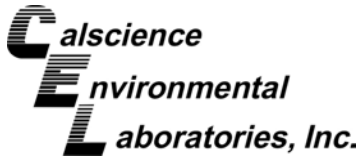
Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	670	100	1	HD
Surrogate	Rec. (%)	Control Limits	Qualifiers	
1,4-Bromofluorobenzene	88	38-134		

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	920	100	1	HD
Surrogate	Rec. (%)	Control Limits	Qualifiers	
1,4-Bromofluorobenzene	128	38-134		

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8015B (M)  
Units: ug/L

Project: DFSP Norwalk

Page 2 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>GMW-60 DUP</b>	<b>13-10-0772-7-E</b>	<b>10/09/13 00:00</b>	<b>Aqueous</b>	<b>GC 25</b>	<b>10/11/13</b>	<b>10/11/13 18:04</b>	<b>131011B01</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
TPH as Gasoline	880	100	1	HD

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	120	38-134	

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
TPH as Gasoline	1400	100	1	HD

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	153	38-134	2,7

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
TPH as Gasoline	1500	100	1	HD

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	165	38-134	2,7

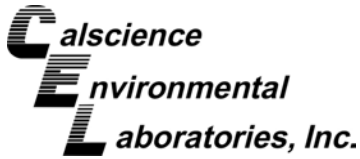
<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
TPH as Gasoline	1200	100	1	HD

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	134	38-134	

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
TPH as Gasoline	ND	100	1	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	76	38-134	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8015B (M)  
Units: ug/L

Project: DFSP Norwalk

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GW-14	13-10-0772-12-E	10/09/13 13:01	Aqueous	GC 25	10/11/13	10/11/13 21:29	131011B01

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	1600	100	1	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	150	38-134	2,7

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	1600	100	1	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	156	38-134	2,7

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	100	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	75	38-134	

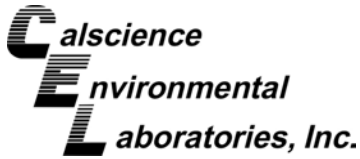
Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	18000	1000	10	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	101	38-134	

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	100	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	77	38-134	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8015B (M)  
Units: ug/L

Project: DFSP Norwalk

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>Method Blank</b>	<b>099-15-704-551</b>	<b>N/A</b>	<b>Aqueous</b>	<b>GC 25</b>	<b>10/11/13</b>	<b>10/11/13 11:14</b>	<b>131011B01</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
TPH as Gasoline	ND	100	1	

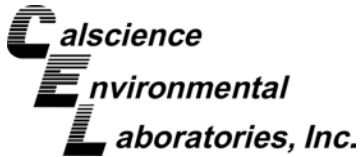
<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	78	38-134	

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
TPH as Gasoline	ND	100	1	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	73	38-134	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

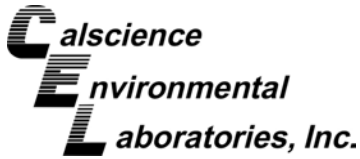
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
TB-10/09/13	13-10-0772-1-A	10/09/13 07:00	Aqueous	GC/MS QQ	10/11/13	10/11/13 19:14	131011L01

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

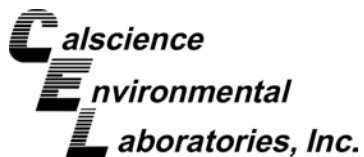
Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

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## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

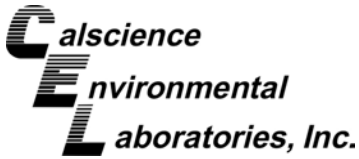
Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	94	80-126	
1,2-Dichloroethane-d4	91	80-134	
Toluene-d8	99	80-120	

Return to Contents

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## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

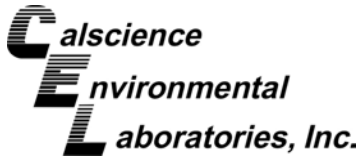
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GW-16	13-10-0772-2-A	10/09/13 08:01	Aqueous	GC/MS QQ	10/11/13	10/11/13 19:40	131011L01

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	1.0	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

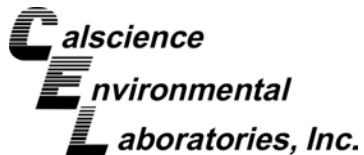
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Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	1.8	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	0.18	1.0	0.17	1	J
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.





## Analytical Report

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/10/13  
 Work Order: 13-10-0772  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

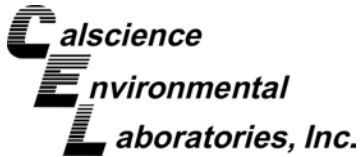
Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	93	80-126	
1,2-Dichloroethane-d4	88	80-134	
Toluene-d8	101	80-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

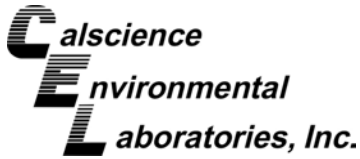
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZ-3	13-10-0772-3-A	10/09/13 08:51	Aqueous	GC/MS QQ	10/11/13	10/11/13 20:06	131011L01

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	53	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	6.6	1.0	0.23	1	
sec-Butylbenzene	6.8	1.0	0.25	1	
tert-Butylbenzene	1.7	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

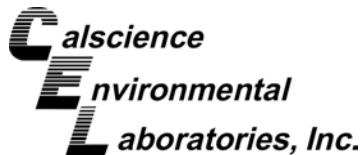
Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	44	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	36	1.0	0.58	1	
p-Isopropyltoluene	8.5	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	45	10	2.5	1	
n-Propylbenzene	26	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	0.25	0.50	0.24	1	J
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	84	1.0	0.36	1	
1,3,5-Trimethylbenzene	70	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	93	0.50	0.24	1	
o-Xylene	2.3	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	1.6	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

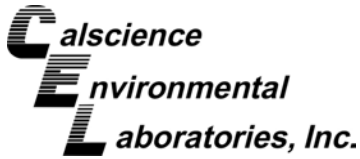
Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	100	80-120	
Dibromofluoromethane	95	80-126	
1,2-Dichloroethane-d4	90	80-134	
Toluene-d8	108	80-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

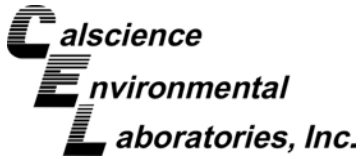
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-17	13-10-0772-4-A	10/09/13 09:34	Aqueous	GC/MS QQ	10/11/13	10/11/13 20:32	131011L01

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	21	20	10	1	
Benzene	16	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	0.41	1.0	0.25	1	J
tert-Butylbenzene	0.33	1.0	0.28	1	J
Carbon Disulfide	0.53	10	0.41	1	J
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

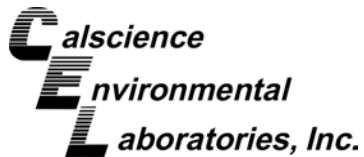
Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	1.7	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	2.8	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	3.8	10	2.5	1	J
n-Propylbenzene	1.6	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	1.2	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	1.9	1.0	0.36	1	
1,3,5-Trimethylbenzene	5.2	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	11	0.50	0.24	1	
o-Xylene	0.62	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	0.48	0.50	0.31	1	J
Tert-Butyl Alcohol (TBA)	30	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/10/13  
 Work Order: 13-10-0772  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

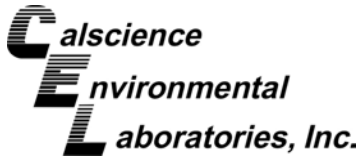
Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	99	80-120	
Dibromofluoromethane	91	80-126	
1,2-Dichloroethane-d4	87	80-134	
Toluene-d8	102	80-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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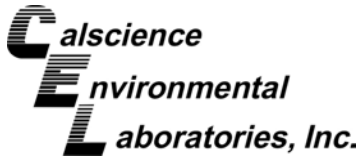
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-17 DUP	13-10-0772-5-A	10/09/13 00:00	Aqueous	GC/MS QQ	10/11/13	10/11/13 20:58	131011L01

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	20	20	10	1	
Benzene	16	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	0.44	1.0	0.25	1	J
tert-Butylbenzene	0.33	1.0	0.28	1	J
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.





## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

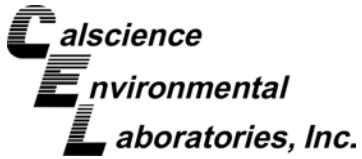
Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	1.6	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	2.8	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	3.4	10	2.5	1	J
n-Propylbenzene	1.7	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	1.2	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	1.7	1.0	0.36	1	
1,3,5-Trimethylbenzene	4.8	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	11	0.50	0.24	1	
o-Xylene	0.61	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	0.46	0.50	0.31	1	J
Tert-Butyl Alcohol (TBA)	28	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/10/13  
 Work Order: 13-10-0772  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

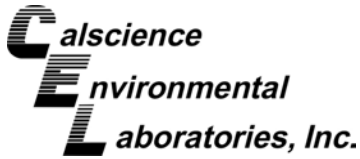
Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	93	80-126	
1,2-Dichloroethane-d4	87	80-134	
Toluene-d8	99	80-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

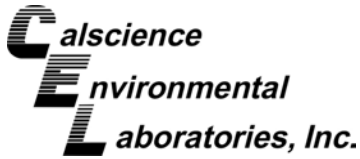
Page 16 of 60

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-60	13-10-0772-6-A	10/09/13 10:11	Aqueous	GC/MS QQ	10/11/13	10/12/13 02:38	131011L04

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	20	20	10	1	
Benzene	25	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	0.50	1.0	0.23	1	J
sec-Butylbenzene	1.4	1.0	0.25	1	
tert-Butylbenzene	0.28	1.0	0.28	1	J
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

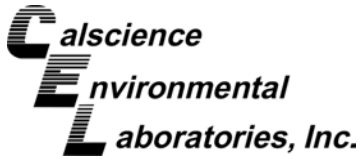
Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	0.70	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	12	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	13	10	2.5	1	
n-Propylbenzene	10	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	0.31	0.50	0.24	1	J
o-Xylene	0.28	0.50	0.23	1	J
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	800	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/10/13  
 Work Order: 13-10-0772  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

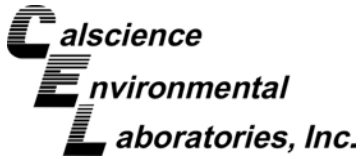
Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	94	80-126	
1,2-Dichloroethane-d4	92	80-134	
Toluene-d8	102	80-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

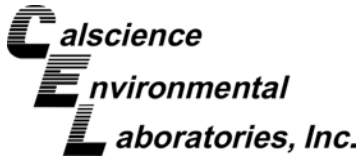
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-60 DUP	13-10-0772-7-A	10/09/13 00:00	Aqueous	GC/MS QQ	10/11/13	10/12/13 03:05	131011L04

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	42	20	10	1	
Benzene	30	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	0.58	1.0	0.23	1	J
sec-Butylbenzene	1.7	1.0	0.25	1	
tert-Butylbenzene	0.40	1.0	0.28	1	J
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

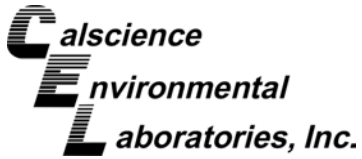
Project: DFSP Norwalk

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Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	0.94	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	16	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	17	10	2.5	1	
n-Propylbenzene	13	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	0.36	0.50	0.24	1	J
o-Xylene	0.33	0.50	0.23	1	J
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	880	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

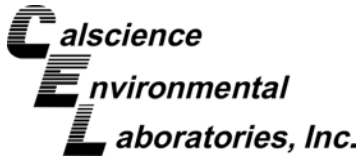
Date Received: 10/10/13  
 Work Order: 13-10-0772  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	94	80-126	
1,2-Dichloroethane-d4	90	80-134	
Toluene-d8	102	80-120	





## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

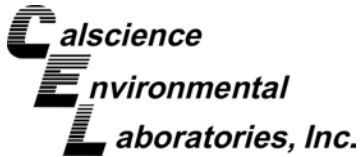
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-59	13-10-0772-8-A	10/09/13 10:54	Aqueous	GC/MS QQ	10/11/13	10/12/13 03:31	131011L04

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	0.57	1.0	0.23	1	J
sec-Butylbenzene	1.7	1.0	0.25	1	
tert-Butylbenzene	0.48	1.0	0.28	1	J
Carbon Disulfide	0.43	10	0.41	1	J
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	2.1	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	
2,2-Dichloropropane	ND	1.0	0.36	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

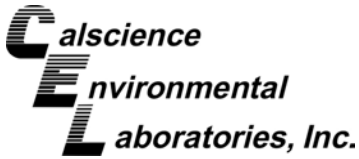
Project: DFSP Norwalk

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	0.76	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	23	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	17	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	0.30	0.50	0.23	1	J
Methyl-t-Butyl Ether (MTBE)	5.1	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/10/13  
 Work Order: 13-10-0772  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Dibromofluoromethane	92	80-126	
1,2-Dichloroethane-d4	89	80-134	
Toluene-d8	101	80-120	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
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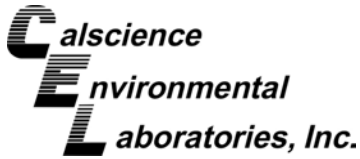
Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
Benzene	240	2.5	0.71	5	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	94	80-126	
1,2-Dichloroethane-d4	91	80-134	
Toluene-d8	100	80-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

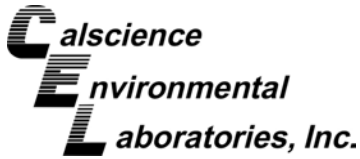
Page 25 of 60

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-59 DUP	13-10-0772-9-A	10/09/13 00:00	Aqueous	GC/MS QQ	10/11/13	10/12/13 04:23	131011L04

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	1.1	1.0	0.23	1	
sec-Butylbenzene	2.9	1.0	0.25	1	
tert-Butylbenzene	0.73	1.0	0.28	1	J
Carbon Disulfide	0.43	10	0.41	1	J
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	2.5	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	
2,2-Dichloropropane	ND	1.0	0.36	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

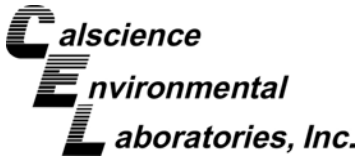
Project: DFSP Norwalk

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	1.0	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	34	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	27	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	0.27	0.50	0.24	1	J
o-Xylene	0.42	0.50	0.23	1	J
Methyl-t-Butyl Ether (MTBE)	6.1	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/10/13  
 Work Order: 13-10-0772  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Dibromofluoromethane	93	80-126	
1,2-Dichloroethane-d4	89	80-134	
Toluene-d8	102	80-120	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
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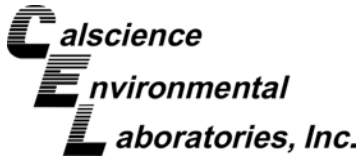
Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
Benzene	270	2.5	0.71	5	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	91	80-126	
1,2-Dichloroethane-d4	87	80-134	
Toluene-d8	99	80-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

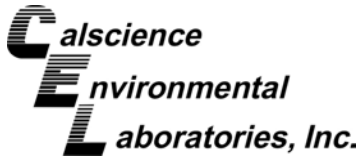
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-48	13-10-0772-10-A	10/09/13 11:39	Aqueous	GC/MS QQ	10/11/13	10/12/13 05:16	131011L04

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	1.4	1.0	0.23	1	
sec-Butylbenzene	3.4	1.0	0.25	1	
tert-Butylbenzene	0.89	1.0	0.28	1	J
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	0.34	1.0	0.28	1	J
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	5.7	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	
2,2-Dichloropropane	ND	1.0	0.36	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

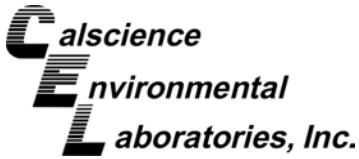
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Parameter	Result	RL	MDL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	1.3	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	32	1.0	0.58	1	
p-Isopropyltoluene	0.17	1.0	0.16	1	J
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	22	10	2.5	1	
n-Propylbenzene	29	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	0.49	0.50	0.24	1	J
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	0.57	1.0	0.36	1	J
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	0.98	0.50	0.24	1	
o-Xylene	0.50	0.50	0.23	1	J
Methyl-t-Butyl Ether (MTBE)	0.78	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	32	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.





## Analytical Report

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/10/13  
 Work Order: 13-10-0772  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Dibromofluoromethane	92	80-126	
1,2-Dichloroethane-d4	86	80-134	
Toluene-d8	99	80-120	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
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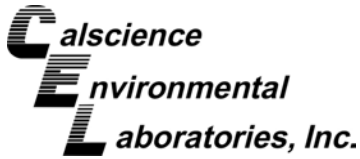
Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
Benzene	450	2.5	0.71	5	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	99	80-126	
1,2-Dichloroethane-d4	96	80-134	
Toluene-d8	101	80-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

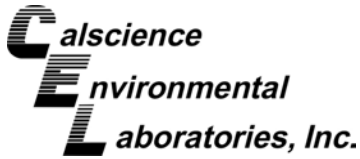
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GW-13	13-10-0772-11-A	10/09/13 12:21	Aqueous	GC/MS QQ	10/11/13	10/12/13 01:46	131011L04

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	2.4	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

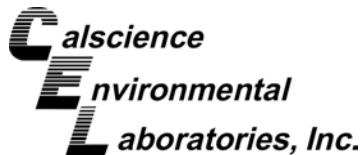
Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	0.92	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

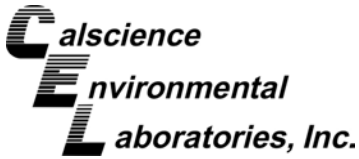
Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	94	80-126	
1,2-Dichloroethane-d4	91	80-134	
Toluene-d8	100	80-120	

Return to Contents 

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

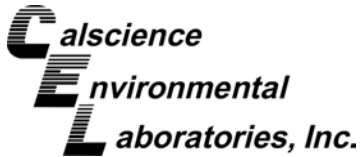
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GW-14	13-10-0772-12-A	10/09/13 13:01	Aqueous	GC/MS QQ	10/11/13	10/12/13 05:42	131011L04

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	48	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	1.0	1.0	0.23	1	
sec-Butylbenzene	5.3	1.0	0.25	1	
tert-Butylbenzene	1.8	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	1.1	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

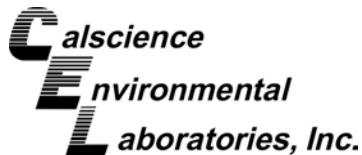
Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	7.3	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	22	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	20	10	2.5	1	
n-Propylbenzene	21	1.0	0.17	1	
Styrene	0.21	1.0	0.17	1	J
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	0.44	1.0	0.37	1	J
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	8.7	1.0	0.36	1	
1,3,5-Trimethylbenzene	0.40	1.0	0.28	1	J
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	0.75	0.50	0.24	1	
o-Xylene	0.40	0.50	0.23	1	J
Methyl-t-Butyl Ether (MTBE)	15	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/10/13  
 Work Order: 13-10-0772  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

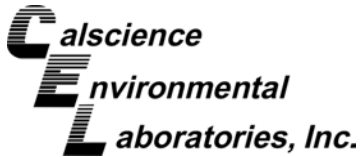
Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	91	80-126	
1,2-Dichloroethane-d4	88	80-134	
Toluene-d8	102	80-120	



RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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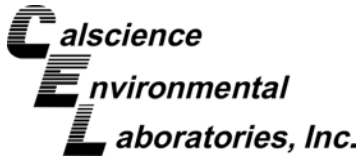
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GW-14 DUP	13-10-0772-13-A	10/09/13 00:00	Aqueous	GC/MS QQ	10/11/13	10/12/13 06:08	131011L04

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	48	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	0.97	1.0	0.23	1	J
sec-Butylbenzene	5.2	1.0	0.25	1	
tert-Butylbenzene	1.9	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	1.1	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.





## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

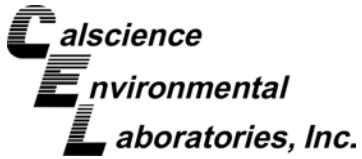
Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	6.9	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	22	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	21	10	2.5	1	
n-Propylbenzene	21	1.0	0.17	1	
Styrene	0.18	1.0	0.17	1	J
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	0.43	1.0	0.37	1	J
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	8.2	1.0	0.36	1	
1,3,5-Trimethylbenzene	0.35	1.0	0.28	1	J
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	0.63	0.50	0.24	1	
o-Xylene	0.38	0.50	0.23	1	J
Methyl-t-Butyl Ether (MTBE)	15	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

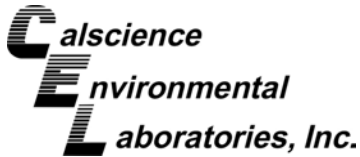
Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/10/13  
 Work Order: 13-10-0772  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	92	80-126	
1,2-Dichloroethane-d4	87	80-134	
Toluene-d8	104	80-120	



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

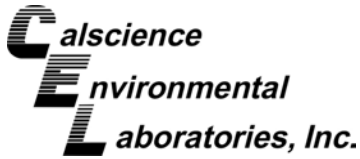
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GW-8	13-10-0772-14-A	10/09/13 13:55	Aqueous	GC/MS QQ	10/11/13	10/11/13 23:35	131011L04

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

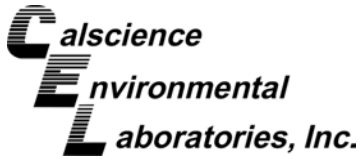
Project: DFSP Norwalk

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/10/13  
 Work Order: 13-10-0772  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

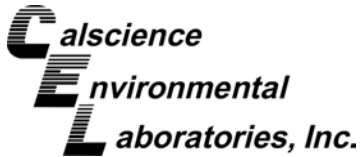
Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	92	80-126	
1,2-Dichloroethane-d4	90	80-134	
Toluene-d8	98	80-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

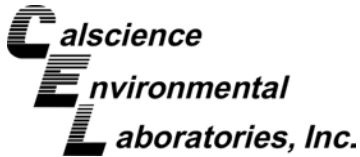
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
TF-17	13-10-0772-15-B	10/09/13 14:42	Aqueous	GC/MS LL	10/17/13	10/17/13 15:38	131017L01

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	100	50	5	
Benzene	33	2.5	0.71	5	
Bromobenzene	ND	5.0	1.5	5	
Bromochloromethane	ND	5.0	2.4	5	
Bromodichloromethane	ND	5.0	1.0	5	
Bromoform	ND	5.0	2.5	5	
Bromomethane	ND	25	19	5	
2-Butanone	ND	50	11	5	
n-Butylbenzene	ND	5.0	1.1	5	
sec-Butylbenzene	3.7	5.0	1.2	5	J
tert-Butylbenzene	2.5	5.0	1.4	5	J
Carbon Disulfide	ND	50	2.0	5	
Carbon Tetrachloride	ND	2.5	1.1	5	
Chlorobenzene	ND	5.0	0.86	5	
Chloroethane	ND	25	11	5	
Chloroform	ND	5.0	2.3	5	
Chloromethane	ND	25	8.8	5	
2-Chlorotoluene	ND	5.0	1.2	5	
4-Chlorotoluene	ND	5.0	0.66	5	
Dibromochloromethane	ND	5.0	1.2	5	
1,2-Dibromo-3-Chloropropane	ND	25	6.2	5	
1,2-Dibromoethane	ND	5.0	1.8	5	
Dibromomethane	ND	5.0	2.3	5	
1,2-Dichlorobenzene	ND	5.0	2.3	5	
1,3-Dichlorobenzene	ND	5.0	2.0	5	
1,4-Dichlorobenzene	ND	5.0	2.2	5	
Dichlorodifluoromethane	ND	5.0	2.3	5	
1,1-Dichloroethane	ND	5.0	1.4	5	
1,2-Dichloroethane	ND	2.5	1.2	5	
1,1-Dichloroethene	ND	5.0	2.2	5	
c-1,2-Dichloroethene	ND	5.0	2.4	5	
t-1,2-Dichloroethene	ND	5.0	1.8	5	
1,2-Dichloropropane	ND	5.0	2.1	5	
1,3-Dichloropropane	ND	5.0	1.5	5	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

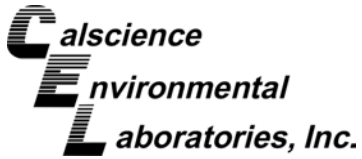
Project: DFSP Norwalk

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Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	1.8	5	
1,1-Dichloropropene	ND	5.0	2.3	5	
c-1,3-Dichloropropene	ND	2.5	1.2	5	
t-1,3-Dichloropropene	ND	2.5	1.3	5	
Ethylbenzene	ND	2.5	0.69	5	
2-Hexanone	ND	50	10	5	
Isopropylbenzene	8.3	5.0	2.9	5	
p-Isopropyltoluene	ND	5.0	0.79	5	
Methylene Chloride	ND	25	3.2	5	
4-Methyl-2-Pentanone	ND	50	22	5	
Naphthalene	17	50	12	5	J
n-Propylbenzene	4.5	5.0	0.86	5	J
Styrene	ND	5.0	0.86	5	
1,1,1,2-Tetrachloroethane	ND	5.0	2.0	5	
1,1,2,2-Tetrachloroethane	ND	5.0	2.0	5	
Tetrachloroethene	ND	5.0	1.9	5	
Toluene	ND	2.5	1.2	5	
1,2,3-Trichlorobenzene	ND	5.0	2.5	5	
1,2,4-Trichlorobenzene	ND	5.0	2.5	5	
1,1,1-Trichloroethane	ND	5.0	1.5	5	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	3.9	5	
1,1,2-Trichloroethane	ND	5.0	1.9	5	
Trichloroethene	ND	5.0	1.8	5	
Trichlorofluoromethane	ND	50	8.3	5	
1,2,3-Trichloropropane	ND	25	3.2	5	
1,2,4-Trimethylbenzene	ND	5.0	1.8	5	
1,3,5-Trimethylbenzene	ND	5.0	1.4	5	
Vinyl Acetate	ND	50	14	5	
Vinyl Chloride	ND	2.5	1.5	5	
p/m-Xylene	ND	2.5	1.2	5	
o-Xylene	ND	2.5	1.1	5	
Methyl-t-Butyl Ether (MTBE)	ND	2.5	1.5	5	
Tert-Butyl Alcohol (TBA)	ND	50	23	5	
Diisopropyl Ether (DIPE)	ND	10	1.7	5	
Ethyl-t-Butyl Ether (ETBE)	ND	10	2.2	5	
Tert-Amyl-Methyl Ether (TAME)	ND	10	1.1	5	
Ethanol	ND	500	250	5	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/10/13  
 Work Order: 13-10-0772  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

Project: DFSP Norwalk

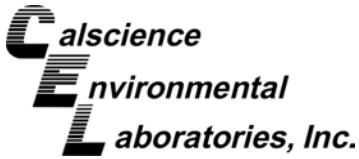
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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	108	80-126	
1,2-Dichloroethane-d4	106	80-134	
Toluene-d8	110	80-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.





## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

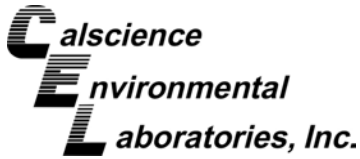
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EB-10/09/13	13-10-0772-16-A	10/09/13 14:15	Aqueous	GC/MS QQ	10/11/13	10/12/13 01:20	131011L04

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

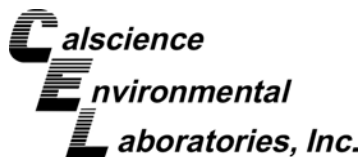
Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/10/13  
 Work Order: 13-10-0772  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

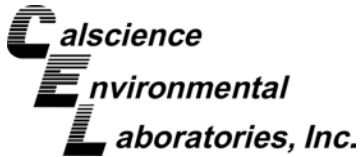
Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	93	80-126	
1,2-Dichloroethane-d4	89	80-134	
Toluene-d8	98	80-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

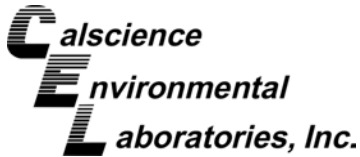
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-42	13-10-0772-17-A	10/09/13 15:27	Aqueous	GC/MS QQ	10/11/13	10/12/13 02:12	131011L04

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

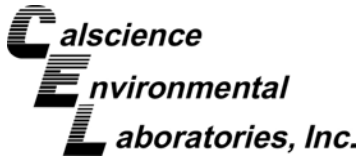
Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/10/13  
 Work Order: 13-10-0772  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

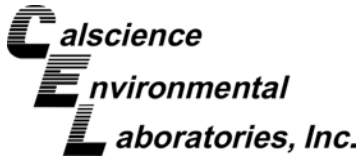
Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	97	80-126	
1,2-Dichloroethane-d4	94	80-134	
Toluene-d8	99	80-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

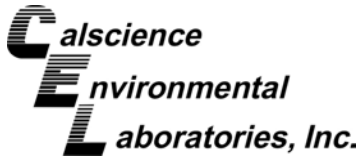
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-001-12102	N/A	Aqueous	GC/MS QQ	10/11/13	10/11/13 11:11	131011L01

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

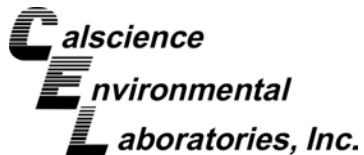
Project: DFSP Norwalk

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.





## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

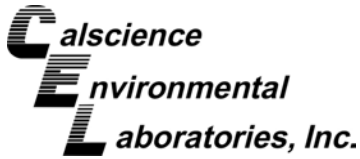
Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	94	80-126	
1,2-Dichloroethane-d4	91	80-134	
Toluene-d8	100	80-120	

Return to Contents 

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

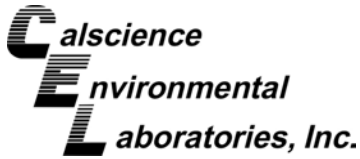
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-001-12114	N/A	Aqueous	GC/MS QQ	10/11/13	10/11/13 23:09	131011L04

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

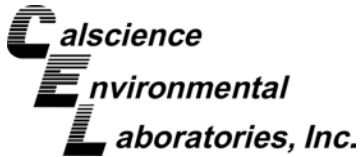
Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	94	80-126	
1,2-Dichloroethane-d4	89	80-134	
Toluene-d8	100	80-120	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
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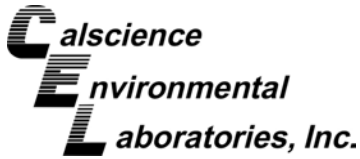
Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
Benzene	ND	0.50	0.14	1	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	87	80-120	
Dibromofluoromethane	116	80-126	
1,2-Dichloroethane-d4	112	80-134	
Toluene-d8	100	80-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

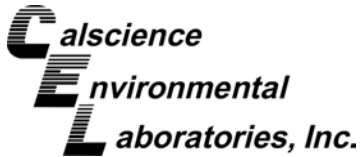
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-001-12138	N/A	Aqueous	GC/MS LL	10/17/13	10/17/13 14:44	131017L01

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

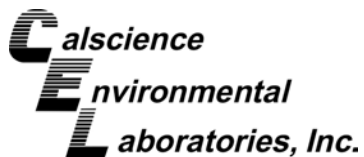
Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/10/13  
 Work Order: 13-10-0772  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

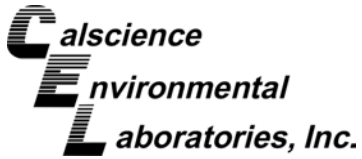
Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	83	80-120	
Dibromofluoromethane	108	80-126	
1,2-Dichloroethane-d4	99	80-134	
Toluene-d8	93	80-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Quality Control - Spike/Spike Duplicate

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

Project: DFSP Norwalk

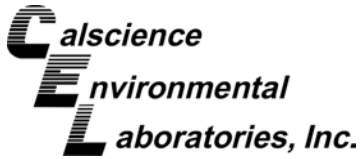
Page 1 of 6

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number					
<b>GW-16</b>	<b>Aqueous</b>	<b>GC 25</b>	<b>10/11/13</b>	<b>10/11/13 12:55</b>	<b>131011S01</b>					
<u>Parameter</u>	<u>Sample Conc.</u>	<u>Spike Added</u>	<u>MS Conc.</u>	<u>MS %Rec.</u>	<u>MSD Conc.</u>	<u>MSD %Rec.</u>	<u>%Rec. CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Gasoline	ND	2000	1939	97	1928	96	68-122	1	0-18	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits





## Quality Control - Spike/Spike Duplicate

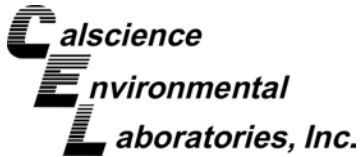
Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

Project: DFSP Norwalk

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Quality Control Sample ID	Matrix		Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
<b>13-10-0804-4</b>	<b>Aqueous</b>		<b>GC 42</b>	<b>10/14/13</b>	<b>10/14/13 13:08</b>	<b>131014S01</b>				
<u>Parameter</u>	<u>Sample Conc.</u>	<u>Spike Added</u>	<u>MS Conc.</u>	<u>MS %Rec.</u>	<u>MSD Conc.</u>	<u>MSD %Rec.</u>	<u>%Rec. CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Gasoline	ND	2000	1824	91	1803	90	68-122	1	0-18	



## Quality Control - Spike/Spike Duplicate

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B

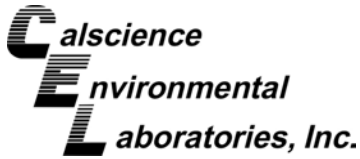
Project: DFSP Norwalk

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Quality Control Sample ID	Matrix		Instrument		Date Prepared	Date Analyzed	MS/MSD Batch Number			
<b>13-10-0904-4</b>	<b>Aqueous</b>		<b>GC/MS LL</b>		<b>10/16/13</b>	<b>10/16/13 12:43</b>	<b>131016S01</b>			
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	55.70	111	47.28	95	78-120	16	0-20	
Carbon Tetrachloride	6.374	50.00	68.56	124	57.82	103	67-139	17	0-20	
Chlorobenzene	ND	50.00	51.77	104	45.11	90	80-120	14	0-20	
1,2-Dibromoethane	ND	50.00	51.93	104	45.55	91	80-123	13	0-20	
1,2-Dichlorobenzene	ND	50.00	49.05	98	43.29	87	76-120	12	0-20	
1,2-Dichloroethane	ND	50.00	56.15	112	47.40	95	76-130	17	0-20	
1,1-Dichloroethene	ND	50.00	45.88	92	39.93	80	70-130	14	0-27	
Ethylbenzene	ND	50.00	54.03	108	46.64	93	73-127	15	0-20	
Toluene	ND	50.00	55.96	112	48.60	97	72-126	14	0-20	
Trichloroethene	33.72	50.00	86.06	105	71.45	75	74-122	19	0-20	
Vinyl Chloride	ND	50.00	45.75	92	39.12	78	65-131	16	0-24	
p/m-Xylene	ND	100.0	108.8	109	92.31	92	70-130	16	0-30	
o-Xylene	ND	50.00	50.68	101	43.44	87	70-130	15	0-30	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	43.41	87	38.09	76	69-123	13	0-20	
Tert-Butyl Alcohol (TBA)	ND	250.0	237.8	95	227.3	91	65-131	5	0-22	
Diisopropyl Ether (DIPE)	ND	50.00	47.17	94	39.49	79	68-128	18	0-22	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	43.27	87	37.66	75	69-123	14	0-21	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	48.91	98	42.20	84	70-124	15	0-20	
Ethanol	ND	500.0	526.5	105	445.7	89	41-155	17	0-35	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



## Quality Control - Spike/Spike Duplicate

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B

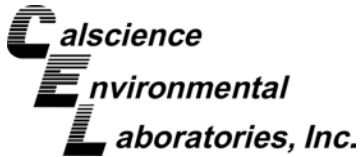
Project: DFSP Norwalk

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Quality Control Sample ID	Matrix		Instrument		Date Prepared	Date Analyzed	MS/MSD Batch Number			
<b>13-10-0827-2</b>	<b>Aqueous</b>		<b>GC/MS LL</b>		<b>10/17/13</b>	<b>10/17/13 16:06</b>	<b>131017S01</b>			
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	45.46	91	45.28	91	78-120	0	0-20	
Carbon Tetrachloride	ND	50.00	51.27	103	52.63	105	67-139	3	0-20	
Chlorobenzene	ND	50.00	49.05	98	50.76	102	80-120	3	0-20	
1,2-Dibromoethane	ND	50.00	50.13	100	52.12	104	80-123	4	0-20	
1,2-Dichlorobenzene	ND	50.00	48.19	96	50.26	101	76-120	4	0-20	
1,2-Dichloroethane	ND	50.00	47.53	95	47.62	95	76-130	0	0-20	
1,1-Dichloroethene	ND	50.00	42.63	85	42.63	85	70-130	0	0-27	
Ethylbenzene	ND	50.00	48.76	98	50.32	101	73-127	3	0-20	
Toluene	ND	50.00	49.00	98	50.38	101	72-126	3	0-20	
Trichloroethene	2.125	50.00	51.24	98	52.33	100	74-122	2	0-20	
Vinyl Chloride	ND	50.00	39.68	79	42.15	84	65-131	6	0-24	
p/m-Xylene	ND	100.0	94.55	95	97.86	98	70-130	3	0-30	
o-Xylene	ND	50.00	45.45	91	46.57	93	70-130	2	0-30	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	40.32	81	40.55	81	69-123	1	0-20	
Tert-Butyl Alcohol (TBA)	10.09	250.0	229.1	88	249.5	96	65-131	9	0-22	
Diisopropyl Ether (DIPE)	ND	50.00	44.12	88	40.66	81	68-128	8	0-22	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	44.61	89	42.30	85	69-123	5	0-21	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	44.22	88	44.51	89	70-124	1	0-20	
Ethanol	ND	500.0	442.6	89	480.7	96	41-155	8	0-35	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



## Quality Control - Spike/Spike Duplicate

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B

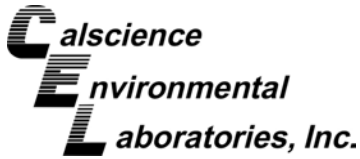
Project: DFSP Norwalk

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Quality Control Sample ID	Matrix		Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
<b>13-10-0713-16</b>	<b>Aqueous</b>		<b>GC/MS QQ</b>	<b>10/11/13</b>	<b>10/11/13 12:41</b>	<b>131011S01</b>				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	50.76	102	49.30	99	78-120	3	0-20	
Carbon Tetrachloride	ND	50.00	42.61	85	41.12	82	67-139	4	0-20	
Chlorobenzene	ND	50.00	49.24	98	48.05	96	80-120	2	0-20	
1,2-Dibromoethane	ND	50.00	48.24	96	47.62	95	80-123	1	0-20	
1,2-Dichlorobenzene	ND	50.00	47.97	96	48.20	96	76-120	0	0-20	
1,2-Dichloroethane	ND	50.00	46.22	92	45.69	91	76-130	1	0-20	
1,1-Dichloroethene	ND	50.00	50.92	102	48.65	97	70-130	5	0-27	
Ethylbenzene	ND	50.00	53.07	106	51.01	102	73-127	4	0-20	
Toluene	ND	50.00	51.48	103	51.21	102	72-126	1	0-20	
Trichloroethene	ND	50.00	48.14	96	48.63	97	74-122	1	0-20	
Vinyl Chloride	ND	50.00	47.48	95	46.39	93	65-131	2	0-24	
p/m-Xylene	ND	100.0	102.9	103	100.6	101	70-130	2	0-30	
o-Xylene	ND	50.00	47.38	95	45.46	91	70-130	4	0-30	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	48.21	96	47.02	94	69-123	2	0-20	
Tert-Butyl Alcohol (TBA)	ND	250.0	239.4	96	264.8	106	65-131	10	0-22	
Diisopropyl Ether (DIPE)	ND	50.00	43.22	86	41.06	82	68-128	5	0-22	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	45.38	91	44.04	88	69-123	3	0-21	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	51.00	102	49.71	99	70-124	3	0-20	
Ethanol	ND	500.0	543.0	109	522.6	105	41-155	4	0-35	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



## Quality Control - Spike/Spike Duplicate

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B

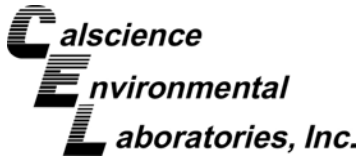
Project: DFSP Norwalk

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Quality Control Sample ID	Matrix		Instrument		Date Prepared	Date Analyzed	MS/MSD Batch Number			
<b>GW-8</b>	<b>Aqueous</b>		<b>GC/MS QQ</b>		<b>10/11/13</b>	<b>10/12/13 00:01</b>	<b>131011S02</b>			
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	46.85	94	45.83	92	78-120	2	0-20	
Carbon Tetrachloride	ND	50.00	35.30	71	35.80	72	67-139	1	0-20	
Chlorobenzene	ND	50.00	49.25	99	49.34	99	80-120	0	0-20	
1,2-Dibromoethane	ND	50.00	46.99	94	46.21	92	80-123	2	0-20	
1,2-Dichlorobenzene	ND	50.00	48.59	97	49.04	98	76-120	1	0-20	
1,2-Dichloroethane	ND	50.00	44.64	89	42.48	85	76-130	5	0-20	
1,1-Dichloroethene	ND	50.00	48.75	98	48.38	97	70-130	1	0-27	
Ethylbenzene	ND	50.00	49.23	98	49.67	99	73-127	1	0-20	
Toluene	ND	50.00	48.12	96	47.20	94	72-126	2	0-20	
Trichloroethene	ND	50.00	45.59	91	45.32	91	74-122	1	0-20	
Vinyl Chloride	ND	50.00	51.36	103	51.97	104	65-131	1	0-24	
p/m-Xylene	ND	100.0	99.39	99	99.91	100	70-130	1	0-30	
o-Xylene	ND	50.00	47.75	96	47.37	95	70-130	1	0-30	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	45.34	91	42.86	86	69-123	6	0-20	
Tert-Butyl Alcohol (TBA)	ND	250.0	219.6	88	225.3	90	65-131	3	0-22	
Diisopropyl Ether (DIPE)	ND	50.00	37.14	74	36.26	73	68-128	2	0-22	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	40.54	81	38.92	78	69-123	4	0-21	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	46.92	94	44.90	90	70-124	4	0-20	
Ethanol	ND	500.0	549.1	110	560.4	112	41-155	2	0-35	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



## Quality Control - LCS/LCSD

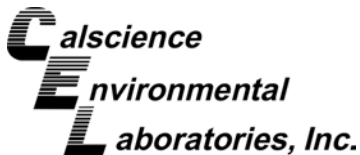
Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 3510C  
Method: EPA 8015B (M)

Project: DFSP Norwalk

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Quality Control Sample ID		Matrix		Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
<b>099-15-282-138</b>		<b>Aqueous</b>		<b>GC 47</b>	<b>10/11/13</b>	<b>10/12/13 01:35</b>	<b>131011B17</b>		
<u>Parameter</u>	<u>Spike Added</u>	<u>LCS Conc.</u>	<u>LCS %Rec.</u>	<u>LCSD Conc.</u>	<u>LCSD %Rec.</u>	<u>%Rec. CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Diesel	4000	3736	93	3687	92	75-117	1	0-13	



Quality Control - LCS

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/10/13  
 Work Order: 13-10-0772  
 Preparation: EPA 5030C  
 Method: EPA 8015B (M)

Project: DFSP Norwalk

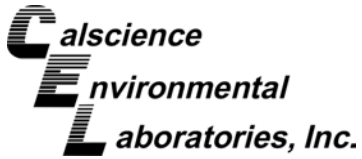
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Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
<b>099-15-704-551</b>	<b>Aqueous</b>	<b>GC 25</b>	<b>10/11/13 11:48</b>	<b>131011B01</b>

<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
TPH as Gasoline	2000	1857	93	78-120	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



## Quality Control - LCS

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

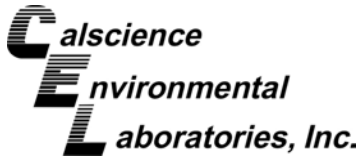
Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

Project: DFSP Norwalk

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Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number	
<b>099-15-704-553</b>	<b>Aqueous</b>	<b>GC 42</b>	<b>10/14/13 11:58</b>	<b>131014B01</b>	
<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
TPH as Gasoline	2000	1902	95	78-120	





## Quality Control - LCS

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B

Project: DFSP Norwalk

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Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number		
<b>099-14-001-12129</b>	<b>Aqueous</b>	<b>GC/MS LL</b>	<b>10/16/13 10:49</b>	<b>131016L01</b>		
Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	46.88	94	80-120	73-127	
Carbon Tetrachloride	50.00	53.42	107	66-138	54-150	
Chlorobenzene	50.00	44.74	89	80-120	73-127	
1,2-Dibromoethane	50.00	46.13	92	80-120	73-127	
1,2-Dichlorobenzene	50.00	42.17	84	80-120	73-127	
1,2-Dichloroethane	50.00	48.83	98	80-129	72-137	
1,1-Dichloroethene	50.00	39.12	78	71-131	61-141	
Ethylbenzene	50.00	46.26	93	80-123	73-130	
Toluene	50.00	45.89	92	79-121	72-128	
Trichloroethene	50.00	45.75	91	80-120	73-127	
Vinyl Chloride	50.00	38.83	78	70-136	59-147	
p/m-Xylene	100.0	92.72	93	75-125	67-133	
o-Xylene	50.00	43.81	88	75-125	67-133	
Methyl-t-Butyl Ether (MTBE)	50.00	37.51	75	72-126	63-135	
Tert-Butyl Alcohol (TBA)	250.0	190.8	76	71-125	62-134	
Diisopropyl Ether (DIPE)	50.00	40.23	80	69-129	59-139	
Ethyl-t-Butyl Ether (ETBE)	50.00	38.11	76	69-129	59-139	
Tert-Amyl-Methyl Ether (TAME)	50.00	42.58	85	67-133	56-144	
Ethanol	500.0	457.1	91	47-155	29-173	

Total number of LCS compounds: 19

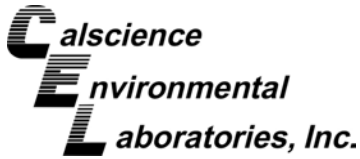
Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



## Quality Control - LCS

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B

Project: DFSP Norwalk

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Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number		
<b>099-14-001-12138</b>	<b>Aqueous</b>	<b>GC/MS LL</b>	<b>10/17/13 13:47</b>	<b>131017L01</b>		
Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	51.48	103	80-120	73-127	
Carbon Tetrachloride	50.00	58.95	118	66-138	54-150	
Chlorobenzene	50.00	52.20	104	80-120	73-127	
1,2-Dibromoethane	50.00	52.20	104	80-120	73-127	
1,2-Dichlorobenzene	50.00	51.28	103	80-120	73-127	
1,2-Dichloroethane	50.00	55.60	111	80-129	72-137	
1,1-Dichloroethene	50.00	45.29	91	71-131	61-141	
Ethylbenzene	50.00	52.29	105	80-123	73-130	
Toluene	50.00	53.68	107	79-121	72-128	
Trichloroethene	50.00	52.28	105	80-120	73-127	
Vinyl Chloride	50.00	46.83	94	70-136	59-147	
p/m-Xylene	100.0	104.9	105	75-125	67-133	
o-Xylene	50.00	49.50	99	75-125	67-133	
Methyl-t-Butyl Ether (MTBE)	50.00	39.12	78	72-126	63-135	
Tert-Butyl Alcohol (TBA)	250.0	239.4	96	71-125	62-134	
Diisopropyl Ether (DIPE)	50.00	46.31	93	69-129	59-139	
Ethyl-t-Butyl Ether (ETBE)	50.00	42.85	86	69-129	59-139	
Tert-Amyl-Methyl Ether (TAME)	50.00	46.39	93	67-133	56-144	
Ethanol	500.0	534.3	107	47-155	29-173	

Total number of LCS compounds: 19

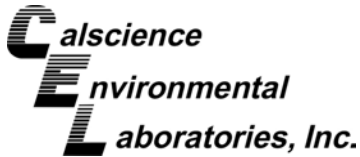
Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



## Quality Control - LCS

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B

Project: DFSP Norwalk

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Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number		
<b>099-14-001-12102</b>	<b>Aqueous</b>	<b>GC/MS QQ</b>	<b>10/11/13 10:14</b>	<b>131011L01</b>		
Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	49.81	100	80-120	73-127	
Carbon Tetrachloride	50.00	43.91	88	66-138	54-150	
Chlorobenzene	50.00	52.59	105	80-120	73-127	
1,2-Dibromoethane	50.00	50.28	101	80-120	73-127	
1,2-Dichlorobenzene	50.00	52.21	104	80-120	73-127	
1,2-Dichloroethane	50.00	46.47	93	80-129	72-137	
1,1-Dichloroethene	50.00	52.13	104	71-131	61-141	
Ethylbenzene	50.00	52.78	106	80-123	73-130	
Toluene	50.00	52.34	105	79-121	72-128	
Trichloroethene	50.00	49.90	100	80-120	73-127	
Vinyl Chloride	50.00	54.52	109	70-136	59-147	
p/m-Xylene	100.0	108.0	108	75-125	67-133	
o-Xylene	50.00	50.74	101	75-125	67-133	
Methyl-t-Butyl Ether (MTBE)	50.00	48.96	98	72-126	63-135	
Tert-Butyl Alcohol (TBA)	250.0	224.7	90	71-125	62-134	
Diisopropyl Ether (DIPE)	50.00	42.34	85	69-129	59-139	
Ethyl-t-Butyl Ether (ETBE)	50.00	44.57	89	69-129	59-139	
Tert-Amyl-Methyl Ether (TAME)	50.00	50.27	101	67-133	56-144	
Ethanol	500.0	505.1	101	47-155	29-173	

Total number of LCS compounds: 19

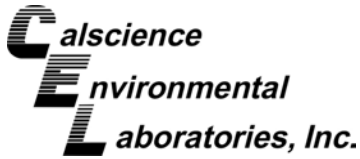
Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



## Quality Control - LCS

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0772  
Preparation: EPA 5030C  
Method: EPA 8260B

Project: DFSP Norwalk

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Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number		
<b>099-14-001-12114</b>	<b>Aqueous</b>	<b>GC/MS QQ</b>	<b>10/11/13 22:17</b>	<b>131011L04</b>		
Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	49.18	98	80-120	73-127	
Carbon Tetrachloride	50.00	37.64	75	66-138	54-150	
Chlorobenzene	50.00	52.02	104	80-120	73-127	
1,2-Dibromoethane	50.00	49.69	99	80-120	73-127	
1,2-Dichlorobenzene	50.00	51.11	102	80-120	73-127	
1,2-Dichloroethane	50.00	45.10	90	80-129	72-137	
1,1-Dichloroethene	50.00	50.84	102	71-131	61-141	
Ethylbenzene	50.00	52.24	104	80-123	73-130	
Toluene	50.00	50.06	100	79-121	72-128	
Trichloroethene	50.00	48.24	96	80-120	73-127	
Vinyl Chloride	50.00	52.73	105	70-136	59-147	
p/m-Xylene	100.0	105.7	106	75-125	67-133	
o-Xylene	50.00	50.92	102	75-125	67-133	
Methyl-t-Butyl Ether (MTBE)	50.00	46.79	94	72-126	63-135	
Tert-Butyl Alcohol (TBA)	250.0	218.8	88	71-125	62-134	
Diisopropyl Ether (DIPE)	50.00	40.29	81	69-129	59-139	
Ethyl-t-Butyl Ether (ETBE)	50.00	42.47	85	69-129	59-139	
Tert-Amyl-Methyl Ether (TAME)	50.00	48.75	97	67-133	56-144	
Ethanol	500.0	560.4	112	47-155	29-173	

Total number of LCS compounds: 19

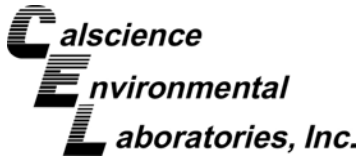
Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



## Sample Analysis Summary Report

Work Order: 13-10-0772

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<u>Method</u>	<u>Extraction</u>	<u>Chemist ID</u>	<u>Instrument</u>	<u>Analytical Location</u>
EPA 8015B (M)	EPA 3510C	682	GC 47	1
EPA 8015B (M)	EPA 5030C	797	GC 25	2
EPA 8015B (M)	EPA 5030C	797	GC 42	2
EPA 8260B	EPA 5030C	486	GC/MS LL	2
EPA 8260B	EPA 5030C	876	GC/MS QQ	2

  
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Location 1: 7440 Lincoln Way, Garden Grove, CA 92841

Location 2: 7445 Lampson Avenue, Garden Grove, CA 92841

## Glossary of Terms and Qualifiers

Work Order: 13-10-0772

Page 1 of 1

<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSO or PES/PESO associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of  $\leq 15$  minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

# BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE  
 SAN JOSE, CALIFORNIA 95112-1105  
 FAX (408) 573-7771  
 PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB: Calscience PM: Ranjit Clark  
 MUST MEET SPECIFICATIONS  
 EPA  RWQCB REGION  
 LIA  
 OTHER  
**13-10-0772**

SPECIAL INSTRUCTIONS  
 Invoice and Report to:  
 Parsons - Mary Lucas (mary.lucas@parsons.com)  
 100 W Walnut St., Pasadena, CA 91124 (626) 440-6032  
 Project # 746442

CHAIN OF CUSTODY

CLIENT: Parsons

SITE: DFSP Norwalk

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS		VOC's (including BTEX, MTBE, TBA, EPA 8260)	TPHd (8015)	TPHg (8015)					ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
			W = H2O	TOTAL												
1B-10/09/13	10-9-13	0700	w	3	3	X										1
6W-16		0801		7	7	X	X	X								2
P2-3		0851		7	7	X	X	X								3
6W-17		0934		7	7	X	X	X								4
6W-17 dup		-		7	7	X	X	X								5
6W-60		1011		7	7	X	X	X								6
6W-60 dup		-		7	7	X	X	X								7
6W-59		1054		7	7	X	X	X								8
6W-59 dup		-		7	7	X	X	X								9
6W-48		1139		7	7	X	X	X								10

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN	
	10-9-13	1530	Samuel Ramirez	Standard	
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
	10-9-13	1650	Nicole	10/9/13	1650
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Nicole	10/10/13	1148	Ranjit Clark	10/10/13	1148
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Ranjit Clark	10/10/13	1233	Ranjit Clark	10/10/13	1233
SHIPPED VIA	DATE SENT	TIME SENT	COOLER #		
					68

0772  
DHS #

# BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE  
SAN JOSE, CALIFORNIA 95112-1105  
FAX (408) 573-7771  
PHONE (408) 573-0555

## CONDUCT ANALYSIS TO DETECT

LAB: Calscience PM: Ranjit Clark  
MUST MEET SPECIFICATIONS  
 EPA  
 LIA  
 OTHER  
 RWQCB REGION

SPECIAL INSTRUCTIONS  
  
 Invoice and Report to:  
 Parsons - Mary Lucas (mary.lucas@parsons.com)  
 100 W Walnut St., Pasadena, CA 91124 (626) 440-6032  
 Project # 746442

CHAIN OF CUSTODY

CLIENT: **Parsons**

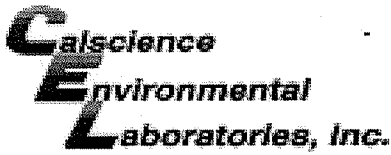
SITE: **DFSP Norwalk**

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS		VOC's (including BTEX, MTBE, TBA, EPA 8260)	TPHd (8015)	TPHg (8015)							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
			W = H2O	TOTAL														
GW-13	10-9-13	1221	w	7	was Amber	x	x	x										11
GW-14		1301		7		x	x	x										12
GW-14 dup		-		7		x	x	x										13
GW-8		1355		7		x	x	x										14
TF-17		1442		7		x	x	x										15
EB-10/9/13		1415		3	was Amber	x												16
GMW-42		1527		7	was Amber	x	x	x										17

SAMPLING COMPLETED	DATE: 10-9-13	TIME: 1530	SAMPLING PERFORMED BY: Smart/Guiree	RESULTS NEEDED NO LATER THAN: Standard	
RELEASED BY: [Signature]	DATE: 10-9-13	TIME: 1650	RECEIVED BY: Nicole	DATE: 10/9/13	TIME: 1650
RELEASED BY: Nicole	DATE: 10/10/13	TIME: 1148	RECEIVED BY: [Signature]	DATE: 10/10/13	TIME: 1148
RELEASED BY: [Signature]	DATE: 10/10/13	TIME: 1233	RECEIVED BY: [Signature]	DATE: 10/10/13	TIME: 1233
SHIPPED VIA	DATE SENT	TIME SENT	COOLER #		

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WORK ORDER #: 13-10-0772

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: PARSONS

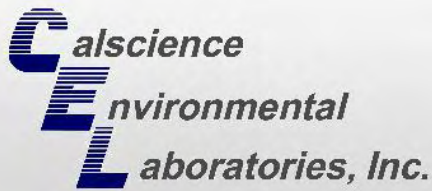
DATE: 10/10/13

TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0°C - 6.0°C, not frozen except sediment/tissue)
Temperature 3.2°C - 0.2°C (CF) = 3.0°C [X] Blank [ ] Sample
[ ] Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_).
[ ] Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.
[ ] Received at ambient temperature, placed on ice for transport by Courier.
Ambient Temperature: [ ] Air [ ] Filter Checked by: 676

CUSTODY SEALS INTACT:
[ ] Cooler [ ] \_\_\_\_\_ [ ] No (Not Intact) [X] Not Present [ ] N/A Checked by: 676
[ ] Sample [ ] \_\_\_\_\_ [ ] No (Not Intact) [X] Not Present Checked by: 802

SAMPLE CONDITION:
Chain-Of-Custody (COC) document(s) received with samples..... [X] Yes [ ] No [ ] N/A
COC document(s) received complete..... [X] Yes [ ] No [ ] N/A
[ ] Collection date/time, matrix, and/or # of containers logged in based on sample labels.
[ ] No analysis requested. [ ] Not relinquished. [ ] No date/time relinquished.
Sampler's name indicated on COC..... [X] Yes [ ] No [ ] N/A
Sample container label(s) consistent with COC..... [X] Yes [ ] No [ ] N/A
Sample container(s) intact and good condition..... [X] Yes [ ] No [ ] N/A
Proper containers and sufficient volume for analyses requested..... [X] Yes [ ] No [ ] N/A
Analyses received within holding time..... [X] Yes [ ] No [ ] N/A
Aqueous samples received within 15-minute holding time
[ ] pH [ ] Residual Chlorine [ ] Dissolved Sulfides [ ] Dissolved Oxygen..... [ ] Yes [ ] No [X] N/A
Proper preservation noted on COC or sample container..... [X] Yes [ ] No [ ] N/A
[ ] Unpreserved vials received for Volatiles analysis
Volatile analysis container(s) free of headspace..... [X] Yes [ ] No [ ] N/A
Tedlar bag(s) free of condensation..... [ ] Yes [ ] No [X] N/A
CONTAINER TYPE:
Solid: [ ] 4ozCGJ [ ] 8ozCGJ [ ] 16ozCGJ [ ] Sleeve (\_\_\_\_) [ ] EnCores® [ ] TerraCores® [ ] \_\_\_\_\_
Aqueous: [ ] VOA [X] VOAh [ ] VOAna2 [ ] 125AGB [ ] 125AGBh [ ] 125AGBp [ ] 1AGB [ ] 1AGBna2 [ ] 1AGBs
[ ] 500AGB [X] 500AGJ [ ] 500AGJs [ ] 250AGB [ ] 250CGB [ ] 250CGBs [ ] 1PB [ ] 1PBna [ ] 500PB
[ ] 250PB [ ] 250PBn [ ] 125PB [ ] 125PBzanna [ ] 100PJ [ ] 100PJna2 [ ] \_\_\_\_\_ [ ] \_\_\_\_\_ [ ] \_\_\_\_\_
Air: [ ] Tedlar® [ ] Canister Other: [ ] \_\_\_\_\_ Trip Blank Lot#: 131003A Labeled/Checked by: 802
Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: 802
Preservative: h: HCL n: HNO3 na2:Na2S2O3 na: NaOH p: H3PO4 s: H2SO4 u: Ultra-pure znna: ZnAc2+NaOH f: Filtered Scanned by: 802

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# CALSCIENCE

## WORK ORDER NUMBER: 13-10-0843

*The difference is service*



AIR | SOIL | WATER | MARINE CHEMISTRY

### Analytical Report For

**Client:** Parsons Government Services, Inc.

**Client Project Name:** DFSP Norwalk

**Attention:** Mary Lucas  
100 West Walnut Street  
Pasadena, CA 91124-0002

Approved for release on 10/18/2013 by:  
Ranjit Clarke  
Project Manager

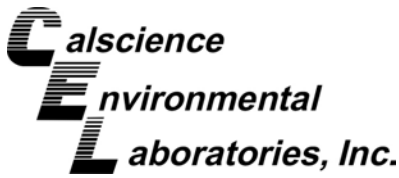
ResultLink ▶

Email your PM ▶



Calscience Environmental Laboratories, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

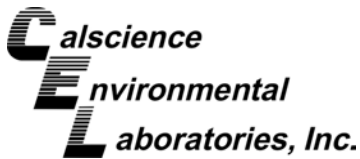




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Work Order Number: 13-10-0843

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## Work Order Narrative

---

Work Order: 13-10-0843

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### **Condition Upon Receipt:**

Samples were received under Chain of Custody (COC) on 10/10/13. They were assigned to Work Order 13-10-0843.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

### **Holding Times:**

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of  $\leq 15$  minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

### **Quality Control:**

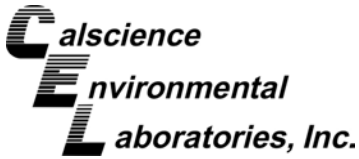
All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

### **Additional Comments:**

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

### **Subcontractor Information:**

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0843  
Preparation: EPA 3510C  
Method: EPA 8015B (M)  
Units: ug/L

Project: DFSP Norwalk

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
TF-24	13-10-0843-2-G	10/10/13 07:21	Aqueous	GC 47	10/11/13	10/12/13 02:45	131011B17

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
TPH as Diesel	1500	100	1	HD

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
n-Octacosane	96	68-140	

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
TPH as Diesel	490	100	1	HD

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
n-Octacosane	88	68-140	

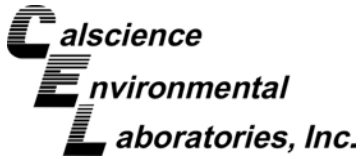
<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
TPH as Diesel	2200	100	1	HD

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
n-Octacosane	89	68-140	

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
TPH as Diesel	ND	100	1	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
n-Octacosane	74	68-140	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0843  
Preparation: EPA 5030C  
Method: EPA 8015B (M)  
Units: ug/L

Project: DFSP Norwalk

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
TF-24	13-10-0843-2-D	10/10/13 07:21	Aqueous	GC 4	10/12/13	10/13/13 01:26	131012B02

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
TPH as Gasoline	ND	100	1	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	76	38-134	

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
TPH as Gasoline	ND	100	1	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	82	38-134	

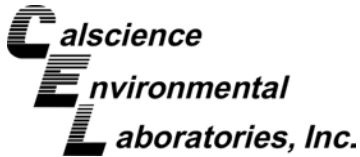
<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
TPH as Gasoline	960	100	1	HD

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	92	38-134	

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
TPH as Gasoline	ND	100	1	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	65	38-134	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0843  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

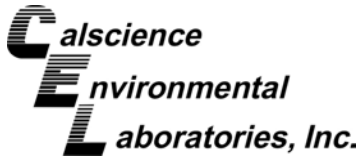
Page 1 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
TB-10/10/13	13-10-0843-1-B	10/10/13 07:00	Aqueous	GC/MS V V	10/14/13	10/15/13 05:20	131014L03

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0843  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

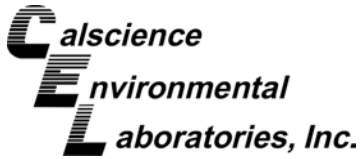
Page 2 of 18

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	


  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.





## Analytical Report

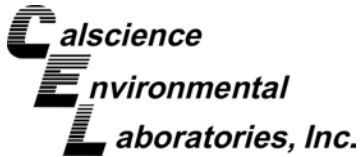
Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/10/13  
 Work Order: 13-10-0843  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	104	80-126	
1,2-Dichloroethane-d4	114	80-134	
Toluene-d8	102	80-120	



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0843  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

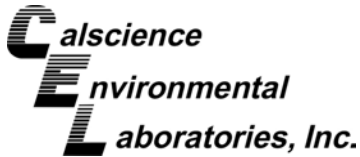
Page 4 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
TF-24	13-10-0843-2-B	10/10/13 07:21	Aqueous	GC/MS V V	10/14/13	10/15/13 05:50	131014L03

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0843  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

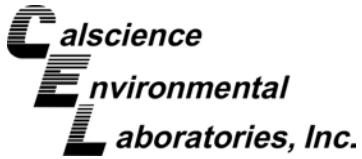
Project: DFSP Norwalk

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Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	0.40	0.50	0.31	1	J
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

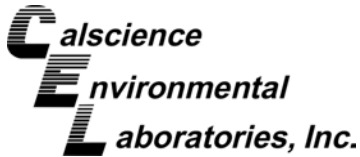
Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/10/13  
 Work Order: 13-10-0843  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	88	80-126	
1,2-Dichloroethane-d4	113	80-134	
Toluene-d8	103	80-120	



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0843  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

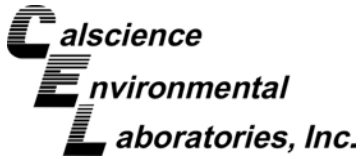
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
TF-8	13-10-0843-3-B	10/10/13 07:56	Aqueous	GC/MS V V	10/14/13	10/15/13 06:19	131014L03

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0843  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

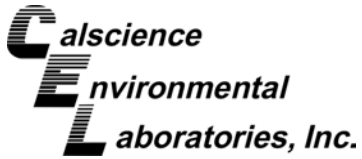
Project: DFSP Norwalk

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Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	0.53	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	


  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

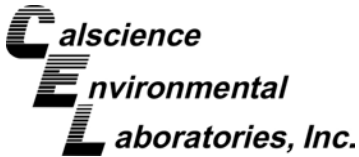
Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/10/13  
 Work Order: 13-10-0843  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	99	80-120	
Dibromofluoromethane	111	80-126	
1,2-Dichloroethane-d4	114	80-134	
Toluene-d8	104	80-120	



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0843  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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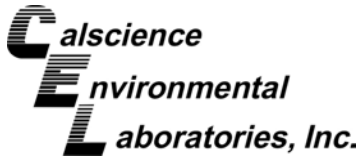
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
TF-9	13-10-0843-4-B	10/10/13 08:42	Aqueous	GC/MS V V	10/14/13	10/15/13 06:48	131014L03

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	12	20	10	1	J
Benzene	2.1	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	1.2	1.0	0.23	1	
sec-Butylbenzene	6.5	1.0	0.25	1	
tert-Butylbenzene	0.87	1.0	0.28	1	J
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.





## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

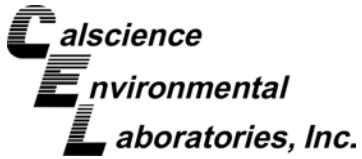
Date Received: 10/10/13  
Work Order: 13-10-0843  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	0.80	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	45	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	89	10	2.5	1	
n-Propylbenzene	46	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	0.27	0.50	0.24	1	J
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	0.30	0.50	0.23	1	J
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	32	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

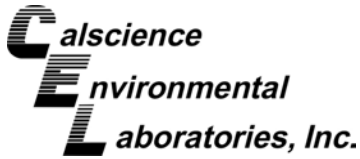
Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/10/13  
 Work Order: 13-10-0843  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	94	80-120	
Dibromofluoromethane	86	80-126	
1,2-Dichloroethane-d4	113	80-134	
Toluene-d8	105	80-120	



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0843  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

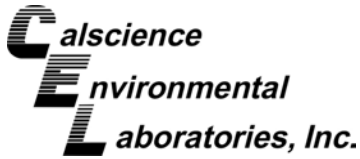
Page 13 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EB-10/10/13	13-10-0843-5-B	10/10/13 08:10	Aqueous	GC/MS V V	10/14/13	10/15/13 07:17	131014L03

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

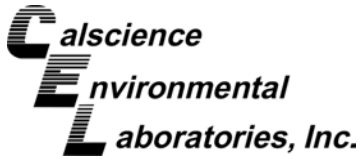
Date Received: 10/10/13  
Work Order: 13-10-0843  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

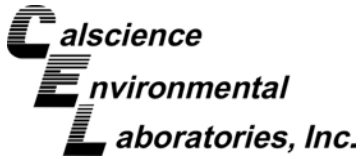
Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

Date Received: 10/10/13  
 Work Order: 13-10-0843  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	99	80-120	
Dibromofluoromethane	102	80-126	
1,2-Dichloroethane-d4	111	80-134	
Toluene-d8	101	80-120	



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0843  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

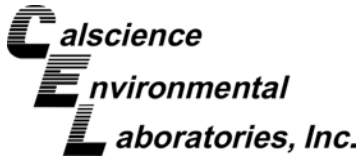
Page 16 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-001-12115	N/A	Aqueous	GC/MS V V	10/14/13	10/15/13 02:54	131014L03

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	5.0	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	5.0	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

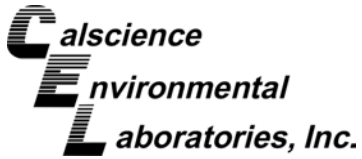
Date Received: 10/10/13  
Work Order: 13-10-0843  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP Norwalk

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	0.50	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	5.0	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	0.50	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	0.50	0.24	1	
o-Xylene	ND	0.50	0.23	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
Ethanol	ND	100	50	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Parsons Government Services, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

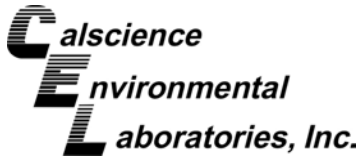
Date Received: 10/10/13  
 Work Order: 13-10-0843  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

Project: DFSP Norwalk

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<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	97	80-126	
1,2-Dichloroethane-d4	114	80-134	
Toluene-d8	101	80-120	





## Quality Control - Spike/Spike Duplicate

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0843  
Preparation: EPA 5030C  
Method: EPA 8260B

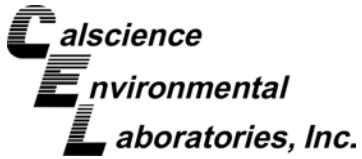
Project: DFSP Norwalk

Page 1 of 1

Quality Control Sample ID	Matrix		Instrument		Date Prepared	Date Analyzed	MS/MSD Batch Number			
<b>13-10-0666-1</b>	<b>Aqueous</b>		<b>GC/MS V V</b>		<b>10/14/13</b>	<b>10/15/13 03:53</b>	<b>131014S02</b>			
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	50.82	102	51.21	102	78-120	1	0-20	
Carbon Tetrachloride	ND	50.00	50.34	101	47.68	95	67-139	5	0-20	
Chlorobenzene	ND	50.00	47.31	95	47.02	94	80-120	1	0-20	
1,2-Dibromoethane	ND	50.00	49.81	100	51.04	102	80-123	2	0-20	
1,2-Dichlorobenzene	ND	50.00	45.70	91	46.83	94	76-120	2	0-20	
1,2-Dichloroethane	ND	50.00	56.91	114	56.33	113	76-130	1	0-20	
1,1-Dichloroethene	ND	50.00	58.60	117	54.04	108	70-130	8	0-27	
Ethylbenzene	ND	50.00	49.74	99	49.79	100	73-127	0	0-20	
Toluene	ND	50.00	51.97	104	52.02	104	72-126	0	0-20	
Trichloroethene	3.643	50.00	53.04	99	54.48	102	74-122	3	0-20	
Vinyl Chloride	ND	50.00	60.65	121	57.25	115	65-131	6	0-24	
p/m-Xylene	ND	100.0	92.85	93	93.10	93	70-130	0	0-30	
o-Xylene	ND	50.00	46.36	93	46.45	93	70-130	0	0-30	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	53.63	107	51.08	102	69-123	5	0-20	
Tert-Butyl Alcohol (TBA)	ND	250.0	223.7	89	249.9	100	65-131	11	0-22	
Diisopropyl Ether (DIPE)	ND	50.00	57.21	114	51.93	104	68-128	10	0-22	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	52.27	105	48.96	98	69-123	7	0-21	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	43.51	87	44.86	90	70-124	3	0-20	
Ethanol	ND	500.0	570.3	114	629.5	126	41-155	10	0-35	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



## Quality Control - LCS/LCSD

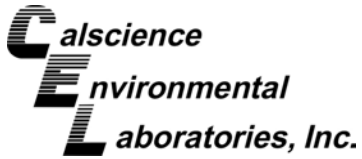
Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0843  
Preparation: EPA 3510C  
Method: EPA 8015B (M)

Project: DFSP Norwalk

Page 1 of 3

Quality Control Sample ID		Matrix		Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
<b>099-15-282-138</b>		<b>Aqueous</b>		<b>GC 47</b>	<b>10/11/13</b>	<b>10/12/13 01:35</b>	<b>131011B17</b>		
<u>Parameter</u>	<u>Spike Added</u>	<u>LCS Conc.</u>	<u>LCS %Rec.</u>	<u>LCSD Conc.</u>	<u>LCSD %Rec.</u>	<u>%Rec. CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Diesel	4000	3736	93	3687	92	75-117	1	0-13	



## Quality Control - LCS

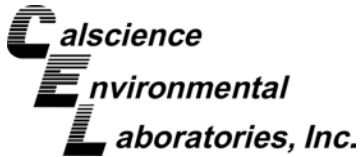
Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0843  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

Project: DFSP Norwalk

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Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number	
<b>099-15-704-552</b>	<b>Aqueous</b>	<b>GC 4</b>	<b>10/12/13 14:25</b>	<b>131012B02</b>	
<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
TPH as Gasoline	2000	1691	85	78-120	



## Quality Control - LCS

Parsons Government Services, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/10/13  
Work Order: 13-10-0843  
Preparation: EPA 5030C  
Method: EPA 8260B

Project: DFSP Norwalk

Page 3 of 3

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number		
<b>099-14-001-12115</b>	<b>Aqueous</b>	<b>GC/MS V V</b>	<b>10/15/13 01:56</b>	<b>131014L03</b>		
Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	49.64	99	80-120	73-127	
Carbon Tetrachloride	50.00	46.51	93	66-138	54-150	
Chlorobenzene	50.00	46.47	93	80-120	73-127	
1,2-Dibromoethane	50.00	49.79	100	80-120	73-127	
1,2-Dichlorobenzene	50.00	45.61	91	80-120	73-127	
1,2-Dichloroethane	50.00	54.93	110	80-129	72-137	
1,1-Dichloroethene	50.00	50.84	102	71-131	61-141	
Ethylbenzene	50.00	48.56	97	80-123	73-130	
Toluene	50.00	50.99	102	79-121	72-128	
Trichloroethene	50.00	50.91	102	80-120	73-127	
Vinyl Chloride	50.00	53.30	107	70-136	59-147	
p/m-Xylene	100.0	91.63	92	75-125	67-133	
o-Xylene	50.00	45.26	91	75-125	67-133	
Methyl-t-Butyl Ether (MTBE)	50.00	48.87	98	72-126	63-135	
Tert-Butyl Alcohol (TBA)	250.0	251.2	100	71-125	62-134	
Diisopropyl Ether (DIPE)	50.00	49.44	99	69-129	59-139	
Ethyl-t-Butyl Ether (ETBE)	50.00	46.95	94	69-129	59-139	
Tert-Amyl-Methyl Ether (TAME)	50.00	43.99	88	67-133	56-144	
Ethanol	500.0	548.9	110	47-155	29-173	

Total number of LCS compounds: 19

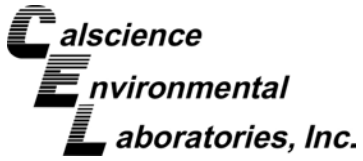
Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits



## Sample Analysis Summary Report

Work Order: 13-10-0843

Page 1 of 1

<u>Method</u>	<u>Extraction</u>	<u>Chemist ID</u>	<u>Instrument</u>	<u>Analytical Location</u>
EPA 8015B (M)	EPA 3510C	682	GC 47	1
EPA 8015B (M)	EPA 5030C	834	GC 4	2
EPA 8260B	EPA 5030C	796	GC/MS V V	2

  
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Location 1: 7440 Lincoln Way, Garden Grove, CA 92841

Location 2: 7445 Lampson Avenue, Garden Grove, CA 92841

## Glossary of Terms and Qualifiers

Work Order: 13-10-0843

Page 1 of 1

<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSO or PES/PESO associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of  $\leq$  15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

# BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE  
 SAN JOSE, CALIFORNIA 95112-1105  
 FAX (408) 573-7771  
 PHONE (408) 573-0555

## CONDUCT ANALYSIS TO DETECT

LAB: Calscience PM: Ranjit Clark

DHS #

MUST MEET SPECIFICATIONS

- EPA
- LIA
- OTHER

RWQCB REGION

# 13-10-0843

SPECIAL INSTRUCTIONS

Invoice and Report to:

Parsons - Mary Lucas (mary.lucas@parsons.com)

100 W Walnut St., Pasadena, CA 91124 (626) 440-6032

Project # 746442

ADD'L INFORMATION      STATUS      CONDITION      LAB SAMPLE #

CHAIN OF CUSTODY					
CLIENT Parsons					
SITE DFSP Norwalk					
SAMPLE I.D.	DATE	TIME	MATRIX W = H2O	CONTAINERS TOTAL	
TB-10/10/13	10-10-2013	0700	w	3	Vials
TF-24		0721		7	Vials Amber
TF-8		0756		7	
TF-9		0842		7	
EB-10/10/13		0910		3	Vials

VOC's (including BTEX, MTBE, TBA, EPA 8260)	TPHd (8015)	TPHg (8015)								
X										
X	X	X								
X	X	X								
X										

SAMPLING COMPLETED	DATE 10-10-13	TIME 0900	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN	Standard
RELEASED BY	DATE 10-10-13	TIME 1640	RECEIVED BY Nicole	DATE 10/10/13	TIME 1640
RELEASED BY Nicole	DATE 10/10/13	TIME 1734	RECEIVED BY Randy W. C. C.	DATE 10/10/13	TIME 1734
RELEASED BY Randy W. C. C.	DATE 10/10/13	TIME 1849	RECEIVED BY Blaine C. C.	DATE 10/10/13	TIME 1848
SHIPPED VIA	DATE SENT	TIME SENT	COOLER #		

**SAMPLE RECEIPT FORM**

Cooler 1 of 1

CLIENT: PARSONS

DATE: 10/10/13

**TEMPERATURE:** Thermometer ID: SC2 (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Temperature 2.3 °C - 0.2°C (CF) = 2.1 °C  Blank  Sample

Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_).

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature:  Air  Filter

Checked by: 676

**CUSTODY SEALS INTACT:**

Cooler  \_\_\_\_\_  No (Not Intact)  Not Present  N/A

Sample  \_\_\_\_\_  No (Not Intact)  Not Present

Checked by: 676

Checked by: 739

**SAMPLE CONDITION:**

	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
<input type="checkbox"/> No analysis requested. <input type="checkbox"/> Not relinquished. <input type="checkbox"/> No date/time relinquished.			
Sampler's name indicated on COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers and sufficient volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aqueous samples received within 15-minute holding time			
<input type="checkbox"/> pH <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> Dissolved Sulfides <input type="checkbox"/> Dissolved Oxygen.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**CONTAINER TYPE:**

**Solid:**  4ozCGJ  8ozCGJ  16ozCGJ  Sleeve (\_\_\_\_)  EnCores®  TerraCores®  \_\_\_\_\_

**Aqueous:**  VOA  VOAh  VOAna<sub>2</sub>  125AGB  125AGBh  125AGBp  1AGB  1AGBna<sub>2</sub>  1AGBs

500AGB  500AGJ  500AGJs  250AGB  250CGB  250CGBs  1PB  1PBna  500PB

250PB  250PBn  125PB  125PBz<sub>na</sub>  100PJ  100PJna<sub>2</sub>  \_\_\_\_\_  \_\_\_\_\_  \_\_\_\_\_

**Air:**  Tedlar®  Canister **Other:**  \_\_\_\_\_ **Trip Blank Lot#:** \_\_\_\_\_ **Labeled/Checked by:** 739

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** 681

Preservative: h: HCL n: HNO<sub>3</sub> na<sub>2</sub>:Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> na: NaOH p: H<sub>3</sub>PO<sub>4</sub> s: H<sub>2</sub>SO<sub>4</sub> u: Ultra-pure z<sub>na</sub>: ZnAc<sub>2</sub>+NaOH f: Filtered **Scanned by:** 681

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# 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 : 10/10/13

Job: DFSP Norwalk

Total Petroleum Hydrocarbons - Extractable (TPH-E) EPA Method SW8015B  
Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B / SW8260B

Client ID	Lab ID	Date Sampled	Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID : EXP-1	Lab ID : CHH13101050-01A	Date Sampled 10/07/13 08:48	TPH-E (DRO)	0.13 L	0.050 mg/L	10/10/13	10/11/13
			Surr: Nonane	118	(53-145) %REC	10/10/13	10/11/13
			TPH-P (GRO)	ND	0.050 mg/L	10/15/13	10/15/13
			Surr: 1,2-Dichloroethane-d4	91	(70-130) %REC	10/15/13	10/15/13
			Surr: Toluene-d8	107	(70-130) %REC	10/15/13	10/15/13
			Surr: 4-Bromofluorobenzene	97	(70-130) %REC	10/15/13	10/15/13
Client ID : EXP-2	Lab ID : CHH13101050-02A	Date Sampled 10/07/13 09:28	TPH-E (DRO)	0.14 L	0.050 mg/L	10/10/13	10/11/13
			Surr: Nonane	115	(53-145) %REC	10/10/13	10/11/13
			TPH-P (GRO)	ND	0.050 mg/L	10/15/13	10/15/13
			Surr: 1,2-Dichloroethane-d4	92	(70-130) %REC	10/15/13	10/15/13
			Surr: Toluene-d8	103	(70-130) %REC	10/15/13	10/15/13
			Surr: 4-Bromofluorobenzene	97	(70-130) %REC	10/15/13	10/15/13
Client ID : EXP-3	Lab ID : CHH13101050-03A	Date Sampled 10/07/13 08:08	TPH-E (DRO)	ND	0.050 mg/L	10/10/13	10/11/13
			Surr: Nonane	111	(53-145) %REC	10/10/13	10/11/13
			TPH-P (GRO)	ND	0.050 mg/L	10/15/13	10/15/13
			Surr: 1,2-Dichloroethane-d4	92	(70-130) %REC	10/15/13	10/15/13
			Surr: Toluene-d8	103	(70-130) %REC	10/15/13	10/15/13
			Surr: 4-Bromofluorobenzene	96	(70-130) %REC	10/15/13	10/15/13
Client ID : WCW-5	Lab ID : CHH13101050-05A	Date Sampled 10/08/13 11:04	TPH-E (DRO)	0.13 L	0.050 mg/L	10/10/13	10/11/13
			Surr: Nonane	108	(53-145) %REC	10/10/13	10/11/13
			TPH-P (GRO)	ND	0.050 mg/L	10/15/13	10/15/13
			Surr: 1,2-Dichloroethane-d4	91	(70-130) %REC	10/15/13	10/15/13
			Surr: Toluene-d8	104	(70-130) %REC	10/15/13	10/15/13
			Surr: 4-Bromofluorobenzene	98	(70-130) %REC	10/15/13	10/15/13
Client ID : WCW-2	Lab ID : CHH13101050-06A	Date Sampled 10/08/13 12:25	TPH-E (DRO)	ND	0.050 mg/L	10/10/13	10/11/13
			Surr: Nonane	103	(53-145) %REC	10/10/13	10/11/13
			TPH-P (GRO)	ND	0.050 mg/L	10/15/13	10/15/13
			Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC	10/15/13	10/15/13
			Surr: Toluene-d8	104	(70-130) %REC	10/15/13	10/15/13
			Surr: 4-Bromofluorobenzene	98	(70-130) %REC	10/15/13	10/15/13
Client ID : WCW-12	Lab ID : CHH13101050-07A	Date Sampled 10/08/13 13:00	TPH-E (DRO)	ND	0.050 mg/L	10/10/13	10/11/13
			Surr: Nonane	108	(53-145) %REC	10/10/13	10/11/13
			TPH-P (GRO)	ND	0.050 mg/L	10/15/13	10/15/13
			Surr: 1,2-Dichloroethane-d4	90	(70-130) %REC	10/15/13	10/15/13
			Surr: Toluene-d8	103	(70-130) %REC	10/15/13	10/15/13
			Surr: 4-Bromofluorobenzene	100	(70-130) %REC	10/15/13	10/15/13



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Client ID:	<b>EXP-4</b>						
Lab ID:	CHH13101050-08A	TPH-E (DRO)	ND	X	0.10 mg/L	10/10/13	10/11/13
Date Sampled	10/08/13 15:13	Surr: Nonane	105		(53-145) %REC	10/10/13	10/11/13
		TPH-P (GRO)	ND		0.050 mg/L	10/15/13	10/15/13
		Surr: 1,2-Dichloroethane-d4	90		(70-130) %REC	10/15/13	10/15/13
		Surr: Toluene-d8	104		(70-130) %REC	10/15/13	10/15/13
		Surr: 4-Bromofluorobenzene	100		(70-130) %REC	10/15/13	10/15/13
Client ID:	<b>WCW-14</b>						
Lab ID:	CHH13101050-09A	TPH-E (DRO)	ND		0.050 mg/L	10/10/13	10/11/13
Date Sampled	10/08/13 15:36	Surr: Nonane	106		(53-145) %REC	10/10/13	10/11/13
		TPH-P (GRO)	ND		0.050 mg/L	10/15/13	10/15/13
		Surr: 1,2-Dichloroethane-d4	90		(70-130) %REC	10/15/13	10/15/13
		Surr: Toluene-d8	104		(70-130) %REC	10/15/13	10/15/13
		Surr: 4-Bromofluorobenzene	100		(70-130) %REC	10/15/13	10/15/13
Client ID:	<b>EB-1</b>						
Lab ID:	CHH13101050-10A	TPH-E (DRO)	ND		0.050 mg/L	10/10/13	10/11/13
Date Sampled	10/08/13 15:45	Surr: Nonane	109		(53-145) %REC	10/10/13	10/11/13
		TPH-P (GRO)	ND		0.050 mg/L	10/15/13	10/15/13
		Surr: 1,2-Dichloroethane-d4	89		(70-130) %REC	10/15/13	10/15/13
		Surr: Toluene-d8	104		(70-130) %REC	10/15/13	10/15/13
		Surr: 4-Bromofluorobenzene	99		(70-130) %REC	10/15/13	10/15/13

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.

X = Reporting Limits were increased due to sample matrix interferences.

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

Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Statement of Data Authenticity: Alpha Analytical, Inc. attests that the data reported has not been altered in any way.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.



*pgj*

10/18/13

**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: CHH13101050-01A  
Client I.D. Number: EXP-1

Sampled: 10/07/13 08:48  
Received: 10/10/13  
Extracted: 10/15/13  
Analyzed: 10/15/13

### Volatile Organics by GC/MS EPA Method SW8260B

Reporting			Reporting		
Compound	Concentration	Limit	Compound	Concentration	Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	91	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	107	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	97	(70-130) %REC
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			

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

Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

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*[Signature]*

10/18/13  
Report Date

Page 1 of 1



# 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: CHH13101050-02A  
Client I.D. Number: EXP-2

Sampled: 10/07/13 09:28  
Received: 10/10/13  
Extracted: 10/15/13  
Analyzed: 10/15/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	92	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	103	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	97	(70-130) %REC
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			

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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*PS*  
10/18/13  
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: CHH13101050-03A  
Client I.D. Number: EXP-3

Sampled: 10/07/13 08:08  
Received: 10/10/13  
Extracted: 10/15/13  
Analyzed: 10/15/13

### Volatile Organics by GC/MS EPA Method SW8260B

Reporting			Reporting		
Compound	Concentration	Limit	Compound	Concentration	Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	92	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	103	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	96	(70-130) %REC
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			

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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*MS*  
10/18/13  
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: CHH13101050-04A  
Client I.D. Number: TB-1

Sampled: 10/07/13 07:00  
Received: 10/10/13  
Extracted: 10/15/13  
Analyzed: 10/15/13

### Volatile Organics by GC/MS EPA Method SW8260B

Reporting			Reporting		
Compound	Concentration	Limit	Compound	Concentration	Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	91	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	106	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	98	(70-130) %REC
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			

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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*JS*

10/18/13  
Report Date

Page 1 of 1



# 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: CHH13101050-05A  
Client I.D. Number: WCW-5

Sampled: 10/08/13 11:04  
Received: 10/10/13  
Extracted: 10/15/13  
Analyzed: 10/15/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	91	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	104	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	98	(70-130) %REC
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			

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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*[Signature]*  
10/18/13  
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: CHH13101050-06A  
Client I.D. Number: WCW-2

Sampled: 10/08/13 12:25  
Received: 10/10/13  
Extracted: 10/15/13  
Analyzed: 10/15/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	104	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	98	(70-130) %REC
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			

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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*AS*

10/18/13  
Report Date

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# 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: CHH13101050-07A  
Client I.D. Number: WCW-12

Sampled: 10/08/13 13:00  
Received: 10/10/13  
Extracted: 10/15/13  
Analyzed: 10/15/13

### Volatile Organics by GC/MS EPA Method SW8260B

Reporting			Reporting		
Compound	Concentration	Limit	Compound	Concentration	Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	90	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	103	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	100	(70-130) %REC
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			

ND = Not Detected



*Roger Scholl*      *Randy Gardner*      *Walter Hinchman*  
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*RS*

10/18/13

Report Date

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# 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: CHH13101050-08A  
Client I.D. Number: EXP-4

Sampled: 10/08/13 15:13  
Received: 10/10/13  
Extracted: 10/15/13  
Analyzed: 10/15/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	90	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	104	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	100	(70-130) %REC
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			

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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*RS*  
10/18/13  
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: CHH13101050-09A  
Client I.D. Number: WCW-14

Sampled: 10/08/13 15:36  
Received: 10/10/13  
Extracted: 10/15/13  
Analyzed: 10/15/13

### Volatile Organics by GC/MS EPA Method SW8260B

Reporting			Reporting		
Compound	Concentration	Limit	Compound	Concentration	Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	90	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	104	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	100	(70-130) %REC
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			

ND = Not Detected



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*ASJ*

10/18/13

Report Date

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# 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: CHH13101050-10A  
Client I.D. Number: EB-1

Sampled: 10/08/13 15:45  
Received: 10/10/13  
Extracted: 10/15/13  
Analyzed: 10/15/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	89	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	104	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	99	(70-130) %REC
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			

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

Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Statement of Data Authenticity: Alpha Analytical, Inc. attests that the data reported has not been altered in any way.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.



*[Signature]*

10/18/13  
Report Date

Page 1 of 1



# 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: CHH13101050

Job: DFSP Norwalk

Alpha's Sample ID	Client's Sample ID	Matrix	pH
13101050-01A	EXP-1	Aqueous	2
13101050-02A	EXP-2	Aqueous	2
13101050-03A	EXP-3	Aqueous	2
13101050-04A	TB-1	Aqueous	2
13101050-05A	WCW-5	Aqueous	2
13101050-06A	WCW-2	Aqueous	2
13101050-07A	WCW-12	Aqueous	2
13101050-08A	EXP-4	Aqueous	2
13101050-09A	WCW-14	Aqueous	2
13101050-10A	EB-1	Aqueous	2

10/18/13

Report Date

Page 1 of 1



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:  
17-Oct-13

## QC Summary Report

Work Order:  
13101050

### Method Blank

File ID: 7A13101037.D

Sample ID: MBLK-31792

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	ND	0.05								
Surr: Nonane	0.166		0.15		111	53	145			

Type: MBLK

Test Code: EPA Method SW8015B/C Ext

Batch ID: 31792

Analysis Date: 10/11/2013 02:42

Run ID: FID\_7\_131010B

Prep Date: 10/10/2013 12:00

### Laboratory Control Spike

File ID: 7A13101038.D

Sample ID: LCS-31792

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.35	0.05	2.5		94	70	130			
Surr: Nonane	0.166		0.15		111	53	145			

Type: LCS

Test Code: EPA Method SW8015B/C Ext

Batch ID: 31792

Analysis Date: 10/11/2013 03:09

Run ID: FID\_7\_131010B

Prep Date: 10/10/2013 12:00

### Sample Matrix Spike

File ID: 7A13101048.D

Sample ID: 13101050-10AMS

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.65	0.05	2.5	0	106	51	151			
Surr: Nonane	0.194		0.15		129	53	145			

Type: MS

Test Code: EPA Method SW8015B/C Ext

Batch ID: 31792

Analysis Date: 10/11/2013 07:36

Run ID: FID\_7\_131010B

Prep Date: 10/10/2013 12:00

### Sample Matrix Spike Duplicate

File ID: 7A13101049.D

Sample ID: 13101050-10AMSD

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.7	0.05	2.5	0	108	51	151	2.651	2.0(40)	
Surr: Nonane	0.181		0.15		121	53	145			

Type: MSD

Test Code: EPA Method SW8015B/C Ext

Batch ID: 31792

Analysis Date: 10/11/2013 08:03

Run ID: FID\_7\_131010B

Prep Date: 10/10/2013 12:00

### 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.



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:  
17-Oct-13

## QC Summary Report

Work Order:  
13101050

### Method Blank

Type: **MBLK** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **13101509.D**

Batch ID: **MS15W1015B**

Analysis Date: **10/15/2013 15:57**

Sample ID: **MBLK MS15W1015B**

Units: **mg/L**

Run ID: **MSD\_15\_131015A**

Prep Date: **10/15/2013 15:57**

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	0.00896		0.01		90	70	130			
Surr: Toluene-d8	0.0118		0.01		118	70	130			
Surr: 4-Bromofluorobenzene	0.0107		0.01		107	70	130			

### Laboratory Control Spike

Type: **LCS** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **13101507.D**

Batch ID: **MS15W1015B**

Analysis Date: **10/15/2013 15:00**

Sample ID: **GLCS MS15W1015B**

Units: **mg/L**

Run ID: **MSD\_15\_131015A**

Prep Date: **10/15/2013 15:00**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	0.414	0.05	0.4		104	70	130			
Surr: 1,2-Dichloroethane-d4	0.00848		0.01		85	70	130			
Surr: Toluene-d8	0.0101		0.01		101	70	130			
Surr: 4-Bromofluorobenzene	0.00996		0.01		99.6	70	130			

### Sample Matrix Spike

Type: **MS** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **13101531.D**

Batch ID: **MS15W1015B**

Analysis Date: **10/15/2013 23:57**

Sample ID: **13100842-02AGS**

Units: **mg/L**

Run ID: **MSD\_15\_131015A**

Prep Date: **10/15/2013 23:57**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2.9	0.5	4	0	73	54	143			
Surr: 1,2-Dichloroethane-d4	0.0881		0.1		88	70	130			
Surr: Toluene-d8	0.115		0.1		115	70	130			
Surr: 4-Bromofluorobenzene	0.111		0.1		111	70	130			

### Sample Matrix Spike Duplicate

Type: **MSD** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **13101532.D**

Batch ID: **MS15W1015B**

Analysis Date: **10/16/2013 00:19**

Sample ID: **13100842-02AGSD**

Units: **mg/L**

Run ID: **MSD\_15\_131015A**

Prep Date: **10/16/2013 00:19**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	3.31	0.5	4	0	83	54	143	2.903	13.2(23)	
Surr: 1,2-Dichloroethane-d4	0.0893		0.1		89	70	130			
Surr: Toluene-d8	0.103		0.1		103	70	130			
Surr: 4-Bromofluorobenzene	0.121		0.1		121	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.







# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:

17-Oct-13

## QC Summary Report

Work Order:

13101050

n-Butylbenzene	ND	1								
1,2-Dibromo-3-chloropropane (DBCP)	ND	5								
1,2,4-Trichlorobenzene	ND	2								
Naphthalene	ND	10								
1,2,3-Trichlorobenzene	ND	2								
Xylenes, Total	ND	0.5								
Surr: 1,2-Dichloroethane-d4	8.96		10	90	70	130				
Surr: Toluene-d8	11.8		10	118	70	130				
Surr: 4-Bromofluorobenzene	10.7		10	107	70	130				

### Laboratory Control Spike

Type: LCS Test Code: EPA Method SW8260B

File ID: 13101506.D

Batch ID: MS15W1015A

Analysis Date: 10/15/2013 14:26

Sample ID: LCS MS15W1015A

Units: µg/L

Run ID: MSD\_15\_131015A

Prep Date: 10/15/2013 14:26

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	10.8	1	10		108	80	120			
Methyl tert-butyl ether (MTBE)	10.3	0.5	10		103	63	137			
Benzene	8.55	0.5	10		86	70	130			
Trichloroethene	9.26	1	10		93	68	138			
Toluene	9.33	0.5	10		93	80	120			
Chlorobenzene	9.3	1	10		93	70	130			
Ethylbenzene	9.41	0.5	10		94	80	120			
m,p-Xylene	9.65	0.5	10		97	65	139			
o-Xylene	9.69	0.5	10		97	70	130			
Xylenes, Total	19.3	0.5	20		97	70	130			
Surr: 1,2-Dichloroethane-d4	9.58		10		96	70	130			
Surr: Toluene-d8	9.68		10		97	70	130			
Surr: 4-Bromofluorobenzene	9.59		10		96	70	130			

### Sample Matrix Spike

Type: MS Test Code: EPA Method SW8260B

File ID: 13101529.D

Batch ID: MS15W1015A

Analysis Date: 10/15/2013 23:14

Sample ID: 13100842-02AMS

Units: µg/L

Run ID: MSD\_15\_131015A

Prep Date: 10/15/2013 23:14

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	62.8	5	100		0	63	62	133		
Methyl tert-butyl ether (MTBE)	47.4	2.5	100		0	47	56	140		M2
Benzene	74.4	2.5	100		0	74	67	134		
Trichloroethene	79	5	100		0	79	68	138		
Toluene	101	2.5	100		0	101	38	130		
Chlorobenzene	78.8	5	100		0	79	70	130		
Ethylbenzene	77.1	2.5	100		0	77	70	130		
m,p-Xylene	75.1	2.5	100		0	75	65	139		
o-Xylene	71.9	2.5	100		0	72	69	130		
Xylenes, Total	147	2.5	200		0	74	70	130		
Surr: 1,2-Dichloroethane-d4	92.9		100			93	70	130		
Surr: Toluene-d8	120		100			120	70	130		
Surr: 4-Bromofluorobenzene	102		100			102	70	130		

### Sample Matrix Spike Duplicate

Type: MSD Test Code: EPA Method SW8260B

File ID: 13101530.D

Batch ID: MS15W1015A

Analysis Date: 10/15/2013 23:35

Sample ID: 13100842-02AMSD

Units: µg/L

Run ID: MSD\_15\_131015A

Prep Date: 10/15/2013 23:35

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual	
1,1-Dichloroethene	92.1	5	100		0	92	62	133	62.81	37.8(35)	R5
Methyl tert-butyl ether (MTBE)	67.7	2.5	100		0	68	56	140	47.39	35.3(40)	
Benzene	71	2.5	100		0	71	67	134	74.42	4.8(21)	
Trichloroethene	75.1	5	100		0	75	68	138	79.04	5.1(20)	
Toluene	80.3	2.5	100		0	80	38	130	101.1	22.9(20)	R5
Chlorobenzene	76.3	5	100		0	76	70	130	78.81	3.2(20)	
Ethylbenzene	77.8	2.5	100		0	78	70	130	77.05	1.0(20)	
m,p-Xylene	81.6	2.5	100		0	82	65	139	75.1	8.3(20)	
o-Xylene	80	2.5	100		0	80	69	130	71.94	10.6(20)	
Xylenes, Total	162	2.5	200		0	81	70	130	147	9.4(22)	
Surr: 1,2-Dichloroethane-d4	92.6		100			93	70	130			
Surr: Toluene-d8	96.2		100			96	70	130			
Surr: 4-Bromofluorobenzene	96.5		100			97	70	130			



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:  
17-Oct-13

## QC Summary Report

Work Order:  
13101050

**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.

R5 = MS/MSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

# 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 : CHHL13101050**  
**Report Due By : 5:00 PM On : 21-Oct-13**

**Client:**  
 CH2M Hill  
 1000 Wilshire Boulevard  
 21st Floor  
 Los Angeles, CA 90017

Report Attention	Phone Number	E Mail 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 : AD

PO :


Cooler Temp	Samples Received	Date Printed
6 °C	10-Oct-13	10-Oct-13

Client's COC # : none Job : DFSP Norwalk

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix	Collection Date	No. of Bottles			Requested Tests						Sample Remarks			
				Alpha	Sub	TAT	TPHE_W	TPHP_W	VOC_W							
CHH13101050-01A	EXP-1	AQ	10/07/13 08:48	5	0	7	TPHE(0.05)+Vinyl acetate	TPHE(0.05)+Vinyl acetate	TPHE(0.05)+Vinyl acetate							
CHH13101050-02A	EXP-2	AQ	10/07/13 09:28	5	0	7	TPHE(0.05)+Vinyl acetate	TPHE(0.05)+Vinyl acetate	TPHE(0.05)+Vinyl acetate							
CHH13101050-03A	EXP-3	AQ	10/07/13 08:08	5	0	7	TPHE(0.05)+Vinyl acetate	TPHE(0.05)+Vinyl acetate	TPHE(0.05)+Vinyl acetate							
CHH13101050-04A	TB-1	AQ	10/07/13 07:00	3	0	7			TPHE(0.05)+Vinyl acetate							Reno Trip Blanks (2) 7/31/13, (1) 2/15/13
CHH13101050-05A	WCW-5	AQ	10/08/13 11:04	5	0	7	TPHE(0.05)+Vinyl acetate	TPHE(0.05)+Vinyl acetate	TPHE(0.05)+Vinyl acetate							
CHH13101050-06A	WCW-2	AQ	10/08/13 12:25	5	0	7	TPHE(0.05)+Vinyl acetate	TPHE(0.05)+Vinyl acetate	TPHE(0.05)+Vinyl acetate							
CHH13101050-07A	WCW-12	AQ	10/08/13 13:00	5	0	7	TPHE(0.05)+Vinyl acetate	TPHE(0.05)+Vinyl acetate	TPHE(0.05)+Vinyl acetate							
CHH13101050-08A	EXP-4	AQ	10/08/13 15:13	5	0	7	TPHE(0.05)+Vinyl acetate	TPHE(0.05)+Vinyl acetate	TPHE(0.05)+Vinyl acetate							

**Comments:** Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Total Xylenes. :

Signature	Print Name	Company	Date/Time
	Sarah New	Alpha Analytical, Inc.	10/10/13 1135

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

# 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 : CHHL13101050**  
**Report Due By : 5:00 PM On : 21-Oct-13**

**Client:**  
 CH2M Hill  
 1000 Wilshire Boulevard  
 21st Floor  
 Los Angeles, CA 90017

Report Attention	Phone Number	E Mail 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 : AD

PO :  
 Client's COC # : none Job : DFSP Norwalk

Cooler Temp	Samples Received	Date Printed
6 °C	10-Oct-13	10-Oct-13

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix	No. of Bottles Alpha Sub TAT	Requested Tests						Sample Remarks					
				TPHE_W	TPHP_W	VOC_W									
CHH13101050-09A	WCW-14	AQ	10/08/13 15:36	5	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH13101050-10A	EB-1	AQ	10/08/13 15:45	5	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						

**Comments:** Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Total Xylenes. :

Signature	Print Name	Company	Date/Time
	Samira Nem	Alpha Analytical, Inc.	10/10/13 1135

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

## CONDUCT ANALYSIS TO DETECT

LAB

Alpha Analytical COC 1 of 1

Billing Information:  
 Kinder Morgan  
 1100 Town and Country Rd.  
 Orange CA 95112

Kinder Morgan Norwalk  
 Report to:  
 Dan Jablonski  
 CH2MHILL  
 1000 Wilshire Blvd 21st floor  
 Los Angeles, CA 90017

### CHAIN OF CUSTODY

CLIENT **Kinder Morgan**

SITE **DFSP Norwalk**

**15306 Norwalk Blvd, Norwalk**

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS			TPHg, TPHd (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
			AQ= Water	#	Preservation	Type												
EXP-1	10/07/13	08:18	AQ	5	ACI	vac	X	X										01A
EXP-2		09:28					X	X										02A
EXP-3		08:08					X	X										03A
TR-1	10/07/13	07:00		3				X										04A
WCW-5	10/08/13	11:04		5			X	X										05A
WCW-2		12:25					X	X										06A
WCW-12		13:00					X	X										07A
EXP-4		15:13					X	X										08A
WCW-14		15:36					X	X						time	15:36			09A
EB-1		15:45					X	X										10A

CH13101050

SAMPLING COMPLETED DATE 10/08/13 TIME 15:45 SAMPLING PERFORMED BY AD RESULTS NEEDED NO LATER THAN Standard

RELEASED BY *[Signature]* TIME 1715 RECEIVED BY *Nicole* DATE 10/9/13 TIME 1715

RELEASED BY *Nicole* TIME 1730 RECEIVED BY *[Signature]* DATE 10/9/13 TIME 1730

RELEASED BY *[Signature]* TIME 1730 RECEIVED BY *Alpha* DATE 10/10/13 TIME 1047

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 : 10/10/13

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 : WCW-3					
Lab ID : CHH13101051-01A	TPH-E (DRO)	ND	0.050 mg/L	10/10/13	10/11/13
Date Sampled 10/09/13 08:29	Surr: Nonane	115	(53-145) %REC	10/10/13	10/11/13
	TPH-P (GRO)	ND	0.050 mg/L	10/16/13	10/16/13
	Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC	10/16/13	10/16/13
	Surr: Toluene-d8	103	(70-130) %REC	10/16/13	10/16/13
	Surr: 4-Bromofluorobenzene	98	(70-130) %REC	10/16/13	10/16/13
Client ID : WCW-13					
Lab ID : CHH13101051-02A	TPH-E (DRO)	ND X	0.10 mg/L	10/10/13	10/11/13
Date Sampled 10/09/13 09:02	Surr: Nonane	110	(53-145) %REC	10/10/13	10/11/13
	TPH-P (GRO)	ND	0.050 mg/L	10/16/13	10/16/13
	Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC	10/16/13	10/16/13
	Surr: Toluene-d8	103	(70-130) %REC	10/16/13	10/16/13
	Surr: 4-Bromofluorobenzene	99	(70-130) %REC	10/16/13	10/16/13
Client ID : WCW-4					
Lab ID : CHH13101051-03A	TPH-E (DRO)	ND	0.050 mg/L	10/10/13	10/11/13
Date Sampled 10/09/13 09:34	Surr: Nonane	110	(53-145) %REC	10/10/13	10/11/13
	TPH-P (GRO)	ND	0.050 mg/L	10/16/13	10/16/13
	Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC	10/16/13	10/16/13
	Surr: Toluene-d8	103	(70-130) %REC	10/16/13	10/16/13
	Surr: 4-Bromofluorobenzene	100	(70-130) %REC	10/16/13	10/16/13
Client ID : WCW-8					
Lab ID : CHH13101051-04A	TPH-E (DRO)	ND	0.050 mg/L	10/10/13	10/11/13
Date Sampled 10/09/13 10:00	Surr: Nonane	119	(53-145) %REC	10/10/13	10/11/13
	TPH-P (GRO)	ND	0.050 mg/L	10/16/13	10/16/13
	Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC	10/16/13	10/16/13
	Surr: Toluene-d8	100	(70-130) %REC	10/16/13	10/16/13
	Surr: 4-Bromofluorobenzene	101	(70-130) %REC	10/16/13	10/16/13
Client ID : WCW-7					
Lab ID : CHH13101051-05A	TPH-E (DRO)	ND	0.050 mg/L	10/10/13	10/11/13
Date Sampled 10/09/13 10:33	Surr: Nonane	120	(53-145) %REC	10/10/13	10/11/13
	TPH-P (GRO)	ND	0.050 mg/L	10/16/13	10/16/13
	Surr: 1,2-Dichloroethane-d4	101	(70-130) %REC	10/16/13	10/16/13
	Surr: Toluene-d8	102	(70-130) %REC	10/16/13	10/16/13
	Surr: 4-Bromofluorobenzene	97	(70-130) %REC	10/16/13	10/16/13
Client ID : WCW-6					
Lab ID : CHH13101051-06A	TPH-E (DRO)	ND	0.050 mg/L	10/10/13	10/11/13
Date Sampled 10/09/13 11:12	Surr: Nonane	120	(53-145) %REC	10/10/13	10/11/13
	TPH-P (GRO)	ND	0.050 mg/L	10/16/13	10/16/13
	Surr: 1,2-Dichloroethane-d4	98	(70-130) %REC	10/16/13	10/16/13
	Surr: Toluene-d8	102	(70-130) %REC	10/16/13	10/16/13
	Surr: 4-Bromofluorobenzene	98	(70-130) %REC	10/16/13	10/16/13



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Client ID :	<b>EXP-5</b>					
Lab ID :	CHH13101051-07A	TPH-E (DRO)	ND	0.050 mg/L	10/10/13	10/11/13
Date Sampled	10/09/13 13:37	Surr: Nonane	114	(53-145) %REC	10/10/13	10/11/13
		TPH-P (GRO)	ND	0.050 mg/L	10/16/13	10/16/13
		Surr: 1,2-Dichloroethane-d4	94	(70-130) %REC	10/16/13	10/16/13
		Surr: Toluene-d8	104	(70-130) %REC	10/16/13	10/16/13
		Surr: 4-Bromofluorobenzene	98	(70-130) %REC	10/16/13	10/16/13
Client ID :	<b>GMW-O-17</b>					
Lab ID :	CHH13101051-08A	TPH-E (DRO)	ND	0.050 mg/L	10/10/13	10/11/13
Date Sampled	10/09/13 13:05	Surr: Nonane	101	(53-145) %REC	10/10/13	10/11/13
		TPH-P (GRO)	ND	0.050 mg/L	10/16/13	10/16/13
		Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC	10/16/13	10/16/13
		Surr: Toluene-d8	104	(70-130) %REC	10/16/13	10/16/13
		Surr: 4-Bromofluorobenzene	98	(70-130) %REC	10/16/13	10/16/13
Client ID :	<b>MW-12</b>					
Lab ID :	CHH13101051-09A	TPH-E (DRO)	ND	X	0.10 mg/L	10/10/13
Date Sampled	10/09/13 14:15	Surr: Nonane	103	(53-145) %REC	10/10/13	10/11/13
		TPH-P (GRO)	ND	0.050 mg/L	10/16/13	10/16/13
		Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC	10/16/13	10/16/13
		Surr: Toluene-d8	102	(70-130) %REC	10/16/13	10/16/13
		Surr: 4-Bromofluorobenzene	98	(70-130) %REC	10/16/13	10/16/13
Client ID :	<b>PW-3</b>					
Lab ID :	CHH13101051-10A	TPH-E (DRO)	ND	0.050 mg/L	10/10/13	10/11/13
Date Sampled	10/09/13 14:52	Surr: Nonane	113	(53-145) %REC	10/10/13	10/11/13
		TPH-P (GRO)	ND	0.050 mg/L	10/16/13	10/16/13
		Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC	10/16/13	10/16/13
		Surr: Toluene-d8	103	(70-130) %REC	10/16/13	10/16/13
		Surr: 4-Bromofluorobenzene	97	(70-130) %REC	10/16/13	10/16/13
Client ID :	<b>HL-2</b>					
Lab ID :	CHH13101051-11A	TPH-E (DRO)	ND	0.050 mg/L	10/10/13	10/11/13
Date Sampled	10/09/13 15:30	Surr: Nonane	122	(53-145) %REC	10/10/13	10/11/13
		TPH-P (GRO)	ND	0.050 mg/L	10/16/13	10/16/13
		Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC	10/16/13	10/16/13
		Surr: Toluene-d8	102	(70-130) %REC	10/16/13	10/16/13
		Surr: 4-Bromofluorobenzene	98	(70-130) %REC	10/16/13	10/16/13
Client ID :	<b>EB-2</b>					
Lab ID :	CHH13101051-12A	TPH-E (DRO)	ND	0.050 mg/L	10/10/13	10/11/13
Date Sampled	10/09/13 15:40	Surr: Nonane	110	(53-145) %REC	10/10/13	10/11/13
		TPH-P (GRO)	ND	0.050 mg/L	10/16/13	10/16/13
		Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC	10/16/13	10/16/13
		Surr: Toluene-d8	103	(70-130) %REC	10/16/13	10/16/13
		Surr: 4-Bromofluorobenzene	97	(70-130) %REC	10/16/13	10/16/13

Diesel Range Organics (DRO) C13-C22

Gasoline Range Organics (GRO) C4-C13

X = Reporting Limits were increased due to sample matrix interferences.

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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*[Signature]*

10/18/13

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: CHH13101051-01A  
Client I.D. Number: WCW-3

Sampled: 10/09/13 08:29  
Received: 10/10/13  
Extracted: 10/16/13  
Analyzed: 10/16/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	1.1	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	103	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	98	(70-130) %REC
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			

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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10/18/13  
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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: CHH13101051-02A  
Client I.D. Number: WCW-13

Sampled: 10/09/13 09:02  
Received: 10/10/13  
Extracted: 10/16/13  
Analyzed: 10/16/13

### Volatile Organics by GC/MS EPA Method SW8260B

Reporting			Reporting		
Compound	Concentration	Limit	Compound	Concentration	Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	103	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	99	(70-130) %REC
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			

ND = Not Detected



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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: CHH13101051-03A  
Client I.D. Number: WCW-4

Sampled: 10/09/13 09:34  
Received: 10/10/13  
Extracted: 10/16/13  
Analyzed: 10/16/13

### Volatile Organics by GC/MS EPA Method SW8260B

Reporting			Reporting		
Compound	Concentration	Limit	Compound	Concentration	Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethane	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethane	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethane	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	103	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	100	(70-130) %REC
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethane	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 Tetrachloroethane	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

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

Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

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*PS*  
10/18/13

Report Date

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# 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: CHH13101051-04A  
Client I.D. Number: WCW-8

Sampled: 10/09/13 10:00  
Received: 10/10/13  
Extracted: 10/16/13  
Analyzed: 10/16/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	100	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	101	(70-130) %REC
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			

ND = Not Detected



*Roger Scholl*     *Randy Gardner*     *Walter Hinckman*  
Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinckman, 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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*[Signature]*  
10/18/13

Report Date

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# 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: CHH13101051-05A  
Client I.D. Number: WCW-7

Sampled: 10/09/13 10:33  
Received: 10/10/13  
Extracted: 10/16/13  
Analyzed: 10/16/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethane	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethane	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	0.60	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	1.4	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethane	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	11	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	101	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	102	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	97	(70-130) %REC
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			

ND = Not Detected



*Roger Scholl*     *Randy Gardner*     *Walter Hinckman*  
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*[Signature]*

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Report Date

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# 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: CHH13101051-06A  
Client I.D. Number: WCW-6

Sampled: 10/09/13 11:12  
Received: 10/10/13  
Extracted: 10/16/13  
Analyzed: 10/16/13

### Volatile Organics by GC/MS EPA Method SW8260B

Reporting			Reporting		
Compound	Concentration	Limit	Compound	Concentration	Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	98	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	102	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	98	(70-130) %REC
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			

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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*M*

10/18/13  
Report Date

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# 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: CHH13101051-07A  
Client I.D. Number: EXP-5

Sampled: 10/09/13 13:37  
Received: 10/10/13  
Extracted: 10/16/13  
Analyzed: 10/16/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	94	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	104	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	98	(70-130) %REC
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			

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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*pej*  
10/18/13  
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: CHH13101051-08A  
Client I.D. Number: GMW-O-17

Sampled: 10/09/13 13:05  
Received: 10/10/13  
Extracted: 10/16/13  
Analyzed: 10/16/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethane	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	104	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	98	(70-130) %REC
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			

ND = Not Detected



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*PS*  
10/18/13  
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: CHH13101051-09A  
Client I.D. Number: MW-12

Sampled: 10/09/13 14:15  
Received: 10/10/13  
Extracted: 10/16/13  
Analyzed: 10/16/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	1.0 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	102	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	98	(70-130) %REC
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 Tetrachloroethane	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

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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*Ry*

10/18/13  
Report Date

Page 1 of 1





# 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: CHH13101051-10A  
Client I.D. Number: PW-3

Sampled: 10/09/13 14:52  
Received: 10/10/13  
Extracted: 10/16/13  
Analyzed: 10/16/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropene	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	103	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	97	(70-130) %REC
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			

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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*PS*  
10/18/13

Report Date

Page 1 of 1



# 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: CHH13101051-11A  
Client I.D. Number: HL-2

Sampled: 10/09/13 15:30  
Received: 10/10/13  
Extracted: 10/16/13  
Analyzed: 10/16/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	102	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	98	(70-130) %REC
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			

ND = Not Detected



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*[Signature]*

10/18/13  
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: CHH13101051-12A  
Client I.D. Number: EB-2

Sampled: 10/09/13 15:40  
Received: 10/10/13  
Extracted: 10/16/13  
Analyzed: 10/16/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	103	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	97	(70-130) %REC
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			

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

Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Statement of Data Authenticity: Alpha Analytical, Inc. attests that the data reported has not been altered in any way.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.



*PS*  
10/18/13  
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: CHH13101051

Job: DFSP Norwalk

Alpha's Sample ID	Client's Sample ID	Matrix	pH
13101051-01A	WCW-3	Aqueous	2
13101051-02A	WCW-13	Aqueous	2
13101051-03A	WCW-4	Aqueous	2
13101051-04A	WCW-8	Aqueous	2
13101051-05A	WCW-7	Aqueous	2
13101051-06A	WCW-6	Aqueous	2
13101051-07A	EXP-5	Aqueous	2
13101051-08A	GMW-O-17	Aqueous	2
13101051-09A	MW-12	Aqueous	2
13101051-10A	PW-3	Aqueous	2
13101051-11A	HL-2	Aqueous	2
13101051-12A	EB-2	Aqueous	2

10/18/13

Report Date

Page 1 of 1



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Date:  
17-Oct-13

## QC Summary Report

Work Order:  
13101051

### Method Blank

Type: **MBLK** Test Code: **EPA Method SW8015B/C Ext**

File ID: **7A13101037.D**

Batch ID: **31792**

Analysis Date: **10/11/2013 02:42**

Sample ID: **MBLK-31792**

Units : **mg/L**

Run ID: **FID\_7\_131010B**

Prep Date: **10/10/2013 12:00**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	ND	0.05								
Surr: Nonane	0.166		0.15		111	53	145			

### Laboratory Control Spike

Type: **LCS** Test Code: **EPA Method SW8015B/C Ext**

File ID: **7A13101038.D**

Batch ID: **31792**

Analysis Date: **10/11/2013 03:09**

Sample ID: **LCS-31792**

Units : **mg/L**

Run ID: **FID\_7\_131010B**

Prep Date: **10/10/2013 12:00**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.35	0.05	2.5		94	70	130			
Surr: Nonane	0.166		0.15		111	53	145			

### Sample Matrix Spike

Type: **MS** Test Code: **EPA Method SW8015B/C Ext**

File ID: **7A13101048.D**

Batch ID: **31792**

Analysis Date: **10/11/2013 07:36**

Sample ID: **13101050-10AMS**

Units : **mg/L**

Run ID: **FID\_7\_131010B**

Prep Date: **10/10/2013 12:00**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.65	0.05	2.5	0	106	51	151			
Surr: Nonane	0.194		0.15		129	53	145			

### Sample Matrix Spike Duplicate

Type: **MSD** Test Code: **EPA Method SW8015B/C Ext**

File ID: **7A13101049.D**

Batch ID: **31792**

Analysis Date: **10/11/2013 08:03**

Sample ID: **13101050-10AMSD**

Units : **mg/L**

Run ID: **FID\_7\_131010B**

Prep Date: **10/10/2013 12:00**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.7	0.05	2.5	0	108	51	151	2.651	2.0(40)	
Surr: Nonane	0.181		0.15		121	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.



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Date:  
17-Oct-13

## QC Summary Report

Work Order:  
13101051

### Method Blank

File ID: 13101605.D

Sample ID: MBLK MS15W1016B

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	0.00864		0.01		86	70	130			
Surr: Toluene-d8	0.0106		0.01		106	70	130			
Surr: 4-Bromofluorobenzene	0.0101		0.01		101	70	130			

### Laboratory Control Spike

File ID: 13101603.D

Sample ID: GLCS MS15W1016B

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	0.429	0.05	0.4		107	70	130			
Surr: 1,2-Dichloroethane-d4	0.00821		0.01		82	70	130			
Surr: Toluene-d8	0.0102		0.01		102	70	130			
Surr: 4-Bromofluorobenzene	0.00993		0.01		99	70	130			

### Sample Matrix Spike

File ID: 13101628.D

Sample ID: 13101051-01AGS

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.53	0.25	2	0	76	54	143			
Surr: 1,2-Dichloroethane-d4	0.0444		0.05		89	70	130			
Surr: Toluene-d8	0.0497		0.05		99	70	130			
Surr: 4-Bromofluorobenzene	0.0494		0.05		99	70	130			

### Sample Matrix Spike Duplicate

File ID: 13101629.D

Sample ID: 13101051-01AGSD

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	1.527	27.5(23)	R5
Surr: 1,2-Dichloroethane-d4	0.0442		0.05		88	70	130			
Surr: Toluene-d8	0.0498		0.05		99.6	70	130			
Surr: 4-Bromofluorobenzene	0.0501		0.05		100	70	130			

### Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

R5 = MS/MSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.



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Date:  
18-Oct-13

## QC Summary Report

Work Order:  
13101051

### Method Blank

Type **MBLK** Test Code: **EPA Method SW8260B**

File ID: **13101605.D**

Batch ID: **MS15W1016A**

Analysis Date: **10/16/2013 13:00**

Sample ID: **MBLK MS15W1016A**

Units: **µg/L**

Run ID: **MSD\_15\_131016A**

Prep Date: **10/16/2013 13:00**

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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**Date:**

18-Oct-13

## QC Summary Report

**Work Order:**

13101051

n-Butylbenzene	ND	1				
1,2-Dibromo-3-chloropropane (DBCP)	ND	5				
1,2,4-Trichlorobenzene	ND	2				
Naphthalene	ND	10				
1,2,3-Trichlorobenzene	ND	2				
Xylenes, Total	ND	0.5				
Surr: 1,2-Dichloroethane-d4	8.64		10	86	70	130
Surr: Toluene-d8	10.6		10	106	70	130
Surr: 4-Bromofluorobenzene	10.1		10	101	70	130





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Date:  
18-Oct-13

## QC Summary Report

Work Order:  
13101051

### Laboratory Control Spike

Type LCS Test Code: EPA Method SW8260B

File ID: 13101602.D

Batch ID: MS15W1016A

Analysis Date: 10/16/2013 11:26

Sample ID: LCS MS15W1016A

Units: µg/L

Run ID: MSD\_15\_131016A

Prep Date: 10/16/2013 11:26

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	9.71	1	10		97	32	145			
Chloromethane	9.48	2	10		95	40	145			
Vinyl chloride	9.21	1	10		92	80	120			
Chloroethane	9.73	1	10		97	38	156			
Bromomethane	9.07	2	10		91	14	162			
Trichlorofluoromethane	9.16	1	10		92	46	154			
Acetone	159	10	200		79	22	188			
1,1-Dichloroethene	11	1	10		110	80	120			
Tertiary Butyl Alcohol (TBA)	74.1	10	100		74	48	148			
Dichloromethane	9.1	2	10		91	69	130			
Freon-113	10.4	1	10		104	70	136			
trans-1,2-Dichloroethene	9.33	1	10		93	70	130			
Methyl tert-butyl ether (MTBE)	8.38	0.5	10		84	63	137			
1,1-Dichloroethane	9.93	1	10		99	70	130			
2-Butanone (MEK)	150	10	200		75	26	183			
Di-isopropyl Ether (DIPE)	9.96	1	10		99.6	69	133			
cis-1,2-Dichloroethene	8.85	1	10		89	70	130			
Bromochloromethane	9.16	1	10		92	70	133			
Chloroform	9.02	1	10		90	80	120			
Ethyl Tertiary Butyl Ether (ETBE)	9.36	1	10		94	66	135			
2,2-Dichloropropane	8.31	1	10		83	70	149			
1,2-Dichloroethane	8.45	1	10		85	70	133			
1,1,1-Trichloroethane	9.5	1	10		95	70	135			
1,1-Dichloropropene	9.69	1	10		97	70	130			
Carbon tetrachloride	11	1	10		110	63	143			
Benzene	8.85	0.5	10		89	70	130			
Tertiary Amyl Methyl Ether (TAME)	8.25	1	10		83	70	133			
Dibromomethane	8.43	1	10		84	70	130			
1,2-Dichloropropane	8.91	1	10		89	80	120			
Trichloroethene	9.48	1	10		95	68	138			
Bromodichloromethane	9.89	1	10		99	58	147			
4-Methyl-2-pentanone (MIBK)	17.9	2.5	25		72	59	140			
cis-1,3-Dichloropropene	7.77	1	10		78	70	130			
trans-1,3-Dichloropropene	6.71	1	10		67	70	131			
1,1,2-Trichloroethane	9.32	1	10		93	70	130			
Toluene	9.5	0.5	10		95	80	120			
1,3-Dichloropropane	9.47	1	10		95	70	130			
2-Hexanone	72.5	5	100		73	48	157			
Dibromochloromethane	9.34	1	10		93	49	147			
1,2-Dibromoethane (EDB)	18.9	2	20		95	70	131			
Tetrachloroethane	9.38	1	10		94	70	130			
Chlorobenzene	9.44	1	10		94	70	130			
Ethylbenzene	9.76	0.5	10		98	80	120			
m,p-Xylene	9.81	0.5	10		98	65	139			
Bromoform	9.29	1	10		93	60	144			
Styrene	9.27	1	10		93	55	144			
o-Xylene	9.87	0.5	10		99	70	130			
1,1,2,2-Tetrachloroethane	8.97	1	10		90	70	130			
1,2,3-Trichloropropane	17.8	2	20		89	70	130			
Isopropylbenzene	11.4	1	10		114	69	136			
Bromobenzene	9.35	1	10		94	70	130			
n-Propylbenzene	11.1	1	10		111	70	132			
4-Chlorotoluene	10.4	1	10		104	70	132			
2-Chlorotoluene	10.7	1	10		107	70	130			
1,3,5-Trimethylbenzene	11.3	1	10		113	70	134			
tert-Butylbenzene	11.4	1	10		114	63	139			
1,2,4-Trimethylbenzene	11.2	1	10		112	70	133			
sec-Butylbenzene	11.7	1	10		117	70	132			
1,3-Dichlorobenzene	10.2	1	10		102	70	130			
1,4-Dichlorobenzene	9.46	1	10		95	70	130			
4-Isopropyltoluene	10.7	1	10		107	40	161			
1,2-Dichlorobenzene	9.25	1	10		93	70	130			
n-Butylbenzene	11.8	1	10		118	69	134			
1,2-Dibromo-3-chloropropane (DBCP)	41.6	3	50		83	67	130			
1,2,4-Trichlorobenzene	9.39	2	10		94	62	131			

L2



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**Date:**

18-Oct-13

## QC Summary Report

**Work Order:**

13101051

Naphthalene	4.61	2	10	46	39	149
1,2,3-Trichlorobenzene	7.77	2	10	78	54	135
Xylenes, Total	19.7	0.5	20	98	70	130
Surr: 1,2-Dichloroethane-d4	9.24		10	92	70	130
Surr: Toluene-d8	9.63		10	96	70	130
Surr: 4-Bromofluorobenzene	9.6		10	96	70	130



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Date:  
18-Oct-13

## QC Summary Report

Work Order:  
13101051

### Sample Matrix Spike

Type MS Test Code: EPA Method SW8260B

File ID: 13101626.D

Batch ID: MS15W1016A

Analysis Date: 10/16/2013 20:37

Sample ID: 13100921-03AMS

Units: µg/L

Run ID: MSD\_15\_131016A

Prep Date: 10/16/2013 20:37

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	35.5	2.5	50	0	71	12	150			
Chloromethane	37	10	50	0	74	26	146			
Vinyl chloride	34.5	2.5	50	0	69	46	142			
Chloroethane	37.3	2.5	50	0	75	25	164			
Bromomethane	28.6	10	50	0	57	10	172			
Trichlorofluoromethane	34.6	2.5	50	1.49	66	32	164			
Acetone	542	50	1000	0	54	10	188			
1,1-Dichloroethene	45.4	2.5	50	0	91	62	133			
Tertiary Butyl Alcohol (TBA)	407	25	500	0	81	44	155			
Dichloromethane	38.4	10	50	0	77	69	130			
Freon-113	39.9	2.5	50	0	80	56	144			
trans-1,2-Dichloroethene	38.1	2.5	50	0	76	67	131			
Methyl tert-butyl ether (MTBE)	44.1	1.3	50	0	88	56	140			
1,1-Dichloroethane	41.5	2.5	50	0	83	67	130			
2-Butanone (MEK)	622	50	1000	0	62	26	183			
Di-isopropyl Ether (DIPE)	43.4	2.5	50	0	87	59	138			
cis-1,2-Dichloroethene	37.6	2.5	50	0	75	70	130			
Bromochloromethane	39.9	2.5	50	0	80	70	134			
Chloroform	37.7	2.5	50	0	75	69	130			
Ethyl Tertiary Butyl Ether (ETBE)	48.5	2.5	50	0	97	62	135			
2,2-Dichloropropane	32.3	2.5	50	0	65	44	149			
1,2-Dichloroethane	37.1	2.5	50	0	74	64	139			
1,1,1-Trichloroethane	38.9	2.5	50	0	78	65	139			
1,1-Dichloropropene	39	2.5	50	0	78	68	134			
Carbon tetrachloride	40.8	2.5	50	0	82	56	146			
Benzene	35.6	1.3	50	0	71	67	134			
Tertiary Amyl Methyl Ether (TAME)	41.1	2.5	50	0	82	64	135			
Dibromomethane	37.4	2.5	50	0	75	70	132			
1,2-Dichloropropane	37.6	2.5	50	0	75	69	134			
Trichloroethene	44.4	2.5	50	5.84	77	68	138			
Bromodichloromethane	41.4	2.5	50	0	83	58	147			
4-Methyl-2-pentanone (MIBK)	88	13	125	0	70	49	140			
cis-1,3-Dichloropropene	32.6	2.5	50	0	65	61	130			
trans-1,3-Dichloropropene	29.5	2.5	50	0	59	62	131			M57
1,1,2-Trichloroethane	43.1	2.5	50	0	86	70	131			
Toluene	38.8	1.3	50	0	78	38	130			
1,3-Dichloropropane	42	2.5	50	0	84	70	130			
2-Hexanone	223	25	500	0	45	25	157			
Dibromochloromethane	40.2	2.5	50	0	80	49	147			
1,2-Dibromoethane (EDB)	86.5	5	100	0	86	70	131			
Tetrachloroethene	50.8	2.5	50	15.04	72	63	134			
1,1,1,2-Tetrachloroethane	40.3	2.5	50	0	81	70	133			
Chlorobenzene	38.3	2.5	50	0	77	70	130			
Ethylbenzene	39.3	1.3	50	0	79	70	130			
m,p-Xylene	45.5	1.3	50	0	91	65	139			
Bromoform	40.4	2.5	50	0	81	60	144			
Styrene	39.1	2.5	50	0	78	53	144			
o-Xylene	42.7	1.3	50	0	85	69	130			
1,1,2,2-Tetrachloroethane	41.5	2.5	50	0	83	67	134			
1,2,3-Trichloropropane	82.1	10	100	0	82	70	130			
Isopropylbenzene	43.9	2.5	50	0	88	64	136			
Bromobenzene	38	2.5	50	0	76	69	130			
n-Propylbenzene	43.9	2.5	50	0	88	65	132			
4-Chlorotoluene	40.6	2.5	50	0	81	69	132			
2-Chlorotoluene	41.8	2.5	50	0	84	69	130			
1,3,5-Trimethylbenzene	46.9	2.5	50	0	94	64	135			
tert-Butylbenzene	44.6	2.5	50	0	89	63	139			
1,2,4-Trimethylbenzene	59.9	2.5	50	0	120	62	135			
sec-Butylbenzene	45.7	2.5	50	0	91	68	132			
1,3-Dichlorobenzene	41.5	2.5	50	0	83	70	130			
1,4-Dichlorobenzene	39.2	2.5	50	0	78	70	130			
4-Isopropyltoluene	43.3	2.5	50	0	87	40	161			
1,2-Dichlorobenzene	39.1	2.5	50	0	78	70	130			
n-Butylbenzene	49.3	2.5	50	0	99	58	135			
1,2-Dibromo-3-chloropropane (DBCP)	220	15	250	0	88	63	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:  
18-Oct-13

## QC Summary Report

Work Order:  
13101051

1,2,4-Trichlorobenzene	55.8	10	50	0	112	57	134
Naphthalene	65	10	50	0	130	31	157
1,2,3-Trichlorobenzene	55.5	10	50	0	111	52	138
Xylenes, Total	88.2	1.3	100	0	88	70	130
Surr: 1,2-Dichloroethane-d4	49.1		50		98	70	130
Surr: Toluene-d8	47.5		50		95	70	130
Surr: 4-Bromofluorobenzene	48.4		50		97	70	130



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Date:  
18-Oct-13

## QC Summary Report

Work Order:  
13101051

### Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8260B**

File ID: **13101627.D**

Batch ID: **MS15W1016A**

Analysis Date: **10/16/2013 20:59**

Sample ID: **13100921-03AMSD**

Units: **µg/L**

Run ID: **MSD\_15\_131016A**

Prep Date: **10/16/2013 20:59**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	31.8	2.5	50	0	64	12	150	35.51	11.0(38)	
Chloromethane	34.8	10	50	0	70	26	146	36.95	5.9(31)	
Vinyl chloride	33.3	2.5	50	0	67	46	142	34.53	3.8(25)	
Chloroethane	36.2	2.5	50	0	72	25	164	37.28	3.0(40)	
Bromomethane	30.6	10	50	0	61	10	172	28.63	6.5(40)	
Trichlorofluoromethane	31.9	2.5	50	1.49	61	32	164	34.58	8.1(34)	
Acetone	479	50	1000	0	48	10	188	541.7	12.3(39)	
1,1-Dichloroethene	42	2.5	50	0	84	62	133	45.42	7.8(35)	
Tertiary Butyl Alcohol (TBA)	353	25	500	0	71	44	155	406.5	14.1(33)	
Dichloromethane	36.1	10	50	0	72	69	130	38.43	6.4(26)	
Freon-113	35.3	2.5	50	0	71	56	144	39.94	12.4(40)	
trans-1,2-Dichloroethene	35.6	2.5	50	0	71	67	131	38.14	7.0(27)	
Methyl tert-butyl ether (MTBE)	42.8	1.3	50	0	86	56	140	44.05	3.0(40)	
1,1-Dichloroethane	38.7	2.5	50	0	77	67	130	41.46	7.0(20)	
2-Butanone (MEK)	571	50	1000	0	57	26	183	622	8.6(22)	
Di-isopropyl Ether (DIPE)	40.3	2.5	50	0	81	59	138	43.41	7.3(20)	
cis-1,2-Dichloroethene	34.8	2.5	50	0	70	70	130	37.59	7.7(20)	
Bromochloromethane	37.5	2.5	50	0	75	70	134	39.93	6.2(20)	
Chloroform	35	2.5	50	0	70	69	130	37.66	7.4(22)	
Ethyl Tertiary Butyl Ether (ETBE)	47	2.5	50	0	94	62	135	48.54	3.3(40)	
2,2-Dichloropropane	29.2	2.5	50	0	58	44	149	32.31	10.2(23)	
1,2-Dichloroethane	34.7	2.5	50	0	69	64	139	37.12	6.7(20)	
1,1,1-Trichloroethane	35.7	2.5	50	0	71	65	139	38.92	8.7(20)	
1,1-Dichloropropene	35.2	2.5	50	0	70	68	134	38.99	10.1(20)	
Carbon tetrachloride	36.9	2.5	50	0	74	56	146	40.77	9.9(21)	
Benzene	33.1	1.3	50	0	66	67	134	35.62	7.5(21)	M2
Tertiary Amyl Methyl Ether (TAME)	39.2	2.5	50	0	78	64	135	41.14	4.7(31)	
Dibromomethane	35.1	2.5	50	0	70	70	132	37.43	6.4(20)	
1,2-Dichloropropane	35.2	2.5	50	0	70	69	134	37.56	6.5(20)	
Trichloroethene	41.3	2.5	50	5.84	71	68	138	44.41	7.2(20)	
Bromodichloromethane	38.3	2.5	50	0	77	58	147	41.44	8.0(20)	
4-Methyl-2-pentanone (MIBK)	78.5	13	125	0	63	49	140	88.01	11.4(24)	
cis-1,3-Dichloropropene	29.8	2.5	50	0	60	61	130	32.58	8.9(20)	M2
trans-1,3-Dichloropropene	26.7	2.5	50	0	53	62	131	29.47	9.8(21)	M57
1,1,2-Trichloroethane	38.4	2.5	50	0	77	70	131	43.12	11.5(20)	
Toluene	35.7	1.3	50	0	71	38	130	38.8	8.5(20)	
1,3-Dichloropropane	39.7	2.5	50	0	79	70	130	41.99	5.7(20)	
2-Hexanone	202	25	500	0	40	25	157	222.8	9.9(23)	
Dibromochloromethane	37.2	2.5	50	0	74	49	147	40.17	7.6(20)	
1,2-Dibromoethane (EDB)	79.9	5	100	0	80	70	131	86.49	7.9(20)	
Tetrachloroethene	47.2	2.5	50	15.04	64	63	134	50.83	7.5(20)	
1,1,1,2-Tetrachloroethane	36.4	2.5	50	0	73	70	133	40.34	10.4(20)	
Chlorobenzene	35.2	2.5	50	0	70	70	130	38.31	8.5(20)	
Ethylbenzene	34.8	1.3	50	0	70	70	130	39.31	12.1(20)	
m,p-Xylene	36.8	1.3	50	0	74	65	139	45.48	21.0(20)	R5
Bromoform	36.9	2.5	50	0	74	60	144	40.37	9.1(21)	
Styrene	35.2	2.5	50	0	70	53	144	39.13	10.5(31)	
o-Xylene	36.7	1.3	50	0	73	69	130	42.68	15.2(20)	
1,1,2,2-Tetrachloroethane	37.8	2.5	50	0	76	67	134	41.53	9.5(20)	
1,2,3-Trichloropropane	74.2	10	100	0	74	70	130	82.09	10.0(20)	
Isopropylbenzene	40.1	2.5	50	0	80	64	136	43.86	8.9(20)	
Bromobenzene	35.6	2.5	50	0	71	69	130	37.98	6.6(20)	
n-Propylbenzene	39	2.5	50	0	78	65	132	43.94	11.9(40)	
4-Chlorotoluene	37.4	2.5	50	0	75	69	132	40.56	8.1(20)	
2-Chlorotoluene	38.3	2.5	50	0	77	69	130	41.82	8.9(20)	
1,3,5-Trimethylbenzene	40.3	2.5	50	0	81	64	135	46.92	15.3(21)	
tert-Butylbenzene	40.2	2.5	50	0	80	63	139	44.59	10.3(20)	
1,2,4-Trimethylbenzene	43.5	2.5	50	0	87	62	135	59.93	31.9(24)	R5
sec-Butylbenzene	40.6	2.5	50	0	81	68	132	45.68	11.7(20)	
1,3-Dichlorobenzene	37.4	2.5	50	0	75	70	130	41.45	10.3(20)	
1,4-Dichlorobenzene	35.5	2.5	50	0	71	70	130	39.2	9.9(20)	
4-Isopropyltoluene	37.8	2.5	50	0	76	40	161	43.34	13.6(22)	
1,2-Dichlorobenzene	36	2.5	50	0	72	70	130	39.1	8.3(20)	
n-Butylbenzene	42.3	2.5	50	0	85	58	135	49.32	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:  
18-Oct-13

## QC Summary Report

Work Order:  
13101051

1,2-Dibromo-3-chloropropane (DBCP)	199	15	250	0	80	63	131	220.2	10.1(29)
1,2,4-Trichlorobenzene	47.5	10	50	0	95	57	134	55.82	16.2(30)
Naphthalene	43.5	10	50	0	87	31	157	65.02	39.6(40)
1,2,3-Trichlorobenzene	46.2	10	50	0	92	52	138	55.54	18.4(39)
Xylenes, Total	73.5	1.3	100	0	73	70	130	88.16	18.2(22)
Surr: 1,2-Dichloroethane-d4	48.9		50		98	70	130		
Surr: Toluene-d8	48.4		50		97	70	130		
Surr: 4-Bromofluorobenzene	49		50		98	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.

L2 = The associated blank spike recovery was below laboratory acceptance limits.

M2 = Matrix spike recovery was low, the method control sample recovery was acceptable.

M57 = Matrix spike recovery was below laboratory acceptance limits.

R5 = MS/MSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

# 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 : CHHL13101051**  
**Report Due By : 5:00 PM On : 21-Oct-13**

**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 : AD

PO :  
 Client's COC # : none

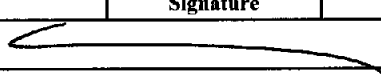
Job : DFSP Norwalk

Cooler Temp	Samples Received	Date Printed
6 °C	10-Oct-13	10-Oct-13

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix	Collection Date	No. of Bottles			Requested Tests						Sample Remarks			
				Alpha	Sub	TAT	TPHE_W	TPHP_W	VOC_W							
CHH13101051-01A	WCW-3	AQ	10/09/13 08:29	5	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate							
CHH13101051-02A	WCW-13	AQ	10/09/13 09:02	5	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate							
CHH13101051-03A	WCW-4	AQ	10/09/13 09:34	5	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate							
CHH13101051-04A	WCW-8	AQ	10/09/13 10:00	5	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate							
CHH13101051-05A	WCW-7	AQ	10/09/13 10:33	5	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate							
CHH13101051-06A	WCW-6	AQ	10/09/13 11:12	5	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate							
CHH13101051-07A	EXP-5	AQ	10/09/13 13:37	5	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate							
CHH13101051-08A	GMW-O-17	AQ	10/09/13 13:05	5	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate							

**Comments:** Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Total Xylenes. :

Signature	Print Name	Company	Date/Time
 _____	Sarah Neri _____	Alpha Analytical, Inc. _____	10/10/13 11:15 _____

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

# 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 : CHHL13101051**  
**Report Due By : 5:00 PM On : 21-Oct-13**

**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 : AD

**PO :**  
 Client's COC # : none                      Job : DFSP Norwalk

<u>Cooler Temp</u>	<u>Samples Received</u>	<u>Date Printed</u>
6 °C	10-Oct-13	10-Oct-13

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix	Collection Date	No. of Bottles			Requested Tests						Sample Remarks			
				Alpha	Sub	TAT	TPHE_W	TPHP_W	VOC_W							
CHH13101051-09A	MW-12	AQ	10/09/13 14:15	5	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate							
CHH13101051-10A	PW-3	AQ	10/09/13 14:52	5	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate							
CHH13101051-11A	HL-2	AQ	10/09/13 15:30	5	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate							
CHH13101051-12A	EB-2	AQ	10/09/13 15:40	5	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate							

**Comments:**      Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Total Xylenes. :

	Signature	Print Name	Company	Date/Time
Logged in by:		Sarah Devi	Alpha Analytical, Inc.	10/10/13 11:15

**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

CONDUCT ANALYSIS TO DETECT

LAB

Alpha Analytical COC <sup>1</sup>/<sub>2</sub> of <sup>2</sup>

Billing Information:  
 Kinder Morgan  
 1100 Town and Country Rd.  
 Orange CA 95112

Kinder Morgan Norwalk  
 Report to:  
 Dan Jablonski  
 CH2MHILL  
 1000 Wilshire Blvd 21st floor  
 Los Angeles, CA 90017

CHAIN OF CUSTODY

CLIENT **Kinder Morgan**

SITE **DFSP Norwalk**

**15306 Norwalk Blvd, Norwalk**

SAMPLE I.D.	DATE	TIME	MATRIX AQ= Water	CONTAINERS			TPHg, TPHd (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
				#	Preservation	Type												
WCW-3	10/09/13	0829	AQ	5	HCl	WDA	X	X										01A
WCW-13		0902					X	X										02A
WCW-4		0934					X	X										03A
WCW-8		1000					X	X										04A
WCW-7		1033					X	X										05A
WCW-16		1112 1117					X	X										06A
EXP-5 WCW-10		1357					X	X										07A
GMW-17		1305					X	X										08A
MW-12		1415					X	X										09A
PCW-3		1452					X	X										10A

SAMPLING COMPLETED DATE 10/9/13 TIME 1540 SAMPLING PERFORMED BY Alex Jeller RESULTS NEEDED NO LATER THAN Standard

RELEASED BY Alex Jeller TIME 1715 RECEIVED BY Nicole DATE 10/9/13 TIME 1715

RELEASED BY Nicole TIME 1730 RECEIVED BY DATE 10/9/13 TIME 1730

RELEASED BY DATE 10/10/13 TIME 1730 RECEIVED BY DATE 10/10/13 TIME 1556

SHIPPED VIA TIME SENT COOLER #

CH2M101051

522  
84

# BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE  
SAN JOSE, CALIFORNIA 95112-1105  
FAX (408) 573-7771  
PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB

Alpha Analytical COC

of

Billing Information:  
Kinder Morgan  
1100 Town and Country Rd.  
Orange CA 95112

Kinder Morgan Norwalk  
Report to:  
Dan Jablonski  
CH2MHILL  
1000 Wilshire Blvd 21st floor  
Los Angeles, CA 90017

TPHg, TPHd (EPA 8015M)

VOC's & Oxygenates (EPA 8260B)

CHAIN OF CUSTODY

CLIENT

Kinder Morgan

SITE

DFSP Norwalk

15306 Norwalk Blvd, Norwalk

SAMPLE I.D.	DATE	TIME	MATRIX AQ= Water	CONTAINERS			TPHg, TPHd (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
				#	Preservation	Type												
HL-2	10/9/13	1530	AQ	5	HCl	VOL	X	X										11A
EB-2	↓	1540	↓	↓	↓	↓	X	X										12A

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN	Standard
	10/9/13	1540	<i>[Signature]</i>		
RELEASED BY	TIME	RECEIVED BY	DATE	TIME	
<i>[Signature]</i>	1715	Nicole	10/9/13	1715	
RELEASED BY	TIME	RECEIVED BY	DATE	TIME	
Nicole	1730	<i>[Signature]</i>	10/9/13	1730	
RELEASED BY	TIME	RECEIVED BY	DATE	TIME	
<i>[Signature]</i>	1730	<i>[Signature]</i>	10/10/13	1056	
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 : 10/10/13

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 :	<b>GMW-13</b>				
Lab ID :	TPH-E (DRO)	ND	0.050 mg/L	10/11/13	10/11/13
Date Sampled	Surr: Nonane	97	(53-145) %REC	10/11/13	10/11/13
	TPH-P (GRO)	ND	0.050 mg/L	10/14/13	10/14/13
	Surr: 1,2-Dichloroethane-d4	104	(70-130) %REC	10/14/13	10/14/13
	Surr: Toluene-d8	102	(70-130) %REC	10/14/13	10/14/13
	Surr: 4-Bromofluorobenzene	99	(70-130) %REC	10/14/13	10/14/13
Client ID :	<b>GMW-37</b>				
Lab ID :	TPH-E (DRO)	ND	0.050 mg/L	10/11/13	10/11/13
Date Sampled	Surr: Nonane	114	(53-145) %REC	10/11/13	10/11/13
	TPH-P (GRO)	ND	0.050 mg/L	10/14/13	10/14/13
	Surr: 1,2-Dichloroethane-d4	109	(70-130) %REC	10/14/13	10/14/13
	Surr: Toluene-d8	99	(70-130) %REC	10/14/13	10/14/13
	Surr: 4-Bromofluorobenzene	97	(70-130) %REC	10/14/13	10/14/13
Client ID :	<b>GMW-SF-7</b>				
Lab ID :	TPH-E (DRO)	ND	0.050 mg/L	10/11/13	10/11/13
Date Sampled	Surr: Nonane	114	(53-145) %REC	10/11/13	10/11/13
	TPH-P (GRO)	ND	0.050 mg/L	10/14/13	10/14/13
	Surr: 1,2-Dichloroethane-d4	104	(70-130) %REC	10/14/13	10/14/13
	Surr: Toluene-d8	100	(70-130) %REC	10/14/13	10/14/13
	Surr: 4-Bromofluorobenzene	96	(70-130) %REC	10/14/13	10/14/13
Client ID :	<b>GMW-SF-8</b>				
Lab ID :	TPH-E (DRO)	ND	0.050 mg/L	10/11/13	10/11/13
Date Sampled	Surr: Nonane	115	(53-145) %REC	10/11/13	10/11/13
	TPH-P (GRO)	ND	0.050 mg/L	10/14/13	10/14/13
	Surr: 1,2-Dichloroethane-d4	108	(70-130) %REC	10/14/13	10/14/13
	Surr: Toluene-d8	99	(70-130) %REC	10/14/13	10/14/13
	Surr: 4-Bromofluorobenzene	97	(70-130) %REC	10/14/13	10/14/13
Client ID :	<b>GMW-O-19</b>				
Lab ID :	TPH-E (DRO)	ND	0.050 mg/L	10/11/13	10/11/13
Date Sampled	Surr: Nonane	132	(53-145) %REC	10/11/13	10/11/13
	TPH-P (GRO)	0.11	0.050 mg/L	10/14/13	10/14/13
	Surr: 1,2-Dichloroethane-d4	113	(70-130) %REC	10/14/13	10/14/13
	Surr: Toluene-d8	101	(70-130) %REC	10/14/13	10/14/13
	Surr: 4-Bromofluorobenzene	98	(70-130) %REC	10/14/13	10/14/13
Client ID :	<b>EB-4</b>				
Lab ID :	TPH-E (DRO)	ND	0.050 mg/L	10/11/13	10/12/13
Date Sampled	Surr: Nonane	119	(53-145) %REC	10/11/13	10/12/13
	TPH-P (GRO)	ND	0.050 mg/L	10/14/13	10/14/13
	Surr: 1,2-Dichloroethane-d4	100	(70-130) %REC	10/14/13	10/14/13
	Surr: Toluene-d8	98	(70-130) %REC	10/14/13	10/14/13
	Surr: 4-Bromofluorobenzene	97	(70-130) %REC	10/14/13	10/14/13



# Alpha Analytical, Inc.

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Diesel Range Organics (DRO) C13-C22

Gasoline Range Organics (GRO) C4-C13

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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*PS*

10/18/13

**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: CHH13101052-01A  
Client I.D. Number: GMW-13

Sampled: 10/09/13 13:17  
Received: 10/10/13  
Extracted: 10/14/13  
Analyzed: 10/14/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	104	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	102	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	99	(70-130) %REC
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			

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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*YAG*

10/18/13  
Report Date

Page 1 of 1



# 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: CHH13101052-02A  
Client I.D. Number: GMW-37

Sampled: 10/09/13 14:03  
Received: 10/10/13  
Extracted: 10/14/13  
Analyzed: 10/14/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	109	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	99	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	97	(70-130) %REC
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			

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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*AS*

10/18/13

Report Date

Page 1 of 1



# 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: CHH13101052-03A  
Client I.D. Number: GMW-SF-7

Sampled: 10/09/13 14:45  
Received: 10/10/13  
Extracted: 10/14/13  
Analyzed: 10/14/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	1.1	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	1.1	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	104	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	100	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	96	(70-130) %REC
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			
38 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			

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: CHH13101052-04A  
Client I.D. Number: GMW-SF-8

Sampled: 10/09/13 15:22  
Received: 10/10/13  
Extracted: 10/14/13  
Analyzed: 10/14/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	108	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	99	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	97	(70-130) %REC
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			

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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*Peg*  
10/18/13

Report Date

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# 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: CHH13101052-05A  
Client I.D. Number: GMW-O-19

Sampled: 10/09/13 12:30  
Received: 10/10/13  
Extracted: 10/14/13  
Analyzed: 10/14/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	113	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	101	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	98	(70-130) %REC
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			

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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*[Signature]*  
10/18/13

Report Date

Page 1 of 1



# 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: CHH13101052-06A  
Client I.D. Number: EB-4

Sampled: 10/09/13 15:50  
Received: 10/10/13  
Extracted: 10/14/13  
Analyzed: 10/14/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	100	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	98	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	97	(70-130) %REC
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			

ND = Not Detected



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*PS*

10/18/13

Report Date

Page 1 of 1



# 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: CHH13101052

Job: DFSP Norwalk

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Alpha's Sample ID	Client's Sample ID	Matrix	pH
13101052-01A	GMW-13	Aqueous	2
13101052-02A	GMW-37	Aqueous	2
13101052-03A	GMW-SF-7	Aqueous	2
13101052-04A	GMW-SF-8	Aqueous	2
13101052-05A	GMW-O-19	Aqueous	2
13101052-06A	EB-4	Aqueous	2

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10/18/13  
Report Date

Page 1 of 1



# Alpha Analytical, Inc.

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Date:  
17-Oct-13

## QC Summary Report

Work Order:  
13101052

### Method Blank

Type: **MBLK** Test Code: **EPA Method SW8015B/C Ext**

File ID: **1A10101360.D**

Batch ID: **31802**

Analysis Date: **10/11/2013 13:21**

Sample ID: **MBLK-31802**

Units : **mg/L**

Run ID: **FID\_1\_131011A**

Prep Date: **10/11/2013 11:52**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	ND	0.05								
Surr: Nonane	0.185		0.15		123	53	145			

### Laboratory Control Spike

Type: **LCS** Test Code: **EPA Method SW8015B/C Ext**

File ID: **1A10101361.D**

Batch ID: **31802**

Analysis Date: **10/11/2013 13:46**

Sample ID: **LCS-31802**

Units : **mg/L**

Run ID: **FID\_1\_131011A**

Prep Date: **10/11/2013 11:52**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.12	0.05	2.5		85	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: **1A10101376.D**

Batch ID: **31802**

Analysis Date: **10/11/2013 20:08**

Sample ID: **13101123-11AMS**

Units : **mg/L**

Run ID: **FID\_1\_131011A**

Prep Date: **10/11/2013 11:52**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.16	0.05	2.5	0.052	84	51	151			
Surr: Nonane	0.137		0.15		91	53	145			

### Sample Matrix Spike Duplicate

Type: **MSD** Test Code: **EPA Method SW8015B/C Ext**

File ID: **1A10101377.D**

Batch ID: **31802**

Analysis Date: **10/11/2013 20:34**

Sample ID: **13101123-11AMSD**

Units : **mg/L**

Run ID: **FID\_1\_131011A**

Prep Date: **10/11/2013 11:52**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.33	0.05	2.5	0.052	91	51	151	2.157	7.9(40)	
Surr: Nonane	0.197		0.15		131	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.



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Date:  
17-Oct-13

## QC Summary Report

Work Order:  
13101052

### Method Blank

Type: **MBLK** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: C:\HPCHEM\MS10\DATA\131014\13101409.D

Batch ID: **MS10W1014B**

Analysis Date: **10/14/2013 15:36**

Sample ID: **MBLK MS10W1014B**

Units: **mg/L**

Run ID: **MSD\_10\_131014A**

Prep Date: **10/14/2013 15:36**

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	0.00948		0.01		95	70	130			
Surr: Toluene-d8	0.0105		0.01		105	70	130			
Surr: 4-Bromofluorobenzene	0.00943		0.01		94	70	130			

### Laboratory Control Spike

Type: **LCS** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: C:\HPCHEM\MS10\DATA\131014\13101406.D

Batch ID: **MS10W1014B**

Analysis Date: **10/14/2013 13:21**

Sample ID: **GLCS MS10W1014B**

Units: **mg/L**

Run ID: **MSD\_10\_131014A**

Prep Date: **10/14/2013 13:21**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	0.355	0.05	0.4		89	70	130			
Surr: 1,2-Dichloroethane-d4	0.0096		0.01		96	70	130			
Surr: Toluene-d8	0.0103		0.01		103	70	130			
Surr: 4-Bromofluorobenzene	0.00941		0.01		94	70	130			

### Sample Matrix Spike

Type: **MS** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: C:\HPCHEM\MS10\DATA\131014\13101426.D

Batch ID: **MS10W1014B**

Analysis Date: **10/14/2013 21:42**

Sample ID: **13101052-01AGS**

Units: **mg/L**

Run ID: **MSD\_10\_131014A**

Prep Date: **10/14/2013 21:42**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2.07	0.25	2	0	104	54	143			
Surr: 1,2-Dichloroethane-d4	0.0494		0.05		99	70	130			
Surr: Toluene-d8	0.0496		0.05		99	70	130			
Surr: 4-Bromofluorobenzene	0.0485		0.05		97	70	130			

### Sample Matrix Spike Duplicate

Type: **MSD** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: C:\HPCHEM\MS10\DATA\131014\13101427.D

Batch ID: **MS10W1014B**

Analysis Date: **10/14/2013 22:03**

Sample ID: **13101052-01AGSD**

Units: **mg/L**

Run ID: **MSD\_10\_131014A**

Prep Date: **10/14/2013 22:03**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2.08	0.25	2	0	104	54	143	2.073	0.2(23)	
Surr: 1,2-Dichloroethane-d4	0.0486		0.05		97	70	130			
Surr: Toluene-d8	0.0505		0.05		101	70	130			
Surr: 4-Bromofluorobenzene	0.0484		0.05		97	70	130			

### Comments:

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# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:  
18-Oct-13

## QC Summary Report

Work Order:  
13101052

### Method Blank

Type MBLK Test Code: EPA Method SW8260B

File ID: C:\HPCHEM\MS10\DATA\131014\13101409.D

Batch ID: MS10W1014A

Analysis Date: 10/14/2013 15:36

Sample ID: MBLK MS10W1014A

Units: µg/L

Run ID: MSD\_10\_131014A

Prep Date: 10/14/2013 15:36

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								
Bromofom	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	9.48		10	95	70
Surr: Toluene-d8	10.5		10	105	70
Surr: 4-Bromofluorobenzene	9.43		10	94	70



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18-Oct-13

## QC Summary Report

Work Order:  
13101052

### Laboratory Control Spike

Type LCS

Test Code: EPA Method SW8260B

File ID: C:\HPCHEM\MS10\DATA\131014\13101407.D

Batch ID: MS10W1014A

Analysis Date: 10/14/2013 14:43

Sample ID: LCS MS10W1014A

Units: µg/L

Run ID: MSD\_10\_131014A

Prep Date: 10/14/2013 14:43

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	13.6	1	10		136	32	145			
Chloromethane	9.06	2	10		91	40	145			
Vinyl chloride	11.2	1	10		112	80	120			
Chloroethane	10.7	1	10		107	38	156			
Bromomethane	6.53	2	10		65	14	162			
Trichlorofluoromethane	8.93	1	10		89	46	154			
Acetone	216	10	200		108	22	188			
1,1-Dichloroethene	10.9	1	10		109	80	120			
Tertiary Butyl Alcohol (TBA)	92.2	10	100		92	48	148			
Dichloromethane	10.1	2	10		101	69	130			
Freon-113	11.5	1	10		115	70	136			
trans-1,2-Dichloroethene	10.6	1	10		106	70	130			
Methyl tert-butyl ether (MTBE)	9.13	0.5	10		91	63	137			
1,1-Dichloroethane	9.85	1	10		99	70	130			
2-Butanone (MEK)	208	10	200		104	26	183			
Di-isopropyl Ether (DIPE)	9.52	1	10		95	69	133			
cis-1,2-Dichloroethene	10.4	1	10		104	70	130			
Bromochloromethane	10.8	1	10		108	70	133			
Chloroform	9.4	1	10		94	80	120			
Ethyl Tertiary Butyl Ether (ETBE)	10.2	1	10		102	66	135			
2,2-Dichloropropane	10.9	1	10		109	70	149			
1,2-Dichloroethane	8.85	1	10		89	70	133			
1,1,1-Trichloroethane	9.8	1	10		98	70	135			
1,1-Dichloropropene	10.4	1	10		104	70	130			
Carbon tetrachloride	10	1	10		100	63	143			
Benzene	9.84	0.5	10		98	70	130			
Tertiary Amyl Methyl Ether (TAME)	10.7	1	10		107	70	133			
Dibromomethane	9.22	1	10		92	70	130			
1,2-Dichloropropane	9.49	1	10		95	80	120			
Trichloroethene	10	1	10		100	68	138			
Bromodichloromethane	9.34	1	10		93	58	147			
4-Methyl-2-pentanone (MIBK)	22.9	2.5	25		91	59	140			
cis-1,3-Dichloropropene	9.95	1	10		100	70	130			
trans-1,3-Dichloropropene	9.57	1	10		96	70	131			
1,1,2-Trichloroethane	9.05	1	10		91	70	130			
Toluene	11.4	0.5	10		114	80	120			
1,3-Dichloropropane	9.9	1	10		99	70	130			
2-Hexanone	107	5	100		107	48	157			
Dibromochloromethane	10.6	1	10		106	49	147			
1,2-Dibromoethane (EDB)	20	2	20		100	70	131			
Tetrachloroethene	11.8	1	10		118	70	130			
Chlorobenzene	11.4	1	10		114	70	130			
Ethylbenzene	11.5	0.5	10		115	80	120			
m,p-Xylene	11.5	0.5	10		115	65	139			
Bromoform	8.96	1	10		90	60	144			
Styrene	11.9	1	10		119	55	144			
o-Xylene	11.7	0.5	10		117	70	130			
1,1,2,2-Tetrachloroethane	10.2	1	10		102	70	130			
1,2,3-Trichloropropane	18.3	2	20		91	70	130			
Isopropylbenzene	12.7	1	10		127	69	136			
Bromobenzene	11.9	1	10		119	70	130			
n-Propylbenzene	12.7	1	10		127	70	132			
4-Chlorotoluene	12.3	1	10		123	70	132			
2-Chlorotoluene	12.4	1	10		124	70	130			
1,3,5-Trimethylbenzene	12.5	1	10		125	70	134			
tert-Butylbenzene	12.6	1	10		126	63	139			
1,2,4-Trimethylbenzene	12.2	1	10		122	70	133			
sec-Butylbenzene	12.7	1	10		127	70	132			
1,3-Dichlorobenzene	11.5	1	10		115	70	130			
1,4-Dichlorobenzene	11.4	1	10		114	70	130			
4-Isopropyltoluene	12.4	1	10		124	40	161			
1,2-Dichlorobenzene	10.7	1	10		107	70	130			
n-Butylbenzene	12.3	1	10		123	69	134			
1,2-Dibromo-3-chloropropane (DBCP)	51.3	3	50		103	67	130			
1,2,4-Trichlorobenzene	11	2	10		110	62	131			





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**Date:**

18-Oct-13

## QC Summary Report

**Work Order:**

13101052

Naphthalene	10.8	2	10	108	39	149
1,2,3-Trichlorobenzene	10.5	2	10	105	54	135
Xylenes, Total	23.2	0.5	20	116	70	130
Surr: 1,2-Dichloroethane-d4	8.93		10	89	70	130
Surr: Toluene-d8	10.5		10	105	70	130
Surr: 4-Bromofluorobenzene	10.4		10	104	70	130



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Date:  
18-Oct-13

## QC Summary Report

Work Order:  
13101052

### Sample Matrix Spike

Type MS Test Code: EPA Method SW8260B

File ID: C:\HPCHEM\MS10\DATA\131014\13101424.D

Batch ID: MS10W1014A

Analysis Date: 10/14/2013 20:59

Sample ID: 13101052-01AMS

Units: µg/L

Run ID: MSD\_10\_131014A

Prep Date: 10/14/2013 20:59

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	71.3	2.5	50	0	143	12	150			
Chloromethane	50.5	10	50	0	101	26	146			
Vinyl chloride	68.9	2.5	50	0	138	46	142			
Chloroethane	77.9	2.5	50	0	156	25	164			
Bromomethane	34	10	50	0	68	10	172			
Trichlorofluoromethane	69.5	2.5	50	0	139	32	164			
Acetone	970	50	1000	0	97	10	188			
1,1-Dichloroethene	58.8	2.5	50	0	118	62	133			
Tertiary Butyl Alcohol (TBA)	493	25	500	0	99	44	155			
Dichloromethane	56.3	10	50	0	113	69	130			
Freon-113	59.7	2.5	50	0	119	56	144			
trans-1,2-Dichloroethene	57.7	2.5	50	0	115	67	131			
Methyl tert-butyl ether (MTBE)	59.5	1.3	50	0	119	56	140			
1,1-Dichloroethane	56.5	2.5	50	0	113	67	130			
2-Butanone (MEK)	1140	50	1000	0	114	26	183			
Di-isopropyl Ether (DIPE)	58.6	2.5	50	0	117	59	138			
cis-1,2-Dichloroethene	57.1	2.5	50	0	114	70	130			
Bromochloromethane	57.5	2.5	50	0	115	70	134			
Chloroform	54.3	2.5	50	0	109	69	130			
Ethyl Tertiary Butyl Ether (ETBE)	63.6	2.5	50	0	127	62	135			
2,2-Dichloropropane	53.8	2.5	50	0	108	44	149			
1,2-Dichloroethane	56.3	2.5	50	0	113	64	139			
1,1,1-Trichloroethane	55.9	2.5	50	0	112	65	139			
1,1-Dichloropropene	58.8	2.5	50	0	118	68	134			
Carbon tetrachloride	56.4	2.5	50	0	113	56	146			
Benzene	54.4	1.3	50	0	109	67	134			
Tertiary Amyl Methyl Ether (TAME)	63.7	2.5	50	0	127	64	135			
Dibromomethane	55.5	2.5	50	0	111	70	132			
1,2-Dichloropropane	56	2.5	50	0	112	69	134			
Trichloroethene	52.9	2.5	50	0	106	68	138			
Bromodichloromethane	56.2	2.5	50	0	112	58	147			
4-Methyl-2-pentanone (MIBK)	149	13	125	0	119	49	140			
cis-1,3-Dichloropropene	54.9	2.5	50	0	110	61	130			
trans-1,3-Dichloropropene	55.4	2.5	50	0	111	62	131			
1,1,2-Trichloroethane	53.5	2.5	50	0	107	70	131			
Toluene	57.2	1.3	50	0	114	38	130			
1,3-Dichloropropane	56.2	2.5	50	0	112	70	130			
2-Hexanone	430	25	500	0	86	25	157			
Dibromochloromethane	56.4	2.5	50	0	113	49	147			
1,2-Dibromoethane (EDB)	113	5	100	0	113	70	131			
Tetrachloroethene	55.1	2.5	50	0	110	63	134			
1,1,1,2-Tetrachloroethane	59.2	2.5	50	0	118	70	133			
Chlorobenzene	59.1	2.5	50	0	118	70	130			
Ethylbenzene	58.7	1.3	50	0	117	70	130			
m,p-Xylene	59.1	1.3	50	0	118	65	139			
Bromoform	49.3	2.5	50	0	99	60	144			
Styrene	62.4	2.5	50	0	125	53	144			
o-Xylene	61.4	1.3	50	0	123	69	130			
1,1,2,2-Tetrachloroethane	64	2.5	50	0	128	67	134			
1,2,3-Trichloropropane	119	10	100	0	119	70	130			
Isopropylbenzene	60.2	2.5	50	0	120	64	136			
Bromobenzene	56.8	2.5	50	0	114	69	130			
n-Propylbenzene	59.6	2.5	50	0	119	65	132			
4-Chlorotoluene	60.8	2.5	50	0	122	69	132			
2-Chlorotoluene	59.4	2.5	50	0	119	69	130			
1,3,5-Trimethylbenzene	63.2	2.5	50	0	126	64	135			
tert-Butylbenzene	60	2.5	50	0	120	63	139			
1,2,4-Trimethylbenzene	61.2	2.5	50	0	122	62	135			
sec-Butylbenzene	59.4	2.5	50	0	119	68	132			
1,3-Dichlorobenzene	58	2.5	50	0	116	70	130			
1,4-Dichlorobenzene	57.7	2.5	50	0	115	70	130			
4-Isopropyltoluene	59	2.5	50	0	118	40	161			
1,2-Dichlorobenzene	56	2.5	50	0	112	70	130			
n-Butylbenzene	59.5	2.5	50	0	119	58	135			
1,2-Dibromo-3-chloropropane (DBCP)	291	15	250	0	116	63	131			



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## QC Summary Report

Work Order:

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1,2,4-Trichlorobenzene	57.9	10	50	0	116	57	134
Naphthalene	61.8	10	50	0	124	31	157
1,2,3-Trichlorobenzene	56.5	10	50	0	113	52	138
Xylenes, Total	120	1.3	100	0	120	70	130
Surr: 1,2-Dichloroethane-d4	54.4		50		109	70	130
Surr: Toluene-d8	49.3		50		99	70	130
Surr: 4-Bromofluorobenzene	47.5		50		95	70	130



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Date:  
18-Oct-13

## QC Summary Report

Work Order:  
13101052

### Sample Matrix Spike Duplicate

Type MSD Test Code: EPA Method SW8260B

File ID: C:\HPCHEM\MS10\DATA\131014\13101425.D

Batch ID: MS10W1014A

Analysis Date: 10/14/2013 21:20

Sample ID: 13101052-01AMSD

Units: µg/L

Run ID: MSD\_10\_131014A

Prep Date: 10/14/2013 21:20

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	80.3	2.5	50	0	161	12	150	71.26	11.9(38)	M1
Chloromethane	56.1	10	50	0	112	26	146	50.54	10.4(31)	
Vinyl chloride	76	2.5	50	0	152	46	142	68.88	9.9(25)	M1
Chloroethane	82.2	2.5	50	0	164	25	164	77.88	5.4(40)	
Bromomethane	44.2	10	50	0	88	10	172	34.04	25.9(40)	
Trichlorofluoromethane	71.2	2.5	50	0	142	32	184	69.54	2.4(34)	
Acetone	1020	50	1000	0	102	10	188	970.5	4.7(39)	
1,1-Dichloroethene	61.4	2.5	50	0	123	62	133	58.76	4.3(35)	
Tertiary Butyl Alcohol (TBA)	514	25	500	0	103	44	155	493.4	4.2(33)	
Dichloromethane	57.5	10	50	0	115	69	130	56.33	2.1(26)	
Freon-113	63.5	2.5	50	0	127	56	144	59.67	6.1(40)	
trans-1,2-Dichloroethene	59.6	2.5	50	0	119	67	131	57.68	3.3(27)	
Methyl tert-butyl ether (MTBE)	60.4	1.3	50	0	121	56	140	59.49	1.5(40)	
1,1-Dichloroethane	58.3	2.5	50	0	117	67	130	56.49	3.1(20)	
2-Butanone (MEK)	1180	50	1000	0	118	26	183	1143	3.4(22)	
Di-isopropyl Ether (DIPE)	61	2.5	50	0	122	59	138	58.63	3.9(20)	
cis-1,2-Dichloroethene	59.5	2.5	50	0	119	70	130	57.11	4.2(20)	
Bromochloromethane	60.4	2.5	50	0	121	70	134	57.51	4.9(20)	
Chloroform	56.5	2.5	50	0	113	69	130	54.28	4.0(22)	
Ethyl Tertiary Butyl Ether (ETBE)	65.5	2.5	50	0	131	62	135	63.62	2.9(40)	
2,2-Dichloropropane	55.5	2.5	50	0	111	44	149	53.81	3.1(23)	
1,2-Dichloroethane	57.7	2.5	50	0	115	64	139	56.26	2.5(20)	
1,1,1-Trichloroethane	58.1	2.5	50	0	116	65	139	55.89	3.8(20)	
1,1-Dichloropropene	61.5	2.5	50	0	123	68	134	58.79	4.5(20)	
Carbon tetrachloride	58.9	2.5	50	0	118	56	146	56.4	4.4(21)	
Benzene	57.1	1.3	50	0	114	67	134	54.36	5.0(21)	
Tertiary Amyl Methyl Ether (TAME)	67.1	2.5	50	0	134	64	135	63.74	5.1(31)	
Dibromomethane	57.3	2.5	50	0	115	70	132	55.5	3.2(20)	
1,2-Dichloropropane	58.7	2.5	50	0	117	69	134	56.03	4.7(20)	
Trichloroethene	55.2	2.5	50	0	110	68	138	52.86	4.2(20)	
Bromodichloromethane	58.6	2.5	50	0	117	58	147	56.2	4.2(20)	
4-Methyl-2-pentanone (MIBK)	155	13	125	0	124	49	140	149.3	4.0(24)	
cis-1,3-Dichloropropene	57.1	2.5	50	0	114	61	130	54.9	3.9(20)	
trans-1,3-Dichloropropene	58.2	2.5	50	0	116	62	131	55.35	5.1(21)	
1,1,2-Trichloroethane	55.8	2.5	50	0	112	70	131	53.52	4.2(20)	
Toluene	58.7	1.3	50	0	117	38	130	57.22	2.5(20)	
1,3-Dichloropropane	56.7	2.5	50	0	113	70	130	56.18	0.9(20)	
2-Hexanone	440	25	500	0	88	25	157	430.3	2.3(23)	
Dibromochloromethane	57.2	2.5	50	0	114	49	147	56.37	1.4(20)	
1,2-Dibromoethane (EDB)	114	5	100	0	114	70	131	112.9	0.8(20)	
Tetrachloroethene	56.7	2.5	50	0	113	63	134	55.06	2.9(20)	
1,1,1,2-Tetrachloroethane	60.6	2.5	50	0	121	70	133	59.16	2.4(20)	
Chlorobenzene	60.8	2.5	50	0	122	70	130	59.05	2.9(20)	
Ethylbenzene	60.7	1.3	50	0	121	70	130	58.72	3.4(20)	
m,p-Xylene	61.1	1.3	50	0	122	65	139	59.08	3.4(20)	
Bromofom	50.5	2.5	50	0	101	60	144	49.33	2.3(21)	
Styrene	65.3	2.5	50	0	131	53	144	62.36	4.6(31)	
o-Xylene	63	1.3	50	0	126	69	130	61.39	2.6(20)	
1,1,2,2-Tetrachloroethane	63.7	2.5	50	0	127	67	134	63.96	0.4(20)	
1,2,3-Trichloropropane	118	10	100	0	118	70	130	119.4	1.0(20)	
Isopropylbenzene	62.7	2.5	50	0	125	64	136	60.23	3.9(20)	
Bromobenzene	59.9	2.5	50	0	120	69	130	56.81	5.3(20)	
n-Propylbenzene	63.2	2.5	50	0	126	65	132	59.62	5.9(40)	
4-Chlorotoluene	63.2	2.5	50	0	126	69	132	60.83	3.8(20)	
2-Chlorotoluene	62.4	2.5	50	0	125	69	130	59.44	4.9(20)	
1,3,5-Trimethylbenzene	65.9	2.5	50	0	132	64	135	63.23	4.1(21)	
tert-Butylbenzene	62.4	2.5	50	0	125	63	139	59.98	4.0(20)	
1,2,4-Trimethylbenzene	63.6	2.5	50	0	127	62	135	61.16	4.0(24)	
sec-Butylbenzene	61.2	2.5	50	0	122	68	132	59.38	3.0(20)	
1,3-Dichlorobenzene	60.7	2.5	50	0	121	70	130	57.96	4.6(20)	
1,4-Dichlorobenzene	60.6	2.5	50	0	121	70	130	57.66	4.9(20)	
4-Isopropyltoluene	62.4	2.5	50	0	125	40	161	58.95	5.6(22)	
1,2-Dichlorobenzene	59.1	2.5	50	0	118	70	130	56	5.4(20)	
n-Butylbenzene	63.4	2.5	50	0	127	58	135	59.52	6.4(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:  
18-Oct-13

## QC Summary Report

Work Order:  
13101052

1,2-Dibromo-3-chloropropane (DBCP)	298	15	250	0	119	63	131	291.2	2.3(29)
1,2,4-Trichlorobenzene	61.3	10	50	0	123	57	134	57.89	5.7(30)
Naphthalene	65.4	10	50	0	131	31	157	61.8	5.7(40)
1,2,3-Trichlorobenzene	61.5	10	50	0	123	52	138	56.45	8.5(39)
Xylenes, Total	124	1.3	100	0	124	70	130	120.5	3.0(22)
Surr: 1,2-Dichloroethane-d4	54.2		50		108	70	130		
Surr: Toluene-d8	48.1		50		96	70	130		
Surr: 4-Bromofluorobenzene	47		50		94	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.

M1 = Matrix spike recovery was high, the method control sample recovery was acceptable.

# 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 : CHHL13101052**  
**Report Due By : 5:00 PM On : 21-Oct-13**

**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 : KO

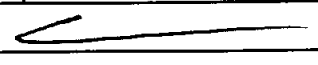
PO :  
 Client's COC # : none Job : DFSP Norwalk

Cooler Temp	Samples Received	Date Printed
6 °C	10-Oct-13	10-Oct-13

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix	Collection Date	No. of Bottles			Requested Tests						Sample Remarks			
				Alpha	Sub	TAT	TPHE_W	TPHP_W	VOC_W							
CHH13101052-01A	GMW-13	AQ	10/09/13 13:17	6	0	7	TPHE(0.05)+Vinyl acetate	TPHE(0.05)+Vinyl acetate	TPHE(0.05)+Vinyl acetate							
CHH13101052-02A	GMW-37	AQ	10/09/13 14:03	6	0	7	TPHE(0.05)+Vinyl acetate	TPHE(0.05)+Vinyl acetate	TPHE(0.05)+Vinyl acetate							
CHH13101052-03A	GMW-SF-7	AQ	10/09/13 14:45	6	0	7	TPHE(0.05)+Vinyl acetate	TPHE(0.05)+Vinyl acetate	TPHE(0.05)+Vinyl acetate							
CHH13101052-04A	GMW-SF-8	AQ	10/09/13 15:22	6	0	7	TPHE(0.05)+Vinyl acetate	TPHE(0.05)+Vinyl acetate	TPHE(0.05)+Vinyl acetate							
CHH13101052-05A	GMW-O-19	AQ	10/09/13 12:30	6	0	7	TPHE(0.05)+Vinyl acetate	TPHE(0.05)+Vinyl acetate	TPHE(0.05)+Vinyl acetate							
CHH13101052-06A	EB-4	AQ	10/09/13 15:50	6	0	7	TPHE(0.05)+Vinyl acetate	TPHE(0.05)+Vinyl acetate	TPHE(0.05)+Vinyl acetate							

**Comments:** Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Total Xylenes. :

Signature	Print Name	Company	Date/Time
	Sarah Nim	Alpha Analytical, Inc.	10/10/13 147

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

CONDUCT ANALYSIS TO DETECT

LAB

Alpha Analytical COC <sup>2</sup> of <sup>1</sup>

Billing Information:  
 Kinder Morgan  
 1100 Town and Country Rd.  
 Orange CA 95112

Kinder Morgan Norwalk  
 Report to:  
 Dan Jablonski  
 CH2MHILL  
 1000 Wilshire Blvd 21st floor  
 Los Angeles, CA 90017

TPHg, TPHd (EPA 8015M)  
 VOC's & Oxygenates (EPA 8260B)

CHAIN OF CUSTODY

CLIENT **Kinder Morgan**

SITE **DFSP Norwalk**

**15306 Norwalk Blvd, Norwalk**

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS			TPHg, TPHd (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
			AQ= Water	#	Preservation	Type												
GMW-13	10/09/13	1317	AG	5	11C1	VOCs	X	X										CH2M01052 D1A
GMW-37		1403					X	X										D2A
GMW-SF-7		1445					X	X										D3A
GMW-SF8		1522					X	X										D4A
GMW-0-12	✓	1230	✓				X	X										D5A
EV-4	✓	1550	✓	✓	✓	✓	X	X										D6A

SAMPLING COMPLETED DATE 10/09/13 TIME 1550 SAMPLING PERFORMED BY KO RESULTS NEEDED NO LATER THAN Standard

RELEASED BY [Signature] TIME 1715 RECEIVED BY Nicole DATE 10/9/13 TIME 1715

RELEASED BY Nicole TIME 1730 RECEIVED BY [Signature] DATE 10/9/13 TIME 1730

RELEASED BY [Signature] TIME 1730 RECEIVED BY Alpha DATE 10/10/13 TIME 1142

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 : 10/10/13

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 :	<b>GMW-O-1</b>				
Lab ID :	TPH-E (DRO)	ND	0.050 mg/L	10/11/13	10/11/13
Date Sampled	Surr: Nonane	110	(53-145) %REC	10/11/13	10/11/13
	TPH-P (GRO)	ND	0.050 mg/L	10/14/13	10/14/13
	Surr: 1,2-Dichloroethane-d4	85	(70-130) %REC	10/14/13	10/14/13
	Surr: Toluene-d8	103	(70-130) %REC	10/14/13	10/14/13
	Surr: 4-Bromofluorobenzene	100	(70-130) %REC	10/14/13	10/14/13
Client ID :	<b>GMW-O-2</b>				
Lab ID :	TPH-E (DRO)	ND	0.050 mg/L	10/11/13	10/11/13
Date Sampled	Surr: Nonane	104	(53-145) %REC	10/11/13	10/11/13
	TPH-P (GRO)	ND	0.050 mg/L	10/14/13	10/14/13
	Surr: 1,2-Dichloroethane-d4	85	(70-130) %REC	10/14/13	10/14/13
	Surr: Toluene-d8	102	(70-130) %REC	10/14/13	10/14/13
	Surr: 4-Bromofluorobenzene	102	(70-130) %REC	10/14/13	10/14/13
Client ID :	<b>GMW-O-3</b>				
Lab ID :	TPH-E (DRO)	ND	0.050 mg/L	10/11/13	10/11/13
Date Sampled	Surr: Nonane	80	(53-145) %REC	10/11/13	10/11/13
	TPH-P (GRO)	ND	0.050 mg/L	10/14/13	10/14/13
	Surr: 1,2-Dichloroethane-d4	87	(70-130) %REC	10/14/13	10/14/13
	Surr: Toluene-d8	104	(70-130) %REC	10/14/13	10/14/13
	Surr: 4-Bromofluorobenzene	101	(70-130) %REC	10/14/13	10/14/13
Client ID :	<b>GMW-O-4</b>				
Lab ID :	TPH-E (DRO)	ND	0.050 mg/L	10/11/13	10/11/13
Date Sampled	Surr: Nonane	92	(53-145) %REC	10/11/13	10/11/13
	TPH-P (GRO)	ND	0.050 mg/L	10/14/13	10/14/13
	Surr: 1,2-Dichloroethane-d4	87	(70-130) %REC	10/14/13	10/14/13
	Surr: Toluene-d8	105	(70-130) %REC	10/14/13	10/14/13
	Surr: 4-Bromofluorobenzene	101	(70-130) %REC	10/14/13	10/14/13
Client ID :	<b>GMW-O-5</b>				
Lab ID :	TPH-E (DRO)	ND	0.050 mg/L	10/11/13	10/11/13
Date Sampled	Surr: Nonane	86	(53-145) %REC	10/11/13	10/11/13
	TPH-P (GRO)	ND	0.050 mg/L	10/14/13	10/14/13
	Surr: 1,2-Dichloroethane-d4	87	(70-130) %REC	10/14/13	10/14/13
	Surr: Toluene-d8	103	(70-130) %REC	10/14/13	10/14/13
	Surr: 4-Bromofluorobenzene	102	(70-130) %REC	10/14/13	10/14/13
Client ID :	<b>EB-3</b>				
Lab ID :	TPH-E (DRO)	ND	0.050 mg/L	10/11/13	10/12/13
Date Sampled	Surr: Nonane	114	(53-145) %REC	10/11/13	10/12/13
	TPH-P (GRO)	ND	0.050 mg/L	10/14/13	10/14/13
	Surr: 1,2-Dichloroethane-d4	87	(70-130) %REC	10/14/13	10/14/13
	Surr: Toluene-d8	106	(70-130) %REC	10/14/13	10/14/13
	Surr: 4-Bromofluorobenzene	101	(70-130) %REC	10/14/13	10/14/13





# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Diesel Range Organics (DRO) C13-C22

Gasoline Range Organics (GRO) C4-C13

ND = Not Detected



*Roger Scholl*     *Randy Gardner*     *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 in any way.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.



*PS*

10/18/13

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: CHH13101053-01A  
Client I.D. Number: GMW-O-1

Sampled: 10/09/13 12:10  
Received: 10/10/13  
Extracted: 10/14/13  
Analyzed: 10/14/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethane	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	85	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	103	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	100	(70-130) %REC
31 1,2-Dichloropropene	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			

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

Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

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*PH*

10/18/13  
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: CHH13101053-02A  
Client I.D. Number: GMW-O-2

Sampled: 10/09/13 13:05  
Received: 10/10/13  
Extracted: 10/14/13  
Analyzed: 10/14/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethane	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethane	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethane	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	85	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	102	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	102	(70-130) %REC
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			

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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*[Signature]*  
10/18/13  
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: CHH13101053-03A  
Client I.D. Number: GMW-O-3

Sampled: 10/09/13 13:47  
Received: 10/10/13  
Extracted: 10/14/13  
Analyzed: 10/14/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	87	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	104	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	101	(70-130) %REC
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			

ND = Not Detected



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*AS*  
10/18/13  
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: CHH13101053-04A  
Client I.D. Number: GMW-O-4

Sampled: 10/09/13 14:19  
Received: 10/10/13  
Extracted: 10/14/13  
Analyzed: 10/14/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	87	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	105	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	101	(70-130) %REC
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			

ND = Not Detected



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*RS*  
10/18/13

Report Date

Page 1 of 1



# 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: CHH13101053-05A  
Client I.D. Number: GMW-O-5

Sampled: 10/09/13 15:02  
Received: 10/10/13  
Extracted: 10/14/13  
Analyzed: 10/14/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethane	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethane	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethane	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	87	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	103	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	102	(70-130) %REC
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			

ND = Not Detected



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Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer  
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*10/18/13*  
10/18/13  
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: CHH13101053-06A  
Client I.D. Number: EB-3

Sampled: 10/09/13 15:15  
Received: 10/10/13  
Extracted: 10/14/13  
Analyzed: 10/14/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethane	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	87	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	106	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	101	(70-130) %REC
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			

ND = Not Detected



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*Ag*

10/18/13

Report Date

Page 1 of 1



# 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

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Work Order: CHH13101053

Job: DFSP Norwalk

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Alpha's Sample ID	Client's Sample ID	Matrix	pH
13101053-01A	GMW-O-1	Aqueous	2
13101053-02A	GMW-O-2	Aqueous	2
13101053-03A	GMW-O-3	Aqueous	2
13101053-04A	GMW-O-4	Aqueous	2
13101053-05A	GMW-O-5	Aqueous	2
13101053-06A	EB-3	Aqueous	2

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10/18/13  
Report Date

Page 1 of 1





# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## QC Summary Report

Date:  
15-Oct-13

Work Order:  
13101053

### Method Blank

File ID: 2A10041390.D

Sample ID: MBLK-31803

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	ND	0.05								
Surr: Nonane	0.183		0.15		122	53	145			

### Laboratory Control Spike

File ID: 2A10041391.D

Sample ID: LCS-31803

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.15	0.05	2.5		86	70	130			
Surr: Nonane	0.171		0.15		114	53	145			

### Sample Matrix Spike

File ID: 2A10041394.D

Sample ID: 13101035-01AMS

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	3.96	0.05	2.5	0	158	51	151			M1
Surr: Nonane	0.198		0.15		132	53	145			

### Sample Matrix Spike Duplicate

File ID: 2A10041395.D

Sample ID: 13101035-01AMSD

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.71	0.05	2.5	0	108	51	151	3.962	37.7(40)	
Surr: Nonane	0.178		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.

M1 = Matrix spike recovery was high, the method control sample recovery was acceptable.



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Date:  
18-Oct-13

## QC Summary Report

Work Order:  
13101053

### Method Blank

File ID: 13101405.D

Sample ID: MBLK MS15W1014B

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	0.00818		0.01		82	70	130			
Surr: Toluene-d8	0.0105		0.01		105	70	130			
Surr: 4-Bromofluorobenzene	0.0101		0.01		101	70	130			

### Laboratory Control Spike

File ID: 13101403.D

Sample ID: GLCS MS15W1014B

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	0.372	0.05	0.4		93	70	130			
Surr: 1,2-Dichloroethane-d4	0.00795		0.01		80	70	130			
Surr: Toluene-d8	0.0105		0.01		105	70	130			
Surr: 4-Bromofluorobenzene	0.0102		0.01		102	70	130			

### Sample Matrix Spike

File ID: 13101430.D

Sample ID: 13101048-02AGS

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.68	0.25	2	0	84	54	143			
Surr: 1,2-Dichloroethane-d4	0.0423		0.05		85	70	130			
Surr: Toluene-d8	0.0512		0.05		102	70	130			
Surr: 4-Bromofluorobenzene	0.0495		0.05		99	70	130			

### Sample Matrix Spike Duplicate

File ID: 13101431.D

Sample ID: 13101048-02AGSD

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.99	0.25	2	0	99.6	54	143	1.676	17.2(23)	
Surr: 1,2-Dichloroethane-d4	0.0433		0.05		87	70	130			
Surr: Toluene-d8	0.05		0.05		100	70	130			
Surr: 4-Bromofluorobenzene	0.0493		0.05		99	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:**

18-Oct-13

## QC Summary Report

**Work Order:**

13101053

n-Butylbenzene	ND	1				
1,2-Dibromo-3-chloropropane (DBCP)	ND	5				
1,2,4-Trichlorobenzene	ND	2				
Naphthalene	ND	10				
1,2,3-Trichlorobenzene	ND	2				
Xylenes, Total	ND	0.5				
Surr: 1,2-Dichloroethane-d4	8.18		10	82	70	130
Surr: Toluene-d8	10.5		10	105	70	130
Surr: 4-Bromofluorobenzene	10.1		10	101	70	130



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Date:  
18-Oct-13

## QC Summary Report

Work Order:  
13101053

### Laboratory Control Spike

Type LCS Test Code: EPA Method SW8280B

File ID: 13101402.D

Batch ID: MS15W1014A

Analysis Date: 10/14/2013 10:26

Sample ID: LCS MS15W1014A

Units : µg/L

Run ID: MSD\_15\_131014A

Prep Date: 10/14/2013 10:26

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	9.58	1	10		96	32	145			
Chloromethane	9.93	2	10		99	40	145			
Vinyl chloride	8.62	1	10		86	80	120			
Chloroethane	8.46	1	10		85	38	156			
Bromomethane	9.43	2	10		94	14	162			
Trichlorofluoromethane	7.8	1	10		78	46	154			
Acetone	164	10	200		82	22	188			
1,1-Dichloroethene	9.93	1	10		99	80	120			
Tertiary Butyl Alcohol (TBA)	86.9	10	100		87	48	148			
Dichloromethane	8.57	2	10		86	69	130			
Freon-113	9.46	1	10		95	70	136			
trans-1,2-Dichloroethene	8.65	1	10		87	70	130			
Methyl tert-butyl ether (MTBE)	8.54	0.5	10		85	63	137			
1,1-Dichloroethane	9.16	1	10		92	70	130			
2-Butanone (MEK)	135	10	200		67	26	183			
Di-isopropyl Ether (DIPE)	9.4	1	10		94	69	133			
cis-1,2-Dichloroethene	8.31	1	10		83	70	130			
Bromochloromethane	8.59	1	10		86	70	133			
Chloroform	8.3	1	10		83	80	120			
Ethyl Tertiary Butyl Ether (ETBE)	9.75	1	10		98	66	135			
2,2-Dichloropropane	8.55	1	10		86	70	149			
1,2-Dichloroethane	7.61	1	10		76	70	133			
1,1,1-Trichloroethane	9.1	1	10		91	70	135			
1,1-Dichloropropene	8.98	1	10		90	70	130			
Carbon tetrachloride	10.9	1	10		109	63	143			
Benzene	8.02	0.5	10		80	70	130			
Tertiary Amyl Methyl Ether (TAME)	7.8	1	10		78	70	133			
Dibromomethane	7.75	1	10		78	70	130			
1,2-Dichloropropane	8.41	1	10		84	80	120			
Trichloroethene	8.92	1	10		89	68	138			
Bromodichloromethane	9.2	1	10		92	58	147			
4-Methyl-2-pentanone (MIBK)	16.5	2.5	25		66	59	140			
cis-1,3-Dichloropropene	7.79	1	10		78	70	130			
trans-1,3-Dichloropropene	6.34	1	10		63	70	131			L50
1,1,2-Trichloroethane	8.56	1	10		86	70	130			
Toluene	9.07	0.5	10		91	80	120			
1,3-Dichloropropane	8.91	1	10		89	70	130			
2-Hexanone	65.9	5	100		66	48	157			
Dibromochloromethane	9.05	1	10		91	49	147			
1,2-Dibromoethane (EDB)	18.1	2	20		90	70	131			
Tetrachloroethene	9.3	1	10		93	70	130			
Chlorobenzene	8.81	1	10		88	70	130			
Ethylbenzene	9	0.5	10		90	80	120			
m,p-Xylene	9.29	0.5	10		93	65	139			
Bromoform	8.72	1	10		87	60	144			
Styrene	8.6	1	10		86	55	144			
o-Xylene	9.32	0.5	10		93	70	130			
1,1,2,2-Tetrachloroethane	8.04	1	10		80	70	130			
1,2,3-Trichloropropane	16	2	20		80	70	130			
Isopropylbenzene	11	1	10		110	69	136			
Bromobenzene	8.88	1	10		89	70	130			
n-Propylbenzene	10.8	1	10		108	70	132			
4-Chlorotoluene	9.97	1	10		99.7	70	132			
2-Chlorotoluene	10.3	1	10		103	70	130			
1,3,5-Trimethylbenzene	10.8	1	10		108	70	134			
tert-Butylbenzene	11.1	1	10		111	63	139			
1,2,4-Trimethylbenzene	10.8	1	10		108	70	133			
sec-Butylbenzene	11.4	1	10		114	70	132			
1,3-Dichlorobenzene	9.68	1	10		97	70	130			
1,4-Dichlorobenzene	9.01	1	10		90	70	130			
4-Isopropyltoluene	10.5	1	10		105	40	161			
1,2-Dichlorobenzene	8.73	1	10		87	70	130			
n-Butylbenzene	11.6	1	10		116	69	134			
1,2-Dibromo-3-chloropropane (DBCP)	40.5	3	50		81	67	130			
1,2,4-Trichlorobenzene	10.1	2	10		101	62	131			



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18-Oct-13

## QC Summary Report

Work Order:  
13101053

Naphthalene	5.9	2	10	59	39	149
1,2,3-Trichlorobenzene	8.84	2	10	88	54	135
Xylenes, Total	18.6	0.5	20	93	70	130
Surr: 1,2-Dichloroethane-d4	8.62		10	86	70	130
Surr: Toluene-d8	9.93		10	99	70	130
Surr: 4-Bromofluorobenzene	10.1		10	101	70	130



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Date:  
18-Oct-13

## QC Summary Report

Work Order:  
13101053

### Sample Matrix Spike

File ID: 13101428.D

Sample ID: 13101048-02AMS

Type MS

Test Code: EPA Method SW8260B

Batch ID: MS15W1014A

Analysis Date: 10/14/2013 20:15

Run ID: MSD\_15\_131014A

Prep Date: 10/14/2013 20:15

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	30.7	2.5	50	0	61	12	150			
Chloromethane	35.1	10	50	0	70	26	146			
Vinyl chloride	35.9	2.5	50	0	72	46	142			
Chloroethane	41.4	2.5	50	0	83	25	164			
Bromomethane	26.5	10	50	0	53	10	172			
Trichlorofluoromethane	37.1	2.5	50	0	74	32	164			
Acetone	569	50	1000	0	57	10	188			
1,1-Dichloroethene	50.4	2.5	50	0	101	62	133			
Tertiary Butyl Alcohol (TBA)	521	25	500	0	104	44	155			
Dichloromethane	43.1	10	50	0	86	69	130			
Freon-113	45.7	2.5	50	0	91	56	144			
trans-1,2-Dichloroethene	43.1	2.5	50	0	86	67	131			
Methyl tert-butyl ether (MTBE)	51	1.3	50	0.93	100	56	140			
1,1-Dichloroethane	46.4	2.5	50	0	93	67	130			
2-Butanone (MEK)	677	50	1000	0	68	26	183			
Di-isopropyl Ether (DIPE)	50.4	2.5	50	0	101	59	138			
cis-1,2-Dichloroethene	42.2	2.5	50	0	84	70	130			
Bromochloromethane	44.7	2.5	50	0	89	70	134			
Chloroform	42	2.5	50	0	84	69	130			
Ethyl Tertiary Butyl Ether (ETBE)	49.9	2.5	50	0	99.8	62	135			
2,2-Dichloropropane	40.3	2.5	50	0	81	44	149			
1,2-Dichloroethane	41.7	2.5	50	0	83	64	139			
1,1,1-Trichloroethane	44.6	2.5	50	0	89	65	139			
1,1-Dichloropropene	44	2.5	50	0	88	68	134			
Carbon tetrachloride	47.5	2.5	50	0	95	56	146			
Benzene	40.7	1.3	50	0	81	67	134			
Tertiary Amyl Methyl Ether (TAME)	40.3	2.5	50	0	81	64	135			
Dibromomethane	42.5	2.5	50	0	85	70	132			
1,2-Dichloropropane	42.9	2.5	50	0	86	69	134			
Trichloroethene	43.7	2.5	50	0	87	68	138			
Bromodichloromethane	47.1	2.5	50	0	94	58	147			
4-Methyl-2-pentanone (MIBK)	94.6	13	125	0	76	49	140			
cis-1,3-Dichloropropene	38.8	2.5	50	0	78	61	130			
trans-1,3-Dichloropropene	34.1	2.5	50	0	68	62	131			
1,1,2-Trichloroethane	47.4	2.5	50	0	95	70	131			
Toluene	46.3	1.3	50	0	93	38	130			
1,3-Dichloropropane	49.3	2.5	50	0	99	70	130			
2-Hexanone	239	25	500	0	48	25	157			
Dibromochloromethane	47.3	2.5	50	0	95	49	147			
1,2-Dibromoethane (EDB)	98.8	5	100	0	99	70	131			
Tetrachloroethene	43	2.5	50	0	86	63	134			
1,1,1,2-Tetrachloroethane	46.7	2.5	50	0	93	70	133			
Chlorobenzene	43.9	2.5	50	0	88	70	130			
Ethylbenzene	44.4	1.3	50	0	89	70	130			
m,p-Xylene	46.4	1.3	50	0	93	65	139			
Bromoform	46.4	2.5	50	0	93	60	144			
Styrene	43.1	2.5	50	0	86	53	144			
o-Xylene	46	1.3	50	0	92	69	130			
1,1,2,2-Tetrachloroethane	46.5	2.5	50	0	93	67	134			
1,2,3-Trichloropropane	90.7	10	100	0	91	70	130			
Isopropylbenzene	49.4	2.5	50	0	99	64	136			
Bromobenzene	43.5	2.5	50	0	87	69	130			
n-Propylbenzene	48.4	2.5	50	0	97	65	132			
4-Chlorotoluene	46.1	2.5	50	0	92	69	132			
2-Chlorotoluene	46.8	2.5	50	0	94	69	130			
1,3,5-Trimethylbenzene	48.7	2.5	50	0	97	64	135			
tert-Butylbenzene	48.7	2.5	50	0	97	63	139			
1,2,4-Trimethylbenzene	49.1	2.5	50	0	98	62	135			
sec-Butylbenzene	49.4	2.5	50	0	99	68	132			
1,3-Dichlorobenzene	46	2.5	50	0	92	70	130			
1,4-Dichlorobenzene	43.3	2.5	50	0	87	70	130			
4-Isopropyltoluene	45.4	2.5	50	0	91	40	161			
1,2-Dichlorobenzene	43.6	2.5	50	0	87	70	130			
n-Butylbenzene	48.6	2.5	50	0	97	58	135			
1,2-Dibromo-3-chloropropane (DBCP)	231	15	250	0	92	63	131			



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18-Oct-13

## QC Summary Report

Work Order:  
13101053

1,2,4-Trichlorobenzene	49.8	10	50	0	99.6	57	134
Naphthalene	37.8	10	50	0	76	31	157
1,2,3-Trichlorobenzene	47.4	10	50	0	95	52	138
Xylenes, Total	92.4	1.3	100	0	92	70	130
Surr: 1,2-Dichloroethane-d4	48.3		50		97	70	130
Surr: Toluene-d8	49.1		50		98	70	130
Surr: 4-Bromofluorobenzene	47.4		50		95	70	130





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Date:  
18-Oct-13

## QC Summary Report

Work Order:  
13101053

### Sample Matrix Spike Duplicate

File ID: 13101429.D

Sample ID: 13101048-02AMSD

Type MSD

Test Code: EPA Method SW8260B

Batch ID: MS15W1014A

Analysis Date: 10/14/2013 20:37

Units : µg/L

Run ID: MSD\_15\_131014A

Prep Date: 10/14/2013 20:37

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	29.3	2.5	50	0	59	12	150	30.67	4.5(38)	
Chloromethane	36.2	10	50	0	72	26	146	35.05	3.3(31)	
Vinyl chloride	35.5	2.5	50	0	71	46	142	35.86	1.0(25)	
Chloroethane	40.8	2.5	50	0	82	25	164	41.43	1.6(40)	
Bromomethane	30.5	10	50	0	61	10	172	26.51	14.0(40)	
Trichlorofluoromethane	36.7	2.5	50	0	73	32	164	37.12	1.1(34)	
Acetone	584	50	1000	0	58	10	188	568.6	2.6(39)	
1,1-Dichloroethene	50.1	2.5	50	0	100	62	133	50.41	0.7(35)	
Tertiary Butyl Alcohol (TBA)	530	25	500	0	106	44	155	520.5	1.8(33)	
Dichloromethane	43.5	10	50	0	87	69	130	43.11	0.9(26)	
Freon-113	44.3	2.5	50	0	89	56	144	45.69	3.2(40)	
trans-1,2-Dichloroethene	42.8	2.5	50	0	86	67	131	43.09	0.6(27)	
Methyl tert-butyl ether (MTBE)	54.6	1.3	50	0.93	107	56	140	51	6.8(40)	
1,1-Dichloroethane	46.7	2.5	50	0	93	67	130	46.44	0.6(20)	
2-Butanone (MEK)	726	50	1000	0	73	26	183	676.7	7.1(22)	
Di-isopropyl Ether (DIPE)	51.7	2.5	50	0	103	59	138	50.35	2.6(20)	
cis-1,2-Dichloroethene	42.3	2.5	50	0	85	70	130	42.22	0.1(20)	
Bromochloromethane	45.7	2.5	50	0	91	70	134	44.7	2.3(20)	
Chloroform	42.6	2.5	50	0	85	69	130	41.95	1.6(22)	
Ethyl Tertiary Butyl Ether (ETBE)	54	2.5	50	0	108	62	135	49.9	7.8(40)	
2,2-Dichloropropane	38.6	2.5	50	0	77	44	149	40.3	4.2(23)	
1,2-Dichloroethane	43.1	2.5	50	0	86	64	139	41.68	3.4(20)	
1,1,1-Trichloroethane	45.1	2.5	50	0	90	65	139	44.57	1.2(20)	
1,1-Dichloropropene	44.3	2.5	50	0	89	68	134	44.04	0.7(20)	
Carbon tetrachloride	49.3	2.5	50	0	99	56	146	47.48	3.8(21)	
Benzene	40.8	1.3	50	0	82	67	134	40.7	0.3(21)	
Tertiary Amyl Methyl Ether (TAME)	43	2.5	50	0	86	64	135	40.32	6.4(31)	
Dibromomethane	44.4	2.5	50	0	89	70	132	42.53	4.3(20)	
1,2-Dichloropropane	43.6	2.5	50	0	87	69	134	42.93	1.4(20)	
Trichloroethene	44.3	2.5	50	0	89	68	138	43.71	1.4(20)	
Bromodichloromethane	48.3	2.5	50	0	97	58	147	47.09	2.5(20)	
4-Methyl-2-pentanone (MIBK)	103	13	125	0	82	49	140	94.62	8.3(24)	
cis-1,3-Dichloropropene	39.5	2.5	50	0	79	61	130	38.75	1.6(20)	
trans-1,3-Dichloropropene	35.6	2.5	50	0	71	62	131	34.14	4.2(21)	
1,1,2-Trichloroethane	49.1	2.5	50	0	96	70	131	47.41	3.5(20)	
Toluene	45.1	1.3	50	0	90	38	130	46.25	2.4(20)	
1,3-Dichloropropane	50.5	2.5	50	0	101	70	130	49.25	2.5(20)	
2-Hexanone	261	25	500	0	52	25	157	238.6	9.0(23)	
Dibromochloromethane	48.4	2.5	50	0	97	49	147	47.26	2.3(20)	
1,2-Dibromoethane (EDB)	102	5	100	0	102	70	131	98.84	3.4(20)	
Tetrachloroethene	43	2.5	50	0	86	63	134	42.99	0.1(20)	
1,1,1,2-Tetrachloroethane	47.8	2.5	50	0	96	70	133	46.73	2.3(20)	
Chlorobenzene	45.2	2.5	50	0	90	70	130	43.86	3.0(20)	
Ethylbenzene	45.2	1.3	50	0	90	70	130	44.37	1.9(20)	
m,p-Xylene	46.4	1.3	50	0	93	65	139	46.36	0.1(20)	
Bromoform	49.5	2.5	50	0	99	60	144	46.44	6.3(21)	
Styrene	44.6	2.5	50	0	89	53	144	43.14	3.4(31)	
o-Xylene	46.7	1.3	50	0	93	69	130	46.03	1.5(20)	
1,1,2,2-Tetrachloroethane	48.5	2.5	50	0	97	67	134	46.45	4.4(20)	
1,2,3-Trichloropropane	95.9	10	100	0	96	70	130	90.65	5.6(20)	
Isopropylbenzene	51.6	2.5	50	0	103	64	136	49.44	4.2(20)	
Bromobenzene	46.4	2.5	50	0	93	69	130	43.5	6.4(20)	
n-Propylbenzene	50.4	2.5	50	0	101	65	132	48.37	4.2(40)	
4-Chlorotoluene	48.9	2.5	50	0	98	69	132	46.06	6.0(20)	
2-Chlorotoluene	49.7	2.5	50	0	99	69	130	46.77	6.0(20)	
1,3,5-Trimethylbenzene	51.4	2.5	50	0	103	64	135	48.71	5.4(21)	
tert-Butylbenzene	51.4	2.5	50	0	103	63	139	48.67	5.5(20)	
1,2,4-Trimethylbenzene	51.7	2.5	50	0	103	62	135	49.14	5.0(24)	
sec-Butylbenzene	52	2.5	50	0	104	68	132	49.36	5.1(20)	
1,3-Dichlorobenzene	49.1	2.5	50	0	98	70	130	46.04	6.5(20)	
1,4-Dichlorobenzene	46.1	2.5	50	0	92	70	130	43.32	6.1(20)	
4-Isopropyltoluene	47.9	2.5	50	0	96	40	161	45.37	5.4(22)	
1,2-Dichlorobenzene	46.8	2.5	50	0	94	70	130	43.6	7.0(20)	
n-Butylbenzene	51.6	2.5	50	0	103	58	135	48.62	5.9(24)	
1,2-Dibromo-3-chloropropane (DBCP)	251	15	250	0	101	63	131	231	8.4(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:	QC Summary Report							Work Order:	
18-Oct-13								13101053	
1,2,4-Trichlorobenzene	55.9	10	50	0	112	57	134	49.79	11.6(30)
Naphthalene	43.1	10	50	0	86	31	157	37.81	13.1(40)
1,2,3-Trichlorobenzene	53.4	10	50	0	107	52	138	47.44	11.9(39)
Xylenes, Total	93.1	1.3	100	0	93	70	130	92.39	0.8(22)
Surr: 1,2-Dichloroethane-d4	47.9		50		96	70	130		
Surr: Toluene-d8	48		50		96	70	130		
Surr: 4-Bromofluorobenzene	48.4		50		97	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.

L50 = Analyte recovery was below acceptance limits for the LCS, but was acceptable in the MS/MSD.

# 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 : CHHL13101053**  
**Report Due By : 5:00 PM On : 21-Oct-13**

**Client:**  
 CH2M Hill  
 1000 Wilshire Boulevard  
 21st Floor  
 Los Angeles, CA 90017

Report Attention	Phone Number	E-Mail 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 : Todd Murdock

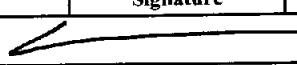
PO :  
 Client's COC # : none Job : DFSP Norwalk

Cooler Temp	Samples Received	Date Printed
6 °C	10-Oct-13	10-Oct-13

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix	Collection Date	No. of Bottles			Requested Tests						Sample Remarks		
				Alpha	Sub	TAT	TPHE_W	TPH/P_W	VOC_W						
CHH13101053-01A	GMW-O-1	AQ	10/09/13 12:10	5	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH13101053-02A	GMW-O-2	AQ	10/09/13 13:05	5	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH13101053-03A	GMW-O-3	AQ	10/09/13 13:47	5	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH13101053-04A	GMW-O-4	AQ	10/09/13 14:19	5	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH13101053-05A	GMW-O-5	AQ	10/09/13 15:02	5	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH13101053-06A	EB-3	AQ	10/09/13 15:15	5	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						

**Comments:** Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Total Xylenes. :

Signature	Print Name	Company	Date/Time
	Sarah Nem	Alpha Analytical, Inc.	10/10/13 12:05

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

CONDUCT ANALYSIS TO DETECT

LAB Alpha Analytical COC 6 of 6

CHAIN OF CUSTODY

CLIENT **Kinder Morgan**

SITE **DFSP Norwalk**

**15306 Norwalk Blvd, Norwalk**

Billing Information:  
 Kinder Morgan  
 1100 Town and Country Rd.  
 Orange CA 95112

Kinder Morgan Norwalk  
 Report to:  
 Dan Jablonski  
 CH2MHILL  
 1000 Wilshire Blvd 21st floor  
 Los Angeles, CA 90017

SAMPLE I.D.	DATE	TIME	MATRIX AQ= Water	CONTAINERS			TPHg, TPHd (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
				#	Preservation	Type												
GMW-0-1	10/6/12	1210	AQ	5	HCL	VOA	X	X										01A
GMW-0-2		1305		5	HCL	VOA	X	X										02A
GMW-0-3		1347		5	HCL	VOA	X	X										03A
GMW-0-4		1419		5	HCL	VOA	X	X										04A
GMW-0-5		1502		5	HCL	VOA	X	X										05A
EB-3		1515		5	HCL	VOA	X	X										06A

CH41301053

SAMPLING COMPLETED DATE 10/9/13 TIME 1515 SAMPLING PERFORMED BY Todd Munday RESULTS NEEDED NO LATER THAN Standard

RELEASED BY AD TIME 1515 RECEIVED BY Nicole DATE 10/9/13 TIME 1715

RELEASED BY Nicole TIME 1730 RECEIVED BY [Signature] DATE 10/9/13 TIME 1730

RELEASED BY [Signature] TIME 1730 RECEIVED BY [Signature] DATE 10/9/13 TIME 1730

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 : 10/11/13

Job: DFSP Norwalk

Total Petroleum Hydrocarbons - Extractable (TPH-E) EPA Method SW8015B  
Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B / SW8260B

Client ID	Lab ID	Date Sampled	Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
GMW-38	CHH13101123-01A	10/10/13 08:14	TPH-E (DRO)	ND	0.050 mg/L	10/11/13	10/22/13
			Surr: Nonane	112	(53-145) %REC	10/11/13	10/22/13
			TPH-P (GRO)	ND	0.050 mg/L	10/21/13	10/21/13
			Surr: 1,2-Dichloroethane-d4	102	(70-130) %REC	10/21/13	10/21/13
			Surr: Toluene-d8	97	(70-130) %REC	10/21/13	10/21/13
			Surr: 4-Bromofluorobenzene	92	(70-130) %REC	10/21/13	10/21/13
GMW-O-16	CHH13101123-02A	10/10/13 09:11	TPH-E (DRO)	ND	0.050 mg/L	10/11/13	10/11/13
			Surr: Nonane	127	(53-145) %REC	10/11/13	10/11/13
			TPH-P (GRO)	0.17	0.050 mg/L	10/17/13	10/17/13
			Surr: 1,2-Dichloroethane-d4	115	(70-130) %REC	10/17/13	10/17/13
			Surr: Toluene-d8	101	(70-130) %REC	10/17/13	10/17/13
			Surr: 4-Bromofluorobenzene	95	(70-130) %REC	10/17/13	10/17/13
HL-3	CHH13101123-03A	10/10/13 10:13	TPH-E (DRO)	ND	0.050 mg/L	10/11/13	10/11/13
			Surr: Nonane	121	(53-145) %REC	10/11/13	10/11/13
			TPH-P (GRO)	ND	0.050 mg/L	10/17/13	10/17/13
			Surr: 1,2-Dichloroethane-d4	111	(70-130) %REC	10/17/13	10/17/13
			Surr: Toluene-d8	101	(70-130) %REC	10/17/13	10/17/13
			Surr: 4-Bromofluorobenzene	92	(70-130) %REC	10/17/13	10/17/13
MW-6	CHH13101123-04A	10/10/13 11:07	TPH-E (DRO)	ND	0.050 mg/L	10/11/13	10/11/13
			Surr: Nonane	121	(53-145) %REC	10/11/13	10/11/13
			TPH-P (GRO)	ND	0.050 mg/L	10/17/13	10/17/13
			Surr: 1,2-Dichloroethane-d4	119	(70-130) %REC	10/17/13	10/17/13
			Surr: Toluene-d8	101	(70-130) %REC	10/17/13	10/17/13
			Surr: 4-Bromofluorobenzene	91	(70-130) %REC	10/17/13	10/17/13
MW-7	CHH13101123-05A	10/10/13 11:45	TPH-E (DRO)	ND	0.050 mg/L	10/11/13	10/11/13
			Surr: Nonane	108	(53-145) %REC	10/11/13	10/11/13
			TPH-P (GRO)	ND	0.050 mg/L	10/17/13	10/17/13
			Surr: 1,2-Dichloroethane-d4	114	(70-130) %REC	10/17/13	10/17/13
			Surr: Toluene-d8	101	(70-130) %REC	10/17/13	10/17/13
			Surr: 4-Bromofluorobenzene	91	(70-130) %REC	10/17/13	10/17/13
MW-19(MID)	CHH13101123-06A	10/10/13 12:45	TPH-E (DRO)	ND	0.050 mg/L	10/11/13	10/11/13
			Surr: Nonane	104	(53-145) %REC	10/11/13	10/11/13
			TPH-P (GRO)	0.054	0.050 mg/L	10/17/13	10/17/13
			Surr: 1,2-Dichloroethane-d4	114	(70-130) %REC	10/17/13	10/17/13
			Surr: Toluene-d8	100	(70-130) %REC	10/17/13	10/17/13
			Surr: 4-Bromofluorobenzene	92	(70-130) %REC	10/17/13	10/17/13



# Alpha Analytical, Inc.

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Client ID :	<b>MW-20(MID)</b>					
Lab ID :	CHH13101123-07A	TPH-E (DRO)	ND	0.050 mg/L	10/11/13	10/11/13
Date Sampled	10/10/13 13:19	Surr: Nonane	107	(53-145) %REC	10/11/13	10/11/13
		TPH-P (GRO)	ND	0.050 mg/L	10/17/13	10/17/13
		Surr: 1,2-Dichloroethane-d4	116	(70-130) %REC	10/17/13	10/17/13
		Surr: Toluene-d8	100	(70-130) %REC	10/17/13	10/17/13
		Surr: 4-Bromofluorobenzene	92	(70-130) %REC	10/17/13	10/17/13

Client ID :	<b>MW-21(MID)</b>					
Lab ID :	CHH13101123-08A	TPH-E (DRO)	ND	0.050 mg/L	10/11/13	10/11/13
Date Sampled	10/10/13 14:04	Surr: Nonane	111	(53-145) %REC	10/11/13	10/11/13
		TPH-P (GRO)	ND	0.050 mg/L	10/17/13	10/17/13
		Surr: 1,2-Dichloroethane-d4	113	(70-130) %REC	10/17/13	10/17/13
		Surr: Toluene-d8	99	(70-130) %REC	10/17/13	10/17/13
		Surr: 4-Bromofluorobenzene	93	(70-130) %REC	10/17/13	10/17/13

Client ID :	<b>MW-8</b>					
Lab ID :	CHH13101123-09A	TPH-E (DRO)	ND	0.050 mg/L	10/11/13	10/11/13
Date Sampled	10/10/13 14:51	Surr: Nonane	115	(53-145) %REC	10/11/13	10/11/13
		TPH-P (GRO)	ND	0.050 mg/L	10/17/13	10/17/13
		Surr: 1,2-Dichloroethane-d4	114	(70-130) %REC	10/17/13	10/17/13
		Surr: Toluene-d8	99	(70-130) %REC	10/17/13	10/17/13
		Surr: 4-Bromofluorobenzene	93	(70-130) %REC	10/17/13	10/17/13

Client ID :	<b>GMW-39</b>					
Lab ID :	CHH13101123-10A	TPH-E (DRO)	ND	0.050 mg/L	10/11/13	10/11/13
Date Sampled	10/10/13 15:29	Surr: Nonane	112	(53-145) %REC	10/11/13	10/11/13
		TPH-P (GRO)	ND	0.050 mg/L	10/17/13	10/17/13
		Surr: 1,2-Dichloroethane-d4	117	(70-130) %REC	10/17/13	10/17/13
		Surr: Toluene-d8	102	(70-130) %REC	10/17/13	10/17/13
		Surr: 4-Bromofluorobenzene	94	(70-130) %REC	10/17/13	10/17/13

Client ID :	<b>DUP-3</b>					
Lab ID :	CHH13101123-11A	TPH-E (DRO)	ND	0.050 mg/L	10/11/13	10/22/13
Date Sampled	10/10/13 00:00	Surr: Nonane	105	(53-145) %REC	10/11/13	10/22/13
		TPH-P (GRO)	ND	0.050 mg/L	10/17/13	10/17/13
		Surr: 1,2-Dichloroethane-d4	118	(70-130) %REC	10/17/13	10/17/13
		Surr: Toluene-d8	101	(70-130) %REC	10/17/13	10/17/13
		Surr: 4-Bromofluorobenzene	94	(70-130) %REC	10/17/13	10/17/13

Client ID :	<b>EB-5</b>					
Lab ID :	CHH13101123-13A	TPH-E (DRO)	ND	0.050 mg/L	10/11/13	10/11/13
Date Sampled	10/10/13 15:50	Surr: Nonane	106	(53-145) %REC	10/11/13	10/11/13
		TPH-P (GRO)	ND	0.050 mg/L	10/17/13	10/17/13
		Surr: 1,2-Dichloroethane-d4	117	(70-130) %REC	10/17/13	10/17/13
		Surr: Toluene-d8	100	(70-130) %REC	10/17/13	10/17/13
		Surr: 4-Bromofluorobenzene	96	(70-130) %REC	10/17/13	10/17/13

Diesel Range Organics (DRO) C13-C22  
Gasoline Range Organics (GRO) C4-C13

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

Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.  
 Statement of Data Authenticity: Alpha Analytical, Inc. attests that the data reported has not been altered in any way.



10/22/13

Report Date

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.



# 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: CHH13101123-01A  
Client I.D. Number: GMW-38

Sampled: 10/10/13 08:14  
Received: 10/11/13  
Extracted: 10/21/13  
Analyzed: 10/21/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	102	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	97	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	92	(70-130) %REC
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			

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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*PS*  
10/22/13

Report Date

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# 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: CHH13101123-02A  
Client I.D. Number: GMW-O-16

Sampled: 10/10/13 09:11  
Received: 10/11/13  
Extracted: 10/17/13  
Analyzed: 10/17/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	24	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	115	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	101	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	95	(70-130) %REC
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			

ND = Not Detected

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10/22/13

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# 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: CHH13101123-03A  
Client I.D. Number: HL-3

Sampled: 10/10/13 10:13  
Received: 10/11/13  
Extracted: 10/17/13  
Analyzed: 10/17/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	111	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	101	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	92	(70-130) %REC
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			

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.

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: CHH13101123-04A  
Client I.D. Number: MW-6

Sampled: 10/10/13 11:07  
Received: 10/11/13  
Extracted: 10/17/13  
Analyzed: 10/17/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethane	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	0.51	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethane	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	0.82	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	119	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	101	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	91	(70-130) %REC
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	1.0 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			

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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*10/22/13*  
10/22/13

Report Date

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# 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: CHH13101123-05A  
Client I.D. Number: MW-7

Sampled: 10/10/13 11:45  
Received: 10/11/13  
Extracted: 10/17/13  
Analyzed: 10/17/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	1.1	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	114	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	101	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	91	(70-130) %REC
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			

ND = Not Detected



*Roger Scholl*     *Randy Gardner*     *Walter Hinchman*  
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*[Signature]*  
10/22/13

Report Date

Page 1 of 1



# 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: CHH13101123-06A  
Client I.D. Number: MW-19(MID)

Sampled: 10/10/13 12:45  
Received: 10/11/13  
Extracted: 10/17/13  
Analyzed: 10/17/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	350	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	2.0	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	25	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	7.4	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	114	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	100	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	92	(70-130) %REC
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			

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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*YAG*

10/22/13

Report Date

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# 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: CHH13101123-07A  
Client I.D. Number: MW-20(MID)

Sampled: 10/10/13 13:19  
Received: 10/11/13  
Extracted: 10/17/13  
Analyzed: 10/17/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	29	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	14	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	11	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	16	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	116	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	100	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	92	(70-130) %REC
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			

ND = Not Detected



*Roger Scholl*     *Randy Gardner*     *Walter Hinchman*  
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*[Signature]*  
10/22/13

Report Date

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# 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: CHH13101123-08A  
Client I.D. Number: MW-21(MID)

Sampled: 10/10/13 14:04  
Received: 10/11/13  
Extracted: 10/17/13  
Analyzed: 10/17/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	35	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	0.81	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	3.0	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	2.8	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	113	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	99	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	93	(70-130) %REC
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			

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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*JS*  
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# 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: CHH13101123-09A  
Client I.D. Number: MW-8

Sampled: 10/10/13 14:51  
Received: 10/11/13  
Extracted: 10/17/13  
Analyzed: 10/17/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	114	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	99	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	93	(70-130) %REC
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			

ND = Not Detected

*Roger Scholl*     *Randy Gardner*     *Walter Hinchman*  
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*[Signature]*  
10/22/13

Report Date

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# 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: CHH13101123-10A  
Client I.D. Number: GMW-39

Sampled: 10/10/13 15:29  
Received: 10/11/13  
Extracted: 10/17/13  
Analyzed: 10/17/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	420	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	1.8	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	117	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	102	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	94	(70-130) %REC
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			

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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*[Signature]*

10/22/13

Report Date

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# 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: CHH13101123-11A  
Client I.D. Number: DUP-3

Sampled: 10/10/13 00:00  
Received: 10/11/13  
Extracted: 10/17/13  
Analyzed: 10/17/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromofom	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	370	10 µg/L	53 1,2,3-Trichloropropene	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	1.8	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	118	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	101	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	94	(70-130) %REC
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			

ND = Not Detected



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*PSJ*

10/22/13

Report Date

Page 1 of 1



# 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: CHH13101123-12A  
Client I.D. Number: TB-3

Sampled: 10/10/13 07:00  
Received: 10/11/13  
Extracted: 10/17/13  
Analyzed: 10/17/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	118	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	98	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	93	(70-130) %REC
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			

ND = Not Detected



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*rsj*  
10/22/13

Report Date

Page 1 of 1



# 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: CHH13101123-13A  
Client I.D. Number: EB-5

Sampled: 10/10/13 15:50  
Received: 10/11/13  
Extracted: 10/17/13  
Analyzed: 10/17/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	11	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	117	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	100	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	96	(70-130) %REC
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			

ND = Not Detected



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*PS*  
10/22/13  
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: CHH13101123

Job: DFSP Norwalk

Alpha's Sample ID	Client's Sample ID	Matrix	pH
13101123-01A	GMW-38	Aqueous	2
13101123-02A	GMW-O-16	Aqueous	2
13101123-03A	HL-3	Aqueous	2
13101123-04A	MW-6	Aqueous	2
13101123-05A	MW-7	Aqueous	2
13101123-06A	MW-19(MID)	Aqueous	2
13101123-07A	MW-20(MID)	Aqueous	2
13101123-08A	MW-21(MID)	Aqueous	2
13101123-09A	MW-8	Aqueous	2
13101123-10A	GMW-39	Aqueous	2
13101123-11A	DUP-3	Aqueous	2
13101123-12A	TB-3	Aqueous	2
13101123-13A	EB-5	Aqueous	2

10/22/13

Report Date

Page 1 of 1



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:  
22-Oct-13

## QC Summary Report

Work Order:  
13101123

### Method Blank

File ID: 1A10101360.D	Type MBLK	Test Code: EPA Method SW8015B/C Ext								
Sample ID: MBLK-31802	Units : mg/L	Batch ID: 31802				Analysis Date: 10/11/2013 13:21				
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	ND	0.05								
Surr: Nonane	0.185		0.15		123	53	145			

### Laboratory Control Spike

File ID: 1A10101361.D	Type LCS	Test Code: EPA Method SW8015B/C Ext								
Sample ID: LCS-31802	Units : mg/L	Batch ID: 31802				Analysis Date: 10/11/2013 13:46				
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.12	0.05	2.5		85	70	130			
Surr: Nonane	0.173		0.15		115	53	145			

### Sample Matrix Spike

File ID: 1A10101376.D	Type MS	Test Code: EPA Method SW8015B/C Ext								
Sample ID: 13101123-11AMS	Units : mg/L	Batch ID: 31802				Analysis Date: 10/11/2013 20:08				
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.16	0.05	2.5	0.052	84	51	151			
Surr: Nonane	0.137		0.15		91	53	145			

### Sample Matrix Spike Duplicate

File ID: 1A10101377.D	Type MSD	Test Code: EPA Method SW8015B/C Ext								
Sample ID: 13101123-11AMSD	Units : mg/L	Batch ID: 31802				Analysis Date: 10/11/2013 20:34				
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.33	0.05	2.5	0.052	91	51	151	2.157	7.9(40)	
Surr: Nonane	0.197		0.15		131	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.



# Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:  
22-Oct-13

## QC Summary Report

Work Order:  
13101123

### Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: C:\HPCHEM\MS10\DATA\131021\13102106.D

Batch ID: **MS10W1021B**

Analysis Date: **10/21/2013 12:53**

Sample ID: **MBLK MS10W1021B**

Units : mg/L

Run ID: **MSD\_10\_131021A**

Prep Date: **10/21/2013 12:53**

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	0.0103		0.01		103	70	130			
Surr: Toluene-d8	0.00977		0.01		98	70	130			
Surr: 4-Bromofluorobenzene	0.00941		0.01		94	70	130			

### Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: C:\HPCHEM\MS10\DATA\131021\13102103.D

Batch ID: **MS10W1021B**

Analysis Date: **10/21/2013 11:45**

Sample ID: **GLCS MS10W1021B**

Units : mg/L

Run ID: **MSD\_10\_131021A**

Prep Date: **10/21/2013 11:45**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	0.391	0.05	0.4		98	70	130			
Surr: 1,2-Dichloroethane-d4	0.0104		0.01		104	70	130			
Surr: Toluene-d8	0.00977		0.01		98	70	130			
Surr: 4-Bromofluorobenzene	0.0096		0.01		96	70	130			

### Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: C:\HPCHEM\MS10\DATA\131021\13102118.D

Batch ID: **MS10W1021B**

Analysis Date: **10/21/2013 17:13**

Sample ID: **13101720-04AGS**

Units : mg/L

Run ID: **MSD\_10\_131021A**

Prep Date: **10/21/2013 17:13**

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			
Surr: 1,2-Dichloroethane-d4	0.0505		0.05		101	70	130			
Surr: Toluene-d8	0.0483		0.05		97	70	130			
Surr: 4-Bromofluorobenzene	0.0491		0.05		98	70	130			

### Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: C:\HPCHEM\MS10\DATA\131021\13102119.D

Batch ID: **MS10W1021B**

Analysis Date: **10/21/2013 17:34**

Sample ID: **13101720-04AGSD**

Units : mg/L

Run ID: **MSD\_10\_131021A**

Prep Date: **10/21/2013 17:34**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2.32	0.25	2	0	116	54	143	1.941	17.9(23)	
Surr: 1,2-Dichloroethane-d4	0.048		0.05		96	70	130			
Surr: Toluene-d8	0.0469		0.05		94	70	130			
Surr: 4-Bromofluorobenzene	0.0491		0.05		98	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:**

22-Oct-13

## QC Summary Report

**Work Order:**

13101123

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	10.3		10	103	70	130
Surr: Toluene-d8	9.77		10	98	70	130
Surr: 4-Bromofluorobenzene	9.41		10	94	70	130





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Date:  
22-Oct-13

## QC Summary Report

Work Order:  
13101123

### Laboratory Control Spike

Type LCS Test Code: EPA Method SW8260B

File ID: C:\HPCHEM\MS10\DATA\131021\13102105.D

Batch ID: MS10W1021A

Analysis Date: 10/21/2013 12:28

Sample ID: LCS MS10W1021A

Units: µg/L

Run ID: MSD\_10\_131021A

Prep Date: 10/21/2013 12:28

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	13.2	1	10		132	32	145			
Chloromethane	6.9	2	10		69	40	145			
Vinyl chloride	10.9	1	10		109	80	120			
Chloroethane	10.6	1	10		106	38	156			
Bromomethane	3.05	2	10		31	14	162			
Trichlorofluoromethane	8.81	1	10		88	46	154			
Acetone	233	10	200		117	22	188			
1,1-Dichloroethene	10.5	1	10		105	80	120			
Tertiary Butyl Alcohol (TBA)	96.9	10	100		97	48	148			
Dichloromethane	9.53	2	10		95	69	130			
Freon-113	11	1	10		110	70	136			
trans-1,2-Dichloroethene	10.4	1	10		104	70	130			
Methyl tert-butyl ether (MTBE)	10.5	0.5	10		105	63	137			
1,1-Dichloroethane	9.59	1	10		96	70	130			
2-Butanone (MEK)	228	10	200		114	26	183			
Di-isopropyl Ether (DIPE)	9.75	1	10		98	69	133			
cis-1,2-Dichloroethene	10.1	1	10		101	70	130			
Bromochloromethane	10.1	1	10		101	70	133			
Chloroform	9.29	1	10		93	80	120			
Ethyl Tertiary Butyl Ether (ETBE)	10.8	1	10		108	66	135			
2,2-Dichloropropane	10.5	1	10		105	70	149			
1,2-Dichloroethane	9.47	1	10		95	70	133			
1,1,1-Trichloroethane	9.58	1	10		96	70	135			
1,1-Dichloropropene	10.4	1	10		104	70	130			
Carbon tetrachloride	9.89	1	10		99	63	143			
Benzene	9.51	0.5	10		95	70	130			
Tertiary Amyl Methyl Ether (TAME)	11.3	1	10		113	70	133			
Dibromomethane	10	1	10		100	70	130			
1,2-Dichloropropane	9.49	1	10		95	80	120			
Trichloroethene	9.6	1	10		96	68	138			
Bromodichloromethane	9.76	1	10		98	58	147			
4-Methyl-2-pentanone (MIBK)	25.8	2.5	25		103	59	140			
cis-1,3-Dichloropropene	9.96	1	10		99.6	70	130			
trans-1,3-Dichloropropene	9.76	1	10		98	70	131			
1,1,2-Trichloroethane	9.78	1	10		98	70	130			
Toluene	9.19	0.5	10		92	80	120			
1,3-Dichloropropane	9.17	1	10		92	70	130			
2-Hexanone	111	5	100		111	48	157			
Dibromochloromethane	9.52	1	10		95	49	147			
1,2-Dibromoethane (EDB)	18.9	2	20		95	70	131			
Tetrachloroethene	9.35	1	10		94	70	130			
Chlorobenzene	9.38	1	10		94	70	130			
Ethylbenzene	9.32	0.5	10		93	80	120			
m,p-Xylene	9.39	0.5	10		94	65	139			
Bromoform	8.65	1	10		87	60	144			
Styrene	9.86	1	10		99	55	144			
o-Xylene	9.59	0.5	10		96	70	130			
1,1,2,2-Tetrachloroethane	10.6	1	10		106	70	130			
1,2,3-Trichloropropane	18.3	2	20		92	70	130			
Isopropylbenzene	9.57	1	10		96	69	136			
Bromobenzene	9.19	1	10		92	70	130			
n-Propylbenzene	9.76	1	10		98	70	132			
4-Chlorotoluene	9.54	1	10		95	70	132			
2-Chlorotoluene	9.42	1	10		94	70	130			
1,3,5-Trimethylbenzene	9.75	1	10		98	70	134			
tert-Butylbenzene	9.62	1	10		96	63	139			
1,2,4-Trimethylbenzene	9.54	1	10		95	70	133			
sec-Butylbenzene	9.72	1	10		97	70	132			
1,3-Dichlorobenzene	9.07	1	10		91	70	130			
1,4-Dichlorobenzene	9.14	1	10		91	70	130			
4-Isopropyltoluene	9.75	1	10		98	40	161			
1,2-Dichlorobenzene	8.85	1	10		89	70	130			
n-Butylbenzene	9.86	1	10		99	69	134			
1,2-Dibromo-3-chloropropane (DBCP)	46.2	3	50		92	67	130			
1,2,4-Trichlorobenzene	9.03	2	10		90	62	131			



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Date:  
22-Oct-13

## QC Summary Report

Work Order:  
13101123

Naphthalene	9.63	2	10	96	39	149
1,2,3-Trichlorobenzene	9.09	2	10	91	54	135
Xylenes, Total	19	0.5	20	95	70	130
Surr: 1,2-Dichloroethane-d4	10.5		10	105	70	130
Surr: Toluene-d8	9.58		10	96	70	130
Surr: 4-Bromofluorobenzene	9.63		10	96	70	130



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Date:  
22-Oct-13

## QC Summary Report

Work Order:  
1310123

### Sample Matrix Spike

File ID: C:\HPCHEM\MS10\DATA\131021\13102116.D

Type MS

Test Code: EPA Method SW8260B

Batch ID: MS10W1021A

Analysis Date: 10/21/2013 16:30

Sample ID: 13101720-04AMS

Units: µg/L

Run ID: MSD\_10\_131021A

Prep Date: 10/21/2013 16:30

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	118	2.5	50	0	236	12	150			M1
Chloromethane	62.7	10	50	0	125	26	146			
Vinyl chloride	80.1	2.5	50	0	160	46	142			M1
Chloroethane	76.4	2.5	50	0	153	25	164			
Bromomethane	22.4	10	50	0	45	10	172			
Trichlorofluoromethane	59.3	2.5	50	0	119	32	164			
Acetone	1080	50	1000	0	108	10	188			
1,1-Dichloroethene	64.4	2.5	50	0	129	62	133			
Tertiary Butyl Alcohol (TBA)	602	25	500	0	120	44	155			
Dichloromethane	59.3	10	50	0	119	69	130			
Freon-113	65.7	2.5	50	0	131	56	144			
trans-1,2-Dichloroethene	62.3	2.5	50	0	125	67	131			
Methyl tert-butyl ether (MTBE)	62.2	1.3	50	0	124	56	140			
1,1-Dichloroethane	59.3	2.5	50	0	119	67	130			
2-Butanone (MEK)	1240	50	1000	0	124	26	183			
Di-isopropyl Ether (DIPE)	61.7	2.5	50	0	123	59	138			
cis-1,2-Dichloroethene	61.6	2.5	50	0	123	70	130			
Bromochloromethane	60.5	2.5	50	0	121	70	134			
Chloroform	56.9	2.5	50	0	114	69	130			
Ethyl Tertiary Butyl Ether (ETBE)	65.5	2.5	50	0	131	62	135			
2,2-Dichloropropane	57.5	2.5	50	0	115	44	149			
1,2-Dichloroethane	56.3	2.5	50	0	113	64	139			
1,1,1-Trichloroethane	59.2	2.5	50	0	118	65	139			
1,1-Dichloropropene	61.8	2.5	50	0	124	68	134			
Carbon tetrachloride	59.7	2.5	50	0	119	56	146			
Benzene	59.7	1.3	50	0	119	67	134			
Tertiary Amyl Methyl Ether (TAME)	66.8	2.5	50	0	134	64	135			
Dibromomethane	59.1	2.5	50	0	118	70	132			
1,2-Dichloropropane	57.6	2.5	50	0	115	69	134			
Trichloroethene	57.8	2.5	50	0	116	68	138			
Bromodichloromethane	59	2.5	50	0	118	58	147			
4-Methyl-2-pentanone (MIBK)	163	13	125	0	130	49	140			
cis-1,3-Dichloropropene	58.3	2.5	50	0	117	61	130			
trans-1,3-Dichloropropene	58.7	2.5	50	0	117	62	131			
1,1,2-Trichloroethane	58.6	2.5	50	0	117	70	131			
Toluene	55.7	1.3	50	0	111	38	130			
1,3-Dichloropropane	54.6	2.5	50	0	109	70	130			
2-Hexanone	429	25	500	0	86	25	157			
Dibromochloromethane	56.4	2.5	50	0	113	49	147			
1,2-Dibromoethane (EDB)	112	5	100	0	112	70	131			
Tetrachloroethene	53.1	2.5	50	0	106	63	134			
1,1,1,2-Tetrachloroethane	60.7	2.5	50	0	121	70	133			
Chlorobenzene	58.3	2.5	50	0	117	70	130			
Ethylbenzene	57.8	1.3	50	0	116	70	130			
m,p-Xylene	57.8	1.3	50	0	116	65	139			
Bromoform	50.8	2.5	50	0	102	60	144			
Styrene	61.6	2.5	50	0	123	53	144			
o-Xylene	60.3	1.3	50	0	121	69	130			
1,1,2,2-Tetrachloroethane	64	2.5	50	0	128	67	134			
1,2,3-Trichloropropane	115	10	100	0	115	70	130			
Isopropylbenzene	58.1	2.5	50	0	116	64	136			
Bromobenzene	56.9	2.5	50	0	114	69	130			
n-Propylbenzene	57.6	2.5	50	0	115	65	132			
4-Chlorotoluene	58.1	2.5	50	0	116	69	132			
2-Chlorotoluene	58.8	2.5	50	0	118	69	130			
1,3,5-Trimethylbenzene	59.4	2.5	50	0	119	64	135			
tert-Butylbenzene	57.7	2.5	50	0	115	63	139			
1,2,4-Trimethylbenzene	58.2	2.5	50	0	116	62	135			
sec-Butylbenzene	56.7	2.5	50	0	113	68	132			
1,3-Dichlorobenzene	56	2.5	50	0	112	70	130			
1,4-Dichlorobenzene	56.2	2.5	50	0	112	70	130			
4-Isopropyltoluene	56.7	2.5	50	0	113	40	161			
1,2-Dichlorobenzene	54.9	2.5	50	0	110	70	130			
n-Butylbenzene	56	2.5	50	0	112	58	135			



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22-Oct-13

## QC Summary Report

Work Order:

13101123

1,2-Dibromo-3-chloropropane (DBCP)	282	15	250	0	113	63	131
1,2,4-Trichlorobenzene	53.9	10	50	0	108	57	134
Naphthalene	57.8	10	50	0	116	31	157
1,2,3-Trichlorobenzene	53.6	10	50	0	107	52	138
Xylenes, Total	118	1.3	100	0	118	70	130
Surr: 1,2-Dichloroethane-d4	51.2		50		102	70	130
Surr: Toluene-d8	46.8		50		94	70	130
Surr: 4-Bromofluorobenzene	47.8		50		96	70	130



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Date:  
22-Oct-13

## QC Summary Report

Work Order:  
13101123

### Sample Matrix Spike Duplicate

File ID: C:\HPCHEM\MS10\DATA\131021\13102117.D

Type MSD

Test Code: EPA Method SW8260B

Sample ID: 13101720-04AMSD

Units: µg/L

Batch ID: MS10W1021A

Analysis Date: 10/21/2013 16:51

Run ID: MSD\_10\_131021A

Prep Date: 10/21/2013 16:51

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	94.3	2.5	50	0	189	12	150	118.2	22.5(38)	M1
Chloromethane	51.2	10	50	0	102	26	146	62.71	20.3(31)	
Vinyl chloride	71.4	2.5	50	0	143	46	142	80.08	11.4(25)	M1
Chloroethane	65.1	2.5	50	0	130	25	164	76.44	16.0(40)	
Bromomethane	26.9	10	50	0	54	10	172	22.35	18.4(40)	
Trichlorofluoromethane	51.3	2.5	50	0	103	32	164	59.29	14.4(34)	
Acetone	931	50	1000	0	93	10	188	1078	14.7(39)	
1,1-Dichloroethene	58.5	2.5	50	0	117	62	133	64.35	9.5(35)	
Tertiary Butyl Alcohol (TBA)	520	25	500	0	104	44	155	601.5	14.5(33)	
Dichloromethane	52	10	50	0	104	69	130	59.26	13.0(26)	
Freon-113	55.6	2.5	50	0	111	56	144	65.67	16.7(40)	
trans-1,2-Dichloroethene	56.8	2.5	50	0	114	67	131	62.26	9.2(27)	
Methyl tert-butyl ether (MTBE)	55.1	1.3	50	0	110	56	140	62.24	12.2(40)	
1,1-Dichloroethane	53.9	2.5	50	0	108	67	130	59.25	9.5(20)	
2-Butanone (MEK)	1100	50	1000	0	110	26	183	1235	11.8(22)	
Di-isopropyl Ether (DIPE)	55.3	2.5	50	0	111	59	138	61.67	10.9(20)	
cis-1,2-Dichloroethene	58.2	2.5	50	0	112	70	130	61.58	9.2(20)	
Bromochloromethane	55.1	2.5	50	0	110	70	134	60.46	9.4(20)	
Chloroform	51.3	2.5	50	0	103	69	130	56.9	10.4(22)	
Ethyl Tertiary Butyl Ether (ETBE)	59.6	2.5	50	0	119	62	135	65.54	9.5(40)	
2,2-Dichloropropane	51.1	2.5	50	0	102	44	149	57.5	11.8(23)	
1,2-Dichloroethane	50.7	2.5	50	0	101	64	139	56.26	10.5(20)	
1,1,1-Trichloroethane	52.9	2.5	50	0	106	65	139	59.16	11.1(20)	
1,1-Dichloropropene	55.7	2.5	50	0	111	68	134	61.76	10.4(20)	
Carbon tetrachloride	53	2.5	50	0	106	56	146	59.68	11.8(21)	
Benzene	52.7	1.3	50	0	105	67	134	59.74	12.6(21)	
Tertiary Amyl Methyl Ether (TAME)	61	2.5	50	0	122	64	135	66.81	9.2(31)	
Dibromomethane	52.5	2.5	50	0	105	70	132	59.12	11.8(20)	
1,2-Dichloropropane	51.6	2.5	50	0	103	69	134	57.6	10.9(20)	
Trichloroethene	51.5	2.5	50	0	103	68	138	57.84	11.6(20)	
Bromodichloromethane	53.3	2.5	50	0	107	58	147	58.97	10.0(20)	
4-Methyl-2-pentanone (MIBK)	138	13	125	0	110	49	140	162.7	16.7(24)	
cis-1,3-Dichloropropene	53.1	2.5	50	0	106	61	130	58.34	9.5(20)	
trans-1,3-Dichloropropene	51.6	2.5	50	0	103	62	131	58.65	12.8(21)	
1,1,2-Trichloroethane	51.9	2.5	50	0	104	70	131	58.6	12.2(20)	
Toluene	51	1.3	50	0	102	38	130	55.7	8.9(20)	
1,3-Dichloropropane	50.8	2.5	50	0	102	70	130	54.56	7.1(20)	
2-Hexanone	380	25	500	0	76	25	157	429.1	12.1(23)	
Dibromochloromethane	52.6	2.5	50	0	105	49	147	58.42	7.1(20)	
1,2-Dibromoethane (EDB)	103	5	100	0	103	70	131	111.5	8.2(20)	
Tetrachloroethene	48.5	2.5	50	0	97	63	134	53.07	9.0(20)	
1,1,1,2-Tetrachloroethane	55	2.5	50	0	110	70	133	60.73	9.8(20)	
Chlorobenzene	52	2.5	50	0	104	70	130	58.28	11.4(20)	
Ethylbenzene	51.7	1.3	50	0	103	70	130	57.83	11.3(20)	
m,p-Xylene	50.9	1.3	50	0	102	65	139	57.82	12.8(20)	
Bromoform	45.7	2.5	50	0	91	60	144	50.84	10.7(21)	
Styrene	54.1	2.5	50	0	108	53	144	61.57	13.0(31)	
o-Xylene	53.5	1.3	50	0	107	69	130	60.31	12.1(20)	
1,1,2,2-Tetrachloroethane	56	2.5	50	0	112	67	134	63.95	13.3(20)	
1,2,3-Trichloropropane	102	10	100	0	102	70	130	115.3	12.3(20)	
Isopropylbenzene	52.1	2.5	50	0	104	64	136	58.09	10.9(20)	
Bromobenzene	51.4	2.5	50	0	103	69	130	56.92	10.2(20)	
n-Propylbenzene	51.9	2.5	50	0	104	65	132	57.55	10.3(40)	
4-Chlorotoluene	52.2	2.5	50	0	104	69	132	58.1	10.8(20)	
2-Chlorotoluene	52.1	2.5	50	0	104	69	130	58.8	12.0(20)	
1,3,5-Trimethylbenzene	53.4	2.5	50	0	107	64	135	59.37	10.6(21)	
tert-Butylbenzene	52.4	2.5	50	0	105	63	139	57.73	9.8(20)	
1,2,4-Trimethylbenzene	52.2	2.5	50	0	104	62	135	58.24	10.9(24)	
sec-Butylbenzene	50.9	2.5	50	0	102	68	132	56.69	10.7(20)	
1,3-Dichlorobenzene	50.3	2.5	50	0	101	70	130	56.03	10.8(20)	
1,4-Dichlorobenzene	50.5	2.5	50	0	101	70	130	56.17	10.6(20)	
4-Isopropyltoluene	50.8	2.5	50	0	102	40	161	56.68	11.0(22)	
1,2-Dichlorobenzene	49	2.5	50	0	98	70	130	54.89	11.3(20)	
n-Butylbenzene	50.5	2.5	50	0	101	58	135	55.98	10.4(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:

22-Oct-13

## QC Summary Report

Work Order:

13101123

1,2-Dibromo-3-chloropropane (DBCP)	251	15	250	0	100	63	131	282	11.6(29)
1,2,4-Trichlorobenzene	49.7	10	50	0	99	57	134	53.91	8.2(30)
Naphthalene	52.2	10	50	0	104	31	157	57.78	10.1(40)
1,2,3-Trichlorobenzene	50	10	50	0	100	52	138	53.57	6.8(39)
Xylenes, Total	104	1.3	100	0	104	70	130	118.1	12.4(22)
Surr: 1,2-Dichloroethane-d4	51.4		50		103	70	130		
Surr: Toluene-d8	48		50		96	70	130		
Surr: 4-Bromofluorobenzene	47.9		50		96	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.

M1 = Matrix spike recovery was high, the method control sample recovery was acceptable.

# 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 : CHHL13101123**  
**Report Due By : 5:00 PM On : 22-Oct-13**

**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 : Todd Murdock

PO :  
 Client's COC # : none Job : DFSP Norwalk

Cooler Temp	Samples Received	Date Printed
2 °C	11-Oct-13	11-Oct-13

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix	No. of Bottles Alpha Sub TAT	Requested Tests						Sample Remarks		
				TPHE_W	TPH/P_W	VOC_W						
CHH13101123-01A	GMW-38	AQ 10/10/13 08:14	5 0 7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH13101123-02A	GMW-O-16	AQ 10/10/13 09:11	5 0 7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH13101123-03A	HL-3	AQ 10/10/13 10:13	5 0 7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH13101123-04A	MW-6	AQ 10/10/13 11:07	5 0 7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH13101123-05A	MW-7	AQ 10/10/13 11:45	5 0 7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH13101123-06A	MW-19(MID)	AQ 10/10/13 12:45	5 0 7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH13101123-07A	MW-20(MID)	AQ 10/10/13 13:19	5 0 7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH13101123-08A	MW-21(MID)	AQ 10/10/13 14:04	5 0 7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						

**Comments:** Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Total Xylenes. :

Signature	Print Name	Company	Date/Time
<i>K Murray</i>	K Murray	Alpha Analytical, Inc.	10/11/13 1020

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

# 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 : CHHL13101123**  
**Report Due By : 5:00 PM On : 22-Oct-13**

**Client:**  
 CH2M Hill  
 1000 Wilshire Boulevard  
 21st Floor  
 Los Angeles, CA 90017

Report Attention	Phone Number	EEmail 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 : Todd Murdock

PO :  
 Client's COC # : none Job : DFSP Norwalk

Cooler Temp	Samples Received	Date Printed
2 °C	11-Oct-13	11-Oct-13

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix	Date	No. of Bottles			Requested Tests						Sample Remarks			
				Alpha	Sub	TAT	TPHE_W	TPHP_W	VOC_W							
CHH13101123-09A	MW-8	AQ	10/10/13 14:51	5	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate							
CHH13101123-10A	GMW-39	AQ	10/10/13 15:29	5	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate							
CHH13101123-11A	DUP-3	AQ	10/10/13 00:00	5	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate							
CHH13101123-12A	TB-3	AQ	10/10/13 07:00	3	0	7			TPHE(0.05) +Vinyl acetate							Reno Trip Blanks 7/31/13 (2), 2/15/13
CHH13101123-13A	EB-5	AQ	10/10/13 15:50	5	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate							

**Comments:** Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Total Xylenes. :

Signature	Print Name	Company	Date/Time
<i>K Murray</i>	<i>K Murray</i>	Alpha Analytical, Inc.	10/11/13 15:20

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) SQ(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

CONDUCT ANALYSIS TO DETECT

LAB

Alpha Analytical COC 2 of 2

CHAIN OF CUSTODY

CLIENT: Kinder Morgan  
 SITE: DFSP Norwalk  
 15306 Norwalk Blvd, Norwalk

Billing Information:  
 Kinder Morgan  
 1100 Town and Country Rd.  
 Orange CA 95112

Kinder Morgan Norwalk  
 Report to:  
 Dan Jablonski  
 CH2MHILL  
 1000 Wilshire Blvd 21st floor  
 Los Angeles, CA 90017

CHH13101123

SAMPLE I.D.	DATE	TIME	MATRIX AQ= Water	CONTAINERS			TPHg, TPHd (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
				#	Preservation	Type												
6-mw-38A	10/10/13	0814	AQ	5	HCL	VOA	X	X										01
6-mw-0-16	10/10/13	0911	AQ	5	HCL	VOA	X	X										02
HL-3	10/10/13	1013	AQ	5	HCL	VOA	X	X										03
mw-6	10/10/13	1107	AQ	5	HCL	VOA	X	X										04
mw-7	10/10/13	1145	AQ	5	HCL	VOA	X	X										05
mw-19(mw)	10/10/13	1245	AQ	5	HCL	VOA	X	X										06
mw-20(mw)	10/10/13	1319	AQ	5	HCL	VOA	X	X										07
mw-21(mw)	10/10/13	1404	AQ	5	HCL	VOA	X	X										08
mw-8	10/10/13	1451	AQ	5	HCL	VOA	X	X										09
6-mw-39	10/10/13	1529	AQ	5	HCL	VOA	X	X										10

SAMPLING COMPLETED: DATE 10/10/13 TIME 1530  
 SAMPLING PERFORMED BY: TODD MURDOCK  
 RESULTS NEEDED NO LATER THAN: Standard

RELEASED BY: [Signature] TIME 1600 RECEIVED BY: Nicole DATE 10/10/13 TIME 1600  
 RELEASED BY: Nicole TIME 1712 RECEIVED BY: [Signature] DATE 10/10/13 TIME 1712  
 RELEASED BY: [Signature] TIME 1712 RECEIVED BY: Kellumay DATE 10/11/13 TIME 1010

SHIPPED VIA: TIME SENT: COOLER #:

# BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE  
 SAN JOSE, CALIFORNIA 95112-1105  
 FAX (408) 573-7771  
 PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB

Alpha Analytical COC 2 of 2

Billing Information:  
 Kinder Morgan  
 1100 Town and Country Rd.  
 Orange CA 95112

Kinder Morgan Norwalk  
 Report to:  
 Dan Jablonski  
 CH2MHILL  
 1000 Wilshire Blvd 21st floor  
 Los Angeles, CA 90017

CHH13101123

CHAIN OF CUSTODY

CLIENT **Kinder Morgan**

SITE **DFSP Norwalk**

**15306 Norwalk Blvd, Norwalk**

SAMPLE I.D.	DATE	TIME	MATRIX AQ= Water	CONTAINERS			TPHg, TPHd (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
				#	Preservation	Type												
DJP-3	10/10/13	-	AQ	5	HCL	VOA	X	X										11
TR-3	10/10/13	0700	AQ	3	HCL	VOA		X										12
ZB-5	10/10/13	1530	AQ	5	HCL	VOA	X	X										13

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN
	10/10/13	1530	TODD MURDOCK	Standard
RELEASED BY	TIME	RECEIVED BY	DATE	TIME
	1600	Nicole	10/10/13	1600
RELEASED BY	TIME	RECEIVED BY	DATE	TIME
Nicole	1712		10/10/13	1712
RELEASED BY	TIME	RECEIVED BY	DATE	TIME
	1712	K Murray	10/11/13	1010
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 : 10/11/13

Job: DFSP Norwalk

Total Petroleum Hydrocarbons - Extractable (TPH-E) EPA Method SW8015B  
Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B / SW8260B

Client ID :	Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
<b>GMW-O-9</b>					
Lab ID : CHH13101124-01A	TPH-E (DRO)	ND	0.050 mg/L	10/11/13	10/11/13
Date Sampled 10/10/13 11:31	Surr: Nonane	108	(53-145) %REC	10/11/13	10/11/13
	TPH-P (GRO)	ND	0.050 mg/L	10/16/13	10/16/13
	Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC	10/16/13	10/16/13
	Surr: Toluene-d8	106	(70-130) %REC	10/16/13	10/16/13
	Surr: 4-Bromofluorobenzene	95	(70-130) %REC	10/16/13	10/16/13
<b>GMW-O-18</b>					
Lab ID : CHH13101124-02A	TPH-E (DRO)	ND	0.050 mg/L	10/11/13	10/11/13
Date Sampled 10/10/13 12:12	Surr: Nonane	94	(53-145) %REC	10/11/13	10/11/13
	TPH-P (GRO)	0.12	0.050 mg/L	10/16/13	10/16/13
	Surr: 1,2-Dichloroethane-d4	99	(70-130) %REC	10/16/13	10/16/13
	Surr: Toluene-d8	106	(70-130) %REC	10/16/13	10/16/13
	Surr: 4-Bromofluorobenzene	97	(70-130) %REC	10/16/13	10/16/13
<b>GMW-14</b>					
Lab ID : CHH13101124-03A	TPH-E (DRO)	0.11	0.050 mg/L	10/11/13	10/11/13
Date Sampled 10/10/13 13:16	Surr: Nonane	98	(53-145) %REC	10/11/13	10/11/13
	TPH-P (GRO)	ND	0.050 mg/L	10/17/13	10/17/13
	Surr: 1,2-Dichloroethane-d4	100	(70-130) %REC	10/17/13	10/17/13
	Surr: Toluene-d8	100	(70-130) %REC	10/17/13	10/17/13
	Surr: 4-Bromofluorobenzene	93	(70-130) %REC	10/17/13	10/17/13
<b>GMW-27</b>					
Lab ID : CHH13101124-04A	TPH-E (DRO)	ND	0.050 mg/L	10/11/13	10/11/13
Date Sampled 10/10/13 14:06	Surr: Nonane	110	(53-145) %REC	10/11/13	10/11/13
	TPH-P (GRO)	ND	0.050 mg/L	10/16/13	10/16/13
	Surr: 1,2-Dichloroethane-d4	99	(70-130) %REC	10/16/13	10/16/13
	Surr: Toluene-d8	105	(70-130) %REC	10/16/13	10/16/13
	Surr: 4-Bromofluorobenzene	97	(70-130) %REC	10/16/13	10/16/13
<b>DUP-2</b>					
Lab ID : CHH13101124-05A	TPH-E (DRO)	ND	0.050 mg/L	10/11/13	10/11/13
Date Sampled 10/10/13 00:00	Surr: Nonane	95	(53-145) %REC	10/11/13	10/11/13
	TPH-P (GRO)	0.061	0.050 mg/L	10/16/13	10/16/13
	Surr: 1,2-Dichloroethane-d4	104	(70-130) %REC	10/16/13	10/16/13
	Surr: Toluene-d8	104	(70-130) %REC	10/16/13	10/16/13
	Surr: 4-Bromofluorobenzene	97	(70-130) %REC	10/16/13	10/16/13
<b>GMW-1</b>					
Lab ID : CHH13101124-06A	TPH-E (DRO)	0.27	0.050 mg/L	10/11/13	10/11/13
Date Sampled 10/10/13 15:03	Surr: Nonane	111	(53-145) %REC	10/11/13	10/11/13
	TPH-P (GRO)	ND	0.20 mg/L	10/16/13	10/16/13
	Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC	10/16/13	10/16/13
	Surr: Toluene-d8	102	(70-130) %REC	10/16/13	10/16/13
	Surr: 4-Bromofluorobenzene	98	(70-130) %REC	10/16/13	10/16/13



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Client ID :	<b>EB-6</b>					
Lab ID :	CHH13101124-07A	TPH-E (DRO)	ND	0.050 mg/L	10/11/13	10/11/13
Date Sampled	10/10/13 15:55	Surr: Nonane	98	(53-145) %REC	10/11/13	10/11/13
		TPH-P (GRO)	ND	0.050 mg/L	10/17/13	10/17/13
		Surr: 1,2-Dichloroethane-d4	105	(70-130) %REC	10/17/13	10/17/13
		Surr: Toluene-d8	101	(70-130) %REC	10/17/13	10/17/13
		Surr: 4-Bromofluorobenzene	96	(70-130) %REC	10/17/13	10/17/13
Client ID :	<b>MW-9</b>					
Lab ID :	CHH13101124-08A	TPH-E (DRO)	2.1 K	0.050 mg/L	10/11/13	10/11/13
Date Sampled	10/10/13 15:41	Surr: Nonane	112	(53-145) %REC	10/11/13	10/11/13
		TPH-P (GRO)	1.2	0.20 mg/L	10/16/13	10/16/13
		Surr: 1,2-Dichloroethane-d4	94	(70-130) %REC	10/16/13	10/16/13
		Surr: Toluene-d8	102	(70-130) %REC	10/16/13	10/16/13
		Surr: 4-Bromofluorobenzene	95	(70-130) %REC	10/16/13	10/16/13

Diesel Range Organics (DRO) C13-C22

Gasoline Range Organics (GRO) C4-C13

K = DRO concentration may include contributions from lighter-end hydrocarbons that elute in the DRO range.

O = Reporting Limits were increased due to sample foaming.

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

Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Statement of Data Authenticity: Alpha Analytical, Inc. attests that the data reported has not been altered in any way.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.



**10/21/13**  
**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: CHH13101124-01A  
Client I.D. Number: GMW-O-9

Sampled: 10/10/13 11:31  
Received: 10/11/13  
Extracted: 10/16/13  
Analyzed: 10/16/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	1.0 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	10 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	106	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	95	(70-130) %REC
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			

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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*RJ*

10/21/13

Report Date

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# 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: CHH13101124-02A  
Client I.D. Number: GMW-O-18

Sampled: 10/10/13 12:12  
Received: 10/11/13  
Extracted: 10/16/13  
Analyzed: 10/16/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	3.4	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	6.0	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	2.7	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	6,000	200 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	1.3	1.0 µg/L
18 Di-Isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	2.2	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	99	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	106	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	97	(70-130) %REC
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	1.1	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			

\*This analyte was analyzed separately on 10/17/13 in order to achieve lower reporting limits for the other 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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*RSJ*  
10/21/13  
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: CHH13101124-03A  
Client I.D. Number: GMW-14

Sampled: 10/10/13 13:16  
Received: 10/11/13  
Extracted: 10/17/13  
Analyzed: 10/17/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	100	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	100	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	93	(70-130) %REC
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			

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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*[Signature]*  
10/21/13

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# 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: CHH13101124-04A  
Client I.D. Number: GMW-27

Sampled: 10/10/13 14:06  
Received: 10/11/13  
Extracted: 10/16/13  
Analyzed: 10/16/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethane	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	570	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	9.3	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	99	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	105	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	97	(70-130) %REC
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			

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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*RJG*  
10/21/13  
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: CHH13101124-05A  
Client I.D. Number: DUP-2

Sampled: 10/10/13 00:00  
Received: 10/11/13  
Extracted: 10/16/13  
Analyzed: 10/16/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	700	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	13	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	0.51	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	104	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	104	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	97	(70-130) %REC
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			

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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*[Signature]*  
10/21/13  
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: CHH13101124-06A  
Client I.D. Number: GMW-1

Sampled: 10/10/13 15:03  
Received: 10/11/13  
Extracted: 10/16/13  
Analyzed: 10/16/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	2.0 µg/L	45 Chlorobenzene	ND	2.0 µg/L
2 Chloromethane	ND	8.0 µg/L	46 Ethylbenzene	ND	1.0 µg/L
3 Vinyl chloride	ND	2.0 µg/L	47 m,p-Xylene	ND	1.0 µg/L
4 Chloroethane	ND	2.0 µg/L	48 Bromoform	ND	2.0 µg/L
5 Bromomethane	ND	8.0 µg/L	49 Xylenes, Total	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	2.0 µg/L
7 Acetone	ND	40 µg/L	51 o-Xylene	ND	1.0 µg/L
8 1,1-Dichloroethane	ND	2.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	29	20 µg/L	53 1,2,3-Trichloropropane	ND	8.0 µg/L
10 Dichloromethane	ND	8.0 µg/L	54 Isopropylbenzene	ND	2.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	2.0 µg/L
12 Carbon disulfide	ND	10 µg/L	56 n-Propylbenzene	ND	2.0 µg/L
13 trans-1,2-Dichloroethane	ND	2.0 µg/L	57 4-Chlorotoluene	ND	2.0 µg/L
14 Methyl tert-butyl ether (MTBE)	1.7	1.0 µg/L	58 2-Chlorotoluene	ND	2.0 µg/L
15 1,1-Dichloroethane	ND	2.0 µg/L	59 1,3,5-Trimethylbenzene	ND	2.0 µg/L
16 Vinyl acetate	ND	200 µg/L	60 tert-Butylbenzene	ND	2.0 µg/L
17 2-Butanone (MEK)	ND	40 µg/L	61 1,2,4-Trimethylbenzene	ND	2.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	2.0 µg/L	62 sec-Butylbenzene	ND	2.0 µg/L
19 cis-1,2-Dichloroethane	ND	2.0 µg/L	63 1,3-Dichlorobenzene	ND	2.0 µg/L
20 Bromochloromethane	ND	2.0 µg/L	64 1,4-Dichlorobenzene	ND	2.0 µg/L
21 Chloroform	ND	2.0 µg/L	65 4-Isopropyltoluene	ND	2.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	2.0 µg/L	66 1,2-Dichlorobenzene	ND	2.0 µg/L
23 2,2-Dichloropropane	ND	2.0 µg/L	67 n-Butylbenzene	ND	2.0 µg/L
24 1,2-Dichloroethane	ND	2.0 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	12 µg/L
25 1,1,1-Trichloroethane	ND	2.0 µg/L	89 1,2,4-Trichlorobenzene	ND	8.0 µg/L
26 1,1-Dichloropropene	ND	2.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	2.0 µg/L	71 1,2,3-Trichlorobenzene	ND	8.0 µg/L
28 Benzene	ND	1.0 µg/L	72 Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	2.0 µg/L	73 Surr: Toluene-d8	102	(70-130) %REC
30 Dibromomethane	ND	2.0 µg/L	74 Surr: 4-Bromofluorobenzene	98	(70-130) %REC
31 1,2-Dichloropropane	ND	2.0 µg/L			
32 Trichloroethane	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 Tetrachloroethane	ND	2.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	2.0 µg/L			

Reporting Limits were increased due to sample foaming.

ND = Not Detected



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*[Signature]*  
10/21/13

Report Date

Page 1 of 1



# 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: CHH13101124-07A  
Client I.D. Number: EB-6

Sampled: 10/10/13 15:55  
Received: 10/11/13  
Extracted: 10/17/13  
Analyzed: 10/17/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	105	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	101	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	96	(70-130) %REC
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			

ND = Not Detected



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*PSJ*  
10/21/13  
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: CHH13101124-08A  
Client I.D. Number: MW-9

Sampled: 10/10/13 15:41  
Received: 10/11/13  
Extracted: 10/16/13  
Analyzed: 10/16/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	2.0 µg/L	45 Chlorobenzene	ND	2.0 µg/L
2 Chloromethane	ND	8.0 µg/L	46 Ethylbenzene	ND	1.0 µg/L
3 Vinyl chloride	ND	2.0 µg/L	47 m,p-Xylene	ND	1.0 µg/L
4 Chloroethane	ND	2.0 µg/L	48 Bromoform	ND	2.0 µg/L
5 Bromomethane	ND	8.0 µg/L	49 Xylenes, Total	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	2.0 µg/L
7 Acetone	ND	40 µg/L	51 o-Xylene	ND	1.0 µg/L
8 1,1-Dichloroethane	ND	2.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	45	20 µg/L	53 1,2,3-Trichloropropane	ND	8.0 µg/L
10 Dichloromethane	ND	8.0 µg/L	54 Isopropylbenzene	22	2.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	2.0 µg/L
12 Carbon disulfide	ND	10 µg/L	56 n-Propylbenzene	15	2.0 µg/L
13 trans-1,2-Dichloroethene	ND	2.0 µg/L	57 4-Chlorotoluene	ND	2.0 µg/L
14 Methyl tert-butyl ether (MTBE)	11	1.0 µg/L	58 2-Chlorotoluene	ND	2.0 µg/L
15 1,1-Dichloroethane	ND	2.0 µg/L	59 1,3,5-Trimethylbenzene	ND	2.0 µg/L
16 Vinyl acetate	ND	200 µg/L	60 tert-Butylbenzene	ND	2.0 µg/L
17 2-Butanone (MEK)	ND	40 µg/L	61 1,2,4-Trimethylbenzene	ND	2.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	2.0 µg/L	62 sec-Butylbenzene	6.3	2.0 µg/L
19 cis-1,2-Dichloroethene	ND	2.0 µg/L	63 1,3-Dichlorobenzene	ND	2.0 µg/L
20 Bromochloromethane	ND	2.0 µg/L	64 1,4-Dichlorobenzene	ND	2.0 µg/L
21 Chloroform	ND	2.0 µg/L	65 4-Isopropyltoluene	ND	2.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	2.0 µg/L	66 1,2-Dichlorobenzene	ND	2.0 µg/L
23 2,2-Dichloropropane	ND	2.0 µg/L	67 n-Butylbenzene	ND	2.0 µg/L
24 1,2-Dichloroethane	ND	2.0 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	12 µg/L
25 1,1,1-Trichloroethane	ND	2.0 µg/L	69 1,2,4-Trichlorobenzene	ND	8.0 µg/L
26 1,1-Dichloropropene	ND	2.0 µg/L	70 Naphthalene	12	10 µg/L
27 Carbon tetrachloride	ND	2.0 µg/L	71 1,2,3-Trichlorobenzene	ND	8.0 µg/L
28 Benzene	4.2	1.0 µg/L	72 Surr: 1,2-Dichloroethane-d4	94	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	2.0 µg/L	73 Surr: Toluene-d8	102	(70-130) %REC
30 Dibromomethane	ND	2.0 µg/L	74 Surr: 4-Bromofluorobenzene	95	(70-130) %REC
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			

Reporting Limits were increased due to sample foaming.

ND = Not Detected



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*[Signature]*  
10/21/13

Report Date

Page 1 of 1



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

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---

## VOC Sample Preservation Report

---

Work Order: CHH13101124

Job: DFSP Norwalk

---

Alpha's Sample ID	Client's Sample ID	Matrix	pH
13101124-01A	GMW-O-9	Aqueous	2
13101124-02A	GMW-O-18	Aqueous	2
13101124-03A	GMW-14	Aqueous	2
13101124-04A	GMW-27	Aqueous	2
13101124-05A	DUP-2	Aqueous	2
13101124-06A	GMW-1	Aqueous	2
13101124-07A	EB-6	Aqueous	2
13101124-08A	MW-9	Aqueous	2

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10/21/13

Report Date

Page 1 of 1



# Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:  
21-Oct-13

## QC Summary Report

Work Order:  
13101124

### Method Blank

File ID: 2A10041390.D

Sample ID: MBLK-31803

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	ND	0.05								
Surr: Nonane	0.183		0.15		122	53	145			

### Laboratory Control Spike

File ID: 2A10041391.D

Sample ID: LCS-31803

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.15	0.05	2.5		86	70	130			
Surr: Nonane	0.171		0.15		114	53	145			

### Sample Matrix Spike

File ID: 2A10041394.D

Sample ID: 13101035-01AMS

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	3.96	0.05	2.5	0	158	51	151			M1
Surr: Nonane	0.198		0.15		132	53	145			

### Sample Matrix Spike Duplicate

File ID: 2A10041395.D

Sample ID: 13101035-01AMSD

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.71	0.05	2.5	0	108	51	151	3.962	37.7(40)	
Surr: Nonane	0.178		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.

M1 = Matrix spike recovery was high, the method control sample recovery was acceptable.



# Alpha Analytical, Inc.

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Date:  
21-Oct-13

## QC Summary Report

Work Order:  
13101124

### Method Blank

Method Blank		Type	Test Code: EPA Method SW8015B/C / SW8260B							
File ID: C:\HPCHEM\MS10\DATA\131016\13101604.D		MBLK	Batch ID: MS10W1016B		Analysis Date: 10/16/2013 11:27					
Sample ID: MBLK MS10W1016B	Units: mg/L		Run ID: MSD_10_131016A		Prep Date: 10/16/2013 11:27					
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	0.05								
Surr: 1,2-Dichloroethane-d4	0.0101		0.01		101	70	130			
Surr: Toluene-d8	0.0103		0.01		103	70	130			
Surr: 4-Bromofluorobenzene	0.00949		0.01		95	70	130			

### Laboratory Control Spike

Laboratory Control Spike		Type	Test Code: EPA Method SW8015B/C / SW8260B							
File ID: C:\HPCHEM\MS10\DATA\131016\13101603.D		LCS	Batch ID: MS10W1016B		Analysis Date: 10/16/2013 10:51					
Sample ID: GLCS MS10W1016B	Units: mg/L		Run ID: MSD_10_131016A		Prep Date: 10/16/2013 10:51					
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	0.358	0.05	0.4		90	70	130			
Surr: 1,2-Dichloroethane-d4	0.0103		0.01		103	70	130			
Surr: Toluene-d8	0.0103		0.01		103	70	130			
Surr: 4-Bromofluorobenzene	0.00939		0.01		94	70	130			

### Sample Matrix Spike

Sample Matrix Spike		Type	Test Code: EPA Method SW8015B/C / SW8260B							
File ID: C:\HPCHEM\MS10\DATA\131016\13101623.D		MS	Batch ID: MS10W1016B		Analysis Date: 10/16/2013 18:16					
Sample ID: 13101124-01AGS	Units: mg/L		Run ID: MSD_10_131016A		Prep Date: 10/16/2013 18:16					
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.53	0.25	2	0	76	54	143			
Surr: 1,2-Dichloroethane-d4	0.0483		0.05		97	70	130			
Surr: Toluene-d8	0.0509		0.05		102	70	130			
Surr: 4-Bromofluorobenzene	0.0481		0.05		96	70	130			

### Sample Matrix Spike Duplicate

Sample Matrix Spike Duplicate		Type	Test Code: EPA Method SW8015B/C / SW8260B							
File ID: C:\HPCHEM\MS10\DATA\131016\13101624.D		MSD	Batch ID: MS10W1016B		Analysis Date: 10/16/2013 18:38					
Sample ID: 13101124-01AGSD	Units: mg/L		Run ID: MSD_10_131016A		Prep Date: 10/16/2013 18:38					
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.65	0.25	2	0	82	54	143	1.53	7.4(23)	
Surr: 1,2-Dichloroethane-d4	0.0479		0.05		96	70	130			
Surr: Toluene-d8	0.051		0.05		102	70	130			
Surr: 4-Bromofluorobenzene	0.05		0.05		99.9	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.







# Alpha Analytical, Inc.

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Date:  
21-Oct-13

## QC Summary Report

Work Order:  
13101124

n-Butylbenzene	ND	1				
1,2-Dibromo-3-chloropropane (DBCP)	ND	5				
1,2,4-Trichlorobenzene	ND	2				
Naphthalene	ND	10				
1,2,3-Trichlorobenzene	ND	2				
Xylenes, Total	ND	0.5				
Surr: 1,2-Dichloroethane-d4	10.1		10	101	70	130
Surr: Toluene-d8	10.3		10	103	70	130
Surr: 4-Bromofluorobenzene	9.49		10	95	70	130



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Date:

21-Oct-13

## QC Summary Report

Work Order:

13101124

### Laboratory Control Spike

Type LCS Test Code: EPA Method SW8260B

File ID: C:\HPCHEM\MS10\DATA\131016\13101602.D

Batch ID: MS10W1016A

Analysis Date: 10/16/2013 10:30

Sample ID: LCS MS10W1016A

Units : µg/L

Run ID: MSD\_10\_131016A

Prep Date: 10/16/2013 10:30

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	14	1	10		140	32	145			
Chloromethane	8.85	2	10		89	40	145			
Vinyl chloride	11	1	10		110	80	120			
Chloroethane	10.9	1	10		109	38	156			
Bromomethane	7.28	2	10		73	14	162			
Trichlorofluoromethane	9.86	1	10		99	46	154			
Acetone	206	10	200		103	22	188			
1,1-Dichloroethene	9.81	1	10		98	80	120			
Tertiary Butyl Alcohol (TBA)	82.4	10	100		82	48	148			
Dichloromethane	8.79	2	10		88	69	130			
Freon-113	10.3	1	10		103	70	136			
trans-1,2-Dichloroethene	9.53	1	10		95	70	130			
Methyl tert-butyl ether (MTBE)	9.77	0.5	10		98	63	137			
1,1-Dichloroethane	9.11	1	10		91	70	130			
2-Butanone (MEK)	200	10	200		99.9	26	183			
Di-isopropyl Ether (DIPE)	9.3	1	10		93	69	133			
cis-1,2-Dichloroethene	9.27	1	10		93	70	130			
Bromochloromethane	9.32	1	10		93	70	133			
Chloroform	8.73	1	10		87	80	120			
Ethyl Tertiary Butyl Ether (ETBE)	10.1	1	10		101	66	135			
2,2-Dichloropropane	9.93	1	10		99	70	149			
1,2-Dichloroethane	9	1	10		90	70	133			
1,1,1-Trichloroethane	8.95	1	10		90	70	135			
1,1-Dichloropropene	9.83	1	10		98	70	130			
Carbon tetrachloride	9.33	1	10		93	63	143			
Benzene	8.74	0.5	10		87	70	130			
Tertiary Amyl Methyl Ether (TAME)	10.5	1	10		105	70	133			
Dibromomethane	9.14	1	10		91	70	130			
1,2-Dichloropropane	9.04	1	10		90	80	120			
Trichloroethene	8.88	1	10		89	68	138			
Bromodichloromethane	9.02	1	10		90	58	147			
4-Methyl-2-pentanone (MIBK)	22.8	2.5	25		91	59	140			
cis-1,3-Dichloropropene	9.26	1	10		93	70	130			
trans-1,3-Dichloropropene	9.13	1	10		91	70	131			
1,1,2-Trichloroethane	8.63	1	10		86	70	130			
Toluene	9.71	0.5	10		97	80	120			
1,3-Dichloropropane	9.75	1	10		98	70	130			
2-Hexanone	115	5	100		115	48	157			
Dibromochloromethane	10	1	10		100	49	147			
1,2-Dibromoethane (EDB)	19.1	2	20		96	70	131			
Tetrachloroethene	9.76	1	10		98	70	130			
Chlorobenzene	9.99	1	10		99.9	70	130			
Ethylbenzene	10	0.5	10		100	80	120			
m,p-Xylene	10.1	0.5	10		101	65	139			
Bromoform	8.65	1	10		87	60	144			
Styrene	10.6	1	10		106	55	144			
o-Xylene	10.4	0.5	10		104	70	130			
1,1,2,2-Tetrachloroethane	9.92	1	10		99	70	130			
1,2,3-Trichloropropane	20.8	2	20		104	70	130			
Isopropylbenzene	10.2	1	10		102	69	136			
Bromobenzene	9.76	1	10		98	70	130			
n-Propylbenzene	10.5	1	10		105	70	132			
4-Chlorotoluene	10.4	1	10		104	70	132			
2-Chlorotoluene	10.2	1	10		102	70	130			
1,3,5-Trimethylbenzene	10.7	1	10		107	70	134			
tert-Butylbenzene	10.5	1	10		105	63	139			
1,2,4-Trimethylbenzene	10.3	1	10		103	70	133			
sec-Butylbenzene	10.7	1	10		107	70	132			
1,3-Dichlorobenzene	9.95	1	10		100	70	130			
1,4-Dichlorobenzene	9.92	1	10		99	70	130			
4-Isopropyltoluene	10.5	1	10		105	40	161			
1,2-Dichlorobenzene	9.7	1	10		97	70	130			
n-Butylbenzene	10.8	1	10		108	69	134			
1,2-Dibromo-3-chloropropane (DBCP)	47.6	3	50		95	67	130			
1,2,4-Trichlorobenzene	10.1	2	10		101	62	131			



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**Date:**

21-Oct-13

## QC Summary Report

**Work Order:**

13101124

Naphthalene	9.69	2	10	97	39	149
1,2,3-Trichlorobenzene	9.9	2	10	99	54	135
Xylenes, Total	20.5	0.5	20	103	70	130
Surr: 1,2-Dichloroethane-d4	10.9		10	109	70	130
Surr: Toluene-d8	10.2		10	102	70	130
Surr: 4-Bromofluorobenzene	9.34		10	93	70	130



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Date:

21-Oct-13

## QC Summary Report

Work Order:

13101124

### Sample Matrix Spike

Type MS Test Code: EPA Method SW8260B

File ID: C:\HPCHEMMS10\DATA\131016\13101621.D

Batch ID: MS10W1016A

Analysis Date: 10/16/2013 17:33

Sample ID: 13101403-03AMS

Units: µg/L

Run ID: MSD\_10\_131016A

Prep Date: 10/16/2013 17:33

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	74.1	2.5	50	0	148	12	150			
Chloromethane	57.4	10	50	0	115	26	146			
Vinyl chloride	60.5	2.5	50	0	121	46	142			
Chloroethane	57.8	2.5	50	0	116	25	164			
Bromomethane	21	10	50	0	42	10	172			
Trichlorofluoromethane	41	2.5	50	0	82	32	164			
Acetone	884	50	1000	0	88	10	188			
1,1-Dichloroethene	51.5	2.5	50	0	103	62	133			
Tertiary Butyl Alcohol (TBA)	454	25	500	0	91	44	155			
Dichloromethane	51.9	10	50	0	104	69	130			
Freon-113	47.8	2.5	50	0	96	56	144			
trans-1,2-Dichloroethene	50.6	2.5	50	0	101	67	131			
Methyl tert-butyl ether (MTBE)	50.2	1.3	50	0	100	56	140			
1,1-Dichloroethane	48.3	2.5	50	0	97	67	130			
2-Butanone (MEK)	1000	50	1000	0	100	26	183			
Di-isopropyl Ether (DIPE)	50.1	2.5	50	0	100	59	138			
cis-1,2-Dichloroethene	51.3	2.5	50	0	103	70	130			
Bromochloromethane	53.3	2.5	50	0	107	70	134			
Chloroform	48.9	2.5	50	2.09	94	69	130			
Ethyl Tertiary Butyl Ether (ETBE)	54.9	2.5	50	0	110	62	135			
2,2-Dichloropropane	45.1	2.5	50	0	90	44	149			
1,2-Dichloroethane	45.8	2.5	50	0	92	64	139			
1,1,1-Trichloroethane	46.6	2.5	50	0	93	65	139			
1,1-Dichloropropene	48.2	2.5	50	0	96	68	134			
Carbon tetrachloride	45.5	2.5	50	0	91	56	146			
Benzene	49.4	1.3	50	0	99	67	134			
Tertiary Amyl Methyl Ether (TAME)	57	2.5	50	0	114	64	135			
Dibromomethane	48.9	2.5	50	0	98	70	132			
1,2-Dichloropropane	47.5	2.5	50	0	95	69	134			
Trichloroethene	46.8	2.5	50	0	94	68	138			
Bromodichloromethane	48	2.5	50	0	96	58	147			
4-Methyl-2-pentanone (MIBK)	134	13	125	0	107	49	140			
cis-1,3-Dichloropropene	48.8	2.5	50	0	98	61	130			
trans-1,3-Dichloropropene	49.2	2.5	50	0	98	62	131			
1,1,2-Trichloroethane	50	2.5	50	0	99.9	70	131			
Toluene	63.5	1.3	50	0	127	38	130			
1,3-Dichloropropane	51.1	2.5	50	0	102	70	130			
2-Hexanone	403	25	500	0	81	25	157			
Dibromochloromethane	52.5	2.5	50	0	105	49	147			
1,2-Dibromoethane (EDB)	104	5	100	0	104	70	131			
Tetrachloroethene	52.9	2.5	50	0	106	63	134			
1,1,1,2-Tetrachloroethane	55.2	2.5	50	0	110	70	133			
Chlorobenzene	57.4	2.5	50	0	115	70	130			
Ethylbenzene	59.1	1.3	50	0	118	70	130			
m,p-Xylene	68.2	1.3	50	0	136	65	139			
Bromoform	48	2.5	50	0	96	60	144			
Styrene	62.1	2.5	50	0	124	53	144			
o-Xylene	63.8	1.3	50	0	128	69	130			
1,1,2,2-Tetrachloroethane	61.8	2.5	50	0	124	67	134			
1,2,3-Trichloropropane	110	10	100	0	110	70	130			
Isopropylbenzene	56.6	2.5	50	0	113	64	136			
Bromobenzene	58.1	2.5	50	0	116	69	130			
n-Propylbenzene	57.4	2.5	50	0	115	65	132			
4-Chlorotoluene	57.8	2.5	50	0	116	69	132			
2-Chlorotoluene	57.2	2.5	50	0	114	69	130			
1,3,5-Trimethylbenzene	59.6	2.5	50	0	119	64	135			
tert-Butylbenzene	56	2.5	50	0	112	63	139			
1,2,4-Trimethylbenzene	62.9	2.5	50	0	126	62	135			
sec-Butylbenzene	54.6	2.5	50	0	109	68	132			
1,3-Dichlorobenzene	55.8	2.5	50	0	112	70	130			
1,4-Dichlorobenzene	55.4	2.5	50	0	111	70	130			
4-Isopropyltoluene	54.3	2.5	50	0	109	40	161			
1,2-Dichlorobenzene	54.5	2.5	50	0	109	70	130			
n-Butylbenzene	53	2.5	50	0	106	58	135			
1,2-Dibromo-3-chloropropane (DBCP)	280	15	250	0	112	63	131			



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Date:

21-Oct-13

## QC Summary Report

Work Order:

13101124

1,2,4-Trichlorobenzene	53	10	50	0	106	57	134
Naphthalene	59	10	50	0	118	31	157
1,2,3-Trichlorobenzene	52.2	10	50	0	104	52	138
Xylenes, Total	132	1.3	100	0	132	70	130
Surr: 1,2-Dichloroethane-d4	48.6		50		97	70	130
Surr: Toluene-d8	50.6		50		101	70	130
Surr: 4-Bromofluorobenzene	47.9		50		96	70	130

M1



# Alpha Analytical, Inc.

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Date:

21-Oct-13

## QC Summary Report

Work Order:

13101124

### Sample Matrix Spike Duplicate

Type MSD Test Code: EPA Method SW8260B

File ID: C:\HPCHEM\MS10\DATA\131016\13101622.D

Batch ID: MS10W1016A

Analysis Date: 10/16/2013 17:55

Sample ID: 13101403-03AMSD

Units: µg/L

Run ID: MSD\_10\_131016A

Prep Date: 10/16/2013 17:55

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	80.1	2.5	50	0	160	12	150	74.06	7.8(38)	M1
Chloromethane	54.3	10	50	0	109	26	146	57.44	5.7(31)	
Vinyl chloride	62.5	2.5	50	0	125	46	142	60.51	3.2(25)	
Chloroethane	57.2	2.5	50	0	114	25	164	57.78	1.0(40)	
Bromomethane	26.3	10	50	0	53	10	172	20.98	22.3(40)	
Trichlorofluoromethane	45.1	2.5	50	0	90	32	164	40.97	9.6(34)	
Acetone	885	50	1000	0	88	10	188	884.4	0.0(39)	
1,1-Dichloroethene	55.8	2.5	50	0	112	62	133	51.45	8.1(35)	
Tertiary Butyl Alcohol (TBA)	457	25	500	0	91	44	155	453.9	0.6(33)	
Dichloromethane	51.3	10	50	0	103	69	130	51.85	1.1(26)	
Freon-113	54.1	2.5	50	0	108	56	144	47.82	12.3(40)	
trans-1,2-Dichloroethene	53.5	2.5	50	0	107	67	131	50.64	5.4(27)	
Methyl tert-butyl ether (MTBE)	53.2	1.3	50	0	106	56	140	50.2	5.8(40)	
1,1-Dichloroethane	50.9	2.5	50	0	102	67	130	48.25	5.3(20)	
2-Butanone (MEK)	1030	50	1000	0	103	26	183	1002	3.0(22)	
Di-isopropyl Ether (DIPE)	51.9	2.5	50	0	104	59	138	50.08	3.7(20)	
cis-1,2-Dichloroethene	53.8	2.5	50	0	108	70	130	51.29	4.7(20)	
Bromochloromethane	54.5	2.5	50	0	109	70	134	53.31	2.2(20)	
Chloroform	50.7	2.5	50	2.09	97	69	130	48.85	3.7(22)	
Ethyl Tertiary Butyl Ether (ETBE)	57	2.5	50	0	114	62	135	54.92	3.8(40)	
2,2-Dichloropropane	46.3	2.5	50	0	93	44	149	45.11	2.6(23)	
1,2-Dichloroethane	47.6	2.5	50	0	95	64	139	45.75	3.9(20)	
1,1,1-Trichloroethane	49.5	2.5	50	0	99	65	139	46.62	6.0(20)	
1,1-Dichloropropene	52.5	2.5	50	0	105	68	134	48.18	8.6(20)	
Carbon tetrachloride	50.1	2.5	50	0	100	56	146	45.51	9.6(21)	
Benzene	50.5	1.3	50	0	101	67	134	49.44	2.0(21)	
Tertiary Amyl Methyl Ether (TAME)	58.1	2.5	50	0	116	64	135	57.04	1.8(31)	
Dibromomethane	50.4	2.5	50	0	101	70	132	48.9	3.0(20)	
1,2-Dichloropropane	49.1	2.5	50	0	98	69	134	47.51	3.3(20)	
Trichloroethene	49.3	2.5	50	0	99	68	138	46.82	5.1(20)	
Bromodichloromethane	49.8	2.5	50	0	100	58	147	48.01	3.6(20)	
4-Methyl-2-pentanone (MIBK)	129	13	125	0	104	49	140	134.1	3.6(24)	
cis-1,3-Dichloropropene	50	2.5	50	0	100	61	130	48.79	2.5(20)	
trans-1,3-Dichloropropene	49	2.5	50	0	98	62	131	49.23	0.4(21)	
1,1,2-Trichloroethane	49.4	2.5	50	0	99	70	131	49.95	1.1(20)	
Toluene	60	1.3	50	0	120	38	130	63.45	5.7(20)	
1,3-Dichloropropane	54.4	2.5	50	0	109	70	130	51.06	6.3(20)	
2-Hexanone	403	25	500	0	81	25	157	403.3	0.2(23)	
Dibromochloromethane	55.9	2.5	50	0	112	49	147	52.49	6.3(20)	
1,2-Dibromoethane (EDB)	109	5	100	0	109	70	131	104.3	4.2(20)	
Tetrachloroethene	55.8	2.5	50	0	112	63	134	52.85	5.4(20)	
1,1,1,2-Tetrachloroethane	59.1	2.5	50	0	118	70	133	55.2	6.9(20)	
Chlorobenzene	58.5	2.5	50	0	117	70	130	57.4	1.9(20)	
Ethylbenzene	59.3	1.3	50	0	119	70	130	59.09	0.3(20)	
m,p-Xylene	61.4	1.3	50	0	123	65	139	68.16	10.5(20)	
Bromoform	49.2	2.5	50	0	98	60	144	48.03	2.5(21)	
Styrene	61.5	2.5	50	0	123	53	144	62.06	1.0(31)	
o-Xylene	61.1	1.3	50	0	122	69	130	63.81	4.3(20)	
1,1,2,2-Tetrachloroethane	60.1	2.5	50	0	120	67	134	61.83	2.8(20)	
1,2,3-Trichloropropane	108	10	100	0	108	70	130	109.5	1.8(20)	
Isopropylbenzene	60	2.5	50	0	120	64	136	56.64	5.8(20)	
Bromobenzene	59.2	2.5	50	0	118	69	130	58.08	1.9(20)	
n-Propylbenzene	60.2	2.5	50	0	120	65	132	57.43	4.7(40)	
4-Chlorotoluene	60.4	2.5	50	0	121	69	132	57.83	4.4(20)	
2-Chlorotoluene	59.8	2.5	50	0	120	69	130	57.21	4.5(20)	
1,3,5-Trimethylbenzene	61.5	2.5	50	0	123	64	135	59.62	3.1(21)	
tert-Butylbenzene	59.3	2.5	50	0	119	63	139	56.04	5.7(20)	
1,2,4-Trimethylbenzene	61.2	2.5	50	0	122	62	135	62.85	2.7(24)	
sec-Butylbenzene	58.4	2.5	50	0	117	68	132	54.64	6.6(20)	
1,3-Dichlorobenzene	57.4	2.5	50	0	115	70	130	55.83	2.7(20)	
1,4-Dichlorobenzene	58	2.5	50	0	116	70	130	55.37	4.6(20)	
4-Isopropyltoluene	58.1	2.5	50	0	116	40	161	54.33	6.7(22)	
1,2-Dichlorobenzene	56.2	2.5	50	0	112	70	130	54.49	3.0(20)	
n-Butylbenzene	57.4	2.5	50	0	115	58	135	52.97	7.9(24)	
1,2-Dibromo-3-chloropropane (DBCP)	285	15	250	0	114	63	131	279.5	2.1(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:**

21-Oct-13

## QC Summary Report

**Work Order:**

13101124

1,2,4-Trichlorobenzene	56.1	10	50	0	112	57	134	53	5.7(30)
Naphthalene	60	10	50	0	120	31	157	58.96	1.7(40)
1,2,3-Trichlorobenzene	56.4	10	50	0	113	52	138	52.17	7.7(39)
Xylenes, Total	123	1.3	100	0	123	70	130	132	7.4(22)
Surr: 1,2-Dichloroethane-d4	49		50		98	70	130		
Surr: Toluene-d8	51.7		50		103	70	130		
Surr: 4-Bromofluorobenzene	48.8		50		98	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.

M1 = Matrix spike recovery was high, the method control sample recovery was acceptable.

# 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 : CHHL13101124**  
**Report Due By : 5:00 PM On : 22-Oct-13**

**Client:**  
 CH2M Hill  
 1000 Wilshire Boulevard  
 21st Floor  
 Los Angeles, CA 90017

Report Attention	Phone Number	E-Mail 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 : Samuel Ramirez

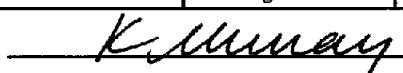
PO :  
 Client's COC # : none Job : DFSP Norwalk

Cooler Temp	Samples Received	Date Printed
2 °C	11-Oct-13	11-Oct-13

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix	No. of Bottles Alpha Sub TAT	Requested Tests						Sample Remarks	
				TPHE_W	TPHE_P	VOC_W					
CHH13101124-01A	GMW-O-9	AQ 10/10/13 11:31	5 0 7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate					
CHH13101124-02A	GMW-O-18	AQ 10/10/13 12:12	5 0 7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate					
CHH13101124-03A	GMW-14	AQ 10/10/13 13:16	5 0 7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate					
CHH13101124-04A	GMW-27	AQ 10/10/13 14:06	5 0 7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate					
CHH13101124-05A	DUP-2	AQ 10/10/13 00:00	5 0 7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate					
CHH13101124-06A	GMW-1	AQ 10/10/13 15:03	5 0 7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate					
CHH13101124-07A	EB-6	AQ 10/10/13 15:55	5 0 7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate					
CHH13101124-08A	MW-9	AQ 10/10/13 15:41	5 0 7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate					

**Comments:** Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Total Xylenes. :

Signature	Print Name	Company	Date/Time
	K Murray	Alpha Analytical, Inc.	10/11/13 110

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

Alpha Analytical COC 1 of 1

CHAIN OF CUSTODY

CLIENT **Kinder Morgan**

SITE **DFSP Norwalk**

**15306 Norwalk Blvd, Norwalk**

CONDUCT ANALYSIS TO DETECT

LAB

Billing Information:  
 Kinder Morgan  
 1100 Town and Country Rd.  
 Orange CA 95112

Kinder Morgan Norwalk  
 Report to:  
 Dan Jablonski  
 CH2MHILL  
 1000 Wilshire Blvd 21st floor  
 Los Angeles, CA 90017

CHH13101124

SAMPLE I.D.	DATE	TIME	MATRIX AG= Water	CONTAINERS			TPHg, TPHd (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
				#	Preservation	Type												
GMW-0-9	10-10-13	1131	w	5	HCl	WMS	X	X										01
GMW-0-18		1212					X	X										02
GMW-14		1316					X	X										03
GMW-27		1406					X	X										04
DUP-2		-					X	X										05
GMW-1		1503					X	X										06
<del>MW-9</del>		<del>1540</del>					X	X										SR
EB-6		1555					X	X										07
MW-9		1541					X	X										08

RESULTS NEEDED NO LATER THAN **Standard**

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	TIME	RECEIVED BY	DATE	TIME
RELEASED BY	10-10-13	1600	Samuel Ramirez	1640	Nicole	10/10/13	1640
RELEASED BY			Nicole	1712	[Signature]	10/10/13	1712
RELEASED BY			[Signature]	1712	K Murray	10/11/13	1100
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 : 10/11/13

Job: DFSP Norwalk

Total Petroleum Hydrocarbons - Extractable (TPH-E) EPA Method SW8015B  
Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B / SW8260B

Client ID	Lab ID	Date Sampled	Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
MW-15	CHH13101402-01A	10/11/13 07:52	TPH-E (DRO)	140 K	0.50 mg/L	10/14/13	10/15/13
			Surr: Nonane	0 S50	(53-145) %REC	10/14/13	10/15/13
			TPH-P (GRO)	2.0	0.20 mg/L	10/21/13	10/21/13
			Surr: 1,2-Dichloroethane-d4	108	(70-130) %REC	10/21/13	10/21/13
			Surr: Toluene-d8	95	(70-130) %REC	10/21/13	10/21/13
			Surr: 4-Bromofluorobenzene	102	(70-130) %REC	10/21/13	10/21/13
GMW-4	CHH13101402-02A	10/11/13 08:26	TPH-E (DRO)	2.4 K	0.050 mg/L	10/14/13	10/14/13
			Surr: Nonane	126	(53-145) %REC	10/14/13	10/14/13
			TPH-P (GRO)	1.8	0.10 mg/L	10/18/13	10/18/13
			Surr: 1,2-Dichloroethane-d4	104	(70-130) %REC	10/18/13	10/18/13
			Surr: Toluene-d8	94	(70-130) %REC	10/18/13	10/18/13
			Surr: 4-Bromofluorobenzene	97	(70-130) %REC	10/18/13	10/18/13
GMW-10	CHH13101402-03A	10/11/13 08:56	TPH-E (DRO)	9.5	0.050 mg/L	10/14/13	10/14/13
			Surr: Nonane	0 S51	(53-145) %REC	10/14/13	10/14/13
			TPH-P (GRO)	13	2.0 mg/L	10/18/13	10/18/13
			Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC	10/18/13	10/18/13
			Surr: Toluene-d8	101	(70-130) %REC	10/18/13	10/18/13
			Surr: 4-Bromofluorobenzene	94	(70-130) %REC	10/18/13	10/18/13
GMW-36	CHH13101402-04A	10/11/13 09:41	TPH-E (DRO)	130	0.50 mg/L	10/14/13	10/15/13
			Surr: Nonane	0 S50	(53-145) %REC	10/14/13	10/15/13
			TPH-P (GRO)	120	20 mg/L	10/18/13	10/18/13
			Surr: 1,2-Dichloroethane-d4	91	(70-130) %REC	10/18/13	10/18/13
			Surr: Toluene-d8	104	(70-130) %REC	10/18/13	10/18/13
			Surr: 4-Bromofluorobenzene	93	(70-130) %REC	10/18/13	10/18/13
GMW-O-15	CHH13101402-05A	10/11/13 10:16	TPH-E (DRO)	88	0.050 mg/L	10/14/13	10/14/13
			Surr: Nonane	0 S51	(53-145) %REC	10/14/13	10/14/13
			TPH-P (GRO)	56	10 mg/L	10/18/13	10/18/13
			Surr: 1,2-Dichloroethane-d4	96	(70-130) %REC	10/18/13	10/18/13
			Surr: Toluene-d8	102	(70-130) %REC	10/18/13	10/18/13
			Surr: 4-Bromofluorobenzene	92	(70-130) %REC	10/18/13	10/18/13
GMW-O-12	CHH13101402-06A	10/11/13 10:51	TPH-E (DRO)	73	0.50 mg/L	10/14/13	10/15/13
			Surr: Nonane	0 S50	(53-145) %REC	10/14/13	10/15/13
			TPH-P (GRO)	30	13 mg/L	10/18/13	10/18/13
			Surr: 1,2-Dichloroethane-d4	97	(70-130) %REC	10/18/13	10/18/13
			Surr: Toluene-d8	103	(70-130) %REC	10/18/13	10/18/13
			Surr: 4-Bromofluorobenzene	91	(70-130) %REC	10/18/13	10/18/13



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<b>Client ID : EB-7</b>						
Lab ID :	CHH13101402-07A	TPH-E (DRO)	ND	0.050 mg/L	10/14/13	10/14/13
Date Sampled	10/11/13 11:00	Surr: Nonane	114	(53-145) %REC	10/14/13	10/14/13
		TPH-P (GRO)	ND	0.050 mg/L	10/18/13	10/18/13
		Surr: 1,2-Dichloroethane-d4	99	(70-130) %REC	10/18/13	10/18/13
		Surr: Toluene-d8	107	(70-130) %REC	10/18/13	10/18/13
		Surr: 4-Bromofluorobenzene	105	(70-130) %REC	10/18/13	10/18/13
<b>Client ID : DUP-4</b>						
Lab ID :	CHH13101402-08A	TPH-E (DRO)	6.2	0.050 mg/L	10/14/13	10/14/13
Date Sampled	10/11/13 00:00	Surr: Nonane	138	(53-145) %REC	10/14/13	10/14/13
		TPH-P (GRO)	57	20 mg/L	10/21/13	10/21/13
		Surr: 1,2-Dichloroethane-d4	103	(70-130) %REC	10/21/13	10/21/13
		Surr: Toluene-d8	97	(70-130) %REC	10/21/13	10/21/13
		Surr: 4-Bromofluorobenzene	96	(70-130) %REC	10/21/13	10/21/13
<b>Client ID : DUP-5</b>						
Lab ID :	CHH13101402-09A	TPH-E (DRO)	ND	0.050 mg/L	10/14/13	10/14/13
Date Sampled	10/11/13 00:00	Surr: Nonane	118	(53-145) %REC	10/14/13	10/14/13
		TPH-P (GRO)	0.075	0.050 mg/L	10/18/13	10/18/13
		Surr: 1,2-Dichloroethane-d4	104	(70-130) %REC	10/18/13	10/18/13
		Surr: Toluene-d8	99	(70-130) %REC	10/18/13	10/18/13
		Surr: 4-Bromofluorobenzene	96	(70-130) %REC	10/18/13	10/18/13
<b>Client ID : MW-SF-9</b>						
Lab ID :	CHH13101402-10A	TPH-E (DRO)	7.3	0.050 mg/L	10/14/13	10/14/13
Date Sampled	10/11/13 08:46	Surr: Nonane	119	(53-145) %REC	10/14/13	10/14/13
		TPH-P (GRO)	4.1	2.0 mg/L	10/18/13	10/18/13
		Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC	10/18/13	10/18/13
		Surr: Toluene-d8	100	(70-130) %REC	10/18/13	10/18/13
		Surr: 4-Bromofluorobenzene	96	(70-130) %REC	10/18/13	10/18/13
<b>Client ID : PZ-5</b>						
Lab ID :	CHH13101402-11A	TPH-E (DRO)	6.2	0.050 mg/L	10/14/13	10/14/13
Date Sampled	10/11/13 09:42	Surr: Nonane	0	(53-145) %REC	10/14/13	10/14/13
		TPH-P (GRO)	49	20 mg/L	10/21/13	10/21/13
		Surr: 1,2-Dichloroethane-d4	103	(70-130) %REC	10/21/13	10/21/13
		Surr: Toluene-d8	97	(70-130) %REC	10/21/13	10/21/13
		Surr: 4-Bromofluorobenzene	95	(70-130) %REC	10/21/13	10/21/13
<b>Client ID : GMW-O-10</b>						
Lab ID :	CHH13101402-12A	TPH-E (DRO)	0.064	0.050 mg/L	10/14/13	10/14/13
Date Sampled	10/11/13 10:37	Surr: Nonane	104	(53-145) %REC	10/14/13	10/14/13
		TPH-P (GRO)	0.075	0.050 mg/L	10/21/13	10/21/13
		Surr: 1,2-Dichloroethane-d4	101	(70-130) %REC	10/21/13	10/21/13
		Surr: Toluene-d8	96	(70-130) %REC	10/21/13	10/21/13
		Surr: 4-Bromofluorobenzene	97	(70-130) %REC	10/21/13	10/21/13
<b>Client ID : GMW-O-14</b>						
Lab ID :	CHH13101402-13A	TPH-E (DRO)	3.0	0.050 mg/L	10/14/13	10/14/13
Date Sampled	10/11/13 11:45	Surr: Nonane	130	(53-145) %REC	10/14/13	10/14/13
		TPH-P (GRO)	54	13 mg/L	10/18/13	10/18/13
		Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC	10/18/13	10/18/13
		Surr: Toluene-d8	104	(70-130) %REC	10/18/13	10/18/13
		Surr: 4-Bromofluorobenzene	95	(70-130) %REC	10/18/13	10/18/13
<b>Client ID : MW-O-2</b>						
Lab ID :	CHH13101402-14A	TPH-E (DRO)	4.8	0.050 mg/L	10/14/13	10/14/13
Date Sampled	10/11/13 12:10	Surr: Nonane	127	(53-145) %REC	10/14/13	10/14/13
		TPH-P (GRO)	43	13 mg/L	10/18/13	10/18/13
		Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC	10/18/13	10/18/13
		Surr: Toluene-d8	103	(70-130) %REC	10/18/13	10/18/13
		Surr: 4-Bromofluorobenzene	95	(70-130) %REC	10/18/13	10/18/13



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<b>Client ID : EB-9</b>						
Lab ID :	CHH13101402-15A	TPH-E (DRO)	ND	0.050 mg/L	10/14/13	10/14/13
Date Sampled	10/11/13 12:20	Surr: Nonane	114	(53-145) %REC	10/14/13	10/14/13
		TPH-P (GRO)	ND	0.050 mg/L	10/18/13	10/18/13
		Surr: 1,2-Dichloroethane-d4	107	(70-130) %REC	10/18/13	10/18/13
		Surr: Toluene-d8	103	(70-130) %REC	10/18/13	10/18/13
		Surr: 4-Bromofluorobenzene	98	(70-130) %REC	10/18/13	10/18/13
<b>Client ID : GWR-1</b>						
Lab ID :	CHH13101402-17A	TPH-E (DRO)	0.22	0.050 mg/L	10/14/13	10/14/13
Date Sampled	10/11/13 11:55	Surr: Nonane	106	(53-145) %REC	10/14/13	10/14/13
		TPH-P (GRO)	ND	0.20 mg/L	10/18/13	10/18/13
		Surr: 1,2-Dichloroethane-d4	91	(70-130) %REC	10/18/13	10/18/13
		Surr: Toluene-d8	99	(70-130) %REC	10/18/13	10/18/13
		Surr: 4-Bromofluorobenzene	96	(70-130) %REC	10/18/13	10/18/13
<b>Client ID : PZ-2</b>						
Lab ID :	CHH13101402-18A	TPH-E (DRO)	0.58	0.050 mg/L	10/14/13	10/15/13
Date Sampled	10/11/13 10:55	Surr: Nonane	104	(53-145) %REC	10/14/13	10/15/13
		TPH-P (GRO)	0.40	0.10 mg/L	10/18/13	10/18/13
		Surr: 1,2-Dichloroethane-d4	103	(70-130) %REC	10/18/13	10/18/13
		Surr: Toluene-d8	98	(70-130) %REC	10/18/13	10/18/13
		Surr: 4-Bromofluorobenzene	94	(70-130) %REC	10/18/13	10/18/13
<b>Client ID : EB-8</b>						
Lab ID :	CHH13101402-19A	TPH-E (DRO)	ND	0.050 mg/L	10/14/13	10/15/13
Date Sampled	10/11/13 12:05	Surr: Nonane	109	(53-145) %REC	10/14/13	10/15/13
		TPH-P (GRO)	ND	0.050 mg/L	10/18/13	10/18/13
		Surr: 1,2-Dichloroethane-d4	105	(70-130) %REC	10/18/13	10/18/13
		Surr: Toluene-d8	100	(70-130) %REC	10/18/13	10/18/13
		Surr: 4-Bromofluorobenzene	98	(70-130) %REC	10/18/13	10/18/13

Diesel Range Organics (DRO) C13-C22

Gasoline Range Organics (GRO) C4-C13

K = DRO concentration may include contributions from lighter-end hydrocarbons that elute in the DRO range.

O = Reporting Limits were increased due to sample foaming.

S50 = The analysis of the sample required a dilution such that the surrogate concentration was diluted below the laboratory acceptance criteria. The laboratory control sample was acceptable.

S51 = Surrogate recovery could not be determined due to the presence of co-eluting hydrocarbons.

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  
 Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.



*PS*  
 10/22/13

**Report Date**

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.



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## 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: CHH13101402-01A  
Client I.D. Number: MW-15

Sampled: 10/11/13 07:52  
Received: 10/11/13  
Extracted: 10/21/13  
Analyzed: 10/21/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	2.0 µg/L	45 Chlorobenzene	ND	2.0 µg/L
2 Chloromethane	ND	8.0 µg/L	46 Ethylbenzene	ND	1.0 µg/L
3 Vinyl chloride	ND	2.0 µg/L	47 m,p-Xylene	ND	1.0 µg/L
4 Chloroethane	ND	2.0 µg/L	48 Bromoform	ND	2.0 µg/L
5 Bromomethane	ND	8.0 µg/L	49 Xylenes, Total	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	2.0 µg/L
7 Acetone	ND	40 µg/L	51 o-Xylene	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	2.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	20 µg/L	53 1,2,3-Trichloropropane	ND	8.0 µg/L
10 Dichloromethane	ND	8.0 µg/L	54 Isopropylbenzene	ND	2.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	2.0 µg/L
12 Carbon disulfide	ND	10 µg/L	56 n-Propylbenzene	ND	2.0 µg/L
13 trans-1,2-Dichloroethene	ND	2.0 µg/L	57 4-Chlorotoluene	ND	2.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	1.0 µg/L	58 2-Chlorotoluene	ND	2.0 µg/L
15 1,1-Dichloroethane	ND	2.0 µg/L	59 1,3,5-Trimethylbenzene	ND	2.0 µg/L
16 Vinyl acetate	ND	200 µg/L	60 tert-Butylbenzene	ND	2.0 µg/L
17 2-Butanone (MEK)	ND	40 µg/L	61 1,2,4-Trimethylbenzene	ND	2.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	2.0 µg/L	62 sec-Butylbenzene	ND	2.0 µg/L
19 cis-1,2-Dichloroethene	ND	2.0 µg/L	63 1,3-Dichlorobenzene	ND	2.0 µg/L
20 Bromochloromethane	ND	2.0 µg/L	64 1,4-Dichlorobenzene	ND	2.0 µg/L
21 Chloroform	ND	2.0 µg/L	65 4-Isopropyltoluene	3.0	2.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	2.0 µg/L	66 1,2-Dichlorobenzene	ND	2.0 µg/L
23 2,2-Dichloropropane	ND	2.0 µg/L	67 n-Butylbenzene	ND	2.0 µg/L
24 1,2-Dichloroethane	ND	2.0 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	12 µg/L
25 1,1,1-Trichloroethane	ND	2.0 µg/L	69 1,2,4-Trichlorobenzene	ND	8.0 µg/L
26 1,1-Dichloropropene	ND	2.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	2.0 µg/L	71 1,2,3-Trichlorobenzene	ND	8.0 µg/L
28 Benzene	ND	1.0 µg/L	72 Surr: 1,2-Dichloroethane-d4	108	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	2.0 µg/L	73 Surr: Toluene-d8	95	(70-130) %REC
30 Dibromomethane	ND	2.0 µg/L	74 Surr: 4-Bromofluorobenzene	102	(70-130) %REC
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			

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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*YAB*

10/22/13

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# 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: CHH13101402-02A  
Client I.D. Number: GMW-4

Sampled: 10/11/13 08:26  
Received: 10/11/13  
Extracted: 10/18/13  
Analyzed: 10/18/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	4.0 µg/L	46 Ethylbenzene	1.1	0.50 µg/L
3 Vinyl chloride	ND	1.0 µg/L	47 m,p-Xylene	1.1	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	4.0 µg/L	49 Xylenes, Total	1.7	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	20 µg/L	51 o-Xylene	0.54	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	4.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	13	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	5.0 µg/L	56 n-Propylbenzene	8.7	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	2.2	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	100 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	20 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	3.8	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	1.4	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	1.3	1.0 µg/L
24 1,2-Dichloroethane	ND	1.0 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	6.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	4.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	38	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	4.0 µg/L
28 Benzene	24	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	104	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	94	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	97	(70-130) %REC
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			

Some Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected



*Roger Scholl*     *Randy Gardner*     *Walter Hinrichsen*  
Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinrichsen, Quality Assurance Officer  
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*[Signature]*

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# 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: CHH13101402-03A  
Client I.D. Number: GMW-10

Sampled: 10/11/13 08:56  
Received: 10/11/13  
Extracted: 10/18/13  
Analyzed: 10/18/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	20 µg/L	45 Chlorobenzene	ND	20 µg/L
2 Chloromethane	ND	80 µg/L	46 Ethylbenzene	350	10 µg/L
3 Vinyl chloride	ND	20 µg/L	47 m,p-Xylene	1,400	10 µg/L
4 Chloroethane	ND	20 µg/L	48 Bromoform	ND	20 µg/L
5 Bromomethane	ND	80 µg/L	49 Xylenes, Total	1,900	10 µg/L
6 Trichlorofluoromethane	ND	20 µg/L	50 Styrene	ND	20 µg/L
7 Acetone	ND	400 µg/L	51 o-Xylene	490	10 µg/L
8 1,1-Dichloroethene	ND	20 µg/L	52 1,1,2,2-Tetrachloroethane	ND	20 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	200 µg/L	53 1,2,3-Trichloropropane	ND	80 µg/L
10 Dichloromethane	ND	80 µg/L	54 Isopropylbenzene	36	20 µg/L
11 Freon-113	ND	20 µg/L	55 Bromobenzene	ND	20 µg/L
12 Carbon disulfide	ND	100 µg/L	56 n-Propylbenzene	54	20 µg/L
13 trans-1,2-Dichloroethene	ND	20 µg/L	57 4-Chlorotoluene	ND	20 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	10 µg/L	58 2-Chlorotoluene	ND	20 µg/L
15 1,1-Dichloroethane	ND	20 µg/L	59 1,3,5-Trimethylbenzene	96	20 µg/L
16 Vinyl acetate	ND	2,000 µg/L	60 tert-Butylbenzene	ND	20 µg/L
17 2-Butanone (MEK)	ND	400 µg/L	61 1,2,4-Trimethylbenzene	310	20 µg/L
18 Di-isopropyl Ether (DIPE)	ND	20 µg/L	62 sec-Butylbenzene	ND	20 µg/L
19 cis-1,2-Dichloroethene	ND	20 µg/L	63 1,3-Dichlorobenzene	ND	20 µg/L
20 Bromochloromethane	ND	20 µg/L	64 1,4-Dichlorobenzene	ND	20 µg/L
21 Chloroform	ND	20 µg/L	65 4-Isopropyltoluene	ND	20 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	20 µg/L	66 1,2-Dichlorobenzene	ND	20 µg/L
23 2,2-Dichloropropane	ND	20 µg/L	67 n-Butylbenzene	ND	20 µg/L
24 1,2-Dichloroethane	ND	20 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	120 µg/L
25 1,1,1-Trichloroethane	ND	20 µg/L	69 1,2,4-Trichlorobenzene	ND	80 µg/L
26 1,1-Dichloropropene	ND	20 µg/L	70 Naphthalene	160	80 µg/L
27 Carbon tetrachloride	ND	20 µg/L	71 1,2,3-Trichlorobenzene	ND	80 µg/L
28 Benzene	1,100	10 µg/L	72 Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	20 µg/L	73 Surr: Toluene-d8	101	(70-130) %REC
30 Dibromomethane	ND	20 µg/L	74 Surr: 4-Bromofluorobenzene	94	(70-130) %REC
31 1,2-Dichloropropane	ND	20 µg/L			
32 Trichloroethene	ND	20 µg/L			
33 Bromodichloromethane	ND	20 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	100 µg/L			
35 cis-1,3-Dichloropropene	ND	20 µg/L			
36 trans-1,3-Dichloropropene	ND	20 µg/L			
37 1,1,2-Trichloroethane	ND	20 µg/L			
38 Toluene	800	10 µg/L			
39 1,3-Dichloropropane	ND	20 µg/L			
40 2-Hexanone	ND	200 µg/L			
41 Dibromochloromethane	ND	20 µg/L			
42 1,2-Dibromoethane (EDB)	ND	40 µg/L			
43 Tetrachloroethene	ND	20 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	20 µg/L			

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.

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: CHH13101402-04A  
Client I.D. Number: GMW-36

Sampled: 10/11/13 09:41  
Received: 10/11/13  
Extracted: 10/18/13  
Analyzed: 10/18/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	200 µg/L	45 Chlorobenzene	ND	200 µg/L
2 Chloromethane	ND	800 µg/L	46 Ethylbenzene	3,400	100 µg/L
3 Vinyl chloride	ND	200 µg/L	47 m,p-Xylene	13,000	100 µg/L
4 Chloroethane	ND	200 µg/L	48 Bromoform	ND	200 µg/L
5 Bromomethane	ND	800 µg/L	49 Xylenes, Total	18,000	100 µg/L
6 Trichlorofluoromethane	ND	200 µg/L	50 Styrene	ND	200 µg/L
7 Acetone	ND	4,000 µg/L	51 o-Xylene	5,500	100 µg/L
8 1,1-Dichloroethene	ND	200 µg/L	52 1,1,2,2-Tetrachloroethane	ND	200 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	2,000 µg/L	53 1,2,3-Trichloropropane	ND	800 µg/L
10 Dichloromethane	ND	800 µg/L	54 Isopropylbenzene	ND	200 µg/L
11 Freon-113	ND	200 µg/L	55 Bromobenzene	ND	200 µg/L
12 Carbon disulfide	ND	1,000 µg/L	56 n-Propylbenzene	330	200 µg/L
13 trans-1,2-Dichloroethene	ND	200 µg/L	57 4-Chlorotoluene	ND	200 µg/L
14 Methyl tert-butyl ether (MTBE)	380	100 µg/L	58 2-Chlorotoluene	ND	200 µg/L
15 1,1-Dichloroethane	ND	200 µg/L	59 1,3,5-Trimethylbenzene	820	200 µg/L
16 Vinyl acetate	ND	20,000 µg/L	60 tert-Butylbenzene	ND	200 µg/L
17 2-Butanone (MEK)	ND	4,000 µg/L	61 1,2,4-Trimethylbenzene	3,400	200 µg/L
18 Di-isopropyl Ether (DIPE)	ND	200 µg/L	62 sec-Butylbenzene	ND	200 µg/L
19 cis-1,2-Dichloroethene	ND	200 µg/L	63 1,3-Dichlorobenzene	ND	200 µg/L
20 Bromochloromethane	ND	200 µg/L	64 1,4-Dichlorobenzene	ND	200 µg/L
21 Chloroform	ND	200 µg/L	65 4-Isopropyltoluene	ND	200 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	200 µg/L	66 1,2-Dichlorobenzene	ND	200 µg/L
23 2,2-Dichloropropane	ND	200 µg/L	67 n-Butylbenzene	ND	200 µg/L
24 1,2-Dichloroethane	ND	200 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	1,200 µg/L
25 1,1,1-Trichloroethane	ND	200 µg/L	69 1,2,4-Trichlorobenzene	ND	800 µg/L
26 1,1-Dichloropropene	ND	200 µg/L	70 Naphthalene	1,500	800 µg/L
27 Carbon tetrachloride	ND	200 µg/L	71 1,2,3-Trichlorobenzene	ND	800 µg/L
28 Benzene	9,600	100 µg/L	72 Surr: 1,2-Dichloroethane-d4	91	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	200 µg/L	73 Surr: Toluene-d8	104	(70-130) %REC
30 Dibromomethane	ND	200 µg/L	74 Surr: 4-Bromofluorobenzene	93	(70-130) %REC
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	18,000	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			

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.

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: CHH13101402-05A  
Client I.D. Number: GMW-O-15

Sampled: 10/11/13 10:16  
Received: 10/11/13  
Extracted: 10/18/13  
Analyzed: 10/18/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	100 µg/L	45 Chlorobenzene	ND	100 µg/L
2 Chloromethane	ND	400 µg/L	46 Ethylbenzene	750	50 µg/L
3 Vinyl chloride	ND	100 µg/L	47 m,p-Xylene	3,000	50 µg/L
4 Chloroethane	ND	100 µg/L	48 Bromoform	ND	100 µg/L
5 Bromomethane	ND	400 µg/L	49 Xylenes, Total	4,100	50 µg/L
6 Trichlorofluoromethane	ND	100 µg/L	50 Styrene	ND	100 µg/L
7 Acetone	ND	2,000 µg/L	51 o-Xylene	1,200	50 µg/L
8 1,1-Dichloroethene	ND	100 µg/L	52 1,1,2,2-Tetrachloroethane	ND	100 µg/L
9 Tertiary Butyl Alcohol (TBA)	7,100	1,000 µg/L	53 1,2,3-Trichloropropane	ND	400 µg/L
10 Dichloromethane	ND	400 µg/L	54 Isopropylbenzene	ND	100 µg/L
11 Freon-113	ND	100 µg/L	55 Bromobenzene	ND	100 µg/L
12 Carbon disulfide	ND	500 µg/L	56 n-Propylbenzene	110	100 µg/L
13 trans-1,2-Dichloroethene	ND	100 µg/L	57 4-Chlorotoluene	ND	100 µg/L
14 Methyl tert-butyl ether (MTBE)	8,000	50 µg/L	58 2-Chlorotoluene	ND	100 µg/L
15 1,1-Dichloroethane	ND	100 µg/L	59 1,3,5-Trimethylbenzene	430	100 µg/L
16 Vinyl acetate	ND	10,000 µg/L	60 tert-Butylbenzene	ND	100 µg/L
17 2-Butanone (MEK)	ND	2,000 µg/L	61 1,2,4-Trimethylbenzene	1,200	100 µg/L
18 Di-isopropyl Ether (DIPE)	ND	100 µg/L	62 sec-Butylbenzene	ND	100 µg/L
19 cis-1,2-Dichloroethene	ND	100 µg/L	63 1,3-Dichlorobenzene	ND	100 µg/L
20 Bromochloromethane	ND	100 µg/L	64 1,4-Dichlorobenzene	ND	100 µg/L
21 Chloroform	ND	100 µg/L	65 4-Isopropyltoluene	ND	100 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	100 µg/L	66 1,2-Dichlorobenzene	ND	100 µg/L
23 2,2-Dichloropropane	ND	100 µg/L	67 n-Butylbenzene	ND	100 µg/L
24 1,2-Dichloroethane	ND	100 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	600 µg/L
25 1,1,1-Trichloroethane	ND	100 µg/L	69 1,2,4-Trichlorobenzene	ND	400 µg/L
26 1,1-Dichloropropene	ND	100 µg/L	70 Naphthalene	450	400 µg/L
27 Carbon tetrachloride	ND	100 µg/L	71 1,2,3-Trichlorobenzene	ND	400 µg/L
28 Benzene	7,600	50 µg/L	72 Surr: 1,2-Dichloroethane-d4	96	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	100 µg/L	73 Surr: Toluene-d8	102	(70-130) %REC
30 Dibromomethane	ND	100 µg/L	74 Surr: 4-Bromofluorobenzene	92	(70-130) %REC
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	2,300	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			

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.

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: CHH13101402-06A  
Client I.D. Number: GMW-O-12

Sampled: 10/11/13 10:51  
Received: 10/11/13  
Extracted: 10/18/13  
Analyzed: 10/18/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	130 µg/L	45 Chlorobenzene	ND	130 µg/L
2 Chloromethane	ND	500 µg/L	46 Ethylbenzene	ND	63 µg/L
3 Vinyl chloride	ND	130 µg/L	47 m,p-Xylene	ND	63 µg/L
4 Chloroethane	ND	130 µg/L	48 Bromoform	ND	130 µg/L
5 Bromomethane	ND	500 µg/L	49 Xylenes, Total	ND	63 µg/L
6 Trichlorofluoromethane	ND	130 µg/L	50 Styrene	ND	130 µg/L
7 Acetone	ND	2,500 µg/L	51 o-Xylene	ND	63 µg/L
8 1,1-Dichloroethene	ND	130 µg/L	52 1,1,2,2-Tetrachloroethane	ND	130 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	1,300 µg/L	53 1,2,3-Trichloropropane	ND	500 µg/L
10 Dichloromethane	ND	500 µg/L	54 Isopropylbenzene	ND	130 µg/L
11 Freon-113	ND	130 µg/L	55 Bromobenzene	ND	130 µg/L
12 Carbon disulfide	ND	630 µg/L	56 n-Propylbenzene	ND	130 µg/L
13 trans-1,2-Dichloroethene	ND	130 µg/L	57 4-Chlorotoluene	ND	130 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	63 µg/L	58 2-Chlorotoluene	ND	130 µg/L
15 1,1-Dichloroethane	ND	130 µg/L	59 1,3,5-Trimethylbenzene	ND	130 µg/L
16 Vinyl acetate	ND	13,000 µg/L	60 tert-Butylbenzene	ND	130 µg/L
17 2-Butanone (MEK)	ND	2,500 µg/L	61 1,2,4-Trimethylbenzene	ND	130 µg/L
18 Di-isopropyl Ether (DIPE)	ND	130 µg/L	62 sec-Butylbenzene	ND	130 µg/L
19 cis-1,2-Dichloroethene	ND	130 µg/L	63 1,3-Dichlorobenzene	ND	130 µg/L
20 Bromochloromethane	ND	130 µg/L	64 1,4-Dichlorobenzene	ND	130 µg/L
21 Chloroform	ND	130 µg/L	65 4-Isopropyltoluene	ND	130 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	130 µg/L	66 1,2-Dichlorobenzene	ND	130 µg/L
23 2,2-Dichloropropane	ND	130 µg/L	67 n-Butylbenzene	ND	130 µg/L
24 1,2-Dichloroethane	ND	130 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	750 µg/L
25 1,1,1-Trichloroethane	ND	130 µg/L	69 1,2,4-Trichlorobenzene	ND	500 µg/L
26 1,1-Dichloropropene	ND	130 µg/L	70 Naphthalene	ND	500 µg/L
27 Carbon tetrachloride	ND	130 µg/L	71 1,2,3-Trichlorobenzene	ND	500 µg/L
28 Benzene	13,000	63 µg/L	72 Surr: 1,2-Dichloroethane-d4	97	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	130 µg/L	73 Surr: Toluene-d8	103	(70-130) %REC
30 Dibromomethane	ND	130 µg/L	74 Surr: 4-Bromofluorobenzene	91	(70-130) %REC
31 1,2-Dichloropropane	ND	130 µg/L			
32 Trichloroethene	ND	130 µg/L			
33 Bromodichloromethane	ND	130 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	630 µg/L			
35 cis-1,3-Dichloropropene	ND	130 µg/L			
36 trans-1,3-Dichloropropene	ND	130 µg/L			
37 1,1,2-Trichloroethane	ND	130 µg/L			
38 Toluene	ND	63 µg/L			
39 1,3-Dichloropropane	ND	130 µg/L			
40 2-Hexanone	ND	1,300 µg/L			
41 Dibromochloromethane	ND	130 µg/L			
42 1,2-Dibromoethane (EDB)	ND	250 µg/L			
43 Tetrachloroethene	ND	130 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	130 µg/L			

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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*RJ*  
10/22/13

Report Date

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# 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: CHH13101402-07A  
Client I.D. Number: EB-7

Sampled: 10/11/13 11:00  
Received: 10/11/13  
Extracted: 10/18/13  
Analyzed: 10/18/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	99	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	107	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	105	(70-130) %REC
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			

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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*PS*  
10/22/13

Report Date

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# 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: CHH13101402-08A  
Client I.D. Number: DUP-4

Sampled: 10/11/13 00:00  
Received: 10/11/13  
Extracted: 10/21/13  
Analyzed: 10/21/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	200 µg/L	45 Chlorobenzene	ND	200 µg/L
2 Chloromethane	ND	800 µg/L	46 Ethylbenzene	1,300	100 µg/L
3 Vinyl chloride	ND	200 µg/L	47 m,p-Xylene	360	100 µg/L
4 Chloroethane	ND	200 µg/L	48 Bromoform	ND	200 µg/L
5 Bromomethane	ND	800 µg/L	49 Xylenes, Total	860	100 µg/L
6 Trichlorofluoromethane	ND	200 µg/L	50 Styrene	ND	200 µg/L
7 Acetone	ND	4,000 µg/L	51 o-Xylene	490	100 µg/L
8 1,1-Dichloroethene	ND	200 µg/L	52 1,1,2,2-Tetrachloroethane	ND	200 µg/L
9 Tertiary Butyl Alcohol (TBA)	180,000	2,000 µg/L	53 1,2,3-Trichloropropane	ND	800 µg/L
10 Dichloromethane	ND	800 µg/L	54 Isopropylbenzene	ND	200 µg/L
11 Freon-113	ND	200 µg/L	55 Bromobenzene	ND	200 µg/L
12 Carbon disulfide	ND	1,000 µg/L	56 n-Propylbenzene	ND	200 µg/L
13 trans-1,2-Dichloroethane	ND	200 µg/L	57 4-Chlorotoluene	ND	200 µg/L
14 Methyl tert-butyl ether (MTBE)	27,000	100 µg/L	58 2-Chlorotoluene	ND	200 µg/L
15 1,1-Dichloroethane	ND	200 µg/L	59 1,3,5-Trimethylbenzene	ND	200 µg/L
16 Vinyl acetate	ND	20,000 µg/L	60 tert-Butylbenzene	ND	200 µg/L
17 2-Butanone (MEK)	ND	4,000 µg/L	61 1,2,4-Trimethylbenzene	430	200 µg/L
18 Di-isopropyl Ether (DIPE)	ND	200 µg/L	62 sec-Butylbenzene	ND	200 µg/L
19 cis-1,2-Dichloroethene	ND	200 µg/L	63 1,3-Dichlorobenzene	ND	200 µg/L
20 Bromochloromethane	ND	200 µg/L	64 1,4-Dichlorobenzene	ND	200 µg/L
21 Chloroform	ND	200 µg/L	65 4-Isopropyltoluene	ND	200 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	200 µg/L	66 1,2-Dichlorobenzene	ND	200 µg/L
23 2,2-Dichloropropane	ND	200 µg/L	67 n-Butylbenzene	ND	200 µg/L
24 1,2-Dichloroethane	ND	200 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	1,200 µg/L
25 1,1,1-Trichloroethane	ND	200 µg/L	69 1,2,4-Trichlorobenzene	ND	800 µg/L
26 1,1-Dichloropropene	ND	200 µg/L	70 Naphthalene	ND	800 µg/L
27 Carbon tetrachloride	ND	200 µg/L	71 1,2,3-Trichlorobenzene	ND	800 µg/L
28 Benzene	12,000	100 µg/L	72 Surr: 1,2-Dichloroethane-d4	103	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	200 µg/L	73 Surr: Toluene-d8	97	(70-130) %REC
30 Dibromomethane	ND	200 µg/L	74 Surr: 4-Bromofluorobenzene	96	(70-130) %REC
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	150	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			

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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*[Signature]*  
10/22/13

Report Date

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# 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: CHH13101402-09A  
Client I.D. Number: DUP-5

Sampled: 10/11/13 00:00  
Received: 10/11/13  
Extracted: 10/18/13  
Analyzed: 10/18/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	58 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	104	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	99	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	96	(70-130) %REC
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			

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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*10/22/13*

10/22/13  
Report Date

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# 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: CHH13101402-10A  
Client I.D. Number: MW-SF-9

Sampled: 10/11/13 08:46  
Received: 10/11/13  
Extracted: 10/18/13  
Analyzed: 10/18/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	20 µg/L	45 Chlorobenzene	ND	20 µg/L
2 Chloromethane	ND	80 µg/L	46 Ethylbenzene	55	10 µg/L
3 Vinyl chloride	ND	20 µg/L	47 m,p-Xylene	210	10 µg/L
4 Chloroethane	ND	20 µg/L	48 Bromoform	ND	20 µg/L
5 Bromomethane	ND	80 µg/L	49 Xylenes, Total	310	10 µg/L
6 Trichlorofluoromethane	ND	20 µg/L	50 Styrene	ND	20 µg/L
7 Acetone	ND	400 µg/L	51 o-Xylene	95	10 µg/L
8 1,1-Dichloroethene	ND	20 µg/L	52 1,1,2,2-Tetrachloroethane	ND	20 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	200 µg/L	53 1,2,3-Trichloropropane	ND	80 µg/L
10 Dichloromethane	ND	80 µg/L	54 Isopropylbenzene	ND	20 µg/L
11 Freon-113	ND	20 µg/L	55 Bromobenzene	ND	20 µg/L
12 Carbon disulfide	ND	100 µg/L	56 n-Propylbenzene	ND	20 µg/L
13 trans-1,2-Dichloroethene	ND	20 µg/L	57 4-Chlorotoluene	ND	20 µg/L
14 Methyl tert-butyl ether (MTBE)	17	10 µg/L	58 2-Chlorotoluene	ND	20 µg/L
15 1,1-Dichloroethane	ND	20 µg/L	59 1,3,5-Trimethylbenzene	ND	20 µg/L
16 Vinyl acetate	ND	2,000 µg/L	60 tert-Butylbenzene	ND	20 µg/L
17 2-Butanone (MEK)	ND	400 µg/L	61 1,2,4-Trimethylbenzene	38	20 µg/L
18 Di-isopropyl Ether (DIPE)	ND	20 µg/L	62 sec-Butylbenzene	ND	20 µg/L
19 cis-1,2-Dichloroethene	ND	20 µg/L	63 1,3-Dichlorobenzene	ND	20 µg/L
20 Bromochloromethane	ND	20 µg/L	64 1,4-Dichlorobenzene	ND	20 µg/L
21 Chloroform	ND	20 µg/L	65 4-Isopropyltoluene	ND	20 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	20 µg/L	66 1,2-Dichlorobenzene	ND	20 µg/L
23 2,2-Dichloropropane	ND	20 µg/L	67 n-Butylbenzene	ND	20 µg/L
24 1,2-Dichloroethane	ND	20 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	120 µg/L
25 1,1,1-Trichloroethane	ND	20 µg/L	69 1,2,4-Trichlorobenzene	ND	80 µg/L
26 1,1-Dichloropropene	ND	20 µg/L	70 Naphthalene	ND	80 µg/L
27 Carbon tetrachloride	ND	20 µg/L	71 1,2,3-Trichlorobenzene	ND	80 µg/L
28 Benzene	910	10 µg/L	72 Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	20 µg/L	73 Surr: Toluene-d8	100	(70-130) %REC
30 Dibromomethane	ND	20 µg/L	74 Surr: 4-Bromofluorobenzene	96	(70-130) %REC
31 1,2-Dichloropropane	ND	20 µg/L			
32 Trichloroethene	ND	20 µg/L			
33 Bromodichloromethane	ND	20 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	100 µg/L			
35 cis-1,3-Dichloropropene	ND	20 µg/L			
36 trans-1,3-Dichloropropene	ND	20 µg/L			
37 1,1,2-Trichloroethane	ND	20 µg/L			
38 Toluene	220	10 µg/L			
39 1,3-Dichloropropane	ND	20 µg/L			
40 2-Hexanone	ND	200 µg/L			
41 Dibromochloromethane	ND	20 µg/L			
42 1,2-Dibromoethane (EDB)	ND	40 µg/L			
43 Tetrachloroethene	ND	20 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	20 µg/L			

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.

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: CHH13101402-11A  
Client I.D. Number: PZ-5

Sampled: 10/11/13 09:42  
Received: 10/11/13  
Extracted: 10/21/13  
Analyzed: 10/21/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	200 µg/L	45 Chlorobenzene	ND	200 µg/L
2 Chloromethane	ND	800 µg/L	46 Ethylbenzene	590	100 µg/L
3 Vinyl chloride	ND	200 µg/L	47 m,p-Xylene	ND	100 µg/L
4 Chloroethane	ND	200 µg/L	48 Bromoform	ND	200 µg/L
5 Bromomethane	ND	800 µg/L	49 Xylenes, Total	250	100 µg/L
6 Trichlorofluoromethane	ND	200 µg/L	50 Styrene	ND	200 µg/L
7 Acetone	ND	4,000 µg/L	51 o-Xylene	250	100 µg/L
8 1,1-Dichloroethane	ND	200 µg/L	52 1,1,2,2-Tetrachloroethane	ND	200 µg/L
9 Tertiary Butyl Alcohol (TBA)	210,000	2,000 µg/L	53 1,2,3-Trichloropropane	ND	800 µg/L
10 Dichloromethane	ND	800 µg/L	54 Isopropylbenzene	ND	200 µg/L
11 Freon-113	ND	200 µg/L	55 Bromobenzene	ND	200 µg/L
12 Carbon disulfide	ND	1,000 µg/L	56 n-Propylbenzene	ND	200 µg/L
13 trans-1,2-Dichloroethene	ND	200 µg/L	57 4-Chlorotoluene	ND	200 µg/L
14 Methyl tert-butyl ether (MTBE)	32,000	100 µg/L	58 2-Chlorotoluene	ND	200 µg/L
15 1,1-Dichloroethane	ND	200 µg/L	59 1,3,5-Trimethylbenzene	ND	200 µg/L
16 Vinyl acetate	ND	20,000 µg/L	60 tert-Butylbenzene	ND	200 µg/L
17 2-Butanone (MEK)	ND	4,000 µg/L	61 1,2,4-Trimethylbenzene	ND	200 µg/L
18 Di-isopropyl Ether (DIPE)	ND	200 µg/L	62 sec-Butylbenzene	ND	200 µg/L
19 cis-1,2-Dichloroethene	ND	200 µg/L	63 1,3-Dichlorobenzene	ND	200 µg/L
20 Bromochloromethane	ND	200 µg/L	64 1,4-Dichlorobenzene	ND	200 µg/L
21 Chloroform	ND	200 µg/L	65 4-Isopropyltoluene	ND	200 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	200 µg/L	66 1,2-Dichlorobenzene	ND	200 µg/L
23 2,2-Dichloropropane	ND	200 µg/L	67 n-Butylbenzene	ND	200 µg/L
24 1,2-Dichloroethane	ND	200 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	1,200 µg/L
25 1,1,1-Trichloroethane	ND	200 µg/L	69 1,2,4-Trichlorobenzene	ND	800 µg/L
26 1,1-Dichloropropene	ND	200 µg/L	70 Naphthalene	ND	800 µg/L
27 Carbon tetrachloride	ND	200 µg/L	71 1,2,3-Trichlorobenzene	ND	800 µg/L
28 Benzene	11,000	100 µg/L	72 Surr: 1,2-Dichloroethane-d4	103	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	200 µg/L	73 Surr: Toluene-d8	97	(70-130) %REC
30 Dibromomethane	ND	200 µg/L	74 Surr: 4-Bromofluorobenzene	95	(70-130) %REC
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	ND	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			

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected



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# 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: CHH13101402-12A  
Client I.D. Number: GMW-O-10

Sampled: 10/11/13 10:37  
Received: 10/11/13  
Extracted: 10/21/13  
Analyzed: 10/21/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	48 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	1.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	101	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	96	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	97	(70-130) %REC
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			

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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*[Signature]*

10/22/13  
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: CHH13101402-13A  
Client I.D. Number: GMW-O-14

Sampled: 10/11/13 11:45  
Received: 10/11/13  
Extracted: 10/18/13  
Analyzed: 10/18/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	130 µg/L	45 Chlorobenzene	ND	130 µg/L
2 Chloromethane	ND	500 µg/L	46 Ethylbenzene	2,200	63 µg/L
3 Vinyl chloride	ND	130 µg/L	47 m,p-Xylene	2,800	63 µg/L
4 Chloroethane	ND	130 µg/L	48 Bromoform	ND	130 µg/L
5 Bromomethane	ND	500 µg/L	49 Xylenes, Total	3,000	63 µg/L
6 Trichlorofluoromethane	ND	130 µg/L	50 Styrene	ND	130 µg/L
7 Acetone	ND	2,500 µg/L	51 o-Xylene	200	63 µg/L
8 1,1-Dichloroethane	ND	130 µg/L	52 1,1,2,2-Tetrachloroethane	ND	130 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	1,300 µg/L	53 1,2,3-Trichloropropane	ND	500 µg/L
10 Dichloromethane	ND	500 µg/L	54 Isopropylbenzene	ND	130 µg/L
11 Freon-113	ND	130 µg/L	55 Bromobenzene	ND	130 µg/L
12 Carbon disulfide	ND	630 µg/L	56 n-Propylbenzene	140	130 µg/L
13 trans-1,2-Dichloroethane	ND	130 µg/L	57 4-Chlorotoluene	ND	130 µg/L
14 Methyl tert-butyl ether (MTBE)	64	63 µg/L	58 2-Chlorotoluene	ND	130 µg/L
15 1,1-Dichloroethane	ND	130 µg/L	59 1,3,5-Trimethylbenzene	ND	130 µg/L
16 Vinyl acetate	ND	13,000 µg/L	60 tert-Butylbenzene	ND	130 µg/L
17 2-Butanone (MEK)	ND	2,500 µg/L	61 1,2,4-Trimethylbenzene	1,300	130 µg/L
18 Di-isopropyl Ether (DIPE)	260	130 µg/L	62 sec-Butylbenzene	ND	130 µg/L
19 cis-1,2-Dichloroethane	ND	130 µg/L	63 1,3-Dichlorobenzene	ND	130 µg/L
20 Bromochloromethane	ND	130 µg/L	64 1,4-Dichlorobenzene	ND	130 µg/L
21 Chloroform	ND	130 µg/L	65 4-Isopropyltoluene	ND	130 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	130 µg/L	66 1,2-Dichlorobenzene	ND	130 µg/L
23 2,2-Dichloropropane	ND	130 µg/L	67 n-Butylbenzene	ND	130 µg/L
24 1,2-Dichloroethane	ND	130 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	750 µg/L
25 1,1,1-Trichloroethane	ND	130 µg/L	69 1,2,4-Trichlorobenzene	ND	500 µg/L
26 1,1-Dichloropropene	ND	130 µg/L	70 Naphthalene	ND	500 µg/L
27 Carbon tetrachloride	ND	130 µg/L	71 1,2,3-Trichlorobenzene	ND	500 µg/L
28 Benzene	14,000	63 µg/L	72 Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	130 µg/L	73 Surr: Toluene-d8	104	(70-130) %REC
30 Dibromomethane	ND	130 µg/L	74 Surr: 4-Bromofluorobenzene	95	(70-130) %REC
31 1,2-Dichloropropane	ND	130 µg/L			
32 Trichloroethene	ND	130 µg/L			
33 Bromodichloromethane	ND	130 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	630 µg/L			
35 cis-1,3-Dichloropropene	ND	130 µg/L			
36 trans-1,3-Dichloropropene	ND	130 µg/L			
37 1,1,2-Trichloroethane	ND	130 µg/L			
38 Toluene	760	63 µg/L			
39 1,3-Dichloropropane	ND	130 µg/L			
40 2-Hexanone	ND	1,300 µg/L			
41 Dibromochloromethane	ND	130 µg/L			
42 1,2-Dibromoethane (EDB)	ND	250 µg/L			
43 Tetrachloroethene	ND	130 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	130 µg/L			

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.

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: CHH13101402-14A  
Client I.D. Number: MW-O-2

Sampled: 10/11/13 12:10  
Received: 10/11/13  
Extracted: 10/18/13  
Analyzed: 10/18/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	130 µg/L	45 Chlorobenzene	ND	130 µg/L
2 Chloromethane	ND	500 µg/L	46 Ethylbenzene	530	63 µg/L
3 Vinyl chloride	ND	130 µg/L	47 m,p-Xylene	1,300	63 µg/L
4 Chloroethane	ND	130 µg/L	48 Bromoform	ND	130 µg/L
5 Bromomethane	ND	500 µg/L	49 Xylenes, Total	1,500	63 µg/L
6 Trichlorofluoromethane	ND	130 µg/L	50 Styrene	ND	130 µg/L
7 Acetone	ND	2,500 µg/L	51 o-Xylene	250	63 µg/L
8 1,1-Dichloroethene	ND	130 µg/L	52 1,1,2,2-Tetrachloroethane	ND	130 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	1,300 µg/L	53 1,2,3-Trichloropropane	ND	500 µg/L
10 Dichloromethane	ND	500 µg/L	54 Isopropylbenzene	ND	130 µg/L
11 Freon-113	ND	130 µg/L	55 Bromobenzene	ND	130 µg/L
12 Carbon disulfide	ND	630 µg/L	56 n-Propylbenzene	ND	130 µg/L
13 trans-1,2-Dichloroethene	ND	130 µg/L	57 4-Chlorotoluene	ND	130 µg/L
14 Methyl tert-butyl ether (MTBE)	710	63 µg/L	58 2-Chlorotoluene	ND	130 µg/L
15 1,1-Dichloroethane	ND	130 µg/L	59 1,3,5-Trimethylbenzene	ND	130 µg/L
16 Vinyl acetate	ND	13,000 µg/L	60 tert-Butylbenzene	ND	130 µg/L
17 2-Butanone (MEK)	ND	2,500 µg/L	61 1,2,4-Trimethylbenzene	300	130 µg/L
18 Di-isopropyl Ether (DIPE)	ND	130 µg/L	62 sec-Butylbenzene	ND	130 µg/L
19 cis-1,2-Dichloroethene	ND	130 µg/L	63 1,3-Dichlorobenzene	ND	130 µg/L
20 Bromochloromethane	ND	130 µg/L	64 1,4-Dichlorobenzene	ND	130 µg/L
21 Chloroform	ND	130 µg/L	65 4-Isopropyltoluene	ND	130 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	130 µg/L	66 1,2-Dichlorobenzene	ND	130 µg/L
23 2,2-Dichloropropane	ND	130 µg/L	67 n-Butylbenzene	ND	130 µg/L
24 1,2-Dichloroethane	ND	130 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	750 µg/L
25 1,1,1-Trichloroethane	ND	130 µg/L	69 1,2,4-Trichlorobenzene	ND	500 µg/L
26 1,1-Dichloropropene	ND	130 µg/L	70 Naphthalene	ND	500 µg/L
27 Carbon tetrachloride	ND	130 µg/L	71 1,2,3-Trichlorobenzene	ND	500 µg/L
28 Benzene	17,000	63 µg/L	72 Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	130 µg/L	73 Surr: Toluene-d8	103	(70-130) %REC
30 Dibromomethane	ND	130 µg/L	74 Surr: 4-Bromofluorobenzene	95	(70-130) %REC
31 1,2-Dichloropropane	ND	130 µg/L			
32 Trichloroethene	ND	130 µg/L			
33 Bromodichloromethane	ND	130 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	630 µg/L			
35 cis-1,3-Dichloropropene	ND	130 µg/L			
36 trans-1,3-Dichloropropene	ND	130 µg/L			
37 1,1,2-Trichloroethane	ND	130 µg/L			
38 Toluene	710	63 µg/L			
39 1,3-Dichloropropane	ND	130 µg/L			
40 2-Hexanone	ND	1,300 µg/L			
41 Dibromochloromethane	ND	130 µg/L			
42 1,2-Dibromoethane (EDB)	ND	250 µg/L			
43 Tetrachloroethene	ND	130 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	130 µg/L			

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected



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Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
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## ANALYTICAL REPORT

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Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH13101402-15A  
Client I.D. Number: EB-9

Sampled: 10/11/13 12:20  
Received: 10/11/13  
Extracted: 10/18/13  
Analyzed: 10/18/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	107	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	103	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	98	(70-130) %REC
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			

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



*PS*  
10/22/13

Report Date

Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Statement of Data Authenticity: Alpha Analytical, Inc. attests that the data reported has not been altered in any way.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.



# 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: CHH13101402-16A  
Client I.D. Number: TB-4

Sampled: 10/11/13 07:20  
Received: 10/11/13  
Extracted: 10/18/13  
Analyzed: 10/18/13

### Volatile Organics by GC/MS EPA Method SW8260B

Reporting			Reporting		
Compound	Concentration	Limit	Compound	Concentration	Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-Isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	106	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	98	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	97	(70-130) %REC
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			

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

Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Statement of Data Authenticity: Alpha Analytical, Inc. attests that the data reported has not been altered in any way.

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*PS*  
10/22/13

Report Date

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# 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: CHH13101402-17A  
Client I.D. Number: GWR-1

Sampled: 10/11/13 11:55  
Received: 10/11/13  
Extracted: 10/18/13  
Analyzed: 10/18/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	2.0 µg/L	45 Chlorobenzene	ND	2.0 µg/L
2 Chloromethane	ND	8.0 µg/L	46 Ethylbenzene	ND	1.0 µg/L
3 Vinyl chloride	ND	2.0 µg/L	47 m,p-Xylene	ND	1.0 µg/L
4 Chloroethane	ND	2.0 µg/L	48 Bromoform	ND	2.0 µg/L
5 Bromomethane	ND	8.0 µg/L	49 Xylenes, Total	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	2.0 µg/L
7 Acetone	ND	40 µg/L	51 o-Xylene	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	2.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	120	2.0 µg/L	53 1,2,3-Trichloropropane	ND	8.0 µg/L
10 Dichloromethane	ND	8.0 µg/L	54 Isopropylbenzene	ND	2.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	2.0 µg/L
12 Carbon disulfide	ND	10 µg/L	56 n-Propylbenzene	ND	2.0 µg/L
13 trans-1,2-Dichloroethene	ND	2.0 µg/L	57 4-Chlorotoluene	ND	2.0 µg/L
14 Methyl tert-butyl ether (MTBE)	6.7	1.0 µg/L	58 2-Chlorotoluene	ND	2.0 µg/L
15 1,1-Dichloroethane	ND	2.0 µg/L	59 1,3,5-Trimethylbenzene	ND	2.0 µg/L
16 Vinyl acetate	ND	200 µg/L	60 tert-Butylbenzene	ND	2.0 µg/L
17 2-Butanone (MEK)	ND	40 µg/L	61 1,2,4-Trimethylbenzene	ND	2.0 µg/L
18 Di-isopropyl Ether (DIPE)	12	2.0 µg/L	62 sec-Butylbenzene	ND	2.0 µg/L
19 cis-1,2-Dichloroethene	ND	2.0 µg/L	63 1,3-Dichlorobenzene	ND	2.0 µg/L
20 Bromochloromethane	ND	2.0 µg/L	64 1,4-Dichlorobenzene	ND	2.0 µg/L
21 Chloroform	ND	2.0 µg/L	65 4-Isopropyltoluene	ND	2.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	2.0 µg/L	66 1,2-Dichlorobenzene	ND	2.0 µg/L
23 2,2-Dichloropropane	ND	2.0 µg/L	67 n-Butylbenzene	ND	2.0 µg/L
24 1,2-Dichloroethane	ND	2.0 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	12 µg/L
25 1,1,1-Trichloroethane	ND	2.0 µg/L	69 1,2,4-Trichlorobenzene	ND	8.0 µg/L
26 1,1-Dichloropropane	ND	2.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	2.0 µg/L	71 1,2,3-Trichlorobenzene	ND	8.0 µg/L
28 Benzene	ND	1.0 µg/L	72 Surr: 1,2-Dichloroethane-d4	91	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	2.0 µg/L	73 Surr: Toluene-d8	99	(70-130) %REC
30 Dibromomethane	ND	2.0 µg/L	74 Surr: 4-Bromofluorobenzene	96	(70-130) %REC
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			

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



*PS*  
10/22/13

Report Date

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# 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: CHH13101402-18A  
Client I.D. Number: PZ-2

Sampled: 10/11/13 10:55  
Received: 10/11/13  
Extracted: 10/18/13  
Analyzed: 10/18/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	4.0 µg/L	46 Ethylbenzene	1.3	0.50 µg/L
3 Vinyl chloride	ND	1.0 µg/L	47 m,p-Xylene	1.1	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	4.0 µg/L	49 Xylenes, Total	2.0	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	20 µg/L	51 o-Xylene	0.87	0.50 µg/L
8 1,1-Dichloroethane	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	23	10 µg/L	53 1,2,3-Trichloropropane	ND	4.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	2.0	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	5.0 µg/L	56 n-Propylbenzene	4.2	1.0 µg/L
13 trans-1,2-Dichloroethane	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	100 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	20 µg/L	61 1,2,4-Trimethylbenzene	1.5	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethane	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	1.0 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	6.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	4.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	4.0 µg/L
28 Benzene	9.0	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	103	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	98	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	94	(70-130) %REC
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethane	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 Tetrachloroethane	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

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

Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.  
Statement of Data Authenticity: Alpha Analytical, Inc. attests that the data reported has not been altered in any way.



*RS*  
10/22/13

Report Date

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# 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: CHH13101402-19A  
Client I.D. Number: EB-8

Sampled: 10/11/13 12:05  
Received: 10/11/13  
Extracted: 10/18/13  
Analyzed: 10/18/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	105	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	100	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	98	(70-130) %REC
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			

ND = Not Detected



*Roger Scholl*      *Randy Gardner*      *Walter Hinckman*  
Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinckman, 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 in any way.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.



*PS*  
10/22/13

Report Date

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# 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: CHH13101402

Job: DFSP Norwalk

Alpha's Sample ID	Client's Sample ID	Matrix	pH
13101402-01A	MW-15	Aqueous	2
13101402-02A	GMW-4	Aqueous	2
13101402-03A	GMW-10	Aqueous	2
13101402-04A	GMW-36	Aqueous	2
13101402-05A	GMW-O-15	Aqueous	2
13101402-06A	GMW-O-12	Aqueous	2
13101402-07A	EB-7	Aqueous	2
13101402-08A	DUP-4	Aqueous	2
13101402-09A	DUP-5	Aqueous	2
13101402-10A	MW-SF-9	Aqueous	2
13101402-11A	PZ-5	Aqueous	2
13101402-12A	GMW-O-10	Aqueous	2
13101402-13A	GMW-O-14	Aqueous	2
13101402-14A	MW-O-2	Aqueous	2
13101402-15A	EB-9	Aqueous	2
13101402-16A	TB-4	Aqueous	2
13101402-17A	GWR-1	Aqueous	2
13101402-18A	PZ-2	Aqueous	2
13101402-19A	EB-8	Aqueous	2

10/22/13

Report Date

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# Alpha Analytical, Inc.

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Date:  
22-Oct-13

## QC Summary Report

Work Order:  
13101402

### Method Blank

Type: **MBLK** Test Code: **EPA Method SW8015B/C Ext**

File ID: **7A10141305.D**

Batch ID: **31807**

Analysis Date: **10/14/2013 14:05**

Sample ID: **MBLK-31807**

Units : **mg/L**

Run ID: **FID\_7\_131014A**

Prep Date: **10/14/2013 11:59**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	ND	0.05								
Surr: Nonane	0.162		0.15		108	53	145			

### Laboratory Control Spike

Type: **LCS** Test Code: **EPA Method SW8015B/C Ext**

File ID: **7A10141306.D**

Batch ID: **31807**

Analysis Date: **10/14/2013 14:31**

Sample ID: **LCS-31807**

Units : **mg/L**

Run ID: **FID\_7\_131014A**

Prep Date: **10/14/2013 11:59**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.33	0.05	2.5		93	70	130			
Surr: Nonane	0.182		0.15		121	53	145			

### Sample Matrix Spike

Type: **MS** Test Code: **EPA Method SW8015B/C Ext**

File ID: **7A10141326.D**

Batch ID: **31807**

Analysis Date: **10/14/2013 23:22**

Sample ID: **13101402-17AMS**

Units : **mg/L**

Run ID: **FID\_7\_131014A**

Prep Date: **10/14/2013 11:59**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.31	0.05	2.5	0.215	84	51	151			
Surr: Nonane	0.15		0.15		100	53	145			

### Sample Matrix Spike Duplicate

Type: **MSD** Test Code: **EPA Method SW8015B/C Ext**

File ID: **7A10141327.D**

Batch ID: **31807**

Analysis Date: **10/14/2013 23:49**

Sample ID: **13101402-17AMSD**

Units : **mg/L**

Run ID: **FID\_7\_131014A**

Prep Date: **10/14/2013 11:59**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.41	0.05	2.5	0.215	88	51	151	2.313	4.3(40)	
Surr: Nonane	0.181		0.15		121	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.



# Alpha Analytical, Inc.

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## QC Summary Report

Date:  
22-Oct-13

Work Order:  
13101402

### Method Blank

Method Blank		Type	Test Code: EPA Method SW8015B/C / SW8260B							
File ID: C:\HPCHEM\MS10\DATA\131018\13101806.D		MBLK	Batch ID: MS10W1018B				Analysis Date: 10/18/2013 12:50			
Sample ID: MBLK MS10W1018B	Units: mg/L		Run ID: MSD_10_131018A				Prep Date: 10/18/2013 12:50			
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	0.05								
Surr: 1,2-Dichloroethane-d4	0.0105		0.01		105	70	130			
Surr: Toluene-d8	0.0103		0.01		103	70	130			
Surr: 4-Bromofluorobenzene	0.0099		0.01		99	70	130			

### Laboratory Control Spike

Laboratory Control Spike		Type	Test Code: EPA Method SW8015B/C / SW8260B							
File ID: C:\HPCHEM\MS10\DATA\131018\13101803.D		LCS	Batch ID: MS10W1018B				Analysis Date: 10/18/2013 11:35			
Sample ID: GLCS MS10W1018B	Units: mg/L		Run ID: MSD_10_131018A				Prep Date: 10/18/2013 11:35			
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	0.405	0.05	0.4		101	70	130			
Surr: 1,2-Dichloroethane-d4	0.0106		0.01		106	70	130			
Surr: Toluene-d8	0.00946		0.01		95	70	130			
Surr: 4-Bromofluorobenzene	0.00964		0.01		96	70	130			

### Sample Matrix Spike

Sample Matrix Spike		Type	Test Code: EPA Method SW8015B/C / SW8260B							
File ID: C:\HPCHEM\MS10\DATA\131018\13101818.D		MS	Batch ID: MS10W1018B				Analysis Date: 10/18/2013 18:30			
Sample ID: 13101402-09AGS	Units: mg/L		Run ID: MSD_10_131018A				Prep Date: 10/18/2013 18:30			
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2.1	0.25	2	0.07479	101	54	143			
Surr: 1,2-Dichloroethane-d4	0.046		0.05		92	70	130			
Surr: Toluene-d8	0.0491		0.05		98	70	130			
Surr: 4-Bromofluorobenzene	0.048		0.05		96	70	130			

### Sample Matrix Spike Duplicate

Sample Matrix Spike Duplicate		Type	Test Code: EPA Method SW8015B/C / SW8260B							
File ID: C:\HPCHEM\MS10\DATA\131018\13101819.D		MSD	Batch ID: MS10W1018B				Analysis Date: 10/18/2013 18:52			
Sample ID: 13101402-09AGSD	Units: mg/L		Run ID: MSD_10_131018A				Prep Date: 10/18/2013 18:52			
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.99	0.25	2	0.07479	96	54	143	2.104	5.3(23)	
Surr: 1,2-Dichloroethane-d4	0.048		0.05		96	70	130			
Surr: Toluene-d8	0.0499		0.05		99.8	70	130			
Surr: 4-Bromofluorobenzene	0.0473		0.05		95	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.





# Alpha Analytical, Inc.

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Date:  
22-Oct-13

## QC Summary Report

Work Order:  
13101402

n-Butylbenzene	ND	1				
1,2-Dibromo-3-chloropropane (DBCP)	ND	5				
1,2,4-Trichlorobenzene	ND	2				
Naphthalene	ND	10				
1,2,3-Trichlorobenzene	ND	2				
Xylenes, Total	ND	0.5				
Surr: 1,2-Dichloroethane-d4	10.5		10	105	70	130
Surr: Toluene-d8	10.3		10	103	70	130
Surr: 4-Bromofluorobenzene	9.9		10	99	70	130



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Date:  
22-Oct-13

## QC Summary Report

Work Order:  
13101402

### Laboratory Control Spike

Type LCS Test Code: EPA Method SW8260B

File ID: C:\HPCHEM\MS10\DATA\131018\13101805.D

Batch ID: MS10W1018A

Analysis Date: 10/18/2013 12:18

Sample ID: LCS MS10W1018A

Units: µg/L

Run ID: MSD\_10\_131018A

Prep Date: 10/18/2013 12:18

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	13.2	1	10		132	32	145			
Chloromethane	7.08	2	10		71	40	145			
Vinyl chloride	11.9	1	10		119	80	120			
Chloroethane	12.8	1	10		128	38	156			
Bromomethane	3.97	2	10		40	14	162			
Trichlorofluoromethane	11.6	1	10		116	46	154			
Acetone	203	10	200		102	22	188			
1,1-Dichloroethene	9.57	1	10		96	80	120			
Tertiary Butyl Alcohol (TBA)	83.9	10	100		84	48	148			
Dichloromethane	8.74	2	10		87	69	130			
Freon-113	10.1	1	10		101	70	138			
trans-1,2-Dichloroethene	9.36	1	10		94	70	130			
Methyl tert-butyl ether (MTBE)	9.59	0.5	10		96	63	137			
1,1-Dichloroethane	9.07	1	10		91	70	130			
2-Butanone (MEK)	207	10	200		103	26	183			
Di-isopropyl Ether (DIPE)	9.43	1	10		94	69	133			
cis-1,2-Dichloroethene	9.03	1	10		90	70	130			
Bromochloromethane	9.01	1	10		90	70	133			
Chloroform	8.72	1	10		87	80	120			
Ethyl Tertiary Butyl Ether (ETBE)	10.1	1	10		101	66	135			
2,2-Dichloropropane	9.78	1	10		98	70	149			
1,2-Dichloroethane	9.35	1	10		94	70	133			
1,1,1-Trichloroethane	8.9	1	10		89	70	135			
1,1-Dichloropropene	9.8	1	10		98	70	130			
Carbon tetrachloride	9.21	1	10		92	63	143			
Benzene	8.85	0.5	10		89	70	130			
Tertiary Amyl Methyl Ether (TAME)	10.2	1	10		102	70	133			
Dibromomethane	9.41	1	10		94	70	130			
1,2-Dichloropropane	8.99	1	10		90	80	120			
Trichloroethene	8.63	1	10		86	68	138			
Bromodichloromethane	9.07	1	10		91	58	147			
4-Methyl-2-pentanone (MIBK)	25.5	2.5	25		102	59	140			
cis-1,3-Dichloropropene	9.28	1	10		93	70	130			
trans-1,3-Dichloropropene	9.36	1	10		94	70	131			
1,1,2-Trichloroethane	9.02	1	10		90	70	130			
Toluene	9.14	0.5	10		91	80	120			
1,3-Dichloropropane	9.26	1	10		93	70	130			
2-Hexanone	106	5	100		106	48	157			
Dibromochloromethane	9.36	1	10		94	49	147			
1,2-Dibromoethane (EDB)	18.6	2	20		93	70	131			
Tetrachloroethene	8.88	1	10		89	70	130			
Chlorobenzene	9.48	1	10		95	70	130			
Ethylbenzene	9.4	0.5	10		94	80	120			
m,p-Xylene	9.41	0.5	10		94	65	139			
Bromoform	8.62	1	10		86	60	144			
Styrene	10.1	1	10		101	55	144			
o-Xylene	9.63	0.5	10		96	70	130			
1,1,2,2-Tetrachloroethane	11	1	10		110	70	130			
1,2,3-Trichloropropane	20	2	20		100	70	130			
Isopropylbenzene	9.73	1	10		97	69	136			
Bromobenzene	9.21	1	10		92	70	130			
n-Propylbenzene	9.73	1	10		97	70	132			
4-Chlorotoluene	9.6	1	10		96	70	132			
2-Chlorotoluene	9.68	1	10		97	70	130			
1,3,5-Trimethylbenzene	10.2	1	10		102	70	134			
tert-Butylbenzene	9.8	1	10		98	63	139			
1,2,4-Trimethylbenzene	9.86	1	10		99	70	133			
sec-Butylbenzene	9.8	1	10		98	70	132			
1,3-Dichlorobenzene	9.3	1	10		93	70	130			
1,4-Dichlorobenzene	9.25	1	10		93	70	130			
4-Isopropyltoluene	9.92	1	10		99	40	161			
1,2-Dichlorobenzene	9.14	1	10		91	70	130			
n-Butylbenzene	10.3	1	10		103	69	134			
1,2-Dibromo-3-chloropropane (DBCP)	46.7	3	50		93	67	130			
1,2,4-Trichlorobenzene	8.99	2	10		90	62	131			



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Date:  
22-Oct-13

## QC Summary Report

Work Order:  
13101402

Naphthalene	9.61	2	10	96	39	149
1,2,3-Trichlorobenzene	8.89	2	10	89	54	135
Xylenes, Total	19	0.5	20	95	70	130
Surr: 1,2-Dichloroethane-d4	11.5		10	115	70	130
Surr: Toluene-d8	9.77		10	98	70	130
Surr: 4-Bromofluorobenzene	9.34		10	93	70	130



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Date:  
22-Oct-13

## QC Summary Report

Work Order:  
13101402

### Sample Matrix Spike

Type MS Test Code: EPA Method SW8260B

File ID: C:\HPCHEM\MS10\DATA\131018\13101816.D

Batch ID: MS10W1018A

Analysis Date: 10/18/2013 17:48

Sample ID: 13101402-09AMS

Units: µg/L

Run ID: MSD\_10\_131018A

Prep Date: 10/18/2013 17:48

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	118	2.5	50	0	235	12	150			M1
Chloromethane	69.6	10	50	0	139	26	146			
Vinyl chloride	76.7	2.5	50	0	153	46	142			M1
Chloroethane	71.8	2.5	50	0	144	25	164			
Bromomethane	25.4	10	50	0	51	10	172			
Trichlorofluoromethane	50.6	2.5	50	0	101	32	164			
Acetone	916	50	1000	0	92	10	188			
1,1-Dichloroethene	54.2	2.5	50	0	108	62	133			
Tertiary Butyl Alcohol (TBA)	483	25	500	0	97	44	155			
Dichloromethane	52.1	10	50	0	104	69	130			
Freon-113	55.9	2.5	50	0	112	56	144			
trans-1,2-Dichloroethene	52.2	2.5	50	0	104	67	131			
Methyl tert-butyl ether (MTBE)	51.5	1.3	50	0	103	56	140			
1,1-Dichloroethane	50.2	2.5	50	0	100	67	130			
2-Butanone (MEK)	1060	50	1000	0	106	26	183			
Di-isopropyl Ether (DIPE)	51.8	2.5	50	0	104	59	138			
cis-1,2-Dichloroethene	51.2	2.5	50	0	102	70	130			
Bromochloromethane	52.3	2.5	50	0	105	70	134			
Chloroform	47.8	2.5	50	0	96	69	130			
Ethyl Tertiary Butyl Ether (ETBE)	55.4	2.5	50	0	111	62	135			
2,2-Dichloropropane	47.9	2.5	50	0	96	44	149			
1,2-Dichloroethane	47.6	2.5	50	0	95	64	139			
1,1,1-Trichloroethane	50.3	2.5	50	0	101	65	139			
1,1-Dichloropropene	52.2	2.5	50	0	104	68	134			
Carbon tetrachloride	50.1	2.5	50	0	100	56	146			
Benzene	51.4	1.3	50	0	103	67	134			
Tertiary Amyl Methyl Ether (TAME)	58.7	2.5	50	0	117	64	135			
Dibromomethane	52.1	2.5	50	0	104	70	132			
1,2-Dichloropropane	49.2	2.5	50	0	98	69	134			
Trichloroethene	49.3	2.5	50	0	99	68	138			
Bromodichloromethane	49.5	2.5	50	0	99	58	147			
4-Methyl-2-pentanone (MIBK)	143	13	125	0	114	49	140			
cis-1,3-Dichloropropene	49.1	2.5	50	0	98	61	130			
trans-1,3-Dichloropropene	51.1	2.5	50	0	102	62	131			
1,1,2-Trichloroethane	52.5	2.5	50	0	105	70	131			
Toluene	53.9	1.3	50	0	108	38	130			
1,3-Dichloropropane	50.5	2.5	50	0	101	70	130			
2-Hexanone	405	25	500	0	81	25	157			
Dibromochloromethane	52.6	2.5	50	0	105	49	147			
1,2-Dibromoethane (EDB)	106	5	100	0	106	70	131			
Tetrachloroethene	52	2.5	50	0	104	63	134			
1,1,1,2-Tetrachloroethane	55.7	2.5	50	0	111	70	133			
Chlorobenzene	56.8	2.5	50	0	114	70	130			
Ethylbenzene	55.2	1.3	50	0	110	70	130			
m,p-Xylene	55.4	1.3	50	0	111	65	139			
Bromoform	49.5	2.5	50	0	99	60	144			
Styrene	58.7	2.5	50	0	117	53	144			
o-Xylene	58.3	1.3	50	0	117	69	130			
1,1,2,2-Tetrachloroethane	63.4	2.5	50	0	127	67	134			
1,2,3-Trichloropropane	124	10	100	0	124	70	130			
Isopropylbenzene	59.6	2.5	50	0	119	64	136			
Bromobenzene	57.7	2.5	50	0	115	69	130			
n-Propylbenzene	58.7	2.5	50	0	117	65	132			
4-Chlorotoluene	57.9	2.5	50	0	116	69	132			
2-Chlorotoluene	58.4	2.5	50	0	117	69	130			
1,3,5-Trimethylbenzene	59.4	2.5	50	0	119	64	135			
tert-Butylbenzene	59	2.5	50	0	118	63	139			
1,2,4-Trimethylbenzene	58.2	2.5	50	0	116	62	135			
sec-Butylbenzene	58.1	2.5	50	0	116	68	132			
1,3-Dichlorobenzene	55.5	2.5	50	0	111	70	130			
1,4-Dichlorobenzene	55.8	2.5	50	0	112	70	130			
4-Isopropyltoluene	58.1	2.5	50	0	116	40	161			
1,2-Dichlorobenzene	54.7	2.5	50	0	109	70	130			
n-Butylbenzene	58.6	2.5	50	0	117	58	135			



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

**Date:**

22-Oct-13

## QC Summary Report

**Work Order:**

13101402

1,2-Dibromo-3-chloropropane (DBCP)	274	15	250	0	110	63	131
1,2,4-Trichlorobenzene	52.8	10	50	0	106	57	134
Naphthalene	59.7	10	50	0	119	31	157
1,2,3-Trichlorobenzene	52.5	10	50	0	105	52	138
Xylenes, Total	114	1.3	100	0	114	70	130
Surr: 1,2-Dichloroethane-d4	47		50		94	70	130
Surr: Toluene-d8	47.9		50		96	70	130
Surr: 4-Bromofluorobenzene	48.8		50		98	70	130





# Alpha Analytical, Inc.

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Date:  
22-Oct-13

## QC Summary Report

Work Order:  
13101402

### Sample Matrix Spike Duplicate

Type MSD Test Code: EPA Method SW8260B

File ID: C:\HPCHEM\MS10\DATA\131018\13101817.D

Batch ID: MS10W1018A

Analysis Date: 10/18/2013 18:09

Sample ID: 13101402-09AMSD

Units: µg/L

Run ID: MSD\_10\_131018A

Prep Date: 10/18/2013 18:09

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	100	2.5	50	0	201	12	150	117.5	15.6(38)	M1
Chloromethane	55.9	10	50	0	112	26	146	69.61	21.9(31)	
Vinyl chloride	67.1	2.5	50	0	134	46	142	76.66	13.3(25)	
Chloroethane	58.4	2.5	50	0	117	25	164	71.75	20.5(40)	
Bromomethane	27.5	10	50	0	55	10	172	25.4	7.8(40)	
Trichlorofluoromethane	46.4	2.5	50	0	93	32	164	50.63	8.7(34)	
Acetone	831	50	1000	0	83	10	188	916	9.7(39)	
1,1-Dichloroethene	52.2	2.5	50	0	104	62	133	54.24	3.9(35)	
Tertiary Butyl Alcohol (TBA)	440	25	500	0	88	44	155	482.7	9.3(33)	
Dichloromethane	46	10	50	0	92	69	130	52.05	12.3(26)	
Freon-113	52.1	2.5	50	0	104	56	144	55.94	7.1(40)	
trans-1,2-Dichloroethene	50.6	2.5	50	0	101	67	131	52.16	3.1(27)	
Methyl tert-butyl ether (MTBE)	49.5	1.3	50	0	99	56	140	51.47	3.8(40)	
1,1-Dichloroethane	48.2	2.5	50	0	96	67	130	50.23	4.2(20)	
2-Butanone (MEK)	950	50	1000	0	95	26	183	1056	10.6(22)	
Di-isopropyl Ether (DIPE)	48.7	2.5	50	0	97	59	138	51.81	6.2(20)	
cis-1,2-Dichloroethene	49.7	2.5	50	0	99	70	130	51.17	3.0(20)	
Bromochloromethane	49	2.5	50	0	98	70	134	52.31	6.6(20)	
Chloroform	45.3	2.5	50	0	91	69	130	47.83	5.5(22)	
Ethyl Tertiary Butyl Ether (ETBE)	53.1	2.5	50	0	106	62	135	55.42	4.3(40)	
2,2-Dichloropropane	44.4	2.5	50	0	89	44	149	47.88	7.5(23)	
1,2-Dichloroethane	44.6	2.5	50	0	89	64	139	47.59	6.6(20)	
1,1,1-Trichloroethane	47	2.5	50	0	94	65	139	50.29	6.8(20)	
1,1-Dichloropropene	50	2.5	50	0	100	68	134	52.16	4.2(20)	
Carbon tetrachloride	48.1	2.5	50	0	96	56	146	50.1	4.1(21)	
Benzene	46.9	1.3	50	0	94	67	134	51.37	9.0(21)	
Tertiary Amyl Methyl Ether (TAME)	54.2	2.5	50	0	108	64	135	58.74	8.0(31)	
Dibromomethane	47.2	2.5	50	0	94	70	132	52.09	9.8(20)	
1,2-Dichloropropane	45.8	2.5	50	0	92	69	134	49.23	7.3(20)	
Trichloroethene	46.1	2.5	50	0	92	68	138	49.32	6.9(20)	
Bromodichloromethane	46.6	2.5	50	0	93	58	147	49.48	5.9(20)	
4-Methyl-2-pentanone (MIBK)	122	13	125	0	97	49	140	142.6	15.9(24)	
cis-1,3-Dichloropropene	46.2	2.5	50	0	92	61	130	49.08	6.1(20)	
trans-1,3-Dichloropropene	46	2.5	50	0	92	62	131	51.11	10.5(21)	
1,1,2-Trichloroethane	47	2.5	50	0	94	70	131	52.53	11.2(20)	
Toluene	50.2	1.3	50	0	100	38	130	53.86	7.0(20)	
1,3-Dichloropropane	50.3	2.5	50	0	101	70	130	50.52	0.4(20)	
2-Hexanone	367	25	500	0	73	25	157	404.9	9.8(23)	
Dibromochloromethane	52.2	2.5	50	0	104	49	147	52.55	0.7(20)	
1,2-Dibromoethane (EDB)	104	5	100	0	104	70	131	105.8	2.1(20)	
Tetrachloroethene	49.1	2.5	50	0	98	63	134	52.02	5.7(20)	
1,1,1,2-Tetrachloroethane	54.7	2.5	50	0	109	70	133	55.73	1.9(20)	
Chlorobenzene	51.3	2.5	50	0	103	70	130	56.8	10.2(20)	
Ethylbenzene	50.9	1.3	50	0	102	70	130	55.16	8.1(20)	
m,p-Xylene	50.9	1.3	50	0	102	65	139	55.4	8.6(20)	
Bromoform	45.1	2.5	50	0	90	60	144	49.52	9.5(21)	
Styrene	53.1	2.5	50	0	106	53	144	58.72	10.0(31)	
o-Xylene	53	1.3	50	0	106	69	130	58.25	9.4(20)	
1,1,2,2-Tetrachloroethane	54.8	2.5	50	0	110	67	134	63.43	14.5(20)	
1,2,3-Trichloropropane	107	10	100	0	107	70	130	123.6	14.0(20)	
Isopropylbenzene	54.2	2.5	50	0	108	64	136	59.55	9.5(20)	
Bromobenzene	52	2.5	50	0	104	69	130	57.66	10.4(20)	
n-Propylbenzene	53.6	2.5	50	0	107	65	132	58.72	9.0(40)	
4-Chlorotoluene	53.5	2.5	50	0	107	69	132	57.88	7.9(20)	
2-Chlorotoluene	53.3	2.5	50	0	107	69	130	58.44	9.1(20)	
1,3,5-Trimethylbenzene	55	2.5	50	0	110	64	135	59.4	7.8(21)	
tert-Butylbenzene	53.9	2.5	50	0	108	63	139	58.98	9.0(20)	
1,2,4-Trimethylbenzene	53.8	2.5	50	0	108	62	135	58.23	8.0(24)	
sec-Butylbenzene	53.6	2.5	50	0	107	68	132	58.09	8.1(20)	
1,3-Dichlorobenzene	51	2.5	50	0	102	70	130	55.49	8.5(20)	
1,4-Dichlorobenzene	51.4	2.5	50	0	103	70	130	55.84	8.2(20)	
4-Isopropyltoluene	53.7	2.5	50	0	107	40	161	58.11	8.0(22)	
1,2-Dichlorobenzene	50.2	2.5	50	0	100	70	130	54.69	8.5(20)	
n-Butylbenzene	54.4	2.5	50	0	109	58	135	58.64	7.5(24)	
1,2-Dibromo-3-chloropropane (DBCP)	259	15	250	0	103	63	131	274.3	5.9(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:**

22-Oct-13

## QC Summary Report

**Work Order:**

13101402

1,2,4-Trichlorobenzene	51.5	10	50	0	103	57	134	52.77	2.5(30)
Naphthalene	56.1	10	50	0	112	31	157	59.72	6.3(40)
1,2,3-Trichlorobenzene	51.1	10	50	0	102	52	138	52.53	2.7(39)
Xylenes, Total	104	1.3	100	0	104	70	130	113.7	9.0(22)
Surr: 1,2-Dichloroethane-d4	49.7		50		99	70	130		
Surr: Toluene-d8	50.5		50		101	70	130		
Surr: 4-Bromofluorobenzene	48.9		50		98	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.

M1 = Matrix spike recovery was high, the method control sample recovery was acceptable.

# 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 : CHHL13101402**  
**Report Due By : 5:00 PM On : 23-Oct-13**

**Client:**  
 CH2M Hill  
 1000 Wilshire Boulevard  
 21st Floor  
 Los Angeles, CA 90017

Report Attention	Phone Number	E Mail 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 : Matt Housur

PO :  
 Client's COC # : none Job : DFSP Norwalk

Cooler Temp	Samples Received	Date Printed
2 °C	11-Oct-13	14-Oct-13

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix	Collection Date	No. of Bottles			Requested Tests						Sample Remarks			
				Alpha	Sub	TAT	TPHE_W	TPH/P_W	VOC_W							
CHH13101402-01A	MW-15	AQ	10/11/13 07:52	5	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate							
CHH13101402-02A	GMW-4	AQ	10/11/13 08:26	5	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate							
CHH13101402-03A	GMW-10	AQ	10/11/13 08:56	5	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate							
CHH13101402-04A	GMW-36	AQ	10/11/13 09:41	5	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate							
CHH13101402-05A	GMW-O-15	AQ	10/11/13 10:16	5	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate							
CHH13101402-06A	GMW-O-12	AQ	10/11/13 10:51	5	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate							
CHH13101402-07A	EB-7	AQ	10/11/13 11:00	5	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate							
CHH13101402-08A	DUP-4	AQ	10/11/13 00:00	5	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 10/14/13. :

Signature	Print Name	Company	Date/Time
	Tricia Guasale	Alpha Analytical, Inc.	10-14-13 10:00

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

# 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 : CHHL13101402**  
**Report Due By : 5:00 PM On : 23-Oct-13**

**Client:**  
 CH2M Hill  
 1000 Wilshire Boulevard  
 21st Floor  
 Los Angeles, CA 90017

Report Attention	Phone Number	E Mail 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 : Matt Housur

PO :

Cooler Temp	Samples Received	Date Printed
2 °C	11-Oct-13	14-Oct-13

Client's COC # : none

Job : DFSP Norwalk

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix	Date	No. of Bottles			Requested Tests						Sample Remarks		
				Alpha	Sub	TAT	TPHE_W	TPHP_W	VOC_W						
CHH13101402-09A	DUP-5	AQ	10/11/13 00:00	5	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH13101402-10A	MW-SF-9	AQ	10/11/13 08:46	5	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH13101402-11A	PZ-5	AQ	10/11/13 09:42	5	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH13101402-12A	GMW-O-10	AQ	10/11/13 10:37	5	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH13101402-13A	GMW-O-14	AQ	10/11/13 11:45	5	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH13101402-14A	MW-O-2	AQ	10/11/13 12:10	5	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH13101402-15A	EB-9	AQ	10/11/13 12:20	5	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH13101402-16A	TB-4	AQ	10/11/13 07:20	3	0	7			TPHE(0.05) +Vinyl acetate						

**Comments:** Security seals intact. Frozen ice. Saturday delivery. Samples kept cold and secure until login on 10/14/13. :

Signature	Print Name	Company	Date/Time
	Tricia Guisasola	Alpha Analytical, Inc.	10/14/13 10:36

Logged in by:

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

# 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 : CHHL13101402**  
**Report Due By : 5:00 PM On : 23-Oct-13**

**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 : Matt Housur

PO :

Cooler Temp	Samples Received	Date Printed
2 °C	11-Oct-13	14-Oct-13

Client's COC # : none Job : DFSP Norwalk

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix	No. of Bottles Alpha	Sub	TAT	Requested Tests						Sample Remarks		
						TPHE_W +Vinyl acetate	TPH/P_W +Vinyl acetate	VOC_W +Vinyl acetate						
CHH13101402-17A	GWR-1	AQ 10/11/13 11:55	5	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH13101402-18A	PZ-2	AQ 10/11/13 10:55	5	0	7	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate	TPHE(0.05) +Vinyl acetate						
CHH13101402-19A	EB-8	AQ 10/11/13 12:05	5	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 10/14/13. :

Signature	Print Name	Company	Date/Time
	Tricia Guisasola	Alpha Analytical, Inc.	10.14.13 10:39

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

## CONDUCT ANALYSIS TO DETECT

LAB

Alpha Analytical COC 1 of 3

Billing Information:  
 Kinder Morgan  
 1100 Town and Country Rd.  
 Orange CA 95112

Kinder Morgan Norwalk  
 Report to:  
 Dan Jablonski  
 CH2MHILL  
 1000 Wilshire Blvd 21st floor  
 Los Angeles, CA 90017

### CHAIN OF CUSTODY

CLIENT **Kinder Morgan**

SITE **DFSP Norwalk**

**15306 Norwalk Blvd, Norwalk**

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS			TPHg, TPHd (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
			AQ=Water	#	Preservation	Type												
MW-15	10/11/13	0752	AQ	5	H2L	V02	X	X										CHH1310402-01
GMW-4		0826					X	X										-02
GMW-10		0856					X	X										-03
GMW-36		0941					X	X										-04
GMW-0-15		1016					X	X										-05
GMW-0-12	10/11/13	1051	AQ	5	H2L	V02	X	X										-06
EP-7	10/11/13	1100	AQ	5	H2L	V02	X	X										-07

SAMPLING COMPLETED DATE 10/11/13 TIME 1200 SAMPLING PERFORMED BY **MATT HOUSER** RESULTS NEEDED NO LATER THAN **Standard**

RELEASED BY **(M)** TIME 1400 RECEIVED BY **[Signature]** DATE 10/11/13 TIME 1400

RELEASED BY **Nicole** TIME 1500 RECEIVED BY **[Signature]** DATE 10/11/13 TIME 1500

RELEASED BY **[Signature]** TIME 1500 RECEIVED BY **Chris Swanson** DATE 10-14-13 TIME 10:29

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

Alpha Analytical COC 2 of 3

CHAIN OF CUSTODY

CLIENT: **Kinder Morgan**  
 SITE: **DFSP Norwalk**  
**15306 Norwalk Blvd, Norwalk**

CONDUCT ANALYSIS TO DETECT

TPHg, TPHd (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)																			

LAB Billing Information:  
 Kinder Morgan  
 1100 Town and Country Rd.  
 Orange CA 95112

Kinder Morgan Norwalk  
 Report to:  
 Dan Jablonski  
 CH2MHILL  
 1000 Wilshire Blvd 21st floor  
 Los Angeles, CA 90017

SAMPLE I.D.	DATE	TIME	MATRIX AQ= Water	CONTAINERS			TPHg, TPHd (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)												ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
				#	Preservation	Type																	
DUP-4	10/11/13	—	A&W	5	HCl	Vac	X	X															
DUP-5	↓	—	↓	↓	↓	↓	X	X															

RESULTS NEEDED NO LATER THAN **Standard**

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	AD	TIME	RECEIVED BY	DATE	TIME
RELEASED BY					1415	Nicole	10/11/13	1415
RELEASED BY					1500	[Signature]	10/11/13	1500
RELEASED BY			Nicole		1500	[Signature]	10/14/13	10:39
SHIPPED VIA					TIME SENT	COOLER #		

# BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE  
 SAN JOSE, CALIFORNIA 95112-1105  
 FAX (408) 573-7771  
 PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB

Alpha Analytical COC 3 of 3

Billing Information:  
 Kinder Morgan  
 1100 Town and Country Rd.  
 Orange CA 95112

Kinder Morgan Norwalk  
 Report to:  
 Dan Jablonski  
 CH2MHILL  
 1000 Wilshire Blvd 21st floor  
 Los Angeles, CA 90017

CHAIN OF CUSTODY

CLIENT: Kinder Morgan  
 SITE: DFSP Norwalk  
 15306 Norwalk Blvd, Norwalk

TPHg, TPHd (EPA 8015M)

VOC's & Oxygenates (EPA 8260B)

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS			TPHg, TPHd (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
			AQ= Water	#	Preservation	Type												
MW-SF-9	10/11/13	0846	AG	5	WCL	None	X	X										CH#1310402-10
PZ-5		0942					X	X										-11
GMW-0-10		1037					X	X										-12
GMW-0-14		1145					X	X										-13
MW-0-2		1210					X	X										-14
EB-9		1220		↓			X	X										-15
TB-4		0720	↓	3				X										-16
GBR-1		1155		5			X	X										-17
PZ-2	↓	1055	↓	↓	↓	↓	X	X										-18
EB-8	↓	1205	↓	5	↓	↓	X	X										-19

SAMPLING COMPLETED: 10/11/13 1220  
 SAMPLING PERFORMED BY: AD / BC  
 RESULTS NEEDED NO LATER THAN: Standard

RELEASED BY: Alex Delera  
 TIME: 1430  
 RECEIVED BY: Nicole  
 DATE: 10/11/13  
 TIME: 1430

RELEASED BY: Nicole  
 TIME: 1500  
 RECEIVED BY: [Signature]  
 DATE: 10/11/13  
 TIME: 1500

RELEASED BY: [Signature]  
 TIME: 1500  
 RECEIVED BY: Chris Sumner  
 DATE: 10/14/13  
 TIME: 10:39

SHIPPED VIA: [Blank]  
 TIME SENT: [Blank]  
 COOLER #: [Blank]





# 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 : 10/25/13

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 :	<b>GMW-O-24</b>				
Lab ID :	TPH-E (DRO)	ND	0.050 mg/L	10/29/13	10/29/13
Date Sampled	Surr: Nonane	112	(53-145) %REC	10/29/13	10/29/13
	TPH-P (GRO)	ND	0.050 mg/L	10/28/13	10/28/13
	Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC	10/28/13	10/28/13
	Surr: Toluene-d8	107	(70-130) %REC	10/28/13	10/28/13
	Surr: 4-Bromofluorobenzene	98	(70-130) %REC	10/28/13	10/28/13
Client ID :	<b>DUP-1</b>				
Lab ID :	TPH-E (DRO)	ND	0.050 mg/L	10/29/13	10/29/13
Date Sampled	Surr: Nonane	102	(53-145) %REC	10/29/13	10/29/13
	TPH-P (GRO)	ND	0.050 mg/L	10/28/13	10/28/13
	Surr: 1,2-Dichloroethane-d4	91	(70-130) %REC	10/28/13	10/28/13
	Surr: Toluene-d8	107	(70-130) %REC	10/28/13	10/28/13
	Surr: 4-Bromofluorobenzene	97	(70-130) %REC	10/28/13	10/28/13
Client ID :	<b>EB-1</b>				
Lab ID :	TPH-E (DRO)	ND	0.050 mg/L	10/29/13	10/29/13
Date Sampled	Surr: Nonane	117	(53-145) %REC	10/29/13	10/29/13
	TPH-P (GRO)	ND	0.050 mg/L	10/28/13	10/28/13
	Surr: 1,2-Dichloroethane-d4	94	(70-130) %REC	10/28/13	10/28/13
	Surr: Toluene-d8	106	(70-130) %REC	10/28/13	10/28/13
	Surr: 4-Bromofluorobenzene	98	(70-130) %REC	10/28/13	10/28/13

Diesel Range Organics (DRO) C13-C22

Gasoline Range Organics (GRO) C4-C13

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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*PJ*

11/4/13

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: CHH13102501-01A  
Client I.D. Number: GMW-O-24

Sampled: 10/23/13 13:13  
Received: 10/25/13  
Extracted: 10/28/13  
Analyzed: 10/28/13

### Volatile Organics by GC/MS EPA Method SW8260B

Reporting			Reporting		
Compound	Concentration	Limit	Compound	Concentration	Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethane	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethane	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	1.2	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethane	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	107	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	98	(70-130) %REC
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			

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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*[Signature]*  
11/4/13

Report Date

Page 1 of 1



# 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: CHH13102501-02A  
Client I.D. Number: DUP-1

Sampled: 10/23/13 00:00  
Received: 10/25/13  
Extracted: 10/28/13  
Analyzed: 10/28/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	1.1	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	91	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	107	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	97	(70-130) %REC
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			

ND = Not Detected



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*[Signature]*  
11/4/13

Report Date

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# 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: CHH13102501-03A  
Client I.D. Number: EB-1

Sampled: 10/23/13 13:30  
Received: 10/25/13  
Extracted: 10/28/13  
Analyzed: 10/28/13

### Volatile Organics by GC/MS EPA Method SW8260B

Reporting			Reporting		
Compound	Concentration	Limit	Compound	Concentration	Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	94	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	106	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	98	(70-130) %REC
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			

ND = Not Detected

*Roger Scholl*     *Randy Gardner*     *Walter Hinckman*  
Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinckman, Quality Assurance Officer

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*[Signature]*

11/4/13

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: CHH13102501-04A  
Client I.D. Number: TB-1

Sampled: 10/23/13 14:00  
Received: 10/25/13  
Extracted: 10/28/13  
Analyzed: 10/28/13

### Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Xylenes, Total	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 Styrene	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	51 o-Xylene	ND	0.50 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 1,2,3-Trichloropropane	ND	2.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Isopropylbenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 Bromobenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 n-Propylbenzene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 4-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 2-Chlorotoluene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 1,3,5-Trimethylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 tert-Butylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 1,2,4-Trimethylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 sec-Butylbenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,3-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 1,4-Dichlorobenzene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 4-Isopropyltoluene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 1,2-Dichlorobenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 n-Butylbenzene	ND	1.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 1,2,4-Trichlorobenzene	ND	2.0 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 Naphthalene	ND	10 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 1,2,3-Trichlorobenzene	ND	2.0 µg/L
28 Benzene	ND	0.50 µg/L	72 Surr: 1,2-Dichloroethane-d4	97	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: Toluene-d8	105	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L	74 Surr: 4-Bromofluorobenzene	100	(70-130) %REC
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			

ND = Not Detected



*Roger Scholl*     *Randy Gardner*     *Walter Hinckman*  
Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinckman, 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 in any way.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.



*[Signature]*  
11/4/13

Report Date

Page 1 of 1



# 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: CHH13102501

Job: DFSP Norwalk

---

Alpha's Sample ID	Client's Sample ID	Matrix	pH
13102501-01A	GMW-O-24	Aqueous	2
13102501-02A	DUP-1	Aqueous	2
13102501-03A	EB-1	Aqueous	2
13102501-04A	TB-1	Aqueous	2

---



# Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:  
30-Oct-13

## QC Summary Report

Work Order:  
13102501

### Method Blank

File ID: 7A10291308.D	Type: MBLK	Test Code: EPA Method SW8015B/C Ext	Batch ID: 31883	Analysis Date: 10/29/2013 12:50						
Sample ID: MBLK-31883	Units : mg/L	Run ID: FID_7_131029A	Prep Date: 10/29/2013 08:59							
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	ND	0.05								
Surr: Nonane	0.144		0.15		96	53	145			

### Laboratory Control Spike

File ID: 7A10291307.D	Type: LCS	Test Code: EPA Method SW8015B/C Ext	Batch ID: 31883	Analysis Date: 10/29/2013 12:24						
Sample ID: LCS-31883	Units : mg/L	Run ID: FID_7_131029A	Prep Date: 10/29/2013 08:59							
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.41	0.05	2.5		96	70	130			
Surr: Nonane	0.162		0.15		108	53	145			

### Sample Matrix Spike

File ID: 7A10291324.D	Type: MS	Test Code: EPA Method SW8015B/C Ext	Batch ID: 31883	Analysis Date: 10/29/2013 19:55						
Sample ID: 13102447-15AMS	Units : mg/L	Run ID: FID_7_131029A	Prep Date: 10/29/2013 08:59							
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.59	0.05	2.5	0	103	51	151			
Surr: Nonane	0.144		0.15		96	53	145			

### Sample Matrix Spike Duplicate

File ID: 7A10291325.D	Type: MSD	Test Code: EPA Method SW8015B/C Ext	Batch ID: 31883	Analysis Date: 10/29/2013 20:22						
Sample ID: 13102447-15AMSD	Units : mg/L	Run ID: FID_7_131029A	Prep Date: 10/29/2013 08:59							
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.92	0.05	2.5	0	117	51	151	2.586	12.0(40)	
Surr: Nonane	0.134		0.15		89	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.



# Alpha Analytical, Inc.

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Date:  
30-Oct-13

## QC Summary Report

Work Order:  
13102501

### Method Blank

Type: **MBLK** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **C:\HPCHEM\MS10\DATA\131028\13102805.D**

Batch ID: **MS10W1028B**

Analysis Date: **10/28/2013 12:23**

Sample ID: **MBLK MS10W1028B**

Units: **mg/L**

Run ID: **MSD\_10\_131028A**

Prep Date: **10/28/2013 12:23**

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	0.00982		0.01		98	70	130			
Surr: Toluene-d8	0.0103		0.01		103	70	130			
Surr: 4-Bromofluorobenzene	0.00971		0.01		97	70	130			

### Laboratory Control Spike

Type: **LCS** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **C:\HPCHEM\MS10\DATA\131028\13102803.D**

Batch ID: **MS10W1028B**

Analysis Date: **10/28/2013 11:40**

Sample ID: **GLCS MS10W1028B**

Units: **mg/L**

Run ID: **MSD\_10\_131028A**

Prep Date: **10/28/2013 11:40**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	0.426	0.05	0.4		106	70	130			
Surr: 1,2-Dichloroethane-d4	0.00998		0.01		99.8	70	130			
Surr: Toluene-d8	0.00999		0.01		99.9	70	130			
Surr: 4-Bromofluorobenzene	0.0096		0.01		96	70	130			

### Sample Matrix Spike

Type: **MS** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **C:\HPCHEM\MS10\DATA\131028\13102817.D**

Batch ID: **MS10W1028B**

Analysis Date: **10/28/2013 17:00**

Sample ID: **13102501-01AGS**

Units: **mg/L**

Run ID: **MSD\_10\_131028A**

Prep Date: **10/28/2013 17:00**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2.2	0.25	2	0	110	54	143			
Surr: 1,2-Dichloroethane-d4	0.05		0.05		99.9	70	130			
Surr: Toluene-d8	0.0505		0.05		101	70	130			
Surr: 4-Bromofluorobenzene	0.0479		0.05		96	70	130			

### Sample Matrix Spike Duplicate

Type: **MSD** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **C:\HPCHEM\MS10\DATA\131028\13102818.D**

Batch ID: **MS10W1028B**

Analysis Date: **10/28/2013 17:21**

Sample ID: **13102501-01AGSD**

Units: **mg/L**

Run ID: **MSD\_10\_131028A**

Prep Date: **10/28/2013 17:21**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2.56	0.25	2	0	128	54	143	2.198	15.3(23)	
Surr: 1,2-Dichloroethane-d4	0.05		0.05		99.9	70	130			
Surr: Toluene-d8	0.0514		0.05		103	70	130			
Surr: 4-Bromofluorobenzene	0.0481		0.05		96	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.







# Alpha Analytical, Inc.

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Date:

## QC Summary Report

Work Order:  
13102501

30-Oct-13

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	9.82		10	98	70	130			
Surr: Toluene-d8	10.3		10	103	70	130			
Surr: 4-Bromofluorobenzene	9.71		10	97	70	130			

### Laboratory Control Spike

Type: LCS Test Code: EPA Method SW8260B

File ID: C:\HPCHEM\MS10\DATA\131028\13102802.D

Batch ID: MS10W1028A

Analysis Date: 10/28/2013 11:19

Sample ID: LCS MS10W1028A

Units: µg/L

Run ID: MSD\_10\_131028A

Prep Date: 10/28/2013 11:19

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	10.9	1	10		109	80	120			
Methyl tert-butyl ether (MTBE)	10.4	0.5	10		104	63	137			
Benzene	9.65	0.5	10		97	70	130			
Trichloroethene	10	1	10		100	68	138			
Toluene	10.2	0.5	10		102	80	120			
Chlorobenzene	10.3	1	10		103	70	130			
Ethylbenzene	10.4	0.5	10		104	80	120			
m,p-Xylene	10.6	0.5	10		106	65	139			
o-Xylene	10.8	0.5	10		108	70	130			
Xylenes, Total	21.3	0.5	20		107	70	130			
Surr: 1,2-Dichloroethane-d4	10.5		10		105	70	130			
Surr: Toluene-d8	10.1		10		101	70	130			
Surr: 4-Bromofluorobenzene	9.63		10		96	70	130			

### Sample Matrix Spike

Type: MS Test Code: EPA Method SW8260B

File ID: C:\HPCHEM\MS10\DATA\131028\13102815.D

Batch ID: MS10W1028A

Analysis Date: 10/28/2013 16:17

Sample ID: 13102501-01AMS

Units: µg/L

Run ID: MSD\_10\_131028A

Prep Date: 10/28/2013 16:17

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	44	2.5	50		88	62	133			
Methyl tert-butyl ether (MTBE)	39.4	1.3	50	1.24	76	56	140			
Benzene	39.3	1.3	50		79	67	134			
Trichloroethene	38.8	2.5	50		78	68	138			
Toluene	43.1	1.3	50		86	38	130			
Chlorobenzene	43.9	2.5	50		88	70	130			
Ethylbenzene	44.1	1.3	50		88	70	130			
m,p-Xylene	44.5	1.3	50		89	65	139			
o-Xylene	46.3	1.3	50		93	69	130			
Xylenes, Total	90.8	1.3	100		91	70	130			
Surr: 1,2-Dichloroethane-d4	50.9		50		102	70	130			
Surr: Toluene-d8	49.8		50		99.6	70	130			
Surr: 4-Bromofluorobenzene	47.6		50		95	70	130			

### Sample Matrix Spike Duplicate

Type: MSD Test Code: EPA Method SW8260B

File ID: C:\HPCHEM\MS10\DATA\131028\13102816.D

Batch ID: MS10W1028A

Analysis Date: 10/28/2013 16:38

Sample ID: 13102501-01AMSD

Units: µg/L

Run ID: MSD\_10\_131028A

Prep Date: 10/28/2013 16:38

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	55.9	2.5	50		112	62	133	43.96	23.8(35)	
Methyl tert-butyl ether (MTBE)	51.5	1.3	50	1.24	100	56	140	39.36	26.6(40)	
Benzene	49.4	1.3	50		99	67	134	39.33	22.6(21)	R5
Trichloroethene	48.6	2.5	50		97	68	138	38.76	22.6(20)	R5
Toluene	54.2	1.3	50		108	38	130	43.1	22.8(20)	R5
Chlorobenzene	54.7	2.5	50		109	70	130	43.92	21.9(20)	R5
Ethylbenzene	55.1	1.3	50		110	70	130	44.05	22.2(20)	R5
m,p-Xylene	55.9	1.3	50		112	65	139	44.52	22.6(20)	R5
o-Xylene	57.9	1.3	50		116	69	130	46.29	22.3(20)	R5
Xylenes, Total	114	1.3	100		114	70	130	90.81	22.5(22)	R5
Surr: 1,2-Dichloroethane-d4	52.2		50		104	70	130			
Surr: Toluene-d8	50		50		100	70	130			
Surr: 4-Bromofluorobenzene	47.1		50		94	70	130			



# *Alpha Analytical, Inc.*

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

**Date:**

30-Oct-13

## QC Summary Report

**Work Order:**

13102501

**Comments:**

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

R5 = MS/MSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

# 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 : CHHL13102501**  
**Report Due By : 5:00 PM On : 05-Nov-13**

**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 : Nicholas King

PO :  
 Client's COC # : none Job : DFSP Norwalk

Cooler Temp	Samples Received	Date Printed
0 °C	25-Oct-13	25-Oct-13

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix	No. of Bottles Alpha Sub TAT	Requested Tests						Sample Remarks	
				TPHE_W	TPHP_W	VOC_W					
CHH13102501-01A	GMW-O-24	AQ 10/23/13 13:13	5 0 7	TPHE(0.05)+Vinyl acetate	TPHE(0.05)+Vinyl acetate	TPHE(0.05)+Vinyl acetate					
CHH13102501-02A	DUP-1	AQ 10/23/13 00:00	5 0 7	TPHE(0.05)+Vinyl acetate	TPHE(0.05)+Vinyl acetate	TPHE(0.05)+Vinyl acetate					
CHH13102501-03A	EB-1	AQ 10/23/13 13:30	5 0 7	TPHE(0.05)+Vinyl acetate	TPHE(0.05)+Vinyl acetate	TPHE(0.05)+Vinyl acetate					
CHH13102501-04A	TB-1	AQ 10/23/13 14:00	2 0 7			TPHE(0.05)+Vinyl acetate					Reno Trip Blanks 10/10/13

**Comments:** Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. :

Signature	Print Name	Company	Date/Time
	Tricia Gussisola	Alpha Analytical, Inc.	10-25-13 11:10

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

## CONDUCT ANALYSIS TO DETECT

LAB

Alpha Analytical COC 1 of 1

Billing Information:  
 Kinder Morgan  
 1100 Town and Country Rd.  
 Orange CA 95112

Kinder Morgan Norwalk  
 Report to:  
 Dan Jablonski  
 CH2MHILL  
 1000 Wilshire Blvd 21st floor  
 Los Angeles, CA 90017

### CHAIN OF CUSTODY

CLIENT **Kinder Morgan**

SITE **DFSP Norwalk**

**15306 Norwalk Blvd, Norwalk**

SAMPLE I.D.	DATE	TIME	MATRIX AQ= Water	CONTAINERS			TPHg, TPHd (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
				#	Preservation	Type												
GMW-0-24	10/23/13	1313	AQ	5	HCL	VOA	X	X										CHHL13102504-01
DUP-1	↓		↓	5	↓	↓	X	X										-02
EB-1	↓	1330	↓	5	↓	↓	X	X										-03
TB-1	↓	1400	↓	25	↓	↓		X										-04

SAMPLING COMPLETED | DATE 10/23/13 | TIME 1400 | SAMPLING PERFORMED BY Nicholas King | RESULTS NEEDED NO LATER THAN Standard

RELEASED BY Nicholas King (OTS) | TIME 1530 | RECEIVED BY Nicole | DATE 10/23/13 | TIME 1530

RELEASED BY Nicole | TIME 1646 | RECEIVED BY [Signature] | DATE 10/24/13 | TIME 1646

RELEASED BY [Signature] | TIME 1646 | RECEIVED BY [Signature] | DATE 10-25-13 | TIME 1055

SHIPPED VIA | TIME SENT | COOLER #

**APPENDIX C**  
**Summary of Historical Groundwater Elevations**

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
BW-1	10/04/10	73.17	---	25.94	---	47.23
BW-1	04/11/11	73.17	---	25.36	---	47.81
BW-1	10/10/11	73.17	---	25.03	---	48.14
BW-1	04/16/12	73.17	---	26.2	---	46.97
BW-1	07/09/12	73.17	---	NM	---	NC
BW-1	10/15/12	73.17	---	25.26	---	47.91
BW-1	04/08/13	73.17	---	NM	---	NC
BW-2	10/04/10	73.57	---	26.02	---	47.55
BW-2	04/11/11	73.57	---	25.3	---	48.27
BW-2	10/10/11	73.57	---	23.81	---	49.76
BW-2	04/16/12	73.57	---	26.29	---	47.28
BW-2	07/09/12	73.57	---	NM	---	NC
BW-2	10/15/12	73.57	---	25.58	---	47.99
BW-2	04/08/13	73.57	---	27.65	---	45.92
BW-3	10/04/10	74.16	---	27.8	---	46.36
BW-3	04/11/11	74.16	---	26.14	---	48.02
BW-3	10/10/11	74.16	---	26.91	---	47.25
BW-3	04/16/12	74.16	---	27.37	---	46.79
BW-3	07/09/12	74.16	---	NM	---	NC
BW-3	10/15/12	74.16	---	26.19	---	47.97
BW-3	04/08/13	74.16	---	28.85	---	45.31
BW-4	10/04/10	74.61	---	27.1	---	47.51
BW-4	04/11/11	74.61	---	26.23	---	48.38
BW-4	10/10/11	74.61	---	26.3	---	48.31
BW-4	04/16/12	74.61	---	27.52	---	47.09
BW-4	07/09/12	74.61	---	NM	---	NC
BW-4	10/15/12	74.61	---	26.93	---	47.68
BW-4	04/08/13	74.61	---	29	---	45.61
BW-5	10/04/10	73.59	---	26.03	---	47.56
BW-5	04/11/11	73.59	---	25.18	---	48.41
BW-5	10/10/11	73.59	---	25.19	---	48.4
BW-5	04/16/12	73.59	---	26.57	---	47.02
BW-5	07/09/12	73.59	---	NM	---	NC
BW-5	10/15/12	73.59	---	26.11	---	47.48
BW-5	04/08/13	73.59	---	28.05	---	45.54
BW-6	10/04/10	73.48	---	26.36	---	47.12
BW-6	04/11/11	73.48	---	25.34	---	48.14
BW-6	10/10/11	73.48	---	25.74	---	47.74
BW-6	04/16/12	73.48	---	26.73	---	46.75
BW-6	07/09/12	73.48	---	NM	---	NC
BW-6	10/15/12	73.48	---	26	---	47.48
BW-6	04/08/13	73.48	---	28.34	---	45.14
BW-7	10/04/10	74.65	---	27.55	---	47.1
BW-7	04/11/11	74.65	---	26.7	---	47.95
BW-7	10/10/11	74.65	---	26.83	---	47.82
BW-7	04/16/12	74.65	---	27.71	---	46.94
BW-7	07/09/12	74.65	---	NM	---	NC
BW-7	10/15/12	74.65	---	27.15	---	47.5
BW-7	04/08/13	74.65	---	29.01	---	45.64
BW-8	10/04/10	75.08	---	27.97	---	47.11
BW-8	04/11/11	75.08	---	27.28	---	47.8
BW-8	10/10/11	75.08	---	27.15	---	47.93
BW-8	04/16/12	75.08	---	28.08	---	47
BW-8	07/09/12	75.08	---	NM	---	NC
BW-8	10/15/12	75.08	---	29.61	---	45.47
BW-8	04/08/13	75.08	---	29.46	---	45.62
BW-9	10/04/10	76.19	---	29.2	---	46.99
BW-9	04/11/11	76.19	---	28.5	---	47.69
BW-9	10/10/11	76.19	---	28.49	---	47.7

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
BW-9	04/16/12	76.19	---	29.4	---	46.79
BW-9	07/09/12	76.19	---	NM	---	NC
BW-9	10/15/12	76.19	---	29.22	---	46.97
BW-9	04/08/13	76.19	---	30.54	---	45.65
EXP-1	05/28/96	78.44	---	48.29	---	30.15
EXP-1	11/20/96	78.44	---	49.1	---	29.34
EXP-1	07/01/97	78.44	---	47.89	---	30.55
EXP-1	12/31/97	78.44	---	47.08	---	31.36
EXP-1	05/01/98	78.44	---	45.16	---	33.28
EXP-1	05/25/99	78.44	---	45.44	---	33
EXP-1	08/09/99	78.44	---	47.6	---	30.84
EXP-1	09/23/99	78.44	---	48.53	---	29.91
EXP-1	10/12/99	78.44	---	48.51	---	29.93
EXP-1	11/15/99	78.44	---	48.39	---	30.05
EXP-1	12/21/99	78.44	---	47.69	---	30.75
EXP-1	01/20/00	78.44	---	47.45	---	30.99
EXP-1	02/28/00	78.44	---	46.92	---	31.52
EXP-1	03/28/00	78.44	---	46.65	---	31.79
EXP-1	04/20/00	78.44	---	47.2	---	31.24
EXP-1	05/15/00	78.44	---	47.55	---	30.89
EXP-1	05/15/00	78.44	---	47.51	---	30.93
EXP-1	06/30/00	78.44	---	48.51	---	29.93
EXP-1	08/28/00	78.44	---	49.5	---	28.94
EXP-1	02/05/01	78.44	---	48.47	---	29.97
EXP-1	05/07/01	78.44	---	48.15	---	30.29
EXP-1	05/07/01	78.44	---	48.09	---	30.35
EXP-1	09/18/01	78.44	---	50.22	---	28.22
EXP-1	11/05/01	78.44	---	50.17	---	28.27
EXP-1	11/13/01	78.44	---	49.31	---	29.13
EXP-1	11/13/01	78.44	---	49.32	---	29.12
EXP-1	01/29/02	78.44	---	49.07	---	29.37
EXP-1	04/08/02	78.44	---	49.2	---	29.24
EXP-1	04/08/02	78.44	---	48.96	---	29.48
EXP-1	07/29/02	78.44	---	51.35	---	27.09
EXP-1	10/21/02	78.44	---	51.91	---	26.53
EXP-1	10/21/02	78.44	---	51.94	---	26.5
EXP-1	01/27/03	78.44	---	49.6	---	28.84
EXP-1	04/07/03	78.44	---	50.3	---	28.14
EXP-1	04/07/03	78.44	---	50.28	---	28.16
EXP-1	07/30/03	78.44	---	51.42	---	27.02
EXP-1	10/06/03	78.44	---	51.77	---	26.67
EXP-1	10/06/03	78.44	---	51.76	---	26.68
EXP-1	01/27/04	78.44	---	51.25	---	27.19
EXP-1	04/19/04	78.44	---	51.09	---	27.35
EXP-1	04/19/04	78.44	---	51.09	---	27.35
EXP-1	07/19/04	78.44	---	52.91	---	25.53
EXP-1	11/01/04	78.44	---	54.14	---	24.3
EXP-1	02/01/05	78.44	---	52.9	---	25.54
EXP-1	05/02/05	78.44	---	51.77	---	26.67
EXP-1	05/02/05	78.44	---	51.91	---	26.53
EXP-1	08/01/05	78.44	---	52.61	---	25.83
EXP-1	10/31/05	78.44	---	52.59	---	25.85
EXP-1	02/27/06	78.44	---	50.28	---	28.16
EXP-1	03/06/06	78.44	---	50.63	---	27.81
EXP-1	05/01/06	78.44	---	49.7	---	28.74
EXP-1	05/01/06	78.44	---	49.3	---	29.14
EXP-1	08/26/06	78.44	---	50.53	---	27.91
EXP-1	09/18/06	78.44	---	50.56	---	27.88
EXP-1	12/01/06	78.44	---	50.74	---	27.7



**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
EXP-1	12/04/06	78.44	---	50.28	---	28.16
EXP-1	03/12/07	78.44	---	48.91	---	29.53
EXP-1	03/21/07	78.44	---	48.82	---	29.62
EXP-1	04/27/07	78.44	---	49.2	---	29.24
EXP-1	04/30/07	78.44	---	48.85	---	29.59
EXP-1	08/28/07	78.44	---	51.38	---	27.06
EXP-1	08/28/07	78.44	---	51.38	---	27.06
EXP-1	11/12/07	78.44	---	52.27	---	26.17
EXP-1	11/12/07	78.44	---	52.37	---	26.07
EXP-1	02/05/08	78.44	---	52.15	---	26.29
EXP-1	02/19/08	78.44	---	51.63	---	26.81
EXP-1	04/11/08	78.44	---	51.51	---	26.93
EXP-1	04/14/08	78.44	---	51.4	---	27.04
EXP-1	07/24/08	78.44	---	52.92	---	25.52
EXP-1	08/11/08	78.44	---	53.21	---	25.23
EXP-1	10/13/08	78.44	---	53.75	---	24.69
EXP-1	10/14/08	78.44	---	53.75	---	24.69
EXP-1	02/09/09	78.44	---	52.56	---	25.88
EXP-1	04/20/09	78.44	---	53.41	---	25.03
EXP-1	04/20/09	78.44	---	53.41	---	25.03
EXP-1	07/16/09	78.44	---	55.06	---	23.38
EXP-1	07/20/09	78.44	---	54.83	---	23.61
EXP-1	10/19/09	78.44	---	55.86	---	22.58
EXP-1	10/19/09	78.44	---	55.86	---	22.58
EXP-1	01/11/10	78.44	---	55.8	---	22.64
EXP-1	03/15/10	78.44	---	55.01	---	23.43
EXP-1	04/07/10	78.44	---	55.29	---	23.15
EXP-1	04/12/10	78.44	---	55.24	---	23.2
EXP-1	05/24/10	78.44	---	55.38	---	23.06
EXP-1	05/28/10	78.44	---	55.4	---	23.04
EXP-1	10/04/10	78.44	---	56.44	---	22
EXP-1	01/06/11	78.44	---	54.99	---	23.45
EXP-1	01/10/11	78.44	---	54.77	---	23.67
EXP-1	04/07/11	78.44	---	53.67	---	24.77
EXP-1	04/11/11	78.44	---	53.98	---	24.46
EXP-1	07/07/11	78.44	---	53.65	---	24.79
EXP-1	07/11/11	78.44	---	53.51	---	24.93
EXP-1	10/06/11	78.44	---	54.13	---	24.31
EXP-1	10/10/11	78.44	---	53.75	---	24.69
EXP-1	01/09/12	78.44	---	52.67	---	25.77
EXP-1	01/09/12	78.44	---	52.67	---	25.77
EXP-1	04/16/12	78.44	---	52.29	---	26.15
EXP-1	04/16/12	78.44	---	52.29	---	26.15
EXP-1	07/09/12	78.44	---	52.69	---	25.75
EXP-1	10/15/12	78.44	---	53.63	---	24.81
EXP-1	01/10/13	78.44	---	52.78	---	25.66
EXP-1	01/14/13	78.44	---	52.99	---	25.45
EXP-1	04/03/13	78.44	---	52.91	---	25.53
EXP-1	04/08/13	78.44	---	52.57	---	25.87
EXP-1	04/08/13	78.44	---	52.51	---	25.93
EXP-1	10/01/13	78.44	---	55.34	---	23.1
EXP-1	10/07/13	78.44	---	55.41	---	23.03
EXP-2	05/28/96	79.43	---	47.58	---	31.85
EXP-2	11/20/96	79.43	---	48.2	---	31.23
EXP-2	07/01/97	79.43	---	47.19	---	32.24
EXP-2	12/31/97	79.43	---	46.33	---	33.1
EXP-2	05/01/98	79.43	---	44.4	---	35.03
EXP-2	05/04/99	79.43	---	44.05	---	35.38
EXP-2	05/25/99	79.43	---	44.85	---	34.58

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**

*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
EXP-2	07/21/99	79.43	---	46.67	---	32.76
EXP-2	08/09/99	79.43	---	47.02	---	32.41
EXP-2	09/23/99	79.43	---	48.9	---	30.53
EXP-2	10/12/99	79.43	---	48.93	---	30.5
EXP-2	11/15/99	79.43	---	47.76	---	31.67
EXP-2	12/21/99	79.43	---	47.03	---	32.4
EXP-2	01/20/00	79.43	---	46.85	---	32.58
EXP-2	02/28/00	79.43	---	46.39	---	33.04
EXP-2	03/28/00	79.43	---	46.15	---	33.28
EXP-2	04/20/00	79.43	---	46.69	---	32.74
EXP-2	05/15/00	79.43	---	47.04	---	32.39
EXP-2	05/15/00	79.43	---	47.05	---	32.38
EXP-2	06/30/00	79.43	---	48.01	---	31.42
EXP-2	08/28/00	79.43	---	48.96	---	30.47
EXP-2	11/13/00	79.43	---	48.71	---	30.72
EXP-2	11/13/00	79.43	---	48.74	---	30.69
EXP-2	02/05/01	79.43	---	47.83	---	31.6
EXP-2	05/07/01	79.43	---	47.61	---	31.82
EXP-2	05/07/01	79.43	---	47.58	---	31.85
EXP-2	09/18/01	79.43	---	49.75	---	29.68
EXP-2	11/05/01	79.43	---	49.6	---	29.83
EXP-2	01/29/02	79.43	---	48.56	---	30.87
EXP-2	04/08/02	79.43	---	48.72	---	30.71
EXP-2	04/08/02	79.43	---	48.63	---	30.8
EXP-2	07/29/02	79.43	---	50.9	---	28.53
EXP-2	10/21/02	79.43	---	51.51	---	27.92
EXP-2	10/21/02	79.43	---	51.46	---	27.97
EXP-2	01/27/03	79.43	---	49.29	---	30.14
EXP-2	04/07/03	79.43	---	49.95	---	29.48
EXP-2	04/07/03	79.43	---	50.05	---	29.38
EXP-2	07/30/03	79.43	---	51.15	---	28.28
EXP-2	10/06/03	79.43	---	51.62	---	27.81
EXP-2	10/06/03	79.43	---	51.62	---	27.81
EXP-2	01/27/04	79.43	---	51.09	---	28.34
EXP-2	04/19/04	79.43	---	50	---	29.43
EXP-2	04/19/04	79.43	---	51.08	---	28.35
EXP-2	07/19/04	79.43	---	52.9	---	26.53
EXP-2	11/01/04	79.43	---	53.98	---	25.45
EXP-2	02/01/05	79.43	---	52.89	---	26.54
EXP-2	05/02/05	79.43	---	51.87	---	27.56
EXP-2	05/02/05	79.43	---	51.75	---	27.68
EXP-2	08/01/05	79.43	---	52.65	---	26.78
EXP-2	10/31/05	79.43	---	52.55	---	26.88
EXP-2	02/27/06	79.43	---	50.3	---	29.13
EXP-2	05/01/06	79.43	---	49.31	---	30.12
EXP-2	05/01/06	79.43	---	49.69	---	29.74
EXP-2	09/18/06	79.43	---	51.53	---	27.9
EXP-2	12/01/06	79.43	---	50.6	---	28.83
EXP-2	12/04/06	79.43	---	50.19	---	29.24
EXP-2	03/12/07	79.43	---	48.92	---	30.51
EXP-2	04/30/07	79.43	---	49.31	---	30.12
EXP-2	04/30/07	79.43	---	48.87	---	30.56
EXP-2	08/28/07	79.43	---	51.31	---	28.12
EXP-2	11/12/07	79.43	---	52.27	---	27.16
EXP-2	11/12/07	79.43	---	52.27	---	27.16
EXP-2	02/19/08	79.43	---	51.49	---	27.94
EXP-2	04/11/08	79.43	---	51.46	---	27.97
EXP-2	04/14/08	79.43	---	51.35	---	28.08
EXP-2	07/24/08	79.43	---	53.08	---	26.35

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**

*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
EXP-2	08/11/08	79.43	---	53.28	---	26.15
EXP-2	10/13/08	79.43	---	53.76	---	25.67
EXP-2	10/14/08	79.43	---	53.76	---	25.67
EXP-2	02/09/09	79.43	---	52.81	---	26.62
EXP-2	04/20/09	79.43	---	54.83	---	24.6
EXP-2	04/20/09	79.43	---	54.83	---	24.6
EXP-2	07/16/09	79.43	---	54.91	---	24.52
EXP-2	07/20/09	79.43	---	54.91	---	24.52
EXP-2	10/19/09	79.43	---	55.9	---	23.53
EXP-2	10/19/09	79.43	---	55.9	---	23.53
EXP-2	01/11/10	79.43	---	55.93	---	23.5
EXP-2	03/15/10	79.43	---	55.22	---	24.21
EXP-2	04/07/10	79.43	---	55.52	---	23.91
EXP-2	04/12/10	79.43	---	55.82	---	23.61
EXP-2	05/24/10	79.43	---	55.66	---	23.77
EXP-2	05/28/10	79.43	---	55.69	---	23.74
EXP-2	10/04/10	79.43	---	56.65	---	22.78
EXP-2	01/06/11	79.43	---	55.48	---	23.95
EXP-2	01/10/11	79.43	---	55.18	---	24.25
EXP-2	04/06/11	79.43	---	54.07	---	25.36
EXP-2	04/11/11	79.43	---	54.44	---	24.99
EXP-2	07/07/11	79.43	---	54.18	---	25.25
EXP-2	07/11/11	79.43	---	53.94	---	25.49
EXP-2	10/06/11	79.43	---	54.26	---	25.17
EXP-2	10/10/11	79.43	---	53.21	---	26.22
EXP-2	01/09/12	79.43	---	52.98	---	26.45
EXP-2	01/09/12	79.43	---	52.98	---	26.45
EXP-2	04/16/12	79.43	---	52.63	---	26.8
EXP-2	04/16/12	79.43	---	52.63	---	26.8
EXP-2	07/09/12	79.43	---	53.08	---	26.35
EXP-2	10/15/12	79.43	---	53.96	---	25.47
EXP-2	01/10/13	79.43	---	53.22	---	26.21
EXP-2	01/14/13	79.43	---	53.02	---	26.41
EXP-2	04/02/13	79.43	---	53.33	---	26.1
EXP-2	04/08/13	79.43	---	52.97	---	26.46
EXP-2	04/08/13	79.43	---	52.97	---	26.46
EXP-2	10/01/13	79.43	---	55.89	---	23.54
EXP-2	10/07/13	79.43	---	55.88	---	23.55
EXP-3	05/28/96	77.58	---	47.4	---	30.18
EXP-3	11/20/96	77.58	---	48.25	---	29.33
EXP-3	07/01/97	77.58	---	47.15	---	30.43
EXP-3	12/31/97	77.58	---	46.21	---	31.37
EXP-3	05/01/98	77.58	---	44.19	---	33.39
EXP-3	05/04/99	77.58	---	43.88	---	33.7
EXP-3	05/26/99	77.58	---	44.72	---	32.86
EXP-3	08/09/99	77.58	---	46.98	---	30.6
EXP-3	09/23/99	77.58	---	47.78	---	29.8
EXP-3	10/12/99	77.58	---	47.76	---	29.82
EXP-3	11/15/99	77.58	---	47.65	---	29.93
EXP-3	12/21/99	77.58	---	46.85	---	30.73
EXP-3	01/20/00	77.58	---	46.57	---	31.01
EXP-3	02/28/00	77.58	---	46.01	---	31.57
EXP-3	03/28/00	77.58	---	45.79	---	31.79
EXP-3	04/20/00	77.58	---	46.35	---	31.23
EXP-3	05/15/00	77.58	---	46.68	---	30.9
EXP-3	05/15/00	77.58	---	46.63	---	30.95
EXP-3	06/30/00	77.58	---	47.75	---	29.83
EXP-3	08/28/00	77.58	---	48.77	---	28.81
EXP-3	11/13/00	77.58	---	48.41	---	29.17

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
EXP-3	11/13/00	77.58	---	48.51	---	29.07
EXP-3	02/05/01	77.58	---	47.58	---	30
EXP-3	05/07/01	77.58	---	47.29	---	30.29
EXP-3	05/07/01	77.58	---	47.26	---	30.32
EXP-3	09/18/01	77.58	---	49.46	---	28.12
EXP-3	11/05/01	77.58	---	49.32	---	28.26
EXP-3	01/29/02	77.58	---	48.19	---	29.39
EXP-3	04/08/02	77.58	---	48.21	---	29.37
EXP-3	04/08/02	77.58	---	48.25	---	29.33
EXP-3	07/29/02	77.58	---	50.59	---	26.99
EXP-3	10/21/02	77.58	---	51.11	---	26.47
EXP-3	10/21/02	77.58	---	51.16	---	26.42
EXP-3	01/27/03	77.58	---	48.62	---	28.96
EXP-3	04/07/03	77.58	---	49.55	---	28.03
EXP-3	04/07/03	77.58	---	49.46	---	28.12
EXP-3	07/30/03	77.58	---	50.59	---	26.99
EXP-3	10/06/03	77.58	---	50.95	---	26.63
EXP-3	10/06/03	77.58	---	51.01	---	26.57
EXP-3	01/27/04	77.58	---	50.35	---	27.23
EXP-3	04/19/04	77.58	---	50.19	---	27.39
EXP-3	04/19/04	77.58	---	50.22	---	27.36
EXP-3	07/19/04	77.58	---	52.19	---	25.39
EXP-3	11/01/04	77.58	---	53.26	---	24.32
EXP-3	02/01/05	77.58	---	51.94	---	25.64
EXP-3	05/02/05	77.58	---	50.9	---	26.68
EXP-3	05/02/05	77.58	---	49.83	---	27.75
EXP-3	08/01/05	77.58	---	51.82	---	25.76
EXP-3	10/31/05	77.58	---	51.71	---	25.87
EXP-3	02/27/06	77.58	---	49.29	---	28.29
EXP-3	05/01/06	77.58	---	48.74	---	28.84
EXP-3	05/01/06	77.58	---	48.31	---	29.27
EXP-3	09/18/06	77.58	---	50.14	---	27.44
EXP-3	12/01/06	77.58	---	49.74	---	27.84
EXP-3	12/04/06	77.58	---	49.41	---	28.17
EXP-3	03/12/07	77.58	---	47.95	---	29.63
EXP-3	04/30/07	77.58	---	47.86	---	29.72
EXP-3	04/30/07	77.58	---	48.31	---	29.27
EXP-3	08/28/07	77.58	---	50.61	---	26.97
EXP-3	11/12/07	77.58	---	51.56	---	26.02
EXP-3	11/12/07	77.58	---	51.57	---	26.01
EXP-3	02/05/08	77.58	---	51.23	---	26.35
EXP-3	02/19/08	77.58	---	50.7	---	26.88
EXP-3	04/14/08	77.58	---	50.63	---	26.95
EXP-3	04/14/08	77.58	---	50.6	---	26.98
EXP-3	07/24/08	77.58	---	52.78	---	24.8
EXP-3	08/11/08	77.58	---	52.45	---	25.13
EXP-3	10/13/08	77.58	---	52.97	---	24.61
EXP-3	10/14/08	77.58	---	52.97	---	24.61
EXP-3	02/10/09	77.58	---	52.16	---	25.42
EXP-3	04/20/09	77.58	---	52.97	---	24.61
EXP-3	04/20/09	77.58	---	52.97	---	24.61
EXP-3	07/16/09	77.58	---	54.02	---	23.56
EXP-3	07/20/09	77.58	---	53.93	---	23.65
EXP-3	10/19/09	77.58	---	55.4	---	22.18
EXP-3	10/19/09	77.58	---	55.4	---	22.18
EXP-3	01/11/10	77.58	---	54.51	---	23.07
EXP-3	03/15/10	77.58	---	54.1	---	23.48
EXP-3	04/07/10	77.58	---	54.36	---	23.22
EXP-3	04/12/10	77.58	---	54.82	---	22.76

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
EXP-3	05/24/10	77.58	---	54.54	---	23.04
EXP-3	05/28/10	77.58	---	54.51	---	23.07
EXP-3	10/04/10	77.58	---	55.42	---	22.16
EXP-3	01/08/11	77.58	---	53.91	---	23.67
EXP-3	01/10/11	77.58	---	53.88	---	23.7
EXP-3	04/07/11	77.58	---	52.66	---	24.92
EXP-3	04/11/11	77.58	---	52.92	---	24.66
EXP-3	07/08/11	77.58	---	52.73	---	24.85
EXP-3	07/11/11	77.58	---	52.54	---	25.04
EXP-3	10/06/11	77.58	---	53.23	---	24.35
EXP-3	10/10/11	77.58	---	52.74	---	24.84
EXP-3	01/09/12	77.58	---	51.67	---	25.91
EXP-3	01/09/12	77.58	---	51.67	---	25.91
EXP-3	04/16/12	77.58	---	51.34	---	26.24
EXP-3	04/16/12	77.58	---	51.34	---	26.24
EXP-3	07/09/12	77.58	---	51.87	---	25.71
EXP-3	08/29/12	77.58	---	52.69	---	24.89
EXP-3	10/15/12	77.58	---	52.8	---	24.78
EXP-3	01/11/13	77.58	---	51.94	---	25.64
EXP-3	01/14/13	77.58	---	51.7	---	25.88
EXP-3	04/03/13	77.58	---	52.01	---	25.57
EXP-3	04/08/13	77.58	---	51.65	---	25.93
EXP-3	04/08/13	77.58	---	51.65	---	25.93
EXP-3	10/02/13	77.58	---	54.61	---	22.97
EXP-3	10/07/13	77.58	---	54.62	---	22.96
EXP-4	02/03/99	79.81	---	43.49	---	36.32
EXP-4	05/04/99	79.81	---	43.43	---	36.38
EXP-4	07/21/99	79.81	---	46.03	---	33.78
EXP-4	08/09/99	79.81	---	46.49	---	33.32
EXP-4	09/23/99	79.81	---	47.29	---	32.52
EXP-4	10/12/99	79.81	---	47.3	---	32.51
EXP-4	11/15/99	79.81	---	47.18	---	32.63
EXP-4	12/21/99	79.81	---	46.42	---	33.39
EXP-4	01/20/00	79.81	---	46.29	---	33.52
EXP-4	02/28/00	79.81	---	45.89	---	33.92
EXP-4	03/28/00	79.81	---	45.61	---	34.2
EXP-4	04/20/00	79.81	---	46.12	---	33.69
EXP-4	05/15/00	79.81	---	46.39	---	33.42
EXP-4	06/30/00	79.81	---	47.42	---	32.39
EXP-4	08/28/00	79.81	---	48.35	---	31.46
EXP-4	11/13/00	79.81	---	48.15	---	31.66
EXP-4	02/05/01	79.81	---	47.26	---	32.55
EXP-4	05/07/01	79.81	---	47.01	---	32.8
EXP-4	09/18/01	79.81	---	49.1	---	30.71
EXP-4	11/05/01	79.81	---	48.97	---	30.84
EXP-4	01/29/02	79.81	---	47.97	---	31.84
EXP-4	04/08/02	79.81	---	48.01	---	31.8
EXP-4	10/21/02	79.81	---	51.45	---	28.36
EXP-4	04/07/03	79.81	---	49.51	---	30.3
EXP-4	10/06/03	79.81	---	51.14	---	28.67
EXP-4	01/11/04	79.81	---	53.61	---	26.2
EXP-4	04/19/04	79.81	---	50.59	---	29.22
EXP-4	05/02/05	79.81	---	51.43	---	28.38
EXP-4	10/31/05	79.81	---	49.21	---	30.6
EXP-4	05/01/06	79.81	---	49	---	30.81
EXP-4	09/18/06	79.81	---	49.73	---	30.08
EXP-4	12/04/06	79.81	---	44.51	---	35.3
EXP-4	04/30/07	79.81	---	48.59	---	31.22
EXP-4	11/12/07	79.81	---	51.35	---	28.46

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**

*Defense Fuel Support Point, Norwalk, California*

<b>Well</b>	<b>Date</b>	<b>Top of Casing Elevation (feet msl)</b>	<b>Depth to Product (feet btoc)</b>	<b>Depth to Water (feet btoc)</b>	<b>Apparent Product Thickness (feet)</b>	<b>Groundwater Elevation (feet msl)</b>
EXP-4	04/14/08	79.81	---	50.95	---	28.86
EXP-4	10/13/08	79.81	---	53.29	---	26.52
EXP-4	04/20/09	79.81	---	53.54	---	26.27
EXP-4	07/20/09	79.81	---	54.51	---	25.3
EXP-4	10/19/09	79.81	---	55.42	---	24.39
EXP-4	05/24/10	79.81	---	55.1	---	24.71
EXP-4	05/28/10	79.81	---	55.1	---	24.71
EXP-4	10/04/10	79.81	---	56.23	---	23.58
EXP-4	04/11/11	79.81	---	54.1	---	25.71
EXP-4	10/10/11	79.81	---	53.93	---	25.88
EXP-4	04/16/12	79.81	---	52.49	---	27.32
EXP-4	07/09/12	79.81	---	NM	---	NC
EXP-4	10/15/12	79.81	---	53.74	---	26.07
EXP-4	04/08/13	79.81	---	52.51	---	27.3
EXP-4	10/07/13	79.81	---	55.62	---	24.19
EXP-5	02/03/99	72.41	---	39.5	---	32.91
EXP-5	05/03/99	72.41	---	39.3	---	33.11
EXP-5	07/21/99	72.41	---	42.1	---	30.31
EXP-5	08/09/99	72.41	---	42.6	---	29.81
EXP-5	09/23/99	72.41	---	43.41	---	29
EXP-5	10/12/99	72.41	---	43.39	---	29.02
EXP-5	11/15/99	72.41	---	43.21	---	29.2
EXP-5	12/21/99	72.41	---	42.3	---	30.11
EXP-5	01/20/00	72.41	---	42.07	---	30.34
EXP-5	02/28/00	72.41	---	41.45	---	30.96
EXP-5	03/28/00	72.41	---	41.2	---	31.21
EXP-5	04/20/00	72.41	---	41.78	---	30.63
EXP-5	05/15/00	72.41	---	42.16	---	30.25
EXP-5	06/30/00	72.41	---	43.26	---	29.15
EXP-5	08/28/00	72.41	---	44.32	---	28.09
EXP-5	11/13/00	72.41	---	44.02	---	28.39
EXP-5	02/05/01	72.41	---	42.95	---	29.46
EXP-5	05/07/01	72.41	---	43.46	---	28.95
EXP-5	09/18/01	72.41	---	45.01	---	27.4
EXP-5	11/05/01	72.41	---	44.81	---	27.6
EXP-5	01/29/02	72.41	---	43.55	---	28.86
EXP-5	04/08/02	72.41	---	43.72	---	28.69
EXP-5	07/29/02	72.41	---	46.12	---	26.29
EXP-5	10/21/02	72.41	---	46.61	---	25.8
EXP-5	01/27/03	72.41	---	43.89	---	28.52
EXP-5	04/07/03	72.41	---	44.7	---	27.71
EXP-5	07/30/03	72.41	---	45.89	---	26.52
EXP-5	10/06/03	72.41	---	46.35	---	26.06
EXP-5	01/11/04	72.41	---	48.53	---	23.88
EXP-5	01/27/04	72.41	---	45.57	---	26.84
EXP-5	04/19/04	72.41	---	45.41	---	27
EXP-5	07/19/04	72.41	---	47.55	---	24.86
EXP-5	02/01/05	72.41	---	47.07	---	25.34
EXP-5	05/02/05	72.41	---	45.81	---	26.6
EXP-5	08/01/05	72.41	---	45.37	---	27.04
EXP-5	10/31/05	72.41	---	46.83	---	25.58
EXP-5	02/27/06	72.41	---	47.21	---	25.2
EXP-5	05/01/06	72.41	---	43.34	---	29.07
EXP-5	09/18/06	72.41	---	44.88	---	27.53
EXP-5	12/04/06	72.41	---	49.73	---	22.68
EXP-5	03/12/07	72.41	---	43.02	---	29.39
EXP-5	04/30/07	72.41	---	43.02	---	29.39
EXP-5	08/28/07	72.41	---	45.86	---	26.55
EXP-5	11/12/07	72.41	---	46.37	---	26.04

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
EXP-5	02/19/08	72.41	---	45.9	---	26.51
EXP-5	04/14/08	72.41	---	45.73	---	26.68
EXP-5	08/11/08	72.41	---	47.68	---	24.73
EXP-5	10/13/08	72.41	---	48.19	---	24.22
EXP-5	04/20/09	72.41	---	47.86	---	24.55
EXP-5	07/20/09	72.41	---	49.1	---	23.31
EXP-5	10/19/09	72.41	---	50.61	---	21.8
EXP-5	03/15/10	72.41	---	49.02	---	23.39
EXP-5	05/24/10	72.41	---	49.54	---	22.87
EXP-5	05/28/10	72.41	---	49.49	---	22.92
EXP-5	10/04/10	72.41	---	50.35	---	22.06
EXP-5	01/10/11	72.41	---	48.69	---	23.72
EXP-5	04/11/11	72.41	---	49.82	---	22.59
EXP-5	07/11/11	72.41	---	47.42	---	24.99
EXP-5	10/10/11	72.41	---	49.58	---	22.83
EXP-5	01/09/12	72.41	---	46.53	---	25.88
EXP-5	04/16/12	72.41	---	46.21	---	26.2
EXP-5	07/09/12	72.41	---	46.88	---	25.53
EXP-5	10/15/12	72.41	---	47.78	---	24.63
EXP-5	01/14/13	72.41	---	46.64	---	25.77
EXP-5	04/08/13	72.41	---	46.58	---	25.83
EXP-5	10/07/13	72.41	---	50.13	---	22.28
GMW-1	05/28/96	74.77	---	26.93	---	47.84
GMW-1	11/20/96	74.77	---	27.73	---	47.04
GMW-1	07/01/97	74.77	---	27.97	---	46.8
GMW-1	12/31/97	74.77	---	27.85	---	46.92
GMW-1	05/01/98	74.77	---	24.77	---	50
GMW-1	05/04/99	74.77	---	25.75	---	49.02
GMW-1	08/09/99	74.77	---	26.24	---	48.53
GMW-1	11/15/99	74.77	---	26.39	---	48.38
GMW-1	05/15/00	74.77	---	26.26	---	48.51
GMW-1	11/13/00	74.77	---	26.95	---	47.82
GMW-1	05/07/01	74.77	---	25.5	---	49.27
GMW-1	11/05/01	74.77	---	25.53	---	49.24
GMW-1	04/08/02	74.77	---	26.1	---	48.67
GMW-1	10/21/02	74.77	---	26.82	---	47.95
GMW-1	04/07/03	74.77	---	26.17	---	48.6
GMW-1	07/30/03	74.77	---	26.11	---	48.66
GMW-1	10/06/03	74.77	---	26.22	---	48.55
GMW-1	01/11/04	74.77	---	27.59	---	47.18
GMW-1	01/27/04	74.77	---	26.57	---	48.2
GMW-1	04/19/04	74.77	---	27.25	---	47.52
GMW-1	07/19/04	74.77	---	26.84	---	47.93
GMW-1	02/01/05	74.77	---	25.79	---	48.98
GMW-1	05/02/05	74.77	---	20.84	---	53.93
GMW-1	08/01/05	74.77	---	21.92	---	52.85
GMW-1	10/31/05	74.77	---	26.96	---	47.81
GMW-1	02/27/06	74.77	---	23.15	---	51.62
GMW-1	05/01/06	74.77	---	23.3	---	51.47
GMW-1	09/18/06	74.77	---	23.7	---	51.07
GMW-1	12/04/06	74.77	---	24.06	---	50.71
GMW-1	03/12/07	74.77	---	24.18	---	50.59
GMW-1	04/30/07	74.77	---	23.21	---	51.56
GMW-1	08/28/07	74.77	---	19.7	---	55.07
GMW-1	11/12/07	74.77	---	23.7	---	51.07
GMW-1	02/19/08	74.77	---	25.2	---	49.57
GMW-1	04/14/08	74.77	---	25.12	---	49.65
GMW-1	10/13/08	74.77	---	25.84	---	48.93
GMW-1	04/20/09	74.77	---	26.18	---	48.59

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-1	10/19/09	74.77	---	27.52	---	47.25
GMW-1	05/24/10	74.77	---	26.95	---	47.82
GMW-1	05/28/10	74.77	---	26.91	---	47.86
GMW-1	10/04/10	74.77	---	26.95	---	47.82
GMW-1	01/10/11	74.77	---	28.22	---	46.55
GMW-1	04/11/11	74.77	---	25.98	---	48.79
GMW-1	07/11/11	74.77	---	NM	---	NC
GMW-1	10/10/11	74.77	---	26.15	---	48.62
GMW-1	01/09/12	74.77	---	26.68	---	48.09
GMW-1	04/16/12	74.77	---	28.03	---	46.74
GMW-1	07/09/12	74.77	---	29.14	---	45.63
GMW-1	10/15/12	74.77	---	29.49	---	45.28
GMW-1	01/14/13	74.77	---	29.54	---	45.23
GMW-1	04/08/13	74.77	---	29.34	---	45.43
GMW-1	10/07/13	74.77	---	30.25	---	44.52
GMW-10	10/21/02	74.67	---	33.71	---	40.96
GMW-10	11/04/02	74.67	26.25	34	7.75	NC
GMW-10	04/07/03	74.67	26.47	26.47	0.23	NC
GMW-10	10/06/03	72.9	26.51	26.72	0.21	NC
GMW-10	01/11/04	74.67	---	NM	---	NC
GMW-10	04/19/04	74.67	---	28.42	---	46.25
GMW-10	05/02/05	74.67	21.16	27.53	6.37	NC
GMW-10	10/31/05	74.67	26.03	26.1	0.07	NC
GMW-10	05/01/06	74.67	23.65	24.18	0.53	NC
GMW-10	12/04/06	74.67	24.38	25.55	1.17	NC
GMW-10	04/30/07	74.67	---	25.9	---	48.77
GMW-10	11/12/07	74.67	25.02	25.82	0.83	NC
GMW-10	04/14/08	74.67	25.38	25.44	0.06	NC
GMW-10	10/13/08	74.67	---	24.16	---	50.51
GMW-10	04/20/09	74.67	---	24.46	---	50.21
GMW-10	10/19/09	74.67	---	27.2	---	47.47
GMW-10	05/24/10	74.67	---	26.72	---	47.95
GMW-10	05/28/10	74.67	---	26.7	---	47.97
GMW-10	10/04/10	74.67	---	27.15	---	47.52
GMW-10	04/11/11	74.67	---	25.21	---	49.46
GMW-10	10/10/11	74.67	---	27.75	---	46.92
GMW-10	04/27/12	74.67	---	28.47	---	46.2
GMW-10	07/09/12	74.67	---	NM	---	NC
GMW-10	10/15/12	74.67	29.02	29.15	0.13	NC
GMW-10	04/08/13	74.67	28.12	33.64	5.52	NC
GMW-10	10/07/13	---	29.32	31.85	2.53	---
GMW-11	05/28/96	72.9	---	25.19	---	47.71
GMW-11	11/20/96	72.9	---	26.35	---	46.55
GMW-11	07/01/97	72.9	---	26.17	---	46.73
GMW-11	12/31/97	72.9	---	26.73	---	46.17
GMW-11	05/01/98	72.9	---	23.37	---	49.53
GMW-11	05/04/99	72.9	---	24.46	---	48.44
GMW-11	11/15/99	72.9	---	25.11	---	47.79
GMW-11	05/15/00	72.9	---	24.96	---	47.94
GMW-11	11/13/00	72.9	---	25.64	---	47.26
GMW-11	05/07/01	72.9	---	23.81	---	49.09
GMW-11	08/07/01	72.9	25.21	27.21	2	NC
GMW-11	11/05/01	72.9	---	23.79	---	49.11
GMW-11	04/08/02	72.9	---	25.62	---	47.28
GMW-11	10/21/02	72.9	---	25.38	---	47.52
GMW-11	04/07/03	72.9	---	24.37	---	48.53
GMW-11	10/06/03	72.9	---	24.67	---	48.23
GMW-11	01/11/04	72.9	---	NM	---	NC
GMW-11	04/19/04	72.9	---	25.16	---	47.74



**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-11	05/02/05	72.9	---	NM	---	NC
GMW-11	05/02/05	72.9	---	NM	---	NC
GMW-11	10/31/05	72.9	---	23.1	---	49.8
GMW-11	05/01/06	72.9	---	22.26	---	50.64
GMW-11	05/09/06	72.9	---	22.09	---	50.81
GMW-11	12/01/06	72.9	---	23.2	---	49.7
GMW-11	04/30/07	72.9	---	23.26	---	49.64
GMW-11	04/30/07	72.9	---	23.32	---	49.58
GMW-11	11/12/07	72.9	---	NM	---	NC
GMW-11	04/14/08	72.9	---	23.75	---	49.15
GMW-11	04/14/08	72.9	---	23.77	---	49.13
GMW-11	10/13/08	72.9	---	24.62	---	48.28
GMW-11	10/14/08	72.9	---	24.82	---	48.08
GMW-11	04/20/09	72.9	---	24.65	---	48.25
GMW-11	10/19/09	72.9	---	25.69	---	47.21
GMW-11	05/24/10	72.9	---	25.45	---	47.45
GMW-11	05/28/10	72.9	---	25.39	---	47.51
GMW-11	10/04/10	72.9	---	25.48	---	47.42
GMW-11	04/11/11	72.9	---	24.14	---	48.76
GMW-11	10/10/11	72.9	---	24.98	---	47.92
GMW-11	04/16/12	72.9	---	26.03	---	46.87
GMW-11	07/09/12	72.9	---	NM	---	NC
GMW-11	10/15/12	72.9	---	27.05	---	45.85
GMW-11	04/08/13	72.9	---	27.92	---	44.98
GMW-12	05/28/96	75.21	27.36	28.02	0.66	NC
GMW-12	11/20/96	75.21	---	28.25	---	46.96
GMW-12	07/01/97	75.21	---	27.65	---	47.56
GMW-12	12/31/97	75.21	---	28.05	---	47.16
GMW-12	05/01/98	75.21	---	25.06	---	50.15
GMW-12	05/25/99	75.21	---	26.17	---	49.04
GMW-12	05/15/00	75.21	---	26.81	---	48.4
GMW-12	11/13/00	75.21	---	27.4	---	47.81
GMW-12	05/07/01	75.21	---	25.65	---	49.56
GMW-12	08/07/01	75.21	25.74	26.15	0.41	NC
GMW-12	04/08/02	75.21	---	26.89	---	48.32
GMW-12	10/21/02	75.21	---	27.4	---	47.81
GMW-12	04/07/03	75.21	---	26.6	---	48.61
GMW-12	04/07/03	75.21	---	26.6	---	48.61
GMW-12	10/06/03	75.21	---	26.45	---	48.76
GMW-12	04/19/04	75.21	---	27.54	---	47.67
GMW-12	11/01/04	75.21	---	27.76	---	47.45
GMW-12	05/02/05	75.21	---	21.2	---	54.01
GMW-12	05/01/06	75.21	---	24.03	---	51.18
GMW-12	12/04/06	75.21	---	25.03	---	50.18
GMW-12	04/30/07	75.21	---	25.51	---	49.7
GMW-12	11/12/07	75.21	---	25.46	---	49.75
GMW-12	04/14/08	75.21	---	25.72	---	49.49
GMW-12	07/24/08	75.21	---	26.06	---	49.15
GMW-12	10/14/08	75.21	---	26.83	---	48.38
GMW-12	02/10/09	75.21	---	26.39	---	48.82
GMW-12	04/20/09	75.21	---	26.38	---	48.83
GMW-12	10/19/09	75.21	---	27.62	---	47.59
GMW-12	04/08/10	75.21	---	27.17	---	48.04
GMW-12	04/12/10	75.21	---	26.83	---	48.38
GMW-12	01/08/11	75.21	---	28.05	---	47.16
GMW-12	04/07/11	75.21	---	26.54	---	48.67
GMW-12	07/08/11	75.21	---	26.57	---	48.64
GMW-12	10/07/11	75.21	---	27.25	---	47.96

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-12	04/12/12	75.21	---	28.38	---	46.83
GMW-12	04/16/12	75.21	---	28.25	---	46.96
GMW-12	01/10/13	75.21	---	29.97	---	45.24
GMW-12	04/03/13	75.21	---	29.88	---	45.33
GMW-12	04/08/13	75.21	---	29.94	---	45.27
GMW-12	10/02/13	75.21	---	30.54	---	44.67
GMW-13	05/28/96	74.17	---	26.91	---	47.26
GMW-13	11/20/96	74.17	---	26.89	---	47.28
GMW-13	07/01/97	74.17	---	25.92	---	48.25
GMW-13	12/31/97	74.17	---	25.58	---	48.59
GMW-13	05/01/98	74.17	---	23.1	---	51.07
GMW-13	05/04/99	74.17	---	24.75	---	49.42
GMW-13	11/15/99	74.17	---	25.65	---	48.52
GMW-13	05/15/00	74.17	---	25.38	---	48.79
GMW-13	11/13/00	74.17	---	26.02	---	48.15
GMW-13	05/07/01	74.17	---	24.28	---	49.89
GMW-13	11/05/01	74.17	---	24.67	---	49.5
GMW-13	02/01/02	74.17	---	24.65	---	49.52
GMW-13	04/08/02	74.17	---	25.4	---	48.77
GMW-13	10/21/02	74.17	---	26.15	---	48.02
GMW-13	04/07/03	74.17	---	25.32	---	48.85
GMW-13	10/06/03	74.17	---	25.13	---	49.04
GMW-13	01/11/04	74.17	---	26.58	---	47.59
GMW-13	04/19/04	74.17	---	26.96	---	47.21
GMW-13	05/02/05	74.17	---	20.54	---	53.63
GMW-13	10/31/05	74.17	---	22.32	---	51.85
GMW-13	05/01/06	74.17	---	22.82	---	51.35
GMW-13	12/04/06	74.17	---	23.75	---	50.42
GMW-13	04/30/07	74.17	---	24.1	---	50.07
GMW-13	11/12/07	74.17	---	24.89	---	49.28
GMW-13	04/14/08	74.17	---	24.6	---	49.57
GMW-13	10/13/08	74.17	---	26.27	---	47.9
GMW-13	04/20/09	74.17	---	25.41	---	48.76
GMW-13	10/19/09	74.17	---	26.45	---	47.72
GMW-13	05/24/10	74.17	---	25.86	---	48.31
GMW-13	05/28/10	74.17	---	25.63	---	48.54
GMW-13	10/04/10	74.17	---	26.41	---	47.76
GMW-13	04/11/11	74.17	---	25.23	---	48.94
GMW-13	10/10/11	74.17	---	25.92	---	48.25
GMW-13	04/16/12	74.17	---	27.09	---	47.08
GMW-13	07/09/12	74.17	---	NM	---	NC
GMW-13	10/15/12	74.17	---	27.89	---	46.28
GMW-13	04/08/13	74.17	---	28.67	---	45.5
GMW-13	10/07/13	74.17	---	29.65	---	44.52
GMW-14	05/04/99	74.72	---	25.37	---	49.35
GMW-14	08/09/99	74.72	---	25.95	---	48.77
GMW-14	11/15/99	74.72	---	26.27	---	48.45
GMW-14	05/15/00	74.72	---	26.02	---	48.7
GMW-14	11/13/00	74.72	---	26.67	---	48.05
GMW-14	05/07/01	74.72	---	24.92	---	49.8
GMW-14	11/05/01	74.72	---	25.28	---	49.44
GMW-14	04/08/02	74.72	---	26	---	48.72
GMW-14	10/21/02	74.72	---	26.79	---	47.93
GMW-14	04/07/03	74.72	---	25.25	---	49.47
GMW-14	10/06/03	74.72	---	25.91	---	48.81
GMW-14	01/11/04	74.72	---	27.21	---	47.51
GMW-14	04/19/04	74.72	---	28.69	---	46.03
GMW-14	05/02/05	74.72	---	21.29	---	53.43

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**

*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-14	10/31/05	74.72	---	22.96	---	51.76
GMW-14	05/01/06	74.72	---	23.44	---	51.28
GMW-14	12/04/06	74.72	---	24.39	---	50.33
GMW-14	04/30/07	74.72	---	24.61	---	50.11
GMW-14	11/12/07	74.72	---	24.55	---	50.17
GMW-14	04/14/08	74.72	---	28.15	---	46.57
GMW-14	10/13/08	74.72	---	27.23	---	47.49
GMW-14	04/20/09	74.72	---	25.97	---	48.75
GMW-14	10/19/09	74.72	---	27.31	---	47.41
GMW-14	05/24/10	74.72	---	NM	---	NC
GMW-14	05/28/10	74.72	---	NM	---	NC
GMW-14	10/04/10	74.72	---	26.99	---	47.73
GMW-14	04/11/11	74.72	---	25.88	---	48.84
GMW-14	10/10/11	74.72	---	26.71	---	48.01
GMW-14	04/16/12	74.72	---	27.98	---	46.74
GMW-14	07/09/12	74.72	---	NM	---	NC
GMW-14	10/15/12	74.72	---	28.91	---	45.81
GMW-14	04/08/13	74.72	---	29.2	---	45.52
GMW-14	10/07/13	74.72	---	30.15	---	44.57
GMW-15	05/28/96	76.21	28.71	29.16	0.45	NC
GMW-15	11/20/96	76.21	---	29.7	---	46.51
GMW-15	07/01/97	76.21	---	29.39	---	46.82
GMW-15	12/31/97	76.21	---	29.4	---	46.81
GMW-15	05/01/98	76.21	---	26.71	---	49.5
GMW-15	05/25/99	76.21	---	27.51	---	48.7
GMW-15	11/15/99	76.21	---	NM	---	NC
GMW-15	05/15/00	76.21	---	28.39	---	47.82
GMW-15	05/15/00	76.21	---	22.59	---	53.62
GMW-15	11/13/00	76.21	---	28.8	---	47.41
GMW-15	11/13/00	76.21	---	27.75	---	48.46
GMW-15	05/07/01	76.21	---	26.6	---	49.61
GMW-15	05/07/01	76.21	---	27.02	---	49.19
GMW-15	04/08/02	76.21	---	28.51	---	47.7
GMW-15	10/21/02	76.21	---	28.49	---	47.72
GMW-15	04/07/03	76.21	---	28.25	---	47.96
GMW-15	10/06/03	76.21	---	28	---	48.21
GMW-15	04/19/04	76.21	---	29.23	---	46.98
GMW-15	11/01/04	76.21	---	28.91	---	47.3
GMW-15	05/02/05	76.21	---	23.85	---	52.36
GMW-15	03/06/06	76.21	---	25.42	---	50.79
GMW-15	05/01/06	76.21	---	25.7	---	50.51
GMW-15	08/26/06	76.21	---	26.05	---	50.16
GMW-15	12/01/06	76.21	---	26.45	---	49.76
GMW-15	03/21/07	76.21	---	26.38	---	49.83
GMW-15	04/27/07	76.21	---	26.9	---	49.31
GMW-15	08/28/07	76.21	---	26.7	---	49.51
GMW-15	11/12/07	76.21	---	27.38	---	48.83
GMW-15	02/05/08	76.21	---	27.78	---	48.43
GMW-15	04/11/08	76.21	---	27.29	---	48.92
GMW-15	07/24/08	76.21	---	27.52	---	48.69
GMW-15	10/13/08	76.21	---	28.36	---	47.85
GMW-15	02/09/09	76.21	---	28.51	---	47.7
GMW-15	04/20/09	76.21	---	28.31	---	47.9
GMW-15	07/16/09	76.21	---	28.32	---	47.89
GMW-15	10/19/09	76.21	---	28.9	---	47.31
GMW-15	04/08/10	76.21	---	28.51	---	47.7
GMW-15	04/12/10	76.21	---	28.24	---	47.97
GMW-15	01/06/11	76.21	---	29.1	---	47.11
GMW-15	04/08/11	76.21	---	27.81	---	48.4

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-15	07/07/11	76.21	---	28.05	---	48.16
GMW-15	10/06/11	76.21	---	28.53	---	47.68
GMW-15	04/12/12	76.21	---	29.75	---	46.46
GMW-15	04/19/12	76.21	---	29.45	---	46.76
GMW-15	01/10/13	76.21	---	30.88	---	45.33
GMW-15	04/02/13	76.21	---	30.82	---	45.39
GMW-15	04/08/13	76.21	---	30.78	---	45.43
GMW-15	10/01/13	76.21	---	31.6	---	44.61
GMW-16	05/28/96	77	---	29.86	---	47.14
GMW-16	11/20/96	77	---	30.6	---	46.4
GMW-16	07/01/97	77	---	31.61	---	45.39
GMW-16	12/31/97	77	---	30.6	---	46.4
GMW-16	05/01/98	77	---	27.73	---	49.27
GMW-16	05/25/99	77	---	28.46	---	48.54
GMW-16	05/15/00	77	---	29.5	---	47.5
GMW-16	11/13/00	77	---	28.67	---	48.33
GMW-16	05/07/01	77	---	28.38	---	48.62
GMW-16	04/08/02	77	---	29.42	---	47.58
GMW-16	10/21/02	77	---	29.15	---	47.85
GMW-16	04/07/03	77	---	29.2	---	47.8
GMW-16	10/06/03	77	---	28.92	---	48.08
GMW-16	04/19/04	77	---	30.03	---	46.97
GMW-16	11/05/04	77	---	29.53	---	47.47
GMW-16	05/02/05	77	---	25.05	---	51.95
GMW-16	03/06/06	77	---	26.35	---	50.65
GMW-16	05/01/06	77	---	26.65	---	50.35
GMW-16	08/26/06	77	---	26.98	---	50.02
GMW-16	12/01/06	77	---	27.31	---	49.69
GMW-16	03/21/07	77	---	27.51	---	49.49
GMW-16	04/27/07	77	---	27.72	---	49.28
GMW-16	08/28/07	77	---	27.99	---	49.01
GMW-16	11/12/07	77	---	28.33	---	48.67
GMW-16	02/05/08	77	---	28.68	---	48.32
GMW-16	04/11/08	77	---	28.13	---	48.87
GMW-16	07/24/08	77	---	28.56	---	48.44
GMW-16	10/13/08	77	---	29.21	---	47.79
GMW-16	02/09/09	77	---	29.18	---	47.82
GMW-16	04/20/09	77	---	30.5	---	46.5
GMW-16	07/16/09	77	---	29.52	---	47.48
GMW-16	10/19/09	77	---	30.24	---	46.76
GMW-16	04/07/10	77	---	29.68	---	47.32
GMW-16	04/12/10	77	---	29.38	---	47.62
GMW-16	01/08/11	77	---	26.47	---	50.53
GMW-16	07/07/11	77	---	29.04	---	47.96
GMW-16	10/06/11	77	---	29.48	---	47.52
GMW-16	04/12/12	77	---	30.53	---	46.47
GMW-16	04/18/12	77	---	30.29	---	46.71
GMW-16	01/11/13	77	---	31.68	---	45.32
GMW-16	04/02/13	77	---	31.66	---	45.34
GMW-16	04/08/13	77	---	31.65	---	45.35
GMW-16	10/02/13	77	---	32.35	---	44.65
GMW-17	05/28/96	74.66	26.65	30.51	3.86	NC
GMW-17	11/20/96	74.66	27.27	31.79	4.52	NC
GMW-17	07/01/97	74.66	27.38	32.71	5.33	NC
GMW-17	12/31/97	74.66	26.92	32.74	5.82	NC
GMW-17	05/01/98	74.66	25.04	25.19	0.15	NC
GMW-17	05/25/99	74.66	---	27.06	---	47.6
GMW-17	05/15/00	74.66	25.13	25.18	0.05	NC
GMW-17	11/13/00	74.66	---	26.52	---	48.14

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-17	05/07/01	74.66	---	25.32	---	49.34
GMW-17	04/08/02	74.66	---	26.7	---	47.96
GMW-17	09/19/02	74.66	27.70	27.89	0.19	NC
GMW-17	10/21/02	74.66	---	27.67	---	46.99
GMW-17	04/07/03	74.66	---	26.6	---	48.06
GMW-17	10/06/03	74.66	---	26.6	---	48.06
GMW-17	04/19/04	74.66	---	25.58	---	49.08
GMW-17	11/01/04	74.66	---	27.51	---	47.15
GMW-17	02/28/05	74.66	---	22.85	---	51.81
GMW-17	05/02/05	74.66	---	21.23	---	53.43
GMW-17	03/06/06	74.66	---	23.76	---	50.9
GMW-17	05/01/06	74.66	---	23.75	---	50.91
GMW-17	08/26/06	74.66	---	24.36	---	50.3
GMW-17	12/01/06	74.66	---	24.86	---	49.8
GMW-17	03/21/07	74.66	---	25.04	---	49.62
GMW-17	04/30/07	74.66	---	25.23	---	49.43
GMW-17	08/28/07	74.66	---	25.42	---	49.24
GMW-17	11/12/07	74.66	---	25.63	---	49.03
GMW-17	02/05/08	74.66	---	26.25	---	48.41
GMW-17	04/11/08	74.66	---	25.1	---	49.56
GMW-17	07/24/08	74.66	---	25.91	---	48.75
GMW-17	10/14/08	74.66	---	26.35	---	48.31
GMW-17	02/10/09	74.66	---	27.05	---	47.61
GMW-17	04/20/09	74.66	---	26	---	48.66
GMW-17	07/16/09	74.66	---	27.15	---	47.51
GMW-17	10/19/09	74.66	---	27.51	---	47.15
GMW-17	04/08/10	74.66	---	25.92	---	48.74
GMW-17	04/12/10	74.66	---	25.83	---	48.83
GMW-17	01/08/11	74.66	---	NM	---	NC
GMW-17	04/08/11	74.66	---	24.04	---	50.62
GMW-17	07/08/11	74.66	---	25.5	---	49.16
GMW-17	10/06/11	74.66	---	26.2	---	48.46
GMW-17	04/12/12	74.66	---	27.94	---	46.72
GMW-17	04/20/12	74.66	---	27.77	---	46.89
GMW-17	01/11/13	74.66	---	29.5	---	45.16
GMW-17	04/03/13	74.66	---	29.38	---	45.28
GMW-17	04/08/13	74.66	---	29.34	---	45.32
GMW-17	10/02/13	74.66	---	30.11	---	44.55
GMW-18	11/20/96	75.36	28.40	32.5	4.1	NC
GMW-18	07/01/97	75.36	27.70	31.5	3.8	NC
GMW-18	12/31/97	75.36	28.01	32.08	4.07	NC
GMW-18	05/01/98	75.36	18.61	24.64	6.03	NC
GMW-18	05/25/99	75.36	25.77	29.48	3.71	NC
GMW-18	05/15/00	75.36	26.28	30.35	4.07	NC
GMW-18	11/18/00	75.36	---	28.77	---	46.59
GMW-18	05/07/01	75.36	24.80	29.7	4.9	NC
GMW-18	04/08/02	75.36	---	27.74	---	47.62
GMW-18	09/19/02	75.36	27.97	28.02	0.05	NC
GMW-18	10/21/02	75.36	---	28.74	---	46.62
GMW-18	04/07/03	75.36	---	27.06	---	48.3
GMW-18	10/06/03	75.36	26.66	27.4	0.74	NC
GMW-18	04/19/04	75.36	---	27.33	---	48.03
GMW-18	11/01/04	75.36	27.27	27.44	0.17	NC
GMW-18	02/28/05	75.36	23.85	23.87	0.02	NC
GMW-18	05/02/05	75.36	---	22.4	---	52.96
GMW-18	03/06/06	75.36	---	24.21	---	51.15
GMW-18	05/01/06	75.36	---	24.5	---	50.86
GMW-18	08/26/06	75.36	---	24.91	---	50.45

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-18	12/01/06	75.36	---	25.2	---	50.16
GMW-18	03/21/07	75.36	---	25.18	---	50.18
GMW-18	04/30/07	75.36	---	25.72	---	49.64
GMW-18	08/28/07	75.36	---	25.62	---	49.74
GMW-18	11/12/07	75.36	---	26.29	---	49.07
GMW-18	02/05/08	75.36	---	26.73	---	48.63
GMW-18	04/14/08	75.36	---	25.91	---	49.45
GMW-18	10/14/08	75.36	---	27	---	48.36
GMW-18	02/10/09	75.36	---	26.5	---	48.86
GMW-18	04/20/09	75.36	---	26.8	---	48.56
GMW-18	07/17/09	75.36	---	27.41	---	47.95
GMW-18	10/19/09	75.36	---	27.91	---	47.45
GMW-18	04/08/10	75.36	---	27.3	---	48.06
GMW-18	04/12/10	75.36	---	27.44	---	47.92
GMW-18	10/01/10	75.36	---	27.8	---	47.56
GMW-18	01/08/11	75.36	---	27.86	---	47.5
GMW-18	04/12/12	75.36	---	28.54	---	46.82
GMW-18	04/20/12	75.36	---	28.45	---	46.91
GMW-18	04/05/13	75.36	29.66	30.33	0.67	NC
GMW-18	04/08/13	75.36	29.64	30.21	0.57	NC
GMW-18	10/02/13	75.36	30.24	32.17	1.93	44.8112
GMW-19	05/28/96	76.83	---	30.39	---	46.44
GMW-19	11/20/96	76.83	---	30.39	---	46.44
GMW-19	07/01/97	76.83	---	29.82	---	47.01
GMW-19	12/31/97	76.83	---	30.08	---	46.75
GMW-19	05/01/98	76.83	---	26.97	---	49.86
GMW-19	05/25/99	76.83	---	28	---	48.83
GMW-19	05/15/00	76.83	---	28.85	---	47.98
GMW-19	11/13/00	76.83	---	28.21	---	48.62
GMW-19	05/07/01	76.83	---	27.44	---	49.39
GMW-19	04/08/02	76.83	---	29.08	---	47.75
GMW-19	09/19/02	76.83	---	28.63	---	48.2
GMW-19	10/21/02	76.83	---	29.22	---	47.61
GMW-19	04/07/03	76.83	---	28.58	---	48.25
GMW-19	10/06/03	76.83	---	28.45	---	48.38
GMW-19	04/19/04	76.83	---	29.44	---	47.39
GMW-19	11/01/04	76.83	---	27.92	---	48.91
GMW-19	02/28/05	76.83	---	25.69	---	51.14
GMW-19	05/02/05	76.83	---	24.47	---	52.36
GMW-19	03/06/06	76.83	---	26.32	---	50.51
GMW-19	05/01/06	76.83	---	26.24	---	50.59
GMW-19	08/26/06	76.83	---	26.64	---	50.19
GMW-19	12/01/06	76.83	---	26.92	---	49.91
GMW-19	03/21/07	76.83	---	27.41	---	49.42
GMW-19	04/30/07	76.83	---	27.48	---	49.35
GMW-19	08/28/07	76.83	---	28	---	48.83
GMW-19	11/12/07	76.83	---	28.04	---	48.79
GMW-19	02/05/08	76.83	---	28.67	---	48.16
GMW-19	04/14/08	76.83	---	27.64	---	49.19
GMW-19	07/24/08	76.83	---	27.97	---	48.86
GMW-19	10/14/08	76.83	---	28.76	---	48.07
GMW-19	02/10/09	76.83	---	27.35	---	49.48
GMW-19	04/20/09	76.83	---	28.71	---	48.12
GMW-19	07/17/09	76.83	---	28.79	---	48.04
GMW-19	10/19/09	76.83	---	29.54	---	47.29
GMW-19	04/08/10	76.83	---	29.05	---	47.78
GMW-19	04/12/10	76.83	---	29.16	---	47.67
GMW-19	01/08/11	76.83	---	NM	---	NC
GMW-19	07/08/11	76.83	---	NM	---	NC

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-19	10/06/11	76.83	---	29.06	---	47.77
GMW-19	04/12/12	76.83	---	30.26	---	46.57
GMW-19	04/18/12	76.83	---	30.09	---	46.74
GMW-19	01/10/13	76.83	---	31.56	---	45.27
GMW-19	04/03/13	76.83	---	31.49	---	45.34
GMW-19	04/08/13	76.83	---	31.6	---	45.23
GMW-19	10/02/13	76.83	---	32.29	---	44.54
GMW-2	05/28/96	73.57	---	26.1	---	47.47
GMW-2	11/20/96	73.57	---	26.77	---	46.8
GMW-2	07/01/97	73.57	---	27.63	---	45.94
GMW-2	12/31/97	73.57	---	26.94	---	46.63
GMW-2	05/01/98	73.57	---	24.02	---	49.55
GMW-2	05/04/99	73.57	---	25.38	---	48.19
GMW-2	08/09/99	73.57	---	25.68	---	47.89
GMW-2	11/15/99	73.57	---	25.49	---	48.08
GMW-2	05/15/00	73.57	---	25.63	---	47.94
GMW-2	11/13/00	73.57	---	26.42	---	47.15
GMW-2	05/07/01	73.57	---	25.65	---	47.92
GMW-2	11/05/01	73.57	---	24.61	---	48.96
GMW-2	04/08/02	73.57	---	25.36	---	48.21
GMW-2	10/21/02	73.57	---	25.91	---	47.66
GMW-2	04/07/03	73.57	---	25.09	---	48.48
GMW-2	10/06/03	73.57	---	25.47	---	48.1
GMW-2	01/11/04	73.57	---	26.76	---	46.81
GMW-2	04/19/04	73.57	---	26.63	---	46.94
GMW-2	05/02/05	73.57	---	21.51	---	52.06
GMW-2	10/31/05	73.57	---	26.42	---	47.15
GMW-2	05/09/06	73.57	---	22.53	---	51.04
GMW-2	12/04/06	73.57	---	23.4	---	50.17
GMW-2	04/30/07	73.57	---	23.61	---	49.96
GMW-2	11/12/07	73.57	---	23.94	---	49.63
GMW-2	04/14/08	73.57	---	24.24	---	49.33
GMW-2	10/13/08	73.57	---	24.95	---	48.62
GMW-2	04/20/09	73.57	---	25	---	48.57
GMW-2	10/19/09	73.57	---	26.22	---	47.35
GMW-2	05/24/10	73.57	---	25.8	---	47.77
GMW-2	05/28/10	73.57	---	25.8	---	47.77
GMW-2	10/04/10	73.57	---	25.95	---	47.62
GMW-2	04/11/11	73.57	---	NM	---	NC
GMW-2	10/10/11	73.57	---	25.17	---	48.4
GMW-2	04/16/12	73.57	---	NM	---	NC
GMW-2	07/09/12	73.57	---	NM	---	NC
GMW-2	10/15/12	73.57	---	NM	---	NC
GMW-2	04/08/13	73.57	---	NM	---	NC
GMW-20	05/28/96	75.1	---	27.65	---	47.45
GMW-20	11/20/96	75.1	---	28.53	---	46.57
GMW-20	07/01/97	75.1	---	28.26	---	46.84
GMW-20	12/31/97	75.1	---	28.23	---	46.87
GMW-20	05/01/98	75.1	---	25.5	---	49.6
GMW-20	05/25/99	75.1	---	26.25	---	48.85
GMW-20	05/15/00	75.1	---	26.95	---	48.15
GMW-20	11/13/00	75.1	---	27.56	---	47.54
GMW-20	05/07/01	75.1	---	25.75	---	49.35
GMW-20	08/07/01	75.1	25.55	26.67	1.12	NC
GMW-20	04/08/02	75.1	---	26.77	---	48.33
GMW-20	10/21/02	75.1	---	27.16	---	47.94
GMW-20	04/07/03	75.1	---	26.62	---	48.48
GMW-20	10/06/03	75.1	---	26.62	---	48.48



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*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-20	04/19/04	75.1	---	27.88	---	47.22
GMW-20	11/01/04	75.1	---	27.79	---	47.31
GMW-20	05/02/05	75.1	---	22.2	---	52.9
GMW-20	05/01/06	75.1	---	24.28	---	50.82
GMW-20	12/01/06	75.1	---	25.17	---	49.93
GMW-20	04/30/07	75.1	---	25.63	---	49.47
GMW-20	11/12/07	75.1	---	26.08	---	49.02
GMW-20	04/14/08	75.1	---	25.74	---	49.36
GMW-20	10/14/08	75.1	---	26.89	---	48.21
GMW-20	10/01/10	75.1	---	27.64	---	47.46
GMW-20	01/08/11	75.1	---	27.81	---	47.29
GMW-20	04/12/12	75.1	---	28.41	---	46.69
GMW-20	10/02/13	75.1	---	30.54	---	44.56
GMW-21	05/28/96	76.23	27.89	33.21	5.32	NC
GMW-21	11/20/96	76.23	28.95	33.05	4.1	NC
GMW-21	07/01/97	76.23	29.13	30.13	1	NC
GMW-21	04/08/02	76.23	---	28.84	---	47.39
GMW-21	10/06/03	76.23	27.90	28.17	0.27	NC
GMW-21	04/19/04	76.23	29.14	29.57	0.43	NC
GMW-21	11/01/04	76.23	28.68	28.91	0.23	NC
GMW-21	05/02/05	76.23	23.79	24.56	0.77	NC
GMW-21	05/01/06	76.23	25.21	26.99	1.78	NC
GMW-21	08/26/06	76.23	25.54	25.79	0.25	NC
GMW-21	12/01/06	76.23	25.99	27.83	1.84	NC
GMW-21	04/27/07	76.23	---	26.41	---	49.82
GMW-21	11/09/07	76.23	27.34	27.37	0.03	NC
GMW-21	02/05/08	76.23	---	27.79	---	48.44
GMW-21	10/13/08	76.23	---	28.18	---	48.05
GMW-21	02/09/09	76.23	---	27.48	---	48.75
GMW-21	07/17/09	76.23	---	28.4	---	47.83
GMW-21	04/07/10	76.23	---	28.81	---	47.42
GMW-21	10/01/10	76.23	---	NM	---	NC
GMW-21	01/06/11	76.23	---	26.85	---	49.38
GMW-21	04/06/11	76.23	---	27.78	---	48.45
GMW-21	07/07/11	76.23	---	27.95	---	48.28
GMW-21	10/06/11	76.23	---	28.41	---	47.82
GMW-21	04/12/12	76.23	---	29.48	---	46.75
GMW-21	01/10/13	76.23	30.43	31.9	1.47	NC
GMW-21	04/02/13	76.23	30.66	30.73	0.07	NC
GMW-21	04/08/13	76.23	30.56	31.05	0.49	NC
GMW-21	10/01/13	76.23	31.32	32	0.68	44.8012
GMW-22	05/28/96	74.17	29.75	34.31	4.56	NC
GMW-22	11/20/96	74.17	29.78	33.02	3.24	NC
GMW-22	07/01/97	74.17	30.91	34.32	3.41	NC
GMW-22	12/31/97	74.17	29.98	33.75	3.77	NC
GMW-22	05/01/98	74.17	19.13	26.55	7.42	NC
GMW-22	08/09/99	74.17	---	NM	---	NC
GMW-22	11/15/99	74.17	---	NM	---	NC
GMW-22	05/15/00	74.17	26.45	30.67	4.22	NC
GMW-22	11/13/00	74.17	28.67	31.82	3.15	NC
GMW-22	05/07/01	74.17	27.88	32.3	4.42	NC
GMW-22	08/07/01	74.17	25.78	29.76	3.98	NC
GMW-22	11/05/01	74.17	25.95	31.05	5.1	NC
GMW-22	04/08/02	74.17	26.55	26.59	0.04	NC
GMW-22	04/07/03	74.17	---	NM	---	NC
GMW-22	05/02/05	74.17	23.09	26.46	3.37	NC
GMW-22	10/31/05	74.17	---	27.8	---	46.37
GMW-22	05/01/06	74.17	24.70	24.94	0.24	NC



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*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-22	12/04/06	74.17	---	25.43	---	NC
GMW-22	04/30/07	74.17	---	25.79	---	48.38
GMW-22	11/12/07	74.17	25.91	26.45	0.54	NC
GMW-22	08/12/08	74.17	---	26.7	---	47.47
GMW-22	10/31/08	74.17	27.04	28.25	1.21	NC
GMW-22	11/04/08	74.17	---	26.97	---	47.2
GMW-22	04/21/09	74.17	27.20	27.3	0.1	NC
GMW-22	10/19/09	74.17	---	NM	---	NC
GMW-22	10/04/10	74.17	---	27.65	---	46.52
GMW-22	04/11/11	74.17	---	26.45	---	47.72
GMW-22	10/10/11	74.17	---	29.68	---	44.49
GMW-22	04/16/12	74.17	---	31.15	---	43.02
GMW-22	07/09/12	---	---	NM	---	NC
GMW-22	10/15/12	74.17	---	31.05	---	43.12
GMW-22	04/08/13	74.17	---	31.92	---	42.25
GMW-22	10/07/13	77.24	31.65	34.28	2.63	45.17
GMW-23	05/28/96	74.85	27.12	28.07	0.95	NC
GMW-23	11/20/96	74.85	26.66	28.42	1.76	NC
GMW-23	07/01/97	74.85	28.99	30.34	1.35	NC
GMW-23	12/31/97	74.85	28.04	28.92	0.88	NC
GMW-23	05/01/98	74.85	25.43	25.44	0.01	NC
GMW-23	05/04/99	74.85	26.65	27.09	0.44	NC
GMW-23	08/09/99	74.85	26.39	28.52	2.13	NC
GMW-23	11/15/99	74.85	26.79	29.6	2.81	NC
GMW-23	05/15/00	74.85	26.90	29.87	2.97	NC
GMW-23	11/13/00	74.85	27.00	31.18	4.18	NC
GMW-23	05/07/01	74.85	28.62	28.63	0.01	NC
GMW-23	08/07/01	74.85	25.54	26.07	0.53	NC
GMW-23	11/05/01	74.85	25.85	26.32	0.47	NC
GMW-23	04/08/02	74.85	26.40	26.81	0.41	NC
GMW-23	10/21/02	74.85	28.07	28.94	0.87	NC
GMW-23	04/07/03	74.85	26.67	26.7	0.03	NC
GMW-23	10/06/03	74.85	26.35	27.32	0.03	NC
GMW-23	01/11/04	74.85	---	NM	---	NC
GMW-23	04/19/04	74.85	26.94	26.95	0.01	NC
GMW-23	05/02/05	74.85	---	23.34	---	51.51
GMW-23	10/31/05	74.85	26.08	26.13	0.05	NC
GMW-23	05/01/06	74.85	---	23.99	---	50.86
GMW-23	12/04/06	74.85	---	24.82	---	50.03
GMW-23	04/30/07	74.85	---	24.98	---	49.87
GMW-23	11/12/07	74.85	---	25.41	---	49.44
GMW-23	04/14/08	74.85	---	25.62	---	49.23
GMW-23	10/13/08	74.85	---	26.21	---	48.64
GMW-23	04/20/09	74.85	---	26.29	---	48.56
GMW-23	10/19/09	74.85	---	27.51	---	47.34
GMW-23	05/24/10	74.85	---	27.32	---	47.53
GMW-23	05/28/10	74.85	---	27.27	---	47.58
GMW-23	10/04/10	74.85	---	27.31	---	47.54
GMW-23	04/11/11	74.85	---	26.4	---	48.45
GMW-23	10/10/11	74.85	---	26.57	---	48.28
GMW-23	04/16/12	74.85	---	28.73	---	46.12
GMW-23	07/09/12	74.85	---	NM	---	NC
GMW-23	10/15/12	74.85	---	28.45	---	46.4
GMW-23	04/08/13	74.85	---	29.31	---	45.54
GMW-23	10/07/13	74.85	---	30.27	---	44.58
GMW-24	08/07/01	74.04	27.80	28.68	0.88	NC
GMW-24	05/02/05	74.04	25.49	25.7	0.21	NC
GMW-24	10/31/05	74.04	26.29	26.34	0.05	NC

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**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-24	05/01/06	74.04	26.07	27.29	1.22	NC
GMW-24	12/04/06	74.04	26.73	27.26	0.53	NC
GMW-24	04/30/07	74.04	---	27.07	---	46.97
GMW-24	11/12/07	74.04	27.46	27.5	0.04	NC
GMW-24	08/12/08	74.04	---	NM	---	NC
GMW-24	10/17/08	74.04	29.90	30.88	0.98	NC
GMW-24	10/21/08	74.04	28.30	29.64	1.34	NC
GMW-24	04/21/09	74.04	---	29.91	---	44.13
GMW-24	10/19/09	74.04	---	NM	---	NC
GMW-24	10/04/10	74.04	---	29.5	---	44.54
GMW-24	04/11/11	74.04	---	28.21	---	45.83
GMW-24	10/10/11	74.04	---	28.78	---	45.26
GMW-24	04/16/12	74.04	30.31	30.49	0.18	NC
GMW-24	07/09/12	---	---	NM	---	NC
GMW-24	04/08/13	74.04	---	NM	---	NC
GMW-24	06/14/13	74.04	32.40	33.35	0.95	NC
GMW-24	10/07/13	77.48	31.61	35.42	3.81	45.26
GMW-25	05/28/96	74.29	27.88	32.71	4.83	NC
GMW-25	11/20/96	74.29	27.75	31.91	4.16	NC
GMW-25	07/01/97	74.29	28.37	34.58	6.21	NC
GMW-25	12/31/97	74.29	27.86	33.59	5.73	NC
GMW-25	05/01/98	74.29	16.76	24.44	7.68	NC
GMW-25	05/04/99	74.29	26.58	30.4	3.82	NC
GMW-25	08/09/99	74.29	26.73	29.99	3.26	NC
GMW-25	11/15/99	74.29	27.75	28.95	1.2	NC
GMW-25	05/15/00	74.29	27.39	28.17	0.78	NC
GMW-25	11/13/00	74.29	27.97	29.52	1.55	NC
GMW-25	05/07/01	74.29	26.27	28.62	2.35	NC
GMW-25	08/07/01	74.29	25.73	28.14	2.41	NC
GMW-25	11/05/01	74.29	26.07	28.4	2.33	NC
GMW-25	04/08/02	74.29	27.00	27.07	0.07	NC
GMW-25	10/21/02	74.29	29.41	29.45	0.04	NC
GMW-25	04/07/03	74.29	---	NM	---	NC
GMW-25	05/02/05	74.29	---	24.78	---	49.51
GMW-25	10/31/05	74.29	25.41	25.47	0.06	NC
GMW-25	05/01/06	74.29	---	25.87	---	48.42
GMW-25	12/04/06	74.29	---	26.65	---	47.64
GMW-25	04/30/07	74.29	---	26.6	---	47.69
GMW-25	11/12/07	74.29	27.25	27.3	0.05	NC
GMW-25	08/12/08	74.29	---	27.81	---	46.48
GMW-25	10/17/08	74.29	---	28.26	---	46.03
GMW-25	04/21/09	74.29	---	28.35	---	45.94
GMW-25	10/19/09	74.29	---	30.28	---	44.01
GMW-25	10/04/10	74.29	---	29.25	---	45.04
GMW-25	04/11/11	74.29	---	26.21	---	48.08
GMW-25	10/10/11	74.29	---	30.02	---	44.27
GMW-25	04/16/12	74.29	---	31.3	---	42.99
GMW-25	07/09/12	---	---	NM	---	NC
GMW-25	10/15/12	74.29	---	31.88	---	42.41
GMW-25	04/08/13	74.29	---	32.11	---	42.18
GMW-25	10/07/13	78.14	33.1	33.23	0.13	45.02
GMW-26	05/28/96	74.45	---	27.2	---	47.25
GMW-26	11/20/96	74.45	---	27.82	---	46.63
GMW-26	07/01/97	74.45	---	29.03	---	45.42
GMW-26	12/31/97	74.45	---	29.14	---	45.31
GMW-26	05/01/98	74.45	---	25.45	---	49
GMW-26	05/04/99	74.45	---	26.52	---	47.93
GMW-26	08/09/99	74.45	---	26.55	---	47.9

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-26	11/15/99	74.45	---	25.46	---	48.99
GMW-26	05/15/00	74.45	---	26.54	---	47.91
GMW-26	11/13/00	74.45	---	27.67	---	46.78
GMW-26	05/07/01	74.45	---	25.84	---	48.61
GMW-26	11/05/01	74.45	---	25.73	---	48.72
GMW-26	04/08/02	74.45	---	26.4	---	48.05
GMW-26	10/21/02	74.45	---	26.82	---	47.63
GMW-26	04/07/03	74.45	---	25.28	---	49.17
GMW-26	07/07/03	74.52	---	26.53	---	47.99
GMW-26	10/06/03	74.52	---	26.3	---	48.22
GMW-26	01/11/04	74.52	---	27.87	---	46.65
GMW-26	01/20/04	74.52	---	26.83	---	47.69
GMW-26	04/19/04	74.52	---	27.91	---	46.61
GMW-26	04/27/04	74.52	---	27.32	---	47.2
GMW-26	06/07/04	74.52	---	27.95	---	46.57
GMW-26	07/08/04	74.52	---	27.72	---	46.8
GMW-26	05/02/05	74.52	---	23.05	---	51.47
GMW-26	10/31/05	74.52	---	23.62	---	50.9
GMW-26	05/22/06	74.52	---	24.14	---	50.38
GMW-26	12/04/06	74.52	---	24.69	---	49.83
GMW-26	04/30/07	74.52	---	24.68	---	49.84
GMW-26	11/12/07	74.52	---	25.06	---	49.46
GMW-26	04/14/08	74.52	---	25.39	---	49.13
GMW-26	10/13/08	74.52	---	25.92	---	48.6
GMW-26	04/20/09	74.52	---	26.12	---	48.4
GMW-26	10/19/09	74.52	---	26.96	---	47.56
GMW-26	05/24/10	74.52	---	27.7	---	46.82
GMW-26	05/28/10	74.52	---	27.47	---	47.05
GMW-26	10/04/10	74.52	---	36.51	---	38.01
GMW-26	04/11/11	74.52	---	27.22	---	47.3
GMW-26	10/10/11	74.52	---	26.38	---	48.14
GMW-26	04/16/12	74.52	---	27.86	---	46.66
GMW-26	07/09/12	74.52	---	NM	---	NC
GMW-26	10/15/12	74.52	---	28.4	---	46.12
GMW-26	04/08/13	74.52	---	28.98	---	45.54
GMW-26	10/07/13	74.52	---	29.94	---	44.58
GMW-27	05/28/96	74.39	---	27	---	47.39
GMW-27	12/31/97	74.39	27.76	28.43	0.67	NC
GMW-27	05/01/98	74.39	---	25.07	---	49.32
GMW-27	05/07/99	74.39	---	26.44	---	47.95
GMW-27	08/09/99	74.39	---	26.46	---	47.93
GMW-27	11/15/99	74.39	---	26.71	---	47.68
GMW-27	05/15/00	74.39	---	26.44	---	47.95
GMW-27	11/13/00	74.39	---	27.52	---	46.87
GMW-27	05/07/01	74.39	---	25.67	---	48.72
GMW-27	08/07/01	74.39	---	25.25	---	49.14
GMW-27	11/05/01	74.39	---	25.65	---	48.74
GMW-27	04/08/02	74.39	---	28.79	---	45.6
GMW-27	10/21/02	74.39	---	26.72	---	47.67
GMW-27	04/07/03	74.39	---	26.13	---	48.26
GMW-27	10/06/03	74.39	---	26.32	---	48.07
GMW-27	01/11/04	74.41	---	27.82	---	46.59
GMW-27	01/27/04	74.39	---	26.52	---	47.87
GMW-27	04/19/04	74.41	---	27.62	---	46.79
GMW-27	04/27/04	74.41	---	27	---	47.41
GMW-27	06/07/04	74.41	---	27.7	---	46.71
GMW-27	07/08/04	74.41	---	27.46	---	46.95
GMW-27	05/02/05	74.41	---	24.01	---	50.4
GMW-27	10/31/05	74.41	---	23.03	---	51.38

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-27	05/09/06	74.41	---	23.51	---	50.9
GMW-27	12/04/06	74.41	---	24.45	---	49.96
GMW-27	04/30/07	74.41	---	24.52	---	49.89
GMW-27	11/12/07	74.41	---	24.9	---	49.51
GMW-27	04/14/08	74.41	---	25.21	---	49.2
GMW-27	08/11/08	74.41	---	29.68	---	44.73
GMW-27	10/13/08	74.41	---	25.81	---	48.6
GMW-27	11/21/08	74.41	---	26.2	---	48.21
GMW-27	04/20/09	74.41	---	26.04	---	48.37
GMW-27	10/19/09	74.41	---	27.39	---	47.02
GMW-27	05/24/10	74.41	---	26.9	---	47.51
GMW-27	05/28/10	74.41	---	26.96	---	47.45
GMW-27	10/04/10	74.41	---	26.95	---	47.46
GMW-27	01/10/11	74.41	---	27.97	---	46.44
GMW-27	04/11/11	74.41	---	26.33	---	48.08
GMW-27	07/11/11	74.41	---	NM	---	NC
GMW-27	10/10/11	74.41	---	26.17	---	48.24
GMW-27	01/09/12	74.41	---	26.84	---	47.57
GMW-27	04/16/12	74.41	---	27.85	---	46.56
GMW-27	07/09/12	74.41	---	27.94	---	46.47
GMW-27	10/15/12	74.41	---	29.05	---	45.36
GMW-27	01/14/13	74.41	---	29.07	---	45.34
GMW-27	04/08/13	74.41	---	28.96	---	45.45
GMW-27	10/07/13	74.41	---	29.45	---	44.96
GMW-28	05/28/96	74.62	---	27.22	---	47.4
GMW-28	11/20/96	74.62	---	27.86	---	46.76
GMW-28	07/01/97	74.62	---	29.03	---	45.59
GMW-28	12/31/97	74.62	28.00	28.65	0.65	NC
GMW-28	05/01/98	74.62	24.77	25.42	0.65	NC
GMW-28	08/09/99	74.62	---	26.64	---	47.98
GMW-28	11/15/99	74.62	---	26.8	---	47.82
GMW-28	11/13/00	74.62	---	27.5	---	47.12
GMW-28	08/07/01	74.62	---	25.47	---	49.15
GMW-28	11/05/01	74.62	---	25.85	---	48.77
GMW-28	04/08/02	74.62	---	26.21	---	48.41
GMW-28	10/21/02	74.62	---	26.96	---	47.66
GMW-28	04/07/03	74.62	---	26.35	---	48.27
GMW-28	07/07/03	74.68	---	26.43	---	48.25
GMW-28	10/06/03	74.62	---	26.31	---	48.31
GMW-28	01/11/04	74.68	---	27.68	---	47
GMW-28	01/20/04	74.68	---	26.85	---	47.83
GMW-28	04/19/04	74.68	---	27.58	---	47.1
GMW-28	04/27/04	74.68	---	27.13	---	47.55
GMW-28	06/07/04	74.68	---	27.7	---	46.98
GMW-28	07/08/04	74.68	---	27.59	---	47.09
GMW-28	05/02/05	74.68	---	23.71	---	50.97
GMW-28	10/31/05	74.68	---	25.16	---	49.52
GMW-28	04/30/07	74.62	---	NM	---	NC
GMW-28	11/12/07	74.62	---	25.16	---	49.46
GMW-28	04/14/08	74.62	---	25.5	---	49.12
GMW-28	11/04/08	74.62	---	26.61	---	48.01
GMW-28	04/20/09	74.68	---	26.18	---	48.5
GMW-28	10/19/09	74.68	---	27.21	---	47.47
GMW-28	05/24/10	74.68	---	27.11	---	47.57
GMW-28	05/28/10	74.68	---	27.12	---	47.56
GMW-28	10/04/10	74.68	---	27.11	---	47.57
GMW-28	04/11/11	74.68	---	29.32	---	45.36
GMW-28	10/10/11	74.68	---	26.41	---	48.27
GMW-28	04/16/12	74.68	---	28.32	---	46.36

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-28	07/09/12	74.68	---	NM	---	NC
GMW-28	10/15/12	74.68	---	28.5	---	46.18
GMW-28	04/08/13	74.68	---	28.99	---	45.69
GMW-28	10/07/13	74.68	---	29.46	---	45.22
GMW-29	05/28/96	74.86	---	NM	0.04	NC
GMW-29	11/20/96	74.86	---	30.6	---	44.26
GMW-29	07/01/97	74.86	---	29.58	---	45.28
GMW-29	12/31/97	74.86	30.91	31.7	0.79	NC
GMW-29	05/01/98	74.86	27.81	28.43	0.62	NC
GMW-29	05/04/99	74.86	---	31.35	---	43.51
GMW-29	08/09/99	74.86	---	28.9	---	45.96
GMW-29	11/15/99	74.86	---	NM	---	NC
GMW-29	05/15/00	74.86	---	NM	---	NC
GMW-29	11/13/00	74.86	---	28.51	---	46.35
GMW-29	11/13/00	74.86	---	31.3	---	43.56
GMW-29	05/07/01	74.86	---	28.64	---	46.22
GMW-29	05/10/01	74.86	---	28.43	---	46.43
GMW-29	08/07/01	74.86	---	28.25	---	46.61
GMW-29	11/05/01	74.86	---	28.46	---	46.4
GMW-29	04/08/02	74.86	---	26.54	---	48.32
GMW-29	10/21/02	74.86	---	26.98	---	47.88
GMW-29	04/07/03	74.86	---	29.2	---	45.66
GMW-29	07/07/03	77.57	---	29.09	---	48.48
GMW-29	10/06/03	74.86	---	29	---	45.86
GMW-29	01/11/04	77.57	---	27.47	---	50.1
GMW-29	01/20/04	77.57	---	29.46	---	48.11
GMW-29	04/19/04	77.57	---	29.94	---	47.63
GMW-29	04/27/04	77.57	---	29.8	---	47.77
GMW-29	06/07/04	77.57	---	29.93	---	47.64
GMW-29	07/08/04	77.57	---	30.06	---	47.51
GMW-29	05/02/05	77.57	---	26.63	---	50.94
GMW-29	10/31/05	77.57	---	25.42	---	52.15
GMW-29	05/01/06	77.57	---	26.64	---	50.93
GMW-29	12/04/06	77.57	---	27.34	---	50.23
GMW-29	04/30/07	77.57	---	27.48	---	50.09
GMW-29	11/12/07	77.57	---	27.95	---	49.62
GMW-29	04/14/08	77.57	---	28.31	---	49.26
GMW-29	04/14/08	77.57	---	29.46	---	48.11
GMW-29	10/13/08	77.57	---	28.72	---	48.85
GMW-29	04/20/09	77.57	---	28.86	---	48.71
GMW-29	10/19/09	77.57	---	29.7	---	47.87
GMW-29	05/24/10	77.57	---	29.92	---	47.65
GMW-29	05/28/10	77.57	---	29.88	---	47.69
GMW-29	10/04/10	77.57	---	27.3	---	50.27
GMW-29	04/11/11	77.57	---	29.52	---	48.05
GMW-29	10/10/11	77.57	---	26.5	---	51.07
GMW-29	04/16/12	77.57	---	28.14	---	49.43
GMW-29	07/09/12	77.57	---	NM	---	NC
GMW-29	10/15/12	77.57	---	28.41	---	49.16
GMW-29	04/08/13	77.57	---	28.95	---	48.62
GMW-29	10/07/13	77.57	---	30.3	---	47.27
GMW-3	11/20/96	75.1	---	27.76	---	47.34
GMW-3	07/01/97	75.1	---	27.02	---	48.08
GMW-3	12/31/97	75.1	---	27.66	---	47.44
GMW-3	05/01/98	75.1	---	34.12	---	40.98
GMW-3	05/04/99	75.1	---	25.69	---	49.41
GMW-3	08/09/99	75.1	---	26.15	---	48.95
GMW-3	11/15/99	75.1	---	26.54	---	48.56
GMW-3	05/15/00	75.1	---	26.29	---	48.81

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-3	11/13/00	75.1	---	26.97	---	48.13
GMW-3	05/07/01	75.1	---	25.1	---	50
GMW-3	08/07/01	75.1	---	28.61	---	46.49
GMW-3	11/05/01	75.1	---	25.63	---	49.47
GMW-3	04/08/02	75.1	---	26.26	---	48.84
GMW-3	10/21/02	75.1	---	27.05	---	48.05
GMW-3	01/27/03	75.1	---	26.74	---	48.36
GMW-3	04/07/03	75.1	---	26.26	---	48.84
GMW-3	07/31/03	75.1	---	25.96	---	49.14
GMW-3	10/06/03	75.1	---	26.23	---	48.87
GMW-3	01/11/04	75.1	---	27.56	---	47.54
GMW-3	01/27/04	75.1	---	26.68	---	48.42
GMW-3	04/19/04	75.1	---	26.93	---	48.17
GMW-3	07/19/04	75.1	---	26.92	---	48.18
GMW-3	05/02/05	75.1	---	21.53	---	53.57
GMW-3	10/31/05	75.1	26.13	26.11	-0.02	NC
GMW-3	02/27/06	75.1	---	23.73	---	51.37
GMW-3	05/01/06	75.1	---	23.78	---	51.32
GMW-3	12/04/06	75.1	---	24.73	---	50.37
GMW-3	04/30/07	75.1	---	24.99	---	50.11
GMW-3	11/12/07	75.1	---	25	---	50.1
GMW-3	04/14/08	75.1	---	25.4	---	49.7
GMW-3	04/14/08	75.1	---	25.52	---	49.58
GMW-3	10/13/08	75.1	---	26.35	---	48.75
GMW-3	04/20/09	75.1	---	26.26	---	48.84
GMW-3	10/19/09	75.1	---	27.81	---	47.29
GMW-3	05/24/10	75.1	---	27.18	---	47.92
GMW-3	05/28/10	75.1	---	27.11	---	47.99
GMW-3	10/04/10	75.1	---	27.37	---	47.73
GMW-3	04/11/11	75.1	---	26.17	---	48.93
GMW-3	10/10/11	75.1	---	26.68	---	48.42
GMW-3	04/16/12	75.1	---	27.93	---	47.17
GMW-3	07/09/12	75.1	---	NM	---	NC
GMW-3	10/15/12	75.1	---	NM	---	NC
GMW-3	04/08/13	75.1	---	NM	---	NC
GMW-3	06/14/13	75.1	---	29.98	---	45.12
GMW-30	05/28/96	74.91	26.69	29.41	2.72	NC
GMW-30	11/20/96	74.91	27.51	29.6	2.09	NC
GMW-30	07/01/97	74.91	28.96	30.32	1.36	NC
GMW-30	12/31/97	74.91	27.80	29.74	1.94	NC
GMW-30	05/01/98	74.91	19.11	24.27	5.16	NC
GMW-30	05/04/99	74.91	25.45	31.56	6.11	NC
GMW-30	08/09/99	74.91	25.76	30.1	4.34	NC
GMW-30	11/15/99	74.91	27.20	27.57	0.37	NC
GMW-30	05/15/00	74.91	27.27	27.6	0.33	NC
GMW-30	11/13/00	74.91	26.55	26.59	0.04	NC
GMW-30	05/07/01	74.91	---	28.47	---	46.44
GMW-30	08/07/01	74.91	---	25.6	---	49.31
GMW-30	11/05/01	74.91	25.96	26	0.04	NC
GMW-30	04/08/02	74.91	26.35	26.53	0.18	NC
GMW-30	10/21/02	74.91	27.32	27.51	0.19	NC
GMW-30	04/07/03	74.91	26.75	26.77	0.02	NC
GMW-30	10/06/03	74.91	26.45	26.51	0.06	NC
GMW-30	01/11/04	74.91	27.91	27.97	0.06	NC
GMW-30	04/19/04	74.91	27.49	27.6	0.11	NC
GMW-30	05/10/05	74.91	---	23.63	---	51.28
GMW-30	10/31/05	74.91	---	26.71	---	NC
GMW-30	05/01/06	74.91	---	23.91	---	51
GMW-30	12/04/06	74.91	---	24.73	---	50.18

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-30	04/30/07	74.91	---	24.99	---	49.92
GMW-30	08/28/07	74.91	---	24.65	---	50.26
GMW-30	08/28/07	74.91	---	24.65	---	50.26
GMW-30	11/12/07	74.91	---	25.38	---	49.53
GMW-30	04/14/08	74.91	---	25.65	---	49.26
GMW-30	11/04/08	74.91	---	26.52	---	48.39
GMW-30	04/20/09	74.91	---	26.3	---	48.61
GMW-30	10/19/09	74.91	---	27.4	---	47.51
GMW-30	05/24/10	74.91	---	27.32	---	47.59
GMW-30	05/28/10	74.91	---	27.18	---	47.73
GMW-30	10/04/10	74.91	---	27.3	---	47.61
GMW-30	01/10/11	74.91	---	28.61	---	46.3
GMW-30	04/11/11	74.91	---	26.43	---	48.48
GMW-30	07/11/11	74.91	---	NM	---	NC
GMW-30	10/10/11	74.91	---	26.55	---	48.36
GMW-30	01/09/12	74.91	---	27.12	---	47.79
GMW-30	04/16/12	74.91	---	29.09	---	45.82
GMW-30	07/09/12	74.91	---	28.43	---	46.48
GMW-30	10/15/12	74.91	---	28.4	---	46.51
GMW-30	01/14/13	74.91	---	29.59	---	45.32
GMW-30	04/08/13	74.91	---	29.31	---	45.6
GMW-30	10/07/13	74.91	---	30.32	---	44.59
GMW-31	05/28/96	76.5	---	29.31	---	47.19
GMW-31	11/20/96	76.5	---	30.18	---	46.32
GMW-31	07/01/97	76.5	---	30.11	---	46.39
GMW-31	12/31/97	76.5	---	30.03	---	46.47
GMW-31	05/01/98	76.5	---	27.26	---	49.24
GMW-31	05/25/99	76.5	---	28.07	---	48.43
GMW-31	05/15/00	76.5	---	28.7	---	47.8
GMW-31	11/13/00	76.5	---	28.33	---	48.17
GMW-31	05/07/01	76.5	---	27.48	---	49.02
GMW-31	04/08/02	76.5	---	28.94	---	47.56
GMW-31	10/21/02	76.5	---	28.72	---	47.78
GMW-31	04/07/03	76.5	---	28.44	---	48.06
GMW-31	10/06/03	76.5	---	28.48	---	48.02
GMW-31	04/19/04	76.5	---	29.99	---	46.51
GMW-31	11/01/04	76.5	---	29.16	---	47.34
GMW-31	05/02/05	76.5	---	24.57	---	51.93
GMW-31	05/01/06	76.5	---	26.1	---	50.4
GMW-31	08/26/06	76.5	---	26.49	---	50.01
GMW-31	12/01/06	76.5	---	26.84	---	49.66
GMW-31	04/30/07	76.5	---	27.34	---	49.16
GMW-31	11/12/07	76.5	---	27.91	---	48.59
GMW-31	04/11/08	76.5	---	27.57	---	48.93
GMW-31	07/24/08	76.5	---	27.91	---	48.59
GMW-31	10/14/08	76.5	---	28.57	---	47.93
GMW-31	02/10/09	76.5	---	28.87	---	47.63
GMW-31	04/20/09	76.5	---	28.41	---	48.09
GMW-31	10/19/09	76.5	---	29.28	---	47.22
GMW-31	04/08/10	76.5	---	28.91	---	47.59
GMW-31	04/12/10	76.5	---	28.71	---	47.79
GMW-31	01/07/11	76.5	---	29.4	---	47.1
GMW-31	04/08/11	76.5	---	28.13	---	48.37
GMW-31	07/08/11	76.5	---	28.34	---	48.16
GMW-31	10/06/11	76.5	---	28.87	---	47.63
GMW-31	04/12/12	76.5	---	30.04	---	46.46
GMW-31	04/16/12	76.5	---	29.81	---	46.69
GMW-31	01/11/13	76.5	---	31.35	---	45.15
GMW-31	04/03/13	76.5	---	31.26	---	45.24



**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-31	04/08/13	76.5	---	31.08	---	45.42
GMW-31	10/02/13	76.5	---	31.98	---	44.52
GMW-32	05/28/96	74.62	---	26.78	---	47.84
GMW-32	11/20/96	74.62	---	27.79	---	46.83
GMW-32	07/01/97	74.62	---	26.99	---	47.63
GMW-32	12/31/97	74.62	---	27.38	---	47.24
GMW-32	05/01/98	74.62	---	24.23	---	50.39
GMW-32	05/25/99	74.62	---	25.52	---	49.1
GMW-32	05/15/00	74.62	---	26.16	---	48.46
GMW-32	11/13/00	74.62	---	26.73	---	47.89
GMW-32	05/07/01	74.62	---	24.93	---	49.69
GMW-32	02/01/02	74.62	---	25.35	---	49.27
GMW-32	04/08/02	74.62	---	26.52	---	48.1
GMW-32	10/21/02	74.62	---	27.09	---	47.53
GMW-32	04/07/03	74.62	---	25.15	---	49.47
GMW-32	10/06/03	74.62	---	25.89	---	48.73
GMW-32	04/19/04	74.62	---	26.78	---	47.84
GMW-32	11/01/04	74.62	---	27.3	---	47.32
GMW-32	05/02/05	74.62	---	20.42	---	54.2
GMW-32	03/06/06	74.62	---	23.1	---	51.52
GMW-32	05/01/06	74.62	---	22.98	---	51.64
GMW-32	08/26/06	74.62	---	23.64	---	50.98
GMW-32	12/01/06	74.62	---	24.5	---	50.12
GMW-32	03/21/07	74.62	---	24.51	---	50.11
GMW-32	04/30/07	74.62	---	25.03	---	49.59
GMW-32	08/28/07	74.62	---	24.78	---	49.84
GMW-32	11/12/07	74.62	---	25.62	---	49
GMW-32	02/05/08	74.62	---	25.93	---	48.69
GMW-32	04/14/08	74.62	---	25.11	---	49.51
GMW-32	07/24/08	74.62	---	25.52	---	49.1
GMW-32	10/14/08	74.62	---	26.35	---	48.27
GMW-32	02/10/09	74.62	---	26.15	---	48.47
GMW-32	04/20/09	74.62	---	27.28	---	47.34
GMW-32	07/16/09	74.62	---	26.71	---	47.91
GMW-32	10/19/09	74.62	---	27.24	---	47.38
GMW-32	04/08/10	74.62	---	26.61	---	48.01
GMW-32	04/12/10	74.62	---	26.82	---	47.8
GMW-32	04/07/11	74.62	---	25.72	---	48.9
GMW-32	10/06/11	74.62	---	26.71	---	47.91
GMW-32	04/12/12	74.62	---	27.94	---	46.68
GMW-32	04/19/12	74.62	---	27.83	---	46.79
GMW-32	01/10/13	74.62	---	29.31	---	45.31
GMW-32	04/03/13	74.62	---	29.34	---	45.28
GMW-32	04/08/13	74.62	---	29.32	---	45.3
GMW-32	10/02/13	74.62	---	29.98	---	44.64
GMW-33	05/28/96	74.88	---	27.02	---	47.86
GMW-33	11/20/96	74.88	---	27.97	---	46.91
GMW-33	07/01/97	74.88	---	26.84	---	48.04
GMW-33	12/31/97	74.88	---	27.52	---	47.36
GMW-33	05/01/98	74.88	---	24.08	---	50.8
GMW-33	05/25/99	74.88	---	25.62	---	49.26
GMW-33	05/15/00	74.88	---	26.5	---	48.38
GMW-33	11/13/00	74.88	---	26.9	---	47.98
GMW-33	05/07/01	74.88	---	25.18	---	49.7
GMW-33	02/01/02	74.88	---	25.32	---	49.56
GMW-33	04/08/02	74.88	---	26.55	---	48.33
GMW-33	10/21/02	74.88	---	27.15	---	47.73
GMW-33	04/07/03	74.88	---	26.22	---	48.66
GMW-33	10/06/03	74.88	---	26.06	---	48.82



**APPENDIX C, TABLE 1**  
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*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-33	04/19/04	74.88	---	28.89	---	45.99
GMW-33	11/01/04	74.88	---	27.47	---	47.41
GMW-33	05/02/05	74.88	---	21.5	---	53.38
GMW-33	03/06/06	74.88	---	23.94	---	50.94
GMW-33	05/01/06	74.88	---	23.9	---	50.98
GMW-33	08/26/06	74.88	---	24.38	---	50.5
GMW-33	12/01/06	74.88	---	24.9	---	49.98
GMW-33	03/21/07	74.88	---	25.61	---	49.27
GMW-33	04/30/07	74.88	---	25.44	---	49.44
GMW-33	08/28/07	74.88	---	25.94	---	48.94
GMW-33	11/12/07	74.88	---	25.97	---	48.91
GMW-33	02/05/08	74.88	---	26.87	---	48.01
GMW-33	04/11/08	74.88	---	25.58	---	49.3
GMW-33	07/24/08	74.88	---	26.11	---	48.77
GMW-33	10/13/08	74.88	---	26.93	---	47.95
GMW-33	02/10/09	74.88	---	27.05	---	47.83
GMW-33	07/16/09	74.88	---	27.41	---	47.47
GMW-33	04/07/10	74.88	---	26.82	---	48.06
GMW-33	10/01/10	74.88	---	27.43	---	47.45
GMW-33	04/07/11	74.88	---	NM	---	NC
GMW-33	10/06/11	74.88	---	NM	---	NC
GMW-33	04/12/12	74.88	---	NM	---	NC
GMW-33	01/10/13	74.88	---	NM	---	NC
GMW-33	04/03/13	74.88	---	NM	---	NC
GMW-33	10/02/13	74.88	---	---	---	---
GMW-34	05/28/96	75.25	26.83	30.96	4.13	NC
GMW-34	11/20/96	75.25	27.69	31.87	4.18	NC
GMW-34	07/01/97	75.25	28.10	32.06	3.96	NC
GMW-34	12/31/97	75.25	27.88	31.81	3.93	NC
GMW-34	05/01/98	75.25	25.66	25.92	0.26	NC
GMW-34	05/25/99	75.25	---	26.8	---	48.45
GMW-34	05/15/00	75.25	---	27.46	---	47.79
GMW-34	11/13/00	75.25	---	27.05	---	48.2
GMW-34	05/07/01	75.25	---	26.12	---	49.13
GMW-34	04/08/02	75.25	---	27.26	---	47.99
GMW-34	10/21/02	75.25	---	27.64	---	47.61
GMW-34	04/07/03	75.25	---	26.98	---	48.27
GMW-34	10/06/03	75.25	---	27.03	---	48.22
GMW-34	04/19/04	75.25	---	28.53	---	46.72
GMW-34	11/01/04	75.25	---	28.26	---	46.99
GMW-34	05/02/05	75.25	---	22.79	---	52.46
GMW-34	05/01/06	75.25	---	24.5	---	50.75
GMW-34	12/01/06	75.25	---	25.56	---	49.69
GMW-34	04/30/07	75.25	---	25.88	---	49.37
GMW-34	11/12/07	75.25	---	NM	---	NC
GMW-34	04/11/08	75.25	---	NM	---	NC
GMW-34	10/14/08	75.25	---	NM	---	NC
GMW-34	10/01/10	75.25	---	27.85	---	47.4
GMW-34	04/12/12	75.25	---	NM	---	NC
GMW-35	05/28/96	76.12	27.54	32.06	4.52	NC
GMW-35	11/20/96	76.12	28.69	33.01	4.32	NC
GMW-35	07/01/97	76.12	27.75	31.38	3.63	NC
GMW-35	12/31/97	76.12	28.10	32.18	4.08	NC
GMW-35	05/01/98	76.12	24.97	25.28	0.31	NC
GMW-35	05/25/99	76.12	26.93	27.65	0.72	NC
GMW-35	05/15/00	76.12	27.67	28.26	0.59	NC
GMW-35	11/13/00	76.12	---	29.38	---	46.74
GMW-35	05/07/01	76.12	---	26.8	---	49.32
GMW-35	04/08/02	76.12	---	28.39	---	47.73

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-35	09/19/02	76.12	28.56	28.95	0.39	NC
GMW-35	10/21/02	76.12	---	29.03	---	47.09
GMW-35	04/07/03	76.12	28.10	28.15	0.05	NC
GMW-35	10/06/03	76.12	---	27.58	---	48.54
GMW-35	04/19/04	76.12	28.46	28.49	0.03	NC
GMW-35	11/01/04	76.12	28.71	28.78	0.07	NC
GMW-35	02/28/05	76.12	---	24.73	---	51.39
GMW-35	05/02/05	76.12	---	23.26	---	52.86
GMW-35	03/06/06	76.12	---	25.14	---	50.98
GMW-35	05/01/06	76.12	---	25.37	---	50.75
GMW-35	08/26/06	76.12	---	25.83	---	50.29
GMW-35	12/01/06	76.12	---	26.27	---	49.85
GMW-35	03/21/07	76.12	---	26.72	---	49.4
GMW-35	04/30/07	76.12	---	26.74	---	49.38
GMW-35	08/28/07	76.12	---	27.02	---	49.1
GMW-35	11/12/07	76.12	---	27.32	---	48.8
GMW-35	02/05/08	76.12	---	27.98	---	48.14
GMW-35	04/14/08	76.12	---	26.85	---	49.27
GMW-35	10/13/08	76.12	28.28	28.31	0.03	NC
GMW-35	02/10/09	76.12	---	27.7	---	48.42
GMW-35	04/20/09	76.12	---	28.94	---	47.18
GMW-35	07/17/09	76.12	---	28.12	---	48
GMW-35	04/08/10	76.12	---	27.07	---	49.05
GMW-35	04/12/10	76.12	---	28.41	---	47.71
GMW-35	10/01/10	76.12	---	28.73	---	47.39
GMW-35	01/08/11	76.12	29.03	29.04	0.01	NC
GMW-35	04/12/12	76.12	29.44	29.51	0.07	NC
GMW-35	04/20/12	76.12	---	29.38	---	46.74
GMW-35	04/05/13	76.12	30.61	30.83	0.22	NC
GMW-35	04/08/13	76.12	30.58	30.8	0.22	NC
GMW-35	10/02/13	76.12	31.38	31.71	0.33	44.6872
GMW-36	05/28/96	74.53	25.71	26.88	1.17	NC
GMW-36	11/20/96	74.53	26.56	26.82	0.26	NC
GMW-36	07/01/97	74.53	25.09	25.71	0.62	NC
GMW-36	12/31/97	74.53	---	26.74	---	47.79
GMW-36	05/04/99	74.53	---	23.68	---	50.85
GMW-36	08/09/99	74.53	---	24.8	---	49.73
GMW-36	11/15/99	74.53	---	25.48	---	49.05
GMW-36	05/15/00	74.53	---	25.01	---	49.52
GMW-36	11/13/00	74.53	---	25.96	---	48.57
GMW-36	02/05/01	74.53	---	25.41	---	49.12
GMW-36	05/07/01	74.53	---	23.37	---	51.16
GMW-36	05/10/01	74.53	---	23.43	---	51.1
GMW-36	09/18/01	74.53	---	23.95	---	50.58
GMW-36	11/05/01	74.53	---	24.24	---	50.29
GMW-36	01/29/02	74.53	---	24.6	---	49.93
GMW-36	04/08/02	74.53	---	24.92	---	49.61
GMW-36	07/29/02	74.53	---	25.92	---	48.61
GMW-36	10/21/02	74.53	25.54	29.46	3.92	NC
GMW-36	11/04/02	74.53	25.55	29.05	3.5	NC
GMW-36	01/27/03	74.53	26.75	28.02	1.27	NC
GMW-36	04/07/03	74.53	26.63	27.47	0.84	NC
GMW-36	05/02/05	74.53	20.03	21.23	1.2	NC
GMW-36	10/31/05	74.53	22.69	22.73	0.04	NC
GMW-36	05/01/06	74.53	22.80	22.91	0.11	NC
GMW-36	12/04/06	74.53	---	23.86	---	50.67
GMW-36	03/12/07	74.53	---	24.29	---	50.24
GMW-36	04/30/07	74.53	---	24.4	---	50.13

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-36	08/28/07	74.53	---	24.31	---	50.22
GMW-36	11/12/07	74.53	24.85	24.86	0.01	NC
GMW-36	02/19/08	74.53	---	25.5	---	49.03
GMW-36	04/14/08	74.53	---	24.61	---	49.92
GMW-36	08/08/08	74.53	26.14	26.2	0.06	NC
GMW-36	10/16/08	74.77	26.09	26.11	0.02	NC
GMW-36	04/20/09	74.53	25.59	25.63	0.04	NC
GMW-36	07/20/09	74.53	---	25.9	---	48.63
GMW-36	10/19/09	74.53	26.45	26.56	0.11	NC
GMW-36	03/15/10	74.53	---	26.8	---	47.73
GMW-36	04/16/10	74.53	---	26.9	---	47.63
GMW-36	05/24/10	74.53	25.90	25.96	0.06	NC
GMW-36	05/28/10	74.53	25.88	25.94	0.06	NC
GMW-36	06/22/10	74.53	25.91	25.94	0.03	NC
GMW-36	07/12/10	74.53	---	NM	---	NC
GMW-36	08/12/10	74.53	---	NM	---	NC
GMW-36	09/20/10	74.53	---	NM	---	NC
GMW-36	10/04/10	74.53	---	26.9	---	47.63
GMW-36	11/23/10	74.53	27.10	27.35	0.25	NC
GMW-36	12/22/10	74.53	26.84	28.35	1.51	NC
GMW-36	01/10/11	74.53	27.70	29.1	1.4	NC
GMW-36	02/24/11	74.53	---	NM	---	NC
GMW-36	03/23/11	74.53	---	NM	---	NC
GMW-36	04/12/11	74.53	25.05	26.98	1.93	NC
GMW-36	05/13/11	74.53	---	NM	---	NC
GMW-36	06/22/11	74.53	---	NM	---	NC
GMW-36	07/11/11	74.53	---	NM	---	NC
GMW-36	08/19/11	74.53	---	NM	---	NC
GMW-36	09/22/11	74.53	---	NM	---	NC
GMW-36	10/10/11	74.53	---	25.96	---	48.57
GMW-36	11/28/11	74.53	---	NM	---	NC
GMW-36	12/21/11	74.53	---	28.17	---	46.36
GMW-36	01/09/12	74.53	---	27.26	---	47.27
GMW-36	02/23/12	74.53	---	27.85	---	46.68
GMW-36	03/28/12	74.53	---	NM	---	NC
GMW-36	04/16/12	74.53	---	27.34	---	47.19
GMW-36	05/25/12	74.53	---	NM	---	NC
GMW-36	06/15/12	---	---	33.27	---	NC
GMW-36	07/09/12	---	---	33.71	---	NC
GMW-36	08/29/12	---	---	NM	---	NC
GMW-36	09/26/12	---	---	NM	---	NC
GMW-36	10/15/12	76.66	---	32.11	---	42.42
GMW-36	11/29/12	76.66	31.68	33.93	2.25	NC
GMW-36	12/26/12	76.66	30.36	34.86	4.5	NC
GMW-36	01/14/13	76.66	30.42	34.12	3.7	NC
GMW-36	02/20/13	76.66	---	NM	---	NC
GMW-36	04/10/13	74.53	29.75	32.42	2.67	NC
<b>GMW-36</b>	<b>10/07/13</b>	<b>76.66</b>	<b>30.72</b>	<b>34.65</b>	<b>3.93</b>	<b>45.31</b>
GMW-37	11/20/96	77.32	---	29.76	---	47.56
GMW-37	07/01/97	77.32	---	28.37	---	48.95
GMW-37	12/31/97	77.32	---	28.71	---	48.61
GMW-37	05/03/99	77.32	---	27.76	---	49.56
GMW-37	08/09/99	77.32	---	28.1	---	49.22
GMW-37	11/15/99	77.32	---	28.57	---	48.75
GMW-37	05/15/00	77.32	---	28.19	---	49.13
GMW-37	11/13/00	77.32	---	28.89	---	48.43
GMW-37	02/05/01	77.32	---	28.65	---	48.67
GMW-37	05/07/01	77.32	---	26.94	---	50.38

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-37	09/18/01	77.32	---	27.43	---	49.89
GMW-37	11/05/01	77.32	---	27.56	---	49.76
GMW-37	01/29/02	77.32	---	27.89	---	49.43
GMW-37	04/08/02	77.32	---	27.94	---	49.38
GMW-37	10/21/02	77.32	---	29.11	---	48.21
GMW-37	01/27/03	77.32	---	28.74	---	48.58
GMW-37	04/07/03	77.32	---	28.3	---	49.02
GMW-37	07/31/03	77.32	---	28.02	---	49.3
GMW-37	10/06/03	77.32	---	27.92	---	49.4
GMW-37	01/11/04	77.32	---	29.62	---	47.7
GMW-37	01/27/04	77.32	---	28.81	---	48.51
GMW-37	04/19/04	77.32	---	28.91	---	48.41
GMW-37	07/19/04	77.32	---	28.91	---	48.41
GMW-37	02/01/05	77.32	---	27.77	---	49.55
GMW-37	05/02/05	77.32	---	23.34	---	53.98
GMW-37	08/01/05	77.32	---	24.61	---	52.71
GMW-37	10/31/05	77.32	---	25.35	---	51.97
GMW-37	02/27/06	77.32	---	25.81	---	51.51
GMW-37	05/01/06	77.32	---	25.86	---	51.46
GMW-37	09/18/06	77.32	---	24.62	---	52.7
GMW-37	12/04/06	77.32	---	26.83	---	50.49
GMW-37	04/30/07	77.32	---	27.18	---	50.14
GMW-37	11/12/07	77.32	---	27.61	---	49.71
GMW-37	04/14/08	77.32	---	27.6	---	49.72
GMW-37	10/13/08	77.32	---	28.56	---	48.76
GMW-37	04/20/09	77.32	---	28.54	---	48.78
GMW-37	10/19/09	77.32	---	29.47	---	47.85
GMW-37	05/24/10	77.32	---	29.25	---	48.07
GMW-37	05/28/10	77.32	---	29.2	---	48.12
GMW-37	10/04/10	77.32	---	29.5	---	47.82
GMW-37	01/10/11	77.32	---	29.9	---	47.42
GMW-37	04/11/11	77.32	---	28.31	---	49.01
GMW-37	07/11/11	77.32	---	NM	---	NC
GMW-37	10/10/11	77.32	---	29	---	48.32
GMW-37	01/09/12	77.32	---	29.72	---	47.6
GMW-37	04/16/12	77.32	---	30.1	---	47.22
GMW-37	07/09/12	77.32	---	30.86	---	46.46
GMW-37	10/15/12	77.32	---	30.9	---	46.42
GMW-37	01/14/13	77.32	---	31.79	---	45.53
GMW-37	04/08/13	77.32	---	31.69	---	45.63
GMW-37	10/07/13	77.32	---	32.51	---	44.81
GMW-38	05/28/96	75.47	---	27.15	---	48.32
GMW-38	11/20/96	75.47	---	28.09	---	47.38
GMW-38	05/03/99	75.47	---	26.08	---	49.39
GMW-38	08/09/99	75.47	---	26.42	---	49.05
GMW-38	11/15/99	75.47	---	26.97	---	48.5
GMW-38	05/15/00	75.47	---	26.53	---	48.94
GMW-38	11/13/00	75.47	---	27.24	---	48.23
GMW-38	05/07/01	75.47	---	25.14	---	50.33
GMW-38	11/05/01	75.47	---	25.84	---	49.63
GMW-38	02/01/02	75.47	---	25.91	---	49.56
GMW-38	04/08/02	75.47	---	26.52	---	48.95
GMW-38	10/21/02	75.47	---	27.39	---	48.08
GMW-38	01/27/03	75.47	---	27.05	---	48.42
GMW-38	04/07/03	75.47	---	26.47	---	49
GMW-38	07/31/03	75.47	---	26.26	---	49.21
GMW-38	10/06/03	75.47	---	26.51	---	48.96
GMW-38	01/11/04	75.47	---	27.91	---	47.56

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-38	01/27/04	75.47	---	27.04	---	48.43
GMW-38	04/19/04	75.47	---	27.15	---	48.32
GMW-38	07/19/04	75.47	---	27.26	---	48.21
GMW-38	02/01/05	75.47	---	25.99	---	49.48
GMW-38	05/02/05	75.47	---	28.53	---	46.94
GMW-38	08/01/05	75.47	---	22.91	---	52.56
GMW-38	10/31/05	75.47	---	23.65	---	51.82
GMW-38	02/27/06	75.47	---	24.04	---	51.43
GMW-38	05/01/06	75.47	---	24.09	---	51.38
GMW-38	09/18/06	75.47	---	24.85	---	50.62
GMW-38	12/04/06	75.47	---	25.07	---	50.4
GMW-38	03/12/07	75.47	---	25.48	---	49.99
GMW-38	04/30/07	75.47	---	25.42	---	50.05
GMW-38	08/28/07	75.47	---	25.29	---	50.18
GMW-38	11/12/07	75.47	---	25.89	---	49.58
GMW-38	04/14/08	75.47	---	25.81	---	49.66
GMW-38	10/13/08	75.47	---	26.72	---	48.75
GMW-38	04/20/09	75.47	---	27.05	---	48.42
GMW-38	07/20/09	75.47	---	27.21	---	48.26
GMW-38	10/19/09	75.47	---	27.78	---	47.69
GMW-38	03/15/10	75.47	---	27.92	---	47.55
GMW-38	05/24/10	75.47	---	27.5	---	47.97
GMW-38	05/28/10	75.47	---	27.4	---	48.07
GMW-38	10/04/10	75.47	---	27.77	---	47.7
GMW-38	01/10/11	75.47	---	28	---	47.47
GMW-38	04/11/11	75.47	---	26.49	---	48.98
GMW-38	07/11/11	75.47	---	26.83	---	48.64
GMW-38	10/10/11	75.47	---	27.28	---	48.19
GMW-38	01/09/12	75.47	---	27.9	---	47.57
GMW-38	04/16/12	75.47	---	28.32	---	47.15
GMW-38	07/09/12	75.47	---	28.97	---	46.5
GMW-38	10/15/12	75.47	---	29.75	---	45.72
GMW-38	01/14/13	75.47	---	30.18	---	45.29
GMW-38	04/08/13	75.47	---	30.07	---	45.4
GMW-38	10/07/13	75.47	---	30.31	---	45.16
GMW-39	05/28/96	75.05	---	26.67	---	48.38
GMW-39	11/20/96	75.05	---	27.68	---	47.37
GMW-39	05/03/99	75.05	---	25.5	---	49.55
GMW-39	08/09/99	75.05	---	25.99	---	49.06
GMW-39	11/15/99	75.05	---	26.52	---	48.53
GMW-39	05/15/00	75.05	---	25.95	---	49.1
GMW-39	11/13/00	75.05	---	26.88	---	48.17
GMW-39	05/07/01	75.05	---	24.64	---	50.41
GMW-39	11/05/01	75.05	---	25.28	---	49.77
GMW-39	02/01/02	75.05	---	25.2	---	49.85
GMW-39	04/08/02	75.05	---	26.11	---	48.94
GMW-39	10/21/02	75.05	---	27.19	---	47.86
GMW-39	01/27/03	75.05	---	26.67	---	48.38
GMW-39	04/07/03	75.05	---	26.05	---	49
GMW-39	07/31/03	75.05	---	25.79	---	49.26
GMW-39	10/06/03	75.05	---	26.04	---	49.01
GMW-39	01/11/04	75.05	---	27.54	---	47.51
GMW-39	01/27/04	75.05	---	26.63	---	48.42
GMW-39	04/19/04	75.05	---	26.04	---	49.01
GMW-39	07/19/04	75.05	---	26.78	---	48.27
GMW-39	02/01/05	75.05	---	25.41	---	49.64
GMW-39	05/02/05	75.05	---	20.34	---	54.71
GMW-39	08/01/05	75.05	---	22.23	---	52.82
GMW-39	10/31/05	75.05	---	22.9	---	52.15

**APPENDIX C, TABLE 1**  
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*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-39	02/27/06	75.05	---	23.48	---	51.57
GMW-39	05/01/06	75.05	---	23.6	---	51.45
GMW-39	09/18/06	75.05	---	24.37	---	50.68
GMW-39	12/04/06	75.05	---	24.64	---	50.41
GMW-39	03/12/07	75.05	---	25.12	---	49.93
GMW-39	04/30/07	75.05	---	25.12	---	49.93
GMW-39	08/28/07	75.05	---	25.15	---	49.9
GMW-39	11/12/07	75.05	---	25.62	---	49.43
GMW-39	02/19/08	75.05	---	25.91	---	49.14
GMW-39	04/14/08	75.05	---	25.44	---	49.61
GMW-39	08/11/08	75.05	---	26.21	---	48.84
GMW-39	10/13/08	75.05	---	26.51	---	48.54
GMW-39	04/20/09	75.05	---	26.43	---	48.62
GMW-39	07/20/09	75.05	---	26.85	---	48.2
GMW-39	10/19/09	75.05	---	27.58	---	47.47
GMW-39	03/15/10	75.05	---	27.41	---	47.64
GMW-39	05/24/10	75.05	---	27.12	---	47.93
GMW-39	05/28/10	75.05	---	27.09	---	47.96
GMW-39	10/04/10	75.05	---	27.38	---	47.67
GMW-39	01/10/11	75.05	---	27.63	---	47.42
GMW-39	04/11/11	75.05	---	25.92	---	49.13
GMW-39	07/11/11	75.05	---	26.55	---	48.5
GMW-39	10/10/11	75.05	---	26.85	---	48.2
GMW-39	01/09/12	75.05	---	28.44	---	46.61
GMW-39	04/16/12	75.05	---	28.04	---	47.01
GMW-39	07/09/12	75.05	---	28.62	---	46.43
GMW-39	10/15/12	75.05	---	29.58	---	45.47
GMW-39	01/14/13	75.05	---	29.72	---	45.33
GMW-39	04/08/13	75.05	---	29.71	---	45.34
GMW-39	10/07/13	75.05	---	29.92	---	45.13
GMW-4	05/28/96	75.45	27.34	28.02	0.68	NC
GMW-4	11/20/96	75.45	28.25	28.32	0.07	NC
GMW-4	07/01/97	75.45	---	27.76	---	47.69
GMW-4	12/31/97	75.45	---	27.25	---	48.2
GMW-4	05/01/98	75.45	---	24.69	---	50.76
GMW-4	05/04/99	75.45	26.15	26.23	0.08	NC
GMW-4	08/09/99	75.45	26.65	26.7	0.05	NC
GMW-4	11/15/99	75.45	---	27.04	---	48.41
GMW-4	05/15/00	75.45	---	27.42	---	48.03
GMW-4	11/13/00	75.45	27.40	27.46	0.06	NC
GMW-4	05/07/01	75.45	---	25.72	---	49.73
GMW-4	09/18/01	75.45	25.89	25.92	0.03	NC
GMW-4	11/05/01	75.45	26.01	26.02	0.01	NC
GMW-4	04/08/02	75.45	26.70	26.74	0.04	NC
GMW-4	10/21/02	75.45	27.56	27.59	0.03	NC
GMW-4	04/07/03	75.45	---	26.84	---	48.61
GMW-4	04/22/03	75.45	---	26.7	---	48.75
GMW-4	10/06/03	75.45	26.68	26.7	0.02	NC
GMW-4	01/11/04	75.45	---	NM	---	NC
GMW-4	04/19/04	75.45	26.15	26.19	0.04	NC
GMW-4	05/02/05	75.45	22.30	22.31	0.01	NC
GMW-4	10/31/05	75.45	18.10	23.84	5.74	NC
GMW-4	05/01/06	75.45	23.98	24.08	0.1	NC
GMW-4	12/04/06	75.45	25.08	25.12	0.04	NC
GMW-4	04/30/07	75.45	---	25.31	---	50.14
GMW-4	11/12/07	75.45	25.64	25.65	0.01	NC
GMW-4	04/14/08	75.45	---	26	---	49.45
GMW-4	04/14/08	75.45	---	25.99	---	49.46
GMW-4	11/21/08	75.45	---	27	---	48.45



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*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-4	04/20/09	75.45	---	26.76	---	48.69
GMW-4	10/19/09	75.45	27.81	27.86	0.05	NC
GMW-4	05/24/10	75.45	---	27.55	---	47.9
GMW-4	05/28/10	75.45	---	27.48	---	47.97
GMW-4	10/04/10	75.45	27.72	27.76	0.04	NC
GMW-4	04/11/11	75.45	---	26.59	---	48.86
GMW-4	10/10/11	75.45	---	27.11	---	48.34
GMW-4	04/16/12	75.45	28.58	28.68	0.1	NC
GMW-4	07/09/12	75.45	---	NM	---	NC
GMW-4	04/08/13	75.45	29.95	30.08	0.13	NC
GMW-4	10/07/13	75.45	30.33	30.43	0.1	45.104
GMW-40	05/28/96	73.13	---	26	---	47.13
GMW-40	11/20/96	73.13	---	26.74	---	46.39
GMW-40	07/01/97	73.13	---	27.43	---	45.7
GMW-40	12/31/97	73.13	---	26.66	---	46.47
GMW-40	05/01/98	73.13	---	24.03	---	49.1
GMW-40	05/25/99	73.13	---	24.84	---	48.29
GMW-40	05/15/00	73.13	---	25.65	---	47.48
GMW-40	11/13/00	73.13	---	26.21	---	46.92
GMW-40	05/07/01	73.13	---	24.26	---	48.87
GMW-40	04/08/02	73.13	---	25.14	---	47.99
GMW-40	10/21/02	73.13	---	25.49	---	47.64
GMW-40	04/07/03	73.13	---	24.6	---	48.53
GMW-40	10/06/03	73.13	---	25.02	---	48.11
GMW-40	04/19/04	73.13	---	26.59	---	46.54
GMW-40	11/05/04	73.13	---	24.1	---	49.03
GMW-40	05/02/05	73.13	---	21.17	---	51.96
GMW-40	05/01/06	73.13	---	22.54	---	50.59
GMW-40	12/01/06	73.13	---	23.51	---	49.62
GMW-40	04/30/07	73.13	---	23.74	---	49.39
GMW-40	11/12/07	73.13	---	24.6	---	48.53
GMW-40	04/11/08	73.13	---	24.09	---	49.04
GMW-40	10/14/08	73.13	---	25.01	---	48.12
GMW-40	02/10/09	73.13	---	25.05	---	48.08
GMW-40	04/20/09	73.13	---	27.4	---	45.73
GMW-40	10/19/09	73.13	---	26	---	47.13
GMW-40	04/08/10	73.13	---	25.31	---	47.82
GMW-40	04/12/10	73.13	---	25.2	---	47.93
GMW-40	10/01/10	73.13	---	25.83	---	47.3
GMW-40	10/04/10	73.13	---	25.7	---	47.43
GMW-40	01/07/11	73.13	---	NM	---	NC
GMW-40	04/11/11	73.13	---	NM	---	NC
GMW-40	10/10/11	73.13	---	25.13	---	48
GMW-40	04/12/12	73.13	---	26.48	---	46.65
GMW-40	10/02/13	73.13	---	28.57	---	44.56
GMW-41	05/28/96	74.46	---	27.01	---	47.45
GMW-41	11/20/96	74.46	---	27.92	---	46.54
GMW-41	07/01/97	74.46	---	28.31	---	46.15
GMW-41	12/31/97	74.46	---	27.81	---	46.65
GMW-41	05/01/98	74.46	---	25.1	---	49.36
GMW-41	05/25/99	74.46	---	26.02	---	48.44
GMW-41	05/15/00	74.46	---	26.69	---	47.77
GMW-41	11/13/00	74.46	---	27.32	---	47.14
GMW-41	05/07/01	74.46	---	25.45	---	49.01
GMW-41	04/08/02	74.46	---	26.36	---	48.1
GMW-41	10/21/02	74.46	---	26.85	---	47.61
GMW-41	04/07/03	74.46	---	26.15	---	48.31
GMW-41	10/06/03	74.46	---	26.22	---	48.24
GMW-41	04/19/04	74.46	---	27.64	---	46.82

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-41	11/01/04	74.46	---	27.54	---	46.92
GMW-41	05/02/05	74.46	---	22.28	---	52.18
GMW-41	05/01/06	74.46	---	23.87	---	50.59
GMW-41	12/01/06	74.46	---	24.71	---	49.75
GMW-41	04/30/07	74.46	---	25.06	---	49.4
GMW-41	11/12/07	74.46	---	25.87	---	48.59
GMW-41	04/11/08	74.46	---	25.44	---	49.02
GMW-41	07/24/08	74.46	---	25.8	---	48.66
GMW-41	10/14/08	74.46	---	26.35	---	48.11
GMW-41	02/10/09	74.46	---	26.58	---	47.88
GMW-41	04/20/09	74.46	---	26.61	---	47.85
GMW-41	10/19/09	74.46	---	27.34	---	47.12
GMW-41	04/08/10	74.46	---	26.64	---	47.82
GMW-41	04/12/10	74.46	---	26.44	---	48.02
GMW-41	10/04/10	74.46	---	26.91	---	47.55
GMW-41	01/07/11	74.46	---	27.58	---	46.88
GMW-41	04/08/11	74.46	---	26.01	---	48.45
GMW-41	04/11/11	74.46	---	NM	---	NC
GMW-41	07/08/11	74.46	---	26.01	---	48.45
GMW-41	10/06/11	74.46	---	26.61	---	47.85
GMW-41	10/10/11	74.46	---	26.53	---	47.93
GMW-41	04/12/12	74.46	---	27.77	---	46.69
GMW-41	04/16/12	74.46	---	27.54	---	46.92
GMW-41	01/11/13	74.46	---	29.47	---	44.99
GMW-41	04/03/13	74.46	---	29.29	---	45.17
GMW-41	04/08/13	74.46	---	29.16	---	45.3
GMW-41	10/02/13	74.46	---	29.89	---	44.57
GMW-42	05/28/96	75.5	27.89	29.36	1.47	NC
GMW-42	11/20/96	75.5	28.87	29.55	0.68	NC
GMW-42	07/01/97	75.5	29.06	29.52	0.46	NC
GMW-42	12/31/97	75.5	---	28.87	---	46.63
GMW-42	05/01/98	75.5	---	26.18	---	49.32
GMW-42	05/25/99	75.5	---	26.99	---	48.51
GMW-42	05/15/00	75.5	---	27.54	---	47.96
GMW-42	11/13/00	75.5	---	28.32	---	47.18
GMW-42	05/07/01	75.5	---	26.25	---	49.25
GMW-42	04/08/02	75.5	---	27.57	---	47.93
GMW-42	10/21/02	75.5	---	27.96	---	47.54
GMW-42	04/07/03	75.5	---	27.25	---	48.25
GMW-42	10/06/03	75.5	---	27.3	---	48.2
GMW-42	04/19/04	75.5	---	28.78	---	46.72
GMW-42	11/01/04	75.5	---	28.4	---	47.1
GMW-42	05/03/05	75.5	---	22.32	---	53.18
GMW-42	05/01/06	75.5	---	24.46	---	51.04
GMW-42	12/01/06	75.5	---	23.51	---	51.99
GMW-42	04/30/07	75.5	---	26.07	---	49.43
GMW-42	11/12/07	75.5	---	26.38	---	49.12
GMW-42	04/11/08	75.5	---	25.95	---	49.55
GMW-42	10/16/08	75.5	---	26.92	---	48.58
GMW-42	04/07/10	75.5	---	27.6	---	47.9
GMW-42	10/01/10	75.5	---	28.13	---	47.37
GMW-42	01/08/11	75.5	---	28.03	---	47.47
GMW-42	04/12/12	75.5	---	28.88	---	46.62
GMW-42	10/02/13	75.5	---	30.99	---	44.51
GMW-43	05/28/96	74.44	---	27.03	---	47.41
GMW-43	11/20/96	74.44	---	28.03	---	46.41
GMW-43	07/01/97	74.44	---	27.66	---	46.78
GMW-43	12/31/97	74.44	---	27.7	---	46.74



**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-43	05/01/98	74.44	---	24.93	---	49.51
GMW-43	05/25/99	74.44	---	25.72	---	48.72
GMW-43	05/15/00	74.44	---	26.41	---	48.03
GMW-43	11/13/00	74.44	---	26.97	---	47.47
GMW-43	05/07/01	74.44	---	25.11	---	49.33
GMW-43	04/08/02	74.44	---	26.7	---	47.74
GMW-43	10/21/02	74.44	---	26.66	---	47.78
GMW-43	04/07/03	74.44	---	26	---	48.44
GMW-43	10/06/03	74.44	---	26.12	---	48.32
GMW-43	04/19/04	74.44	---	27.4	---	47.04
GMW-43	11/03/04	74.44	---	26.63	---	47.81
GMW-43	05/02/05	74.44	---	21.03	---	53.41
GMW-43	05/01/06	74.44	---	23.36	---	51.08
GMW-43	12/01/06	74.44	---	24.59	---	49.85
GMW-43	04/30/07	74.44	---	25	---	49.44
GMW-43	11/12/07	74.44	---	25.6	---	48.84
GMW-43	04/14/08	74.44	---	25.17	---	49.27
GMW-43	07/24/08	74.44	---	25.77	---	48.67
GMW-43	10/14/08	74.44	---	26.34	---	48.1
GMW-43	02/10/09	74.44	---	26.79	---	47.65
GMW-43	04/20/09	74.44	---	27.11	---	47.33
GMW-43	10/19/09	74.44	---	27.31	---	47.13
GMW-43	04/08/10	74.44	---	26.52	---	47.92
GMW-43	04/12/10	74.44	---	26.24	---	48.2
GMW-43	01/08/11	74.44	---	26.95	---	47.49
GMW-43	04/07/11	74.44	---	25.76	---	48.68
GMW-43	07/08/11	74.44	---	26.1	---	48.34
GMW-43	10/06/11	74.44	---	26.65	---	47.79
GMW-43	04/12/12	74.44	---	27.86	---	46.58
GMW-43	04/16/12	74.44	---	27.74	---	46.7
GMW-43	01/10/13	74.44	---	29.27	---	45.17
GMW-43	04/03/13	74.44	---	29.24	---	45.2
GMW-43	04/08/13	74.44	---	29.11	---	45.33
GMW-43	10/02/13	74.44	---	30	---	44.44
GMW-44	05/28/96	74.45	---	27.19	---	47.26
GMW-44	11/20/96	74.45	---	28.29	---	46.16
GMW-44	07/01/97	74.45	---	27.75	---	46.7
GMW-44	12/31/97	74.45	---	27.9	---	46.55
GMW-44	05/01/98	74.45	---	25.13	---	49.32
GMW-44	05/25/99	74.45	---	25.88	---	48.57
GMW-44	05/15/00	74.45	---	26.63	---	47.82
GMW-44	11/13/00	74.45	---	27.16	---	47.29
GMW-44	05/07/01	74.45	---	25.38	---	49.07
GMW-44	04/08/02	74.45	---	26.7	---	47.75
GMW-44	10/21/02	74.45	---	26.88	---	47.57
GMW-44	04/07/03	74.45	---	26.3	---	48.15
GMW-44	10/06/03	74.45	---	26.29	---	48.16
GMW-44	04/19/04	74.45	---	28.45	---	46
GMW-44	05/02/05	74.45	---	22	---	52.45
GMW-44	11/03/05	74.45	---	27.21	---	47.24
GMW-44	05/01/06	74.45	---	23.98	---	50.47
GMW-44	12/01/06	74.45	---	24.81	---	49.64
GMW-44	04/30/07	74.45	---	25.32	---	49.13
GMW-44	11/12/07	74.45	---	25.82	---	48.63
GMW-44	04/14/08	74.45	---	25.45	---	49
GMW-44	07/24/08	74.45	---	25.95	---	48.5
GMW-44	10/14/08	74.45	---	26.6	---	47.85
GMW-44	02/10/09	74.45	---	26.87	---	47.58

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-44	04/20/09	74.45	---	26.51	---	47.94
GMW-44	10/19/09	74.45	---	27.43	---	47.02
GMW-44	04/08/10	74.45	---	26.77	---	47.68
GMW-44	04/12/10	74.45	---	26.51	---	47.94
GMW-44	01/07/11	74.45	---	27.47	---	46.98
GMW-44	04/08/11	74.45	---	26.05	---	48.4
GMW-44	07/08/11	74.45	---	NM	---	NC
GMW-44	10/06/11	74.45	---	26.91	---	47.54
GMW-44	04/12/12	74.45	---	28.13	---	46.32
GMW-44	04/16/12	74.45	---	27.92	---	46.53
GMW-44	01/10/13	74.45	---	29.54	---	44.91
GMW-44	04/03/13	74.45	---	29.51	---	44.94
GMW-44	04/08/13	74.45	---	29.42	---	45.03
GMW-44	10/02/13	74.45	---	30.25	---	44.2
GMW-45	05/28/96	75.67	---	28.3	---	47.37
GMW-45	11/20/96	75.67	---	29.21	---	46.46
GMW-45	07/01/97	75.67	---	28.32	---	47.35
GMW-45	12/31/97	75.67	---	28.81	---	46.86
GMW-45	05/01/98	75.67	---	25.75	---	49.92
GMW-45	05/25/99	75.67	---	26.74	---	48.93
GMW-45	05/15/00	75.67	---	27.68	---	47.99
GMW-45	11/13/00	75.67	---	28.02	---	47.65
GMW-45	05/07/01	75.67	---	28.65	---	47.02
GMW-45	04/08/02	75.67	---	27.92	---	47.75
GMW-45	10/21/02	75.67	---	28.33	---	47.34
GMW-45	04/07/03	75.67	---	27.5	---	48.17
GMW-45	10/06/03	75.67	---	27.26	---	48.41
GMW-45	04/19/04	75.67	---	28.17	---	47.5
GMW-45	11/01/04	75.67	---	28.35	---	47.32
GMW-45	05/02/05	75.67	---	23.15	---	52.52
GMW-45	03/06/06	75.67	---	25.21	---	50.46
GMW-45	05/01/06	75.67	---	25.15	---	50.52
GMW-45	08/26/06	75.67	---	25.53	---	50.14
GMW-45	12/01/06	75.67	---	25.96	---	49.71
GMW-45	03/21/07	75.67	---	26.09	---	49.58
GMW-45	04/27/07	75.67	---	26.48	---	49.19
GMW-45	08/28/07	75.67	---	26.42	---	49.25
GMW-45	11/12/07	75.67	---	26.94	---	48.73
GMW-45	02/05/08	74.45	---	27.52	---	46.93
GMW-45	04/11/08	75.67	---	26.76	---	48.91
GMW-45	07/24/08	75.67	---	27.27	---	48.4
GMW-45	10/13/08	75.67	---	27.95	---	47.72
GMW-45	02/09/09	74.45	---	27.68	---	46.77
GMW-45	04/20/09	75.67	---	27.58	---	48.09
GMW-45	07/16/09	75.67	---	27.91	---	47.76
GMW-45	10/19/09	75.67	---	28.54	---	47.13
GMW-45	04/07/10	75.67	---	28.22	---	47.45
GMW-45	04/12/10	75.67	---	27.85	---	47.82
GMW-45	01/06/11	75.67	---	28.75	---	46.92
GMW-45	04/07/11	75.67	---	27.38	---	48.29
GMW-45	07/07/11	75.67	---	27.63	---	48.04
GMW-45	10/07/11	75.67	---	28.22	---	47.45
GMW-45	04/12/12	75.67	---	29.3	---	46.37
GMW-45	04/19/12	75.67	---	29.02	---	46.65
GMW-45	01/10/13	75.67	---	30.35	---	45.32
GMW-45	04/02/13	75.67	---	30.34	---	45.33
GMW-45	04/08/13	75.67	---	30.29	---	45.38
GMW-45	10/01/13	75.67	31.07	31.09	0.02	44.5968

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-46	08/26/06	76.1	---	24.72	---	51.38
GMW-46	08/28/07	75.31	---	25.89	---	49.42
GMW-47	05/28/96	75.98	---	28.45	---	47.53
GMW-47	11/20/96	75.98	---	29.43	---	46.55
GMW-47	07/01/97	75.98	---	28.34	---	47.64
GMW-47	12/31/97	75.98	---	28.9	---	47.08
GMW-47	05/01/98	75.98	---	25.79	---	50.19
GMW-47	05/25/99	75.98	---	26.91	---	49.07
GMW-47	05/15/00	75.98	---	27.61	---	48.37
GMW-47	11/13/00	75.98	---	28.13	---	47.85
GMW-47	02/05/01	75.98	---	27.17	---	48.81
GMW-47	05/07/01	75.98	---	26.71	---	49.27
GMW-47	04/08/02	75.98	---	27.21	---	48.77
GMW-47	09/19/02	75.98	---	28.5	---	47.48
GMW-47	10/21/02	75.98	---	29.04	---	46.94
GMW-47	04/07/03	75.98	---	27.82	---	48.16
GMW-47	10/06/03	75.98	---	27.44	---	48.54
GMW-47	04/19/04	75.98	---	28.27	---	47.71
GMW-47	11/01/04	75.98	---	28.6	---	47.38
GMW-47	02/28/05	75.98	---	24.87	---	51.11
GMW-47	05/02/05	75.98	---	23.17	---	52.81
GMW-47	03/06/06	75.98	---	24.67	---	51.31
GMW-47	05/01/06	75.98	---	25.16	---	50.82
GMW-47	08/26/06	75.98	---	25.62	---	50.36
GMW-47	12/01/06	75.98	---	26.15	---	49.83
GMW-47	03/21/07	75.98	---	26.3	---	49.68
GMW-47	04/27/07	75.98	---	26.71	---	49.27
GMW-47	08/28/07	75.98	---	26.74	---	49.24
GMW-47	11/12/07	75.98	---	27.12	---	48.86
GMW-47	02/05/08	75.98	---	27.75	---	48.23
GMW-47	04/11/08	75.98	---	26.93	---	49.05
GMW-47	07/24/08	75.98	---	27.49	---	48.49
GMW-47	10/13/08	75.98	---	28.19	---	47.79
GMW-47	02/09/09	75.98	---	28.07	---	47.91
GMW-47	04/20/09	75.98	---	27.66	---	48.32
GMW-47	07/16/09	75.98	---	28.22	---	47.76
GMW-47	07/20/09	75.98	---	28.1	---	47.88
GMW-47	10/19/09	75.98	---	28.48	---	47.5
GMW-47	01/11/10	75.98	---	29.1	---	46.88
GMW-47	04/07/10	75.98	---	NM	---	NC
GMW-47	04/12/10	75.98	---	28.52	---	47.46
GMW-47	01/06/11	75.98	---	29.05	---	46.93
GMW-47	04/07/11	75.98	---	27.5	---	48.48
GMW-47	07/07/11	75.98	---	27.83	---	48.15
GMW-47	10/06/11	75.98	---	28.41	---	47.57
GMW-47	01/10/12	75.98	---	28.71	---	47.27
GMW-47	04/12/12	75.98	---	29.55	---	46.43
GMW-47	04/20/12	75.98	---	29.26	---	46.72
GMW-47	01/10/13	75.98	---	30.57	---	45.41
GMW-47	04/02/13	75.98	---	30.55	---	45.43
GMW-47	04/08/13	75.98	---	30.55	---	45.43
GMW-47	10/01/13	75.98	---	31.28	---	44.7
GMW-48	05/28/96	75.03	---	27.4	---	47.63
GMW-48	11/20/96	75.03	---	28.4	---	46.63
GMW-48	07/01/97	75.03	27.11	27.58	0.47	NC
GMW-48	12/31/97	75.03	27.37	29.58	2.21	NC
GMW-48	05/01/98	75.03	23.63	24.46	0.83	NC
GMW-48	05/26/99	75.03	25.72	27.01	1.29	NC

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-48	05/15/00	75.03	26.31	26.49	0.18	NC
GMW-48	11/13/00	75.03	---	27.21	---	47.82
GMW-48	05/07/01	75.03	25.65	26.1	0.45	NC
GMW-48	04/08/02	75.03	---	NM	---	NC
GMW-48	09/19/02	75.03	---	26.5	---	48.53
GMW-48	10/21/02	75.03	---	27.1	---	47.93
GMW-48	04/07/03	75.03	25.89	25.9	0.01	NC
GMW-48	10/06/03	75.03	---	25.59	---	49.44
GMW-48	04/19/04	75.03	---	26.41	---	48.62
GMW-48	11/01/04	75.03	---	26.9	---	48.13
GMW-48	02/28/05	75.03	---	23	---	52.03
GMW-48	05/02/05	75.03	---	20.8	---	54.23
GMW-48	03/06/06	75.03	---	23.61	---	51.42
GMW-48	05/01/06	75.03	---	23.07	---	51.96
GMW-48	08/26/06	75.03	---	23.5	---	51.53
GMW-48	12/01/06	75.03	---	24.54	---	50.49
GMW-48	03/21/07	75.03	---	24.57	---	50.46
GMW-48	04/27/07	75.03	---	24.85	---	50.18
GMW-48	08/28/07	75.03	---	24.92	---	50.11
GMW-48	11/12/07	75.03	---	25.37	---	49.66
GMW-48	04/11/08	75.03	---	25.07	---	49.96
GMW-48	10/13/08	75.03	---	26.39	---	48.64
GMW-48	04/07/10	75.03	---	26.4	---	48.63
GMW-48	10/01/10	75.03	---	26.89	---	48.14
GMW-48	01/06/11	75.03	---	27.29	---	47.74
GMW-48	04/07/11	75.03	---	25.53	---	49.5
GMW-48	07/07/11	75.03	---	25.89	---	49.14
GMW-48	10/06/11	75.03	---	26.55	---	48.48
GMW-48	04/13/12	75.03	---	27.48	---	47.55
GMW-48	01/10/13	75.03	---	28.77	---	46.26
GMW-48	04/03/13	75.03	---	28.77	---	46.26
GMW-48	10/02/13	75.03	---	29.45	---	45.58
GMW-49	07/01/97	74.75	---	NM	0.6	NC
GMW-5	05/28/96	77.61	---	30.52	---	47.09
GMW-5	11/20/96	77.61	---	31.25	---	46.36
GMW-5	07/01/97	77.61	---	30.95	---	46.66
GMW-5	12/31/97	77.61	---	31.16	---	46.45
GMW-5	05/01/98	77.61	---	28.2	---	49.41
GMW-5	05/25/99	77.61	---	29.01	---	48.6
GMW-5	05/15/00	77.61	---	29.91	---	47.7
GMW-5	11/13/00	77.61	---	29.23	---	48.38
GMW-5	05/07/01	77.61	---	28.82	---	48.79
GMW-5	04/08/02	77.61	---	29.95	---	47.66
GMW-5	10/21/02	77.61	---	30.11	---	47.5
GMW-5	04/07/03	77.61	---	29.68	---	47.93
GMW-5	10/06/03	77.61	---	29.55	---	48.06
GMW-5	04/19/04	77.61	---	30.53	---	47.08
GMW-5	05/02/05	77.61	---	25.73	---	NC
GMW-5	03/06/06	77.61	---	27.02	---	50.59
GMW-5	05/01/06	77.61	---	27.32	---	50.29
GMW-5	08/26/06	77.61	---	27.67	---	49.94
GMW-5	12/01/06	77.61	---	28.03	---	49.58
GMW-5	03/21/07	77.61	---	27.91	---	49.7
GMW-5	04/27/07	77.61	---	28.5	---	49.11
GMW-5	08/28/07	77.61	---	28.19	---	49.42
GMW-5	11/12/07	77.61	---	28.98	---	48.63
GMW-5	02/05/08	77.61	---	28.93	---	48.68
GMW-5	04/11/08	77.61	---	28.86	---	48.75

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-5	07/24/08	77.61	---	29.41	---	48.2
GMW-5	10/13/08	77.61	---	29.97	---	47.64
GMW-5	02/09/09	77.61	---	29.88	---	47.73
GMW-5	07/16/09	77.61	---	29.93	---	47.68
GMW-5	04/07/10	77.61	---	30.35	---	47.26
GMW-5	10/01/10	77.61	---	30.59	---	47.02
GMW-5	01/06/11	77.61	---	30.7	---	46.91
GMW-5	04/08/11	77.61	---	29.52	---	48.09
GMW-5	07/07/11	77.61	---	29.76	---	47.85
GMW-5	10/06/11	77.61	---	30.16	---	47.45
GMW-5	04/12/12	77.61	---	31.33	---	46.28
GMW-5	01/10/13	77.61	---	32.38	---	45.23
GMW-5	04/02/13	77.61	---	32.34	---	45.27
GMW-5	10/01/13	77.61	---	33.08	---	44.53
GMW-50	05/25/99	75.51	---	26.36	---	49.15
GMW-50	05/15/00	75.51	---	27.34	---	NC
GMW-50	05/07/01	75.51	25.95	26.26	0.31	NC
GMW-50	04/08/02	75.51	---	NM	---	NC
GMW-50	09/19/02	75.51	---	27.82	---	47.69
GMW-50	10/21/02	75.51	---	28.7	---	46.81
GMW-50	04/07/03	75.51	---	27	---	48.51
GMW-50	10/06/03	75.51	---	26.83	---	48.68
GMW-50	04/19/04	75.51	---	27.66	---	47.85
GMW-50	11/01/04	75.51	---	28.11	---	47.4
GMW-50	02/28/05	75.51	---	23.8	---	51.71
GMW-50	05/02/05	75.51	---	22.42	---	53.09
GMW-50	03/06/06	75.51	---	24.53	---	50.98
GMW-50	05/01/06	75.51	---	24.63	---	50.88
GMW-50	08/26/06	75.51	---	25.1	---	50.41
GMW-50	12/01/06	75.51	---	25.61	---	49.9
GMW-50	03/21/07	75.51	---	25.75	---	49.76
GMW-50	04/27/07	75.51	---	26.17	---	49.34
GMW-50	08/28/07	75.51	---	26.15	---	49.36
GMW-50	11/12/07	75.51	---	26.58	---	48.93
GMW-50	02/05/08	75.51	---	27.24	---	48.27
GMW-50	04/11/08	75.51	---	26.32	---	49.19
GMW-50	07/24/08	75.51	---	26.97	---	48.54
GMW-50	10/13/08	75.51	---	27.67	---	47.84
GMW-50	02/09/09	75.51	---	27.4	---	48.11
GMW-50	07/16/09	75.51	---	27.87	---	47.64
GMW-50	04/07/10	75.51	---	27.68	---	47.83
GMW-50	10/01/10	75.51	---	28.16	---	47.35
GMW-50	01/06/11	75.51	---	28.58	---	46.93
GMW-50	04/12/12	75.51	---	29	---	46.51
GMW-51	05/25/99	75.93	---	26.71	---	49.22
GMW-51	05/15/00	75.93	---	27.7	---	48.23
GMW-51	11/13/00	75.93	---	27.94	---	47.99
GMW-51	05/07/01	75.93	26.43	28.44	2.01	NC
GMW-51	04/08/02	75.93	---	NM	---	NC
GMW-51	09/19/02	75.93	---	28.22	---	47.71
GMW-51	10/21/02	75.93	---	29.13	---	46.8
GMW-51	04/07/03	75.93	---	27.55	---	48.38
GMW-51	10/06/03	75.93	---	27.15	---	48.78
GMW-51	04/19/04	75.93	---	27.99	---	47.94
GMW-51	11/01/04	75.93	---	28.47	---	47.46
GMW-51	02/28/05	75.93	---	24.24	---	51.69
GMW-51	05/02/05	75.93	---	22.61	---	53.32
GMW-51	03/06/06	75.93	---	25.02	---	50.91

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-51	05/01/06	75.93	---	25.04	---	50.89
GMW-51	08/26/06	75.93	---	25.51	---	50.42
GMW-51	12/01/06	75.93	---	25.98	---	49.95
GMW-51	03/21/07	75.93	---	26.12	---	49.81
GMW-51	04/27/07	75.93	---	26.54	---	49.39
GMW-51	08/28/07	75.93	---	26.5	---	49.43
GMW-51	11/12/07	75.93	---	26.95	---	48.98
GMW-51	02/05/08	75.93	---	27.59	---	48.34
GMW-51	04/11/08	75.93	---	26.69	---	49.24
GMW-51	07/24/08	75.93	---	27.15	---	48.78
GMW-51	10/13/08	75.93	---	28.05	---	47.88
GMW-51	02/09/09	75.93	---	27.49	---	48.44
GMW-51	07/16/09	75.93	---	28.15	---	47.78
GMW-51	04/07/10	75.93	---	28.08	---	47.85
GMW-51	10/01/10	75.93	---	28.49	---	47.44
GMW-51	01/06/11	75.93	---	28.96	---	46.97
GMW-51	04/12/12	75.93	---	29.41	---	46.52
GMW-52	05/25/99	75.03	---	25.73	---	49.3
GMW-52	05/15/00	75.03	---	26.33	---	48.7
GMW-52	11/13/00	75.03	---	26.99	---	48.04
GMW-52	05/07/01	75.03	---	25.15	---	49.88
GMW-52	04/08/02	75.03	---	26.61	---	48.42
GMW-52	10/21/02	75.03	---	27.15	---	47.88
GMW-52	04/07/03	75.03	---	26.34	---	48.69
GMW-52	10/06/03	75.03	---	26.21	---	48.82
GMW-52	04/19/04	75.03	---	26.97	---	48.06
GMW-52	11/01/04	75.03	---	27.62	---	47.41
GMW-52	05/02/05	75.03	---	21.16	---	53.87
GMW-52	03/06/06	75.03	---	23.95	---	51.08
GMW-52	05/01/06	75.03	---	23.95	---	51.08
GMW-52	08/26/06	75.03	---	24.4	---	NC
GMW-52	12/01/06	75.03	---	24.92	---	50.11
GMW-52	03/21/07	75.03	---	25.17	---	49.86
GMW-52	04/30/07	75.03	---	25.38	---	49.65
GMW-52	08/28/07	75.03	---	25.8	---	49.23
GMW-52	11/12/07	75.03	---	25.93	---	49.1
GMW-52	02/05/08	75.03	---	26.71	---	48.32
GMW-52	04/14/08	75.03	---	25.46	---	49.57
GMW-52	07/24/08	75.03	---	25.89	---	49.14
GMW-52	10/14/08	75.03	---	26.69	---	48.34
GMW-52	02/10/09	75.03	---	26.95	---	48.08
GMW-52	07/16/09	75.03	---	27.25	---	47.78
GMW-52	04/08/10	75.03	---	26.71	---	48.32
GMW-52	10/01/10	75.03	---	27.42	---	47.61
GMW-52	01/08/11	75.03	---	27.77	---	47.26
GMW-52	04/12/12	75.03	---	28.96	---	46.07
GMW-53	05/25/99	74.9	---	25.6	---	49.3
GMW-53	05/15/00	74.9	---	26.2	---	48.7
GMW-53	05/07/01	74.9	---	25	---	49.9
GMW-53	04/08/02	74.9	---	26.47	---	48.43
GMW-53	10/21/02	74.9	---	27.04	---	47.86
GMW-53	04/07/03	74.9	---	26.24	---	48.66
GMW-53	10/06/03	74.9	---	26.08	---	48.82
GMW-53	04/19/04	74.9	---	26.83	---	48.07
GMW-53	11/01/04	74.9	---	27.54	---	47.36
GMW-53	05/02/05	74.9	---	21.34	---	53.56
GMW-53	03/06/06	74.9	---	23.87	---	51.03
GMW-53	05/01/06	74.9	---	23.85	---	51.05

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**

*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-53	08/26/06	74.9	---	24.34	---	50.56
GMW-53	12/01/06	74.9	---	24.85	---	50.05
GMW-53	03/21/07	74.9	---	24.92	---	49.98
GMW-53	04/30/07	74.9	---	25.26	---	49.64
GMW-53	08/28/07	74.9	---	25.11	---	49.79
GMW-53	11/12/07	74.9	---	25.83	---	49.07
GMW-53	02/05/08	74.9	---	26.25	---	48.65
GMW-53	04/14/08	74.9	---	25.38	---	49.52
GMW-53	10/14/08	74.9	---	26.58	---	48.32
GMW-53	02/10/09	74.9	---	26.78	---	48.12
GMW-53	07/16/09	74.9	---	27.04	---	47.86
GMW-53	04/08/10	74.9	26.83	26.84	0.01	NC
GMW-53	10/01/10	74.9	---	27.29	---	47.61
GMW-53	01/08/11	74.9	---	27.67	---	47.23
GMW-53	04/12/12	74.9	---	28.15	---	46.75
GMW-54	11/20/96	75.16	---	NM	0.79	NC
GMW-54	07/01/97	75.16	---	NM	0.55	NC
GMW-54	12/31/97	75.16	---	NM	0.47	NC
GMW-54	05/25/99	75.16	---	26.68	---	48.48
GMW-54	05/15/00	75.16	---	27.4	---	47.76
GMW-54	11/13/00	75.16	---	26.93	---	48.23
GMW-54	05/07/01	75.16	---	25.63	---	49.53
GMW-54	04/08/02	75.16	---	27.06	---	48.1
GMW-54	10/21/02	75.16	---	27.43	---	47.73
GMW-54	04/07/03	75.16	---	26.78	---	48.38
GMW-54	10/06/03	75.16	---	26.95	---	48.21
GMW-54	04/19/04	75.16	---	28.33	---	46.83
GMW-54	11/01/04	75.16	---	28.11	---	47.05
GMW-54	05/02/05	75.16	---	22.06	---	53.1
GMW-54	05/01/06	75.16	---	24.45	---	50.71
GMW-54	12/01/06	75.16	---	25.36	---	49.8
GMW-54	04/30/07	75.16	---	25.74	---	49.42
GMW-54	11/12/07	75.16	---	26.35	---	48.81
GMW-54	04/11/08	75.16	---	25.91	---	49.25
GMW-54	07/24/08	75.16	---	26.05	---	49.11
GMW-54	10/14/08	75.16	---	26.94	---	48.22
GMW-54	02/10/09	75.16	---	26.78	---	48.38
GMW-54	04/08/10	75.16	---	27.25	---	47.91
GMW-54	10/01/10	75.16	---	27.68	---	47.48
GMW-54	01/07/11	75.16	---	28.14	---	47.02
GMW-54	04/12/12	75.16	---	28.36	---	46.8
GMW-54	10/02/13	75.16	---	30.5	---	44.66
GMW-55	05/25/99	74.6	---	26.11	---	48.49
GMW-55	05/15/00	74.6	---	26.83	---	47.77
GMW-55	11/13/00	74.6	---	26.36	---	48.24
GMW-55	05/07/01	74.6	---	24.91	---	49.69
GMW-55	04/08/02	74.6	---	26.43	---	48.17
GMW-55	10/21/02	74.6	---	26.85	---	47.75
GMW-55	04/07/03	74.6	---	26.22	---	48.38
GMW-55	10/06/03	74.6	---	26.35	---	48.25
GMW-55	04/19/04	74.6	---	27.77	---	46.83
GMW-55	11/01/04	74.6	---	27.59	---	47.01
GMW-55	05/02/05	74.6	---	22.33	---	52.27
GMW-55	05/01/06	74.6	---	23.94	---	50.66
GMW-55	12/01/06	74.6	---	24.78	---	49.82
GMW-55	04/30/07	74.6	---	25.11	---	49.49
GMW-55	11/12/07	74.6	---	25.89	---	48.71
GMW-55	04/11/08	74.6	---	25.46	---	49.14



**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-55	10/14/08	74.6	---	26.38	---	48.22
GMW-55	04/20/09	74.6	---	28.31	---	46.29
GMW-55	04/08/10	74.6	---	26.66	---	47.94
GMW-55	10/01/10	74.6	---	27.15	---	47.45
GMW-55	01/07/11	74.6	---	27.61	---	46.99
GMW-55	04/12/12	74.6	---	NM	---	NC
GMW-56	07/07/11	76.52	---	28.45	---	48.07
GMW-56	10/07/11	76.52	---	28.98	---	47.54
GMW-56	04/12/12	76.52	---	30.04	---	46.48
GMW-56	01/10/13	76.52	---	31.05	---	45.47
GMW-56	04/02/13	76.52	---	31.04	---	45.48
GMW-56	10/01/13	76.52	---	31.78	---	44.74
GMW-57	07/07/11	76.66	---	28.53	---	48.13
GMW-57	10/06/11	76.66	---	29.12	---	47.54
GMW-57	01/09/12	76.66	---	29.48	---	47.18
GMW-57	04/12/12	76.66	---	30.15	---	46.51
GMW-57	04/17/12	76.66	---	29.85	---	46.81
GMW-57	01/10/13	76.66	---	31.18	---	45.48
GMW-57	04/02/13	76.66	---	31.18	---	45.48
GMW-57	04/08/13	76.66	---	31.04	---	45.62
GMW-57	10/01/13	76.66	---	31.88	---	44.78
GMW-58	07/08/11	75.48	---	26.46	---	49.02
GMW-58	10/06/11	75.48	---	27.11	---	48.37
GMW-58	01/10/12	75.48	---	27.42	---	48.06
GMW-58	04/12/12	75.48	---	28.2	---	47.28
GMW-58	04/18/12	75.48	---	27.86	---	47.62
GMW-58	01/11/13	75.48	---	29.26	---	46.22
GMW-58	04/03/13	75.48	---	29.23	---	46.25
GMW-58	04/08/13	75.48	---	29.17	---	46.31
GMW-58	10/02/13	75.48	---	29.9	---	45.58
GMW-59	07/07/11	75.28	---	25.69	---	49.59
GMW-59	10/06/11	75.28	---	26.35	---	48.93
GMW-59	01/10/12	75.28	---	26.8	---	48.48
GMW-59	04/12/12	75.28	27.55	27.56	0.01	NC
GMW-59	04/20/12	75.28	---	27.28	---	48
GMW-59	01/10/13	75.28	---	28.6	---	46.68
GMW-59	04/03/13	75.28	---	28.62	---	46.66
GMW-59	04/08/13	75.28	---	29.02	---	46.26
GMW-59	10/01/13	75.28	---	29.35	---	45.93
GMW-6	11/20/96	77.31	---	30.76	---	46.55
GMW-6	07/01/97	77.31	---	30.12	---	47.19
GMW-6	12/31/97	77.31	---	30.52	---	46.79
GMW-6	05/01/98	77.31	---	27.48	---	49.83
GMW-6	05/25/99	77.31	---	28.44	---	48.87
GMW-6	05/15/00	77.31	---	29.34	---	47.97
GMW-6	11/13/00	77.31	---	28.67	---	48.64
GMW-6	05/07/01	77.31	---	28.05	---	49.26
GMW-6	04/08/02	77.31	---	29.35	---	47.96
GMW-6	10/21/02	77.31	---	29.9	---	47.41
GMW-6	04/07/03	77.31	---	29.2	---	48.11
GMW-6	10/06/03	77.31	---	29.04	---	48.27
GMW-6	04/19/04	77.31	---	29.97	---	47.34
GMW-6	11/01/04	77.31	---	29.9	---	47.41
GMW-6	05/02/05	77.31	---	24.97	---	52.34
GMW-6	03/06/06	77.31	---	26.54	---	50.77
GMW-6	05/01/06	77.31	---	26.75	---	50.56
GMW-6	08/26/06	77.31	---	27.12	---	50.19
GMW-6	12/01/06	77.31	---	27.52	---	49.79



**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-6	03/21/07	77.31	---	28.06	---	49.25
GMW-6	04/27/07	77.31	---	28.02	---	49.29
GMW-6	08/28/07	77.31	---	28.51	---	48.8
GMW-6	11/12/07	77.31	---	28.48	---	48.83
GMW-6	02/05/08	77.31	---	29.32	---	47.99
GMW-6	04/11/08	77.31	---	28.34	---	48.97
GMW-6	07/24/08	77.31	---	28.81	---	48.5
GMW-6	10/13/08	77.31	---	29.48	---	47.83
GMW-6	02/09/09	77.31	---	29.62	---	47.69
GMW-6	04/20/09	77.31	---	29.21	---	48.1
GMW-6	07/16/09	77.31	---	29.51	---	47.8
GMW-6	10/19/09	77.31	---	29.94	---	47.37
GMW-6	04/07/10	77.31	---	29.74	---	47.57
GMW-6	04/12/10	77.31	---	29.42	---	47.89
GMW-6	01/06/11	77.31	---	30.23	---	47.08
GMW-6	02/24/11	77.31	---	29.29	---	48.02
GMW-6	04/08/11	77.31	---	28.86	---	48.45
GMW-6	07/07/11	77.31	---	29.16	---	48.15
GMW-6	10/06/11	77.31	---	29.62	---	47.69
GMW-6	04/12/12	77.31	---	30.86	---	46.45
GMW-6	04/19/12	77.31	---	30.57	---	46.74
GMW-6	01/10/13	77.31	---	31.96	---	45.35
GMW-6	04/02/13	77.31	---	31.91	---	45.4
GMW-6	04/08/13	77.31	---	31.91	---	45.4
GMW-6	10/01/13	77.31	---	32.66	---	44.65
GMW-60	11/01/04	76.24	---	28.7	---	47.54
GMW-60	02/28/05	76.24	---	24.9	---	51.34
GMW-60	05/02/05	76.24	---	23.04	---	53.2
GMW-60	03/06/06	76.24	---	25.3	---	50.94
GMW-60	05/01/06	76.24	---	25.54	---	50.7
GMW-60	08/26/06	76.24	---	25.87	---	50.37
GMW-60	12/01/06	76.24	---	26.34	---	49.9
GMW-60	03/21/07	76.24	---	26.75	---	49.49
GMW-60	04/27/07	76.24	---	26.94	---	49.3
GMW-60	08/28/07	76.24	---	27.03	---	49.21
GMW-60	11/12/07	76.24	---	27.41	---	48.83
GMW-60	02/05/08	76.24	---	27.92	---	48.32
GMW-60	04/11/08	76.24	---	27.05	---	49.19
GMW-60	07/24/08	76.24	---	27.64	---	48.6
GMW-60	10/13/08	76.24	---	28.46	---	47.78
GMW-60	02/09/09	76.24	---	28.27	---	47.97
GMW-60	04/20/09	76.24	---	28.21	---	48.03
GMW-60	07/16/09	76.24	---	28.37	---	47.87
GMW-60	07/20/09	76.24	---	28.61	---	47.63
GMW-60	10/19/09	76.24	---	28.81	---	47.43
GMW-60	01/11/10	76.24	---	29.53	---	46.71
GMW-60	04/07/10	76.24	---	28.54	---	47.7
GMW-60	04/12/10	76.24	---	28.04	---	48.2
GMW-60	01/08/11	76.24	---	29.09	---	47.15
GMW-60	04/08/11	76.24	---	27.53	---	48.71
GMW-60	07/07/11	76.24	---	28.02	---	48.22
GMW-60	10/06/11	76.24	---	28.65	---	47.59
GMW-60	01/10/12	76.24	---	28.46	---	47.78
GMW-60	04/12/12	76.24	---	29.65	---	46.59
GMW-60	04/20/12	76.24	---	29.47	---	46.77
GMW-60	01/11/13	76.24	---	30.65	---	45.59
GMW-60	04/03/13	76.24	---	30.62	---	45.62
GMW-60	04/08/13	76.24	---	31.28	---	44.96

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-60	10/01/13	76.24	---	31.35	---	44.89
GMW-61	11/01/04	75.6	---	28.02	---	47.58
GMW-61	02/28/05	75.6	---	23.81	---	51.79
GMW-61	05/02/05	75.6	---	22.18	---	53.42
GMW-61	03/06/06	75.6	---	24.53	---	51.07
GMW-61	05/01/06	75.6	---	24.64	---	50.96
GMW-61	08/26/06	75.6	---	25.13	---	50.47
GMW-61	12/01/06	75.6	---	25.6	---	50
GMW-61	03/21/07	75.6	---	26.01	---	49.59
GMW-61	04/27/07	75.6	---	26.25	---	49.35
GMW-61	08/28/07	75.6	---	26.21	---	49.39
GMW-61	11/12/07	75.6	---	26.67	---	48.93
GMW-61	02/05/08	75.6	---	27.17	---	48.43
GMW-61	04/11/08	75.6	---	26.29	---	49.31
GMW-61	07/24/08	75.6	---	27.01	---	48.59
GMW-61	10/13/08	75.6	---	27.73	---	47.87
GMW-61	02/09/09	75.6	---	27.56	---	48.04
GMW-61	04/20/09	75.6	---	27.14	---	48.46
GMW-61	07/16/09	75.6	---	27.69	---	47.91
GMW-61	07/20/09	75.6	---	27.84	---	47.76
GMW-61	10/19/09	75.6	---	28.22	---	47.38
GMW-61	01/11/10	75.6	---	28.81	---	46.79
GMW-61	04/07/10	75.6	---	27.67	---	47.93
GMW-61	04/12/10	75.6	---	27.22	---	48.38
GMW-61	01/08/11	75.6	---	28.37	---	47.23
GMW-61	04/08/11	75.6	---	26.68	---	48.92
GMW-61	07/07/11	75.6	---	27.23	---	48.37
GMW-61	10/06/11	75.6	---	27.92	---	47.68
GMW-61	01/10/12	75.6	---	28.41	---	47.19
GMW-61	04/12/12	75.6	---	29.06	---	46.54
GMW-61	04/19/12	75.6	---	28.71	---	46.89
GMW-61	01/11/13	75.6	---	30.05	---	45.55
GMW-61	04/03/13	75.6	---	30.11	---	45.49
GMW-61	04/08/13	75.6	---	30.01	---	45.59
GMW-61	10/02/13	75.6	---	30.7	---	44.9
GMW-62	07/02/07	76.34	---	27.03	---	49.31
GMW-62	02/05/08	76.34	---	27.79	---	48.55
GMW-62	04/14/08	76.34	---	26.87	---	49.47
GMW-62	07/24/08	76.34	---	27.98	---	48.36
GMW-62	10/14/08	76.34	---	28.24	---	48.1
GMW-62	02/10/09	76.34	---	28.31	---	48.03
GMW-62	04/20/09	76.34	---	27.94	---	48.4
GMW-62	07/17/09	76.34	---	28.15	---	48.19
GMW-62	07/21/09	76.34	---	28.3	---	48.04
GMW-62	10/19/09	76.34	---	29	---	47.34
GMW-62	01/11/10	76.34	---	29.51	---	46.83
GMW-62	04/12/10	76.34	---	28.24	---	48.1
GMW-62	01/10/11	76.34	28.78	29.08	0.3	NC
GMW-62	04/07/11	76.34	26.89	28.57	1.68	NC
GMW-62	07/07/11	76.34	28.03	28.14	0.11	NC
GMW-62	10/06/11	76.34	28.45	29.39	0.94	NC
GMW-62	01/09/12	76.34	28.97	29.02	0.05	NC
GMW-62	04/12/12	76.34	29.58	29.68	0.1	NC
GMW-62	04/18/12	76.34	29.40	29.46	0.06	NC
GMW-62	01/11/13	76.34	---	30.62	---	45.72
GMW-62	04/03/13	76.34	30.42	31.36	0.94	NC
GMW-62	04/08/13	76.34	30.35	32.13	1.78	NC
GMW-62	10/02/13	76.34	31	32.33	1.33	45.1272

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-63	10/14/08	77.32	---	29.17	---	48.15
GMW-63	02/10/09	77.32	---	29.08	---	48.24
GMW-63	04/20/09	77.32	---	28.71	---	48.61
GMW-63	07/17/09	77.32	---	29.11	---	48.21
GMW-63	07/21/09	77.32	---	29.15	---	48.17
GMW-63	10/19/09	77.32	---	29.84	---	47.48
GMW-63	01/11/10	77.32	---	30.12	---	47.2
GMW-63	04/12/10	77.32	---	29.22	---	48.1
GMW-63	01/08/11	77.32	---	29.35	---	47.97
GMW-63	04/07/11	77.32	---	28.63	---	48.69
GMW-63	07/07/11	77.32	---	29.13	---	48.19
GMW-63	10/06/11	77.32	---	29.63	---	47.69
GMW-63	01/09/12	77.32	---	29.83	---	47.49
GMW-63	04/12/12	77.32	---	30.51	---	46.81
GMW-63	04/17/12	77.32	---	30.25	---	47.07
GMW-63	01/11/13	77.32	---	31.23	---	46.09
GMW-63	04/03/13	77.32	---	31.28	---	46.04
GMW-63	04/08/13	77.32	---	31.14	---	46.18
GMW-63	10/02/13	77.32	---	31.92	---	45.4
GMW-64	10/14/08	75.84	---	27.6	---	48.24
GMW-64	02/10/09	75.84	---	27.47	---	48.37
GMW-64	04/20/09	75.84	---	27	---	48.84
GMW-64	07/17/09	75.84	---	27.37	---	48.47
GMW-64	07/21/09	75.84	---	27.52	---	48.32
GMW-64	10/19/09	75.84	---	28.11	---	47.73
GMW-64	01/11/10	75.84	---	28.53	---	47.31
GMW-64	04/12/10	75.84	---	27.1	---	48.74
GMW-64	01/08/11	75.84	---	27.81	---	48.03
GMW-64	04/07/11	75.84	---	26.45	---	49.39
GMW-64	07/07/11	75.84	---	27.21	---	48.63
GMW-64	10/06/11	75.84	---	27.86	---	47.98
GMW-64	01/09/12	75.84	---	28.21	---	47.63
GMW-64	04/12/12	75.84	---	28.96	---	46.88
GMW-64	04/17/12	75.84	---	28.65	---	47.19
GMW-64	01/11/13	75.84	---	29.69	---	46.15
GMW-64	04/03/13	75.84	---	29.72	---	46.12
GMW-64	04/08/13	75.84	---	29.53	---	46.31
GMW-64	10/02/13	75.84	---	30.49	---	45.35
GMW-65	07/17/09	76.78	---	28.65	---	48.13
GMW-65	07/21/09	76.78	---	28.83	---	47.95
GMW-65	10/19/09	76.78	---	29.6	---	47.18
GMW-65	01/11/10	76.78	---	29.8	---	46.98
GMW-65	04/12/10	76.78	---	28.68	---	48.1
GMW-65	01/08/11	76.78	---	29.39	---	47.39
GMW-65	04/07/11	76.78	---	27.98	---	48.8
GMW-65	07/07/11	76.78	---	28.63	---	48.15
GMW-65	10/06/11	76.78	---	29.18	---	47.6
GMW-65	01/09/12	76.78	---	29.43	---	47.35
GMW-65	04/12/12	76.78	---	30.15	---	46.63
GMW-65	04/18/12	76.78	---	29.85	---	46.93
GMW-65	01/11/13	76.78	---	31.08	---	45.7
GMW-65	04/03/13	76.78	---	31.07	---	45.71
GMW-65	04/08/13	76.78	---	30.92	---	45.86
GMW-65	10/02/13	76.78	---	31.75	---	45.03
GMW-66	10/19/09	77	---	29.73	---	47.27
GMW-66	04/12/10	77	---	29.64	---	47.36
GMW-66	04/07/11	77	---	28.63	---	48.37
GMW-66	07/07/11	77	---	28.96	---	48.04
GMW-66	10/06/11	77	---	29.48	---	47.52

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**

*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-66	04/12/12	77	---	30.46	---	46.54
GMW-66	04/17/12	77	---	30.11	---	46.89
GMW-66	01/10/13	77	---	31.36	---	45.64
GMW-66	04/02/13	77	---	31.34	---	45.66
GMW-66	04/08/13	77	---	31.25	---	45.75
<b>GMW-66</b>	<b>10/01/13</b>	<b>77</b>	<b>---</b>	<b>32.06</b>	<b>---</b>	<b>44.94</b>
GMW-7	05/28/96	75.84	27.21	32.89	5.68	NC
GMW-7	07/01/97	75.84	28.30	31.57	3.27	NC
GMW-7	12/31/97	75.84	28.30	32.1	3.8	NC
GMW-7	05/01/98	75.84	20.80	25.9	5.1	NC
GMW-7	05/25/99	75.84	26.18	30.37	4.19	NC
GMW-7	05/15/00	75.84	---	30.13	---	45.71
GMW-7	11/13/00	75.84	---	29.17	---	46.67
GMW-7	05/07/01	75.84	26.45	27.4	0.95	NC
GMW-7	04/08/02	75.84	---	28.77	---	47.07
GMW-7	09/19/02	75.84	---	28.73	---	47.11
GMW-7	10/21/02	75.84	---	28.05	---	47.79
GMW-7	04/07/03	75.84	27.77	28.15	0.38	NC
GMW-7	10/06/03	75.84	27.60	27.78	0.18	NC
GMW-7	04/19/04	75.84	29.05	29.17	0.12	NC
GMW-7	11/01/04	75.84	27.76	28.01	0.25	NC
GMW-7	02/28/05	75.84	---	24.65	---	51.19
GMW-7	05/02/05	75.84	---	23.9	---	51.94
GMW-7	03/06/06	75.84	---	25.4	---	50.44
GMW-7	05/01/06	75.84	---	25.3	---	50.54
GMW-7	08/26/06	75.84	---	25.66	---	50.18
GMW-7	12/01/06	75.84	---	25.98	---	49.86
GMW-7	03/21/07	75.84	---	26.58	---	49.26
GMW-7	04/30/07	75.84	---	26.49	---	49.35
GMW-7	08/28/07	75.84	---	26.92	---	48.92
GMW-7	11/12/07	75.84	---	27.08	---	48.76
GMW-7	02/05/08	75.84	---	27.61	---	48.23
GMW-7	04/14/08	75.84	---	26.7	---	49.14
GMW-7	10/14/08	75.84	27.76	27.79	0.03	NC
GMW-7	02/10/09	75.84	---	26.23	---	49.61
GMW-7	07/17/09	75.84	---	27.65	---	48.19
GMW-7	04/08/10	75.84	---	28.9	---	46.94
GMW-7	10/01/10	75.84	---	28.54	---	47.3
GMW-7	01/08/11	75.84	---	28.62	---	47.22
GMW-7	04/12/12	75.84	---	29.28	---	46.56
<b>GMW-7</b>	<b>10/02/13</b>	<b>75.84</b>	<b>31.28</b>	<b>31.41</b>	<b>0.13</b>	<b>44.5392</b>
GMW-8	05/28/96	73.2	---	26.42	---	46.78
GMW-8	11/20/96	73.2	---	26.72	---	46.48
GMW-8	07/01/97	73.2	---	28.07	---	45.13
GMW-8	12/31/97	73.2	---	26.85	---	46.35
GMW-8	05/01/98	73.2	---	24.24	---	48.96
GMW-8	05/04/99	73.2	---	25.51	---	47.69
GMW-8	11/15/99	73.2	---	25.66	---	47.54
GMW-8	05/15/00	73.2	---	26.03	---	47.17
GMW-8	11/13/00	73.2	---	26.45	---	46.75
GMW-8	05/07/01	73.2	---	24.49	---	48.71
GMW-8	11/05/01	73.2	---	24.38	---	48.82
GMW-8	04/08/02	73.2	---	25.49	---	47.71
GMW-8	10/21/02	73.2	---	26.43	---	46.77
GMW-8	04/07/03	73.2	---	24.93	---	48.27
GMW-8	10/06/03	73.2	---	25.72	---	47.48
GMW-8	01/11/04	73.2	---	26.95	---	46.25
GMW-8	04/19/04	73.2	---	27	---	46.2
GMW-8	05/02/05	73.2	---	21.74	---	51.46

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**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-8	10/31/05	73.2	---	27.13	---	46.07
GMW-8	05/01/06	73.2	---	22.59	---	50.61
GMW-8	12/04/06	73.2	---	23.34	---	49.86
GMW-8	04/30/07	73.2	---	23.46	---	49.74
GMW-8	11/12/07	73.2	---	23.83	---	49.37
GMW-8	04/14/08	73.2	---	24.29	---	48.91
GMW-8	10/13/08	73.2	---	24.43	---	48.77
GMW-8	04/20/09	73.2	---	24.88	---	48.32
GMW-8	10/19/09	73.2	---	25.69	---	47.51
GMW-8	05/24/10	73.2	---	25.98	---	47.22
GMW-8	05/28/10	73.2	---	25.87	---	47.33
GMW-8	10/04/10	73.2	---	25.8	---	47.4
GMW-8	04/11/11	73.2	---	NM	---	NC
GMW-8	10/10/11	73.2	---	NM	---	NC
GMW-8	04/16/12	73.2	---	NM	---	NC
GMW-8	07/09/12	73.2	---	NM	---	NC
GMW-8	10/15/12	73.2	---	NM	---	NC
GMW-8	04/08/13	73.2	---	NM	---	NC
GMW-8	06/14/13	73.2	---	29.02	---	44.18
GMW-9	08/07/01	74.44	27.23	27.74	0.51	NC
GMW-9	10/21/02	74.44	28.95	28.97	0.02	NC
GMW-9	04/07/03	74.44	29.56	29.59	0.02	NC
GMW-9	10/06/03	74.44	28.14	28.3	0.16	NC
GMW-9	01/11/04	74.44	---	NM	---	NC
GMW-9	04/19/04	74.44	---	28.71	---	45.73
GMW-9	05/02/05	74.44	---	24.72	---	49.72
GMW-9	10/31/05	74.44	25.31	25.56	0.25	NC
GMW-9	05/01/06	74.44	25.65	25.86	0.21	NC
GMW-9	12/04/06	74.44	27.79	27.88	0.9	NC
GMW-9	04/30/07	74.44	---	26.71	---	47.73
GMW-9	11/12/07	74.44	27.04	27.32	0.28	NC
GMW-9	08/08/08	74.44	27.96	28.01	0.05	NC
GMW-9	10/16/08	74.77	28.35	28.36	0.01	NC
GMW-9	04/21/09	74.44	---	28.16	---	46.28
GMW-9	10/19/09	74.44	---	NM	---	NC
GMW-9	05/24/10	74.44	---	30.47	---	43.97
GMW-9	05/28/10	74.44	---	30.35	---	44.09
GMW-9	10/04/10	74.44	---	30.3	---	44.14
GMW-9	01/10/11	74.44	---	32.02	---	42.42
GMW-9	04/11/11	74.44	---	25.41	---	49.03
GMW-9	07/11/11	74.44	---	NM	---	NC
GMW-9	10/10/11	74.44	---	28.91	---	45.53
GMW-9	04/16/12	74.44	---	31.15	---	43.29
GMW-9	07/09/12	---	---	31.64	---	NC
GMW-9	10/15/12	77.16	---	31.82	---	42.62
GMW-9	01/14/13	77.16	---	31.88	---	45.28
GMW-9	04/08/13	74.44	---	31.83	---	42.61
GMW-9	10/07/13	77.16	31.25	35.3	4.05	45.26
GMW-O-1	05/28/96	71.45	---	24.16	---	47.29
GMW-O-1	11/20/96	71.45	---	24.51	---	46.94
GMW-O-1	07/01/97	71.45	---	24.93	---	46.52
GMW-O-1	12/31/97	71.45	---	24.57	---	46.88
GMW-O-1	05/01/98	71.45	---	22.51	---	48.94
GMW-O-1	02/02/99	71.45	---	21.57	---	49.88
GMW-O-1	05/05/99	71.45	---	22.2	---	49.25
GMW-O-1	08/09/99	71.45	---	22.52	---	48.93
GMW-O-1	11/15/99	71.45	---	22.68	---	48.77
GMW-O-1	02/29/00	71.45	---	22.78	---	48.67
GMW-O-1	05/15/00	71.45	---	22.75	---	48.7

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**

*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-O-1	08/28/00	71.45	---	23.02	---	48.43
GMW-O-1	11/13/00	71.45	---	23.26	---	48.19
GMW-O-1	02/05/01	71.45	---	23.01	---	48.44
GMW-O-1	05/07/01	71.45	---	22.39	---	49.06
GMW-O-1	09/18/01	71.45	---	21.96	---	49.49
GMW-O-1	11/05/01	71.45	---	22.18	---	49.27
GMW-O-1	01/29/02	71.45	---	22.18	---	49.27
GMW-O-1	04/08/02	71.45	---	22.51	---	48.94
GMW-O-1	07/29/02	71.45	---	22.97	---	48.48
GMW-O-1	10/21/02	71.45	---	23.14	---	48.31
GMW-O-1	01/27/03	71.45	---	23.03	---	48.42
GMW-O-1	04/07/03	71.45	---	23.11	---	48.34
GMW-O-1	07/30/03	71.45	---	22.84	---	48.61
GMW-O-1	10/06/03	71.45	---	22.76	---	48.69
GMW-O-1	01/11/04	71.45	---	23.77	---	47.68
GMW-O-1	01/27/04	71.45	---	23.06	---	48.39
GMW-O-1	04/19/04	71.45	---	23.45	---	48
GMW-O-1	07/19/04	71.45	---	23.45	---	48
GMW-O-1	02/01/05	71.45	---	23.34	---	48.11
GMW-O-1	05/02/05	71.45	---	21.02	---	50.43
GMW-O-1	08/01/05	71.45	---	20.26	---	51.19
GMW-O-1	10/31/05	71.45	---	20.21	---	51.24
GMW-O-1	02/27/06	71.45	---	20.52	---	50.93
GMW-O-1	05/01/06	71.45	---	20.59	---	50.86
GMW-O-1	09/18/06	71.45	---	20.93	---	50.52
GMW-O-1	12/04/06	71.45	---	27.16	---	44.29
GMW-O-1	03/12/07	71.45	---	21.32	---	50.13
GMW-O-1	04/30/07	71.45	---	21.4	---	50.05
GMW-O-1	08/28/07	71.45	---	22.5	---	48.95
GMW-O-1	11/12/07	71.45	---	21.79	---	49.66
GMW-O-1	02/19/08	71.45	---	27.25	---	44.2
GMW-O-1	04/14/08	71.45	---	22.15	---	49.3
GMW-O-1	08/11/08	71.45	---	22.41	---	49.04
GMW-O-1	10/13/08	71.45	---	22.45	---	49
GMW-O-1	04/20/09	71.45	---	22.41	---	49.04
GMW-O-1	07/20/09	71.45	---	23.15	---	48.3
GMW-O-1	10/19/09	71.45	---	23.39	---	48.06
GMW-O-1	03/15/10	71.45	---	23.9	---	47.55
GMW-O-1	05/24/10	71.45	---	23.48	---	47.97
GMW-O-1	05/28/10	71.45	---	23.47	---	47.98
GMW-O-1	10/04/10	71.45	---	23.71	---	47.74
GMW-O-1	01/10/11	71.45	---	24.14	---	47.31
GMW-O-1	04/11/11	71.45	---	23.17	---	48.28
GMW-O-1	07/11/11	71.45	---	22.88	---	48.57
GMW-O-1	10/10/11	71.45	---	22.89	---	48.56
GMW-O-1	01/09/12	71.45	---	23.35	---	48.1
GMW-O-1	04/16/12	71.45	---	23.86	---	47.59
GMW-O-1	07/09/12	71.45	---	24.19	---	47.26
GMW-O-1	10/15/12	71.45	---	24.33	---	47.12
GMW-O-1	01/14/13	71.45	---	24.88	---	46.57
GMW-O-1	04/08/13	71.45	---	25.04	---	46.41
GMW-O-1	10/07/13	71.45	---	25.72	---	45.73
GMW-O-10	05/28/96	73.98	---	26.49	---	47.49
GMW-O-10	11/20/96	73.98	---	27.1	---	46.88
GMW-O-10	07/01/97	73.98	---	28.23	---	45.75
GMW-O-10	12/31/97	73.98	---	27.94	---	46.04
GMW-O-10	05/01/98	73.98	---	24.56	---	49.42
GMW-O-10	05/07/99	73.98	---	25.1	---	48.88
GMW-O-10	08/09/99	73.98	---	26.1	---	47.88



**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-O-10	11/15/99	73.98	---	25.67	---	48.31
GMW-O-10	11/13/00	73.98	---	26.54	---	47.44
GMW-O-10	05/07/01	73.98	---	25.23	---	48.75
GMW-O-10	11/05/01	73.98	---	25.22	---	48.76
GMW-O-10	04/08/02	73.98	---	25.35	---	48.63
GMW-O-10	10/21/02	73.98	---	26.39	---	47.59
GMW-O-10	04/07/03	73.98	---	25.64	---	48.34
GMW-O-10	07/30/03	73.98	---	25.6	---	48.38
GMW-O-10	10/06/03	73.98	---	25.67	---	48.31
GMW-O-10	01/11/04	73.98	---	26.96	---	47.02
GMW-O-10	04/19/04	73.98	---	26.6	---	47.38
GMW-O-10	05/02/05	73.98	---	23.71	---	50.27
GMW-O-10	10/31/05	73.98	---	22.65	---	51.33
GMW-O-10	05/05/06	73.98	---	22.33	---	51.65
GMW-O-10	12/04/06	73.98	---	23.24	---	50.74
GMW-O-10	04/30/07	73.98	---	24.07	---	49.91
GMW-O-10	11/12/07	73.98	---	24.45	---	49.53
GMW-O-10	04/14/08	73.98	---	24.83	---	49.15
GMW-O-10	08/11/08	73.98	---	25.22	---	48.76
GMW-O-10	10/13/08	73.98	---	25.25	---	48.73
GMW-O-10	04/20/09	73.98	---	25.58	---	48.4
GMW-O-10	10/19/09	73.98	---	26.72	---	47.26
GMW-O-10	05/24/10	73.98	---	26.92	---	47.06
GMW-O-10	05/28/10	73.98	---	29.1	---	44.88
GMW-O-10	10/04/10	73.98	---	26.48	---	47.5
GMW-O-10	01/10/11	73.98	---	27.3	---	46.68
GMW-O-10	04/11/11	73.98	---	25.72	---	48.26
GMW-O-10	07/11/11	73.98	---	NM	---	NC
GMW-O-10	10/10/11	73.98	---	26.29	---	47.69
GMW-O-10	01/09/12	73.98	---	26.82	---	47.16
GMW-O-10	04/16/12	73.98	---	26.9	---	47.08
GMW-O-10	07/09/12	73.98	---	27.81	---	46.17
GMW-O-10	10/15/12	73.98	---	28.4	---	45.58
GMW-O-10	01/14/13	73.98	---	28.57	---	45.41
GMW-O-10	04/08/13	73.98	---	26.31	---	47.67
GMW-O-10	10/07/13	73.98	---	29.17	---	44.81
GMW-O-11	04/08/02	74.17	---	23.96	---	50.21
GMW-O-11	04/07/03	74.17	---	NM	---	NC
GMW-O-11	10/06/03	74.17	---	NM	---	NC
GMW-O-11	01/11/04	74.17	---	NM	---	NC
GMW-O-11	04/19/04	74.17	---	27.4	---	46.77
GMW-O-11	05/02/05	74.17	22.46	22.48	0.02	NC
GMW-O-11	10/31/05	74.17	21.73	21.92	0.19	NC
GMW-O-11	05/01/06	74.17	---	21.51	---	52.66
GMW-O-11	12/04/06	74.17	---	22.38	---	51.79
GMW-O-11	04/30/07	74.17	23.90	23.91	0.01	NC
GMW-O-11	11/12/07	74.17	---	24.4	---	49.77
GMW-O-11	08/15/08	74.17	---	29.3	---	44.87
GMW-O-11	10/17/08	74.17	---	24.45	---	49.72
GMW-O-11	04/21/09	74.17	25.34	25.36	0.02	NC
GMW-O-11	10/19/09	74.17	---	NM	---	NC
GMW-O-11	10/04/10	74.17	---	30	---	44.17
GMW-O-11	04/13/11	74.17	---	24.19	---	49.98
GMW-O-11	10/10/11	74.17	---	24.38	---	49.79
GMW-O-11	04/16/12	74.17	---	NM	---	NC
GMW-O-11	07/09/12	74.17	---	NM	---	NC
GMW-O-11	10/15/12	74.17	---	28.12	---	46.05
GMW-O-11	04/08/13	74.17	---	NM	---	NC
GMW-O-11	10/07/13	74.17	27.69	31.19	3.5	45.92

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**

*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-O-12	12/31/97	73.49	25.45	31.02	5.57	NC
GMW-O-12	05/01/98	73.49	19.94	22.69	2.75	NC
GMW-O-12	05/04/99	73.49	22.99	24.63	1.64	NC
GMW-O-12	08/09/99	73.49	---	NM	---	NC
GMW-O-12	11/15/99	73.49	---	NM	---	NC
GMW-O-12	05/15/00	73.49	---	NM	---	NC
GMW-O-12	11/13/00	73.49	---	0.70	---	72.79
GMW-O-12	05/07/01	73.49	---	22.28	---	51.21
GMW-O-12	05/10/01	73.49	---	24.25	---	49.24
GMW-O-12	11/05/01	73.49	---	22.63	---	50.86
GMW-O-12	04/08/02	73.49	---	23.81	---	49.68
GMW-O-12	04/07/03	73.49	---	NM	---	NC
GMW-O-12	10/06/03	73.49	---	24.82	---	48.67
GMW-O-12	01/11/04	73.49	---	NM	---	NC
GMW-O-12	04/19/04	73.49	---	26.91	---	46.58
GMW-O-12	05/02/05	73.49	---	21.79	---	51.7
GMW-O-12	10/31/05	73.49	---	26.67	---	46.82
GMW-O-12	05/01/06	73.49	---	21.8	---	51.69
GMW-O-12	12/04/06	73.49	---	22.58	---	50.91
GMW-O-12	04/30/07	73.49	---	22.81	---	50.68
GMW-O-12	11/12/07	73.49	---	23.13	---	50.36
GMW-O-12	04/14/08	73.49	---	23.36	---	NC
GMW-O-12	10/13/08	73.49	---	24.2	---	49.29
GMW-O-12	04/20/09	73.49	---	24.21	---	49.28
GMW-O-12	10/19/09	73.49	---	25.08	---	48.41
GMW-O-12	05/24/10	73.49	---	24.8	---	48.69
GMW-O-12	05/28/10	73.49	---	24.74	---	48.75
GMW-O-12	10/04/10	73.49	25.20	25.31	0.11	NC
GMW-O-12	04/11/11	73.49	---	24.04	---	49.45
GMW-O-12	07/11/11	73.49	---	NM	---	NC
GMW-O-12	10/10/11	73.49	---	24.68	---	48.81
GMW-O-12	01/09/12	73.49	---	25.12	---	48.37
GMW-O-12	04/16/12	73.49	---	25.4	---	48.09
GMW-O-12	07/09/12	73.49	---	26.96	---	46.53
GMW-O-12	10/15/12	73.49	25.44	25.48	0.04	NC
GMW-O-12	01/14/13	73.49	25.58	25.62	0.04	NC
GMW-O-12	04/08/13	73.49	26.51	26.6	0.09	NC
GMW-O-12	10/07/13	73.49	27.28	27.34	0.06	46.2004
GMW-O-13	05/28/96	74.19	25.84	27.69	1.85	NC
GMW-O-13	11/20/96	74.19	26.48	28.92	2.44	NC
GMW-O-13	07/01/97	74.19	26.55	28.87	2.32	NC
GMW-O-13	12/31/97	74.19	26.83	28.91	2.08	NC
GMW-O-13	05/01/98	74.19	22.55	23.06	0.51	NC
GMW-O-13	05/04/99	74.19	24.46	25.78	1.32	NC
GMW-O-13	08/09/99	74.19	---	25.2	---	48.99
GMW-O-13	11/15/99	74.19	---	NM	---	NC
GMW-O-13	05/15/00	74.19	---	NM	---	NC
GMW-O-13	11/13/00	74.19	---	NM	---	NC
GMW-O-13	05/07/01	74.19	---	NM	---	NC
GMW-O-13	04/08/02	74.19	---	25.47	---	48.72
GMW-O-14	05/28/96	74.08	---	26.03	---	48.05
GMW-O-14	11/20/96	74.08	---	25.52	---	48.56
GMW-O-14	07/01/97	74.08	---	26.39	---	47.69
GMW-O-14	12/31/97	74.08	25.03	25.06	0.03	NC
GMW-O-14	05/01/98	74.08	---	23.72	---	50.36
GMW-O-14	08/09/99	74.08	---	25.04	---	49.04
GMW-O-14	11/15/99	74.08	---	NM	---	NC
GMW-O-14	05/15/00	74.08	---	26.67	---	47.41
GMW-O-14	11/13/00	74.08	---	25.85	---	48.23



**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**

*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-O-14	05/07/01	74.08	---	24.34	---	49.74
GMW-O-14	11/05/01	74.08	---	24.65	---	49.43
GMW-O-14	04/08/02	74.08	---	25.19	---	48.89
GMW-O-14	07/29/02	74.08	---	25.65	---	48.43
GMW-O-14	10/21/02	74.08	---	26	---	48.08
GMW-O-14	01/27/03	74.08	---	25.64	---	NC
GMW-O-14	04/07/03	74.08	---	25.36	---	48.72
GMW-O-14	07/30/03	74.08	---	25.14	---	48.94
GMW-O-14	10/06/03	74.08	---	25.12	---	48.96
GMW-O-14	01/11/04	74.08	---	26.31	---	47.77
GMW-O-14	01/27/04	74.08	---	25.58	---	48.5
GMW-O-14	04/19/04	74.08	---	26.02	---	48.06
GMW-O-14	07/19/04	74.08	---	26.01	---	48.07
GMW-O-14	02/01/05	74.08	---	25.08	---	49
GMW-O-14	05/02/05	74.08	---	21.41	---	52.67
GMW-O-14	08/01/05	74.08	---	21.39	---	52.69
GMW-O-14	10/31/05	74.08	---	21.9	---	52.18
GMW-O-14	02/27/06	74.08	---	22.64	---	51.44
GMW-O-14	05/01/06	74.08	---	22.58	---	51.5
GMW-O-14	09/18/06	74.08	---	23.18	---	50.9
GMW-O-14	12/04/06	74.08	---	23.36	---	50.72
GMW-O-14	03/12/07	74.08	---	23.81	---	50.27
GMW-O-14	04/30/07	74.08	---	23.57	---	50.51
GMW-O-14	08/28/07	74.08	---	22.45	---	51.63
GMW-O-14	11/12/07	74.08	---	23.97	---	50.11
GMW-O-14	02/19/08	74.08	---	24.84	---	49.24
GMW-O-14	04/14/08	74.08	---	24.53	---	49.55
GMW-O-14	08/11/08	74.08	---	25.07	---	49.01
GMW-O-14	10/13/08	74.08	---	25.2	---	48.88
GMW-O-14	04/20/09	74.08	---	25.33	---	48.75
GMW-O-14	07/20/09	74.08	---	26.31	---	47.77
GMW-O-14	10/19/09	74.08	---	26.24	---	47.84
GMW-O-14	03/15/10	74.08	---	26.71	---	47.37
GMW-O-14	05/24/10	74.08	---	26.11	---	47.97
GMW-O-14	05/28/10	74.08	---	26.11	---	47.97
GMW-O-14	10/04/10	74.08	---	26.04	---	48.04
GMW-O-14	01/10/11	74.08	---	27.12	---	46.96
GMW-O-14	04/11/11	74.08	---	25.25	---	48.83
GMW-O-14	07/11/11	74.08	---	24.77	---	49.31
GMW-O-14	10/10/11	74.08	---	25.16	---	48.92
GMW-O-14	01/09/12	74.08	---	26.14	---	47.94
GMW-O-14	04/16/12	74.08	---	26.94	---	47.14
GMW-O-14	07/09/12	74.08	---	27.51	---	46.57
GMW-O-14	10/15/12	74.08	---	27.96	---	46.12
GMW-O-14	01/14/13	74.08	---	28.32	---	45.76
GMW-O-14	04/08/13	74.08	---	28.83	---	45.25
GMW-O-14	10/07/13	74.08	---	28.84	---	45.24
GMW-O-15	05/28/96	74.23	24.19	30.19	6	NC
GMW-O-15	11/20/96	74.23	25.30	30.52	5.22	NC
GMW-O-15	08/09/99	74.23	---	NM	---	NC
GMW-O-15	11/15/99	74.23	---	NM	---	NC
GMW-O-15	05/15/00	74.23	---	27.1	---	47.13
GMW-O-15	11/13/00	74.23	---	NM	---	NC
GMW-O-15	05/07/01	74.23	22.62	24.58	1.96	NC
GMW-O-15	11/05/01	74.23	---	NM	---	NC
GMW-O-15	04/08/02	74.23	23.02	27.51	4.49	NC
GMW-O-15	10/21/02	74.23	24.52	24.71	0.19	NC
GMW-O-15	04/07/03	74.23	---	NM	---	NC
GMW-O-15	05/02/05	74.23	21.01	21.15	0.14	NC

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-O-15	10/31/05	74.23	22.10	22.25	0.15	NC
GMW-O-15	05/22/06	74.23	21.89	22.31	0.42	NC
GMW-O-15	12/04/06	74.23	22.86	22.91	0.05	NC
GMW-O-15	04/30/07	74.23	23.30	23.41	0.11	NC
GMW-O-15	11/12/07	74.23	23.85	23.95	0.1	NC
GMW-O-15	04/14/08	74.23	---	23.64	---	50.59
GMW-O-15	08/08/08	74.23	---	24.6	---	49.63
GMW-O-15	08/11/08	74.23	24.34	24.4	0.06	NC
GMW-O-15	10/16/08	74.23	---	24.53	---	49.7
GMW-O-15	04/20/09	74.23	24.61	24.66	0.05	NC
GMW-O-15	07/20/09	74.23	24.94	24.99	0.05	NC
GMW-O-15	10/19/09	74.23	25.43	25.55	0.12	NC
GMW-O-15	03/15/10	74.23	---	NM	---	NC
GMW-O-15	04/16/10	74.23	---	23.1	---	51.13
GMW-O-15	05/24/10	74.23	---	25.67	---	48.56
GMW-O-15	05/28/10	74.23	---	25.35	---	48.88
GMW-O-15	06/22/10	74.23	---	25.81	---	48.42
GMW-O-15	07/12/10	74.23	---	NM	---	NC
GMW-O-15	08/12/10	74.23	---	NM	---	NC
GMW-O-15	09/20/10	74.23	---	NM	---	NC
GMW-O-15	10/04/10	74.23	25.80	25.85	0.05	NC
GMW-O-15	11/23/10	74.23	---	NM	---	NC
GMW-O-15	12/22/10	74.23	---	26.31	---	47.92
GMW-O-15	01/10/11	74.23	---	25.97	---	48.26
GMW-O-15	02/24/11	74.23	---	NM	---	NC
GMW-O-15	03/23/11	74.23	---	NM	---	NC
GMW-O-15	04/12/11	74.23	22.53	22.55	0.02	NC
GMW-O-15	05/13/11	74.23	---	NM	---	NC
GMW-O-15	06/22/11	74.23	---	NM	---	NC
GMW-O-15	07/11/11	74.23	---	NM	---	NC
GMW-O-15	08/19/11	74.23	---	NM	---	NC
GMW-O-15	09/22/11	74.23	---	NM	---	NC
GMW-O-15	10/10/11	74.23	23.22	23.79	0.57	NC
GMW-O-15	11/28/11	74.23	---	NM	---	NC
GMW-O-15	12/21/11	74.23	---	31.13	---	43.1
GMW-O-15	01/09/12	74.23	---	27.67	---	46.56
GMW-O-15	02/23/12	74.23	---	31.82	---	42.41
GMW-O-15	03/28/12	74.23	---	30.3	---	43.93
GMW-O-15	04/16/12	74.23	26.51	26.56	0.05	NC
GMW-O-15	05/25/12	74.23	---	26.64	---	47.59
GMW-O-15	06/15/12	74.23	---	26.93	---	47.3
GMW-O-15	07/09/12	74.23	---	25.47	---	48.76
GMW-O-15	08/29/12	74.23	---	NM	---	NC
GMW-O-15	09/26/12	74.23	---	30.64	---	43.59
GMW-O-15	10/15/12	74.23	---	31.82	---	42.41
GMW-O-15	11/29/12	74.23	---	NM	---	NC
GMW-O-15	12/26/12	74.23	---	27.41	---	46.82
GMW-O-15	01/14/13	74.23	---	27.62	---	46.61
GMW-O-15	02/20/13	74.23	---	NM	---	NC
GMW-O-15	04/10/13	74.23	---	NM	---	NC
<b>GMW-O-15</b>	<b>10/07/13</b>	<b>74.23</b>	<b>28.26</b>	<b>29.03</b>	<b>0.77</b>	<b>45.8468</b>
GMW-O-16	05/28/96	74.1	---	24.92	---	49.18
GMW-O-16	11/20/96	74.1	---	25.89	---	48.21
GMW-O-16	07/01/97	74.1	---	24.16	---	49.94
GMW-O-16	05/04/99	74.1	---	23.19	---	50.91
GMW-O-16	08/09/99	74.1	---	24.27	---	49.83
GMW-O-16	11/15/99	74.1	---	25.02	---	49.08
GMW-O-16	05/15/00	74.1	---	24.44	---	49.66
GMW-O-16	11/13/00	74.1	---	25.71	---	48.39

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-O-16	05/07/01	74.1	---	23.15	---	50.95
GMW-O-16	11/05/01	74.1	---	23.16	---	50.94
GMW-O-16	04/08/02	74.1	---	24.25	---	49.85
GMW-O-16	10/21/02	74.1	---	25.72	---	48.38
GMW-O-16	04/07/03	74.1	---	24.59	---	49.51
GMW-O-16	10/06/03	74.1	---	24.55	---	49.55
GMW-O-16	01/11/04	74.1	---	28	---	46.1
GMW-O-16	04/19/04	74.1	---	24.98	---	49.12
GMW-O-16	07/20/04	74.1	---	25.37	---	48.73
GMW-O-16	05/02/05	74.1	---	19.48	---	54.62
GMW-O-16	08/01/05	74.1	---	20.45	---	53.65
GMW-O-16	10/31/05	74.1	---	21.04	---	53.06
GMW-O-16	02/27/06	74.1	---	22.31	---	51.79
GMW-O-16	05/01/06	74.1	---	22.36	---	51.74
GMW-O-16	09/18/06	74.1	---	23.19	---	50.91
GMW-O-16	12/04/06	74.1	---	23.33	---	50.77
GMW-O-16	04/30/07	74.1	---	23.82	---	50.28
GMW-O-16	11/12/07	74.1	---	24.35	---	49.75
GMW-O-16	02/19/08	74.1	---	24.69	---	49.41
GMW-O-16	04/14/08	74.1	---	24.08	---	50.02
GMW-O-16	10/13/08	74.1	---	25.12	---	48.98
GMW-O-16	04/20/09	74.1	---	25.2	---	48.9
GMW-O-16	10/19/09	74.1	---	25.81	---	48.29
GMW-O-16	03/15/10	74.1	---	26.3	---	47.8
GMW-O-16	04/16/10	74.1	---	25.2	---	48.9
GMW-O-16	05/24/10	74.1	---	25.14	---	48.96
GMW-O-16	05/28/10	74.1	---	25.13	---	48.97
GMW-O-16	06/22/10	74.1	---	25.55	---	48.55
GMW-O-16	07/12/10	74.1	---	26.28	---	47.82
GMW-O-16	08/12/10	74.1	---	26.43	---	47.67
GMW-O-16	09/20/10	74.1	---	26.95	---	47.15
GMW-O-16	10/04/10	74.1	---	26.1	---	48
GMW-O-16	11/16/10	74.1	---	26.58	---	47.52
GMW-O-16	12/22/10	74.1	---	27	---	47.1
GMW-O-16	01/10/11	74.1	---	26.42	---	47.68
GMW-O-16	02/24/11	74.1	---	26.02	---	48.08
GMW-O-16	03/23/11	74.1	---	25.99	---	48.11
GMW-O-16	04/11/11	74.1	---	24.66	---	49.44
GMW-O-16	05/13/11	74.1	---	25.76	---	48.34
GMW-O-16	06/22/11	74.1	---	25.89	---	48.21
GMW-O-16	07/11/11	74.1	---	26	---	48.1
GMW-O-16	08/19/11	74.1	---	25.63	---	48.47
GMW-O-16	09/22/11	74.1	---	26.32	---	47.78
GMW-O-16	10/10/11	74.1	---	25.53	---	48.57
GMW-O-16	11/28/11	74.1	---	26.42	---	47.68
GMW-O-16	12/21/11	74.1	---	27.05	---	47.05
GMW-O-16	01/09/12	74.1	---	26.98	---	47.12
GMW-O-16	02/23/12	74.1	---	27.56	---	46.54
GMW-O-16	03/28/12	74.1	---	27.5	---	46.6
GMW-O-16	04/16/12	74.1	---	26.62	---	47.48
GMW-O-16	05/25/12	74.1	---	26.81	---	47.29
GMW-O-16	06/15/12	74.1	---	27.27	---	46.83
GMW-O-16	07/09/12	74.1	---	27.12	---	46.98
GMW-O-16	08/29/12	74.1	---	28.1	---	46
GMW-O-16	09/26/12	74.1	---	28.46	---	45.64
GMW-O-16	10/15/12	74.1	---	27.38	---	46.72
GMW-O-16	11/29/12	74.1	---	28.61	---	45.49
GMW-O-16	12/26/12	74.1	---	28.52	---	45.58
GMW-O-16	01/14/13	74.1	---	28.72	---	45.38

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**

*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-O-16	02/20/13	74.1	---	28.56	---	45.54
GMW-O-16	04/08/13	74.1	---	28.61	---	45.49
GMW-O-16	10/07/13	74.1	---	28.48	---	45.62
GMW-O-17	05/28/96	73.78	---	24.72	---	49.06
GMW-O-17	11/20/96	73.78	---	25.55	---	48.23
GMW-O-17	07/01/97	73.78	---	23.84	---	49.94
GMW-O-17	12/31/97	73.78	---	25.31	---	48.47
GMW-O-17	05/01/98	73.78	---	20.49	---	53.29
GMW-O-17	05/03/99	73.78	---	23.12	---	50.66
GMW-O-17	08/09/99	73.78	---	23.5	---	50.28
GMW-O-17	11/15/99	73.78	---	24.11	---	49.67
GMW-O-17	05/15/00	73.78	---	23.7	---	50.08
GMW-O-17	11/13/00	73.78	---	24.62	---	49.16
GMW-O-17	05/07/01	73.78	---	22.39	---	51.39
GMW-O-17	11/05/01	73.78	---	23.13	---	50.65
GMW-O-17	04/08/02	73.78	---	23.69	---	50.09
GMW-O-17	10/21/02	73.78	---	24.9	---	48.88
GMW-O-17	04/07/03	73.78	---	24.05	---	49.73
GMW-O-17	10/06/03	73.78	---	23.19	---	50.59
GMW-O-17	01/11/04	73.78	---	25.39	---	48.39
GMW-O-17	04/19/04	73.78	---	24.46	---	49.32
GMW-O-17	05/02/05	73.78	---	19.51	---	54.27
GMW-O-17	10/31/05	73.78	---	20.03	---	53.75
GMW-O-17	05/01/06	73.78	---	20.75	---	53.03
GMW-O-17	12/04/06	73.78	---	22.68	---	51.1
GMW-O-17	04/30/07	73.78	---	23.19	---	50.59
GMW-O-17	11/12/07	73.78	---	23.9	---	49.88
GMW-O-17	04/14/08	73.78	---	23.55	---	50.23
GMW-O-17	08/11/08	73.78	---	24.14	---	49.64
GMW-O-17	10/13/08	73.78	---	24.6	---	49.18
GMW-O-17	04/20/09	73.78	---	24.48	---	49.3
GMW-O-17	05/24/10	73.78	---	24.78	---	49
GMW-O-17	05/28/10	73.78	---	28.75	---	45.03
GMW-O-17	10/04/10	73.78	---	25.6	---	48.18
GMW-O-17	01/10/11	73.78	---	25.64	---	48.14
GMW-O-17	04/11/11	73.78	---	24.11	---	49.67
GMW-O-17	07/11/11	73.78	---	NM	---	NC
GMW-O-17	10/10/11	73.78	---	24.71	---	49.07
GMW-O-17	01/09/12	73.78	---	25.32	---	48.46
GMW-O-17	04/16/12	73.78	---	26.1	---	47.68
GMW-O-17	07/09/12	73.78	---	26.42	---	47.36
GMW-O-17	10/15/12	73.78	---	26.62	---	47.16
GMW-O-17	01/14/13	73.78	---	27.48	---	46.3
GMW-O-17	04/08/13	73.78	---	27.48	---	46.3
GMW-O-17	10/07/13	73.78	---	28.21	---	45.57
GMW-O-18	05/28/96	74.36	---	25.67	---	48.69
GMW-O-18	11/20/96	74.36	---	26.7	---	47.66
GMW-O-18	12/31/97	74.36	---	26.48	---	47.88
GMW-O-18	05/01/98	74.36	---	29.04	---	45.32
GMW-O-18	05/04/99	74.36	---	24.02	---	50.34
GMW-O-18	08/09/99	74.36	---	24.91	---	49.45
GMW-O-18	11/15/99	74.36	---	25.56	---	48.8
GMW-O-18	05/15/00	74.36	---	29.17	---	45.19
GMW-O-18	11/13/00	74.36	---	NM	---	NC
GMW-O-18	05/07/01	74.36	---	24.1	---	50.26
GMW-O-18	09/18/01	74.36	---	NM	---	NC
GMW-O-18	11/05/01	74.36	---	NM	---	NC
GMW-O-18	01/29/02	74.36	---	NM	---	NC
GMW-O-18	04/08/02	74.36	24.81	24.81	0	NC

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-O-18	04/07/03	74.36	---	NM	---	NC
GMW-O-18	05/02/05	74.36	---	20.13	---	54.23
GMW-O-18	10/31/05	74.36	---	21.79	---	52.57
GMW-O-18	05/01/06	74.36	---	22.6	---	51.76
GMW-O-18	12/04/06	74.36	---	23.61	---	50.75
GMW-O-18	04/30/07	74.36	---	24.21	---	50.15
GMW-O-18	11/12/07	74.36	---	22.46	---	51.9
GMW-O-18	04/14/08	74.36	---	24.5	---	49.86
GMW-O-18	10/13/08	74.36	---	25.46	---	48.9
GMW-O-18	04/20/09	74.36	---	25.59	---	48.77
GMW-O-18	10/19/09	74.36	---	26.31	---	48.05
GMW-O-18	03/15/10	74.36	---	26.54	---	47.82
GMW-O-18	04/16/10	74.36	---	24.25	---	50.11
GMW-O-18	05/24/10	74.36	---	26.26	---	48.1
GMW-O-18	05/28/10	74.36	---	26.03	---	48.33
GMW-O-18	06/22/10	74.36	---	26.41	---	47.95
GMW-O-18	07/12/10	74.36	---	NM	---	NC
GMW-O-18	08/12/10	74.36	---	NM	---	NC
GMW-O-18	09/20/10	74.36	---	NM	---	NC
GMW-O-18	10/04/10	74.36	---	29.95	---	44.41
GMW-O-18	11/16/10	74.36	---	NM	---	NC
GMW-O-18	12/22/10	74.36	---	NM	---	NC
GMW-O-18	01/10/11	74.36	---	NM	---	NC
GMW-O-18	02/24/11	74.36	---	NM	---	NC
GMW-O-18	03/23/11	74.36	---	NM	---	NC
GMW-O-18	04/12/11	74.36	---	NM	---	NC
GMW-O-18	05/13/11	74.36	---	NM	---	NC
GMW-O-18	06/22/11	74.36	---	NM	---	NC
GMW-O-18	07/11/11	74.36	---	NM	---	NC
GMW-O-18	08/19/11	74.36	---	NM	---	NC
GMW-O-18	09/22/11	74.36	---	NM	---	NC
GMW-O-18	10/10/11	74.36	---	23.68	---	50.68
GMW-O-18	11/28/11	74.36	---	NM	---	NC
GMW-O-18	12/21/11	74.46	---	27.14	---	47.32
GMW-O-18	02/23/12	74.36	---	31.18	---	43.18
GMW-O-18	03/28/12	74.36	---	NM	---	NC
GMW-O-18	04/16/12	74.36	---	27.1	---	47.26
GMW-O-18	05/25/12	74.36	---	27.31	---	47.05
GMW-O-18	06/15/12	74.36	---	35.13	---	39.23
GMW-O-18	07/09/12	74.36	---	29.51	---	44.85
GMW-O-18	08/29/12	74.36	---	NM	---	NC
GMW-O-18	09/26/12	74.36	---	30.83	---	43.53
GMW-O-18	10/15/12	74.36	---	29.73	---	44.63
GMW-O-18	11/29/12	74.36	---	NM	---	NC
GMW-O-18	12/26/12	74.36	---	28.87	---	45.49
GMW-O-18	01/14/13	74.36	---	28.92	---	45.44
GMW-O-18	02/20/13	74.36	---	NM	---	NC
GMW-O-18	04/10/13	74.36	---	28.1	---	46.26
GMW-O-18	10/07/13	74.36	---	26.67	---	47.69
GMW-O-19	05/28/96	74.46	---	25.29	---	49.17
GMW-O-19	11/20/96	74.46	---	26.28	---	48.18
GMW-O-19	07/01/97	74.46	---	24.7	---	49.76
GMW-O-19	12/31/97	74.46	---	25.92	---	48.54
GMW-O-19	08/09/99	74.46	---	24.09	---	50.37
GMW-O-19	11/15/99	74.46	---	24.82	---	49.64
GMW-O-19	05/15/00	74.46	---	24.43	---	50.03
GMW-O-19	11/13/00	74.46	---	NM	---	NC
GMW-O-19	05/07/01	74.46	---	NM	---	NC
GMW-O-19	09/18/01	74.46	---	23.07	---	51.39

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-O-19	11/05/01	74.46	---	23.15	---	51.31
GMW-O-19	01/29/02	74.46	---	23.25	---	51.21
GMW-O-19	04/08/02	74.46	---	23.16	---	51.3
GMW-O-19	10/21/02	74.46	---	23.34	---	51.12
GMW-O-19	04/07/03	74.46	---	23.5	---	50.96
GMW-O-19	07/30/03	74.46	---	24.29	---	50.17
GMW-O-19	10/06/03	74.46	---	24.54	---	49.92
GMW-O-19	01/11/04	74.46	---	26.02	---	48.44
GMW-O-19	04/19/04	74.46	---	25.04	---	49.42
GMW-O-19	07/20/04	74.46	---	25.35	---	49.11
GMW-O-19	05/02/05	74.46	---	20.05	---	54.41
GMW-O-19	08/01/05	74.46	---	20.82	---	53.64
GMW-O-19	10/31/05	74.46	---	21.36	---	53.1
GMW-O-19	02/27/06	74.46	---	22.06	---	52.4
GMW-O-19	05/01/06	74.46	---	22.35	---	52.11
GMW-O-19	12/04/06	74.46	---	23.32	---	51.14
GMW-O-19	04/30/07	74.46	---	23.98	---	50.48
GMW-O-19	11/12/07	74.46	---	24.57	---	49.89
GMW-O-19	04/14/08	74.46	---	24.24	---	50.22
GMW-O-19	10/13/08	74.46	---	25.36	---	49.1
GMW-O-19	04/20/09	74.46	---	25.22	---	49.24
GMW-O-19	10/19/09	74.46	---	26.26	---	48.2
GMW-O-19	03/15/10	74.46	---	26.16	---	48.3
GMW-O-19	04/16/10	74.46	---	25.3	---	49.16
GMW-O-19	05/24/10	74.46	---	25.53	---	48.93
GMW-O-19	05/28/10	74.46	---	25.47	---	48.99
GMW-O-19	06/22/10	74.46	---	25.64	---	48.82
GMW-O-19	07/12/10	74.46	---	26.04	---	48.42
GMW-O-19	08/12/10	74.46	---	26.23	---	48.23
GMW-O-19	09/20/10	74.46	---	26.52	---	47.94
GMW-O-19	10/04/10	74.46	---	26.31	---	48.15
GMW-O-19	11/16/10	74.46	---	26.67	---	47.79
GMW-O-19	12/22/10	74.46	---	26.7	---	47.76
GMW-O-19	01/10/11	74.46	---	26.37	---	48.09
GMW-O-19	02/24/11	74.46	---	25.55	---	48.91
GMW-O-19	03/23/11	74.46	---	25.29	---	49.17
GMW-O-19	04/11/11	74.46	---	24.75	---	49.71
GMW-O-19	05/13/11	74.46	---	25.11	---	49.35
GMW-O-19	06/22/11	74.46	---	25.27	---	49.19
GMW-O-19	07/11/11	74.46	---	25.42	---	49.04
GMW-O-19	08/19/11	74.46	---	25.32	---	49.14
GMW-O-19	09/22/11	74.46	---	25.82	---	48.64
GMW-O-19	10/10/11	74.46	---	25.4	---	49.06
GMW-O-19	11/28/11	74.46	---	25.96	---	48.5
GMW-O-19	12/21/11	74.46	---	26.43	---	48.03
GMW-O-19	01/09/12	74.46	---	26.56	---	47.9
GMW-O-19	02/23/12	74.46	---	27.08	---	47.38
GMW-O-19	03/28/12	74.46	---	27.14	---	47.32
GMW-O-19	04/16/12	74.46	---	26.88	---	47.58
GMW-O-19	05/25/12	74.46	---	27.01	---	47.45
GMW-O-19	06/15/12	74.46	---	27.23	---	47.23
GMW-O-19	07/09/12	74.46	---	27.27	---	47.19
GMW-O-19	08/29/12	74.46	---	27.58	---	46.88
GMW-O-19	09/26/12	74.46	---	27.9	---	46.56
GMW-O-19	10/15/12	74.46	---	27.46	---	47
GMW-O-19	11/29/12	74.46	---	28.16	---	46.3
GMW-O-19	12/26/12	74.46	---	28.03	---	46.43
GMW-O-19	01/14/13	74.46	---	28.02	---	46.44
GMW-O-19	02/20/13	74.46	---	28.28	---	46.18

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-O-19	04/08/13	74.46	---	28.36	---	46.1
GMW-O-19	10/07/13	74.46	---	28.68	---	45.78
GMW-O-2	11/20/96	72.54	---	25.33	---	47.21
GMW-O-2	07/01/97	72.54	---	25.29	---	47.25
GMW-O-2	12/31/97	72.54	---	25.32	---	47.22
GMW-O-2	05/01/98	72.54	---	23.1	---	49.44
GMW-O-2	05/05/99	72.54	---	23.15	---	49.39
GMW-O-2	08/09/99	72.54	---	23.39	---	49.15
GMW-O-2	11/15/99	72.54	---	23.62	---	48.92
GMW-O-2	05/15/00	72.54	---	23.59	---	48.95
GMW-O-2	11/13/00	72.54	---	24.11	---	48.43
GMW-O-2	05/07/01	72.54	---	23.26	---	49.28
GMW-O-2	11/05/01	72.54	---	23.25	---	49.29
GMW-O-2	04/08/02	72.54	---	23.52	---	49.02
GMW-O-2	07/29/02	72.54	---	24.13	---	48.41
GMW-O-2	10/21/02	72.54	---	24.28	---	48.26
GMW-O-2	01/14/03	72.54	---	24.23	---	48.31
GMW-O-2	01/27/03	72.54	---	24.1	---	48.44
GMW-O-2	04/07/03	72.54	---	24.05	---	48.49
GMW-O-2	07/30/03	72.54	---	23.75	---	48.79
GMW-O-2	10/06/03	72.54	---	23.75	---	48.79
GMW-O-2	01/11/04	72.54	---	24.78	---	47.76
GMW-O-2	01/27/04	72.54	---	24.09	---	48.45
GMW-O-2	04/19/04	72.54	---	24.39	---	48.15
GMW-O-2	07/19/04	72.54	---	24.39	---	48.15
GMW-O-2	02/01/05	72.54	---	24.06	---	48.48
GMW-O-2	05/02/05	72.54	---	21.4	---	51.14
GMW-O-2	08/01/05	72.54	---	20.97	---	51.57
GMW-O-2	10/31/05	72.54	---	21.22	---	51.32
GMW-O-2	02/27/06	72.54	---	23.1	---	49.44
GMW-O-2	05/01/06	72.54	---	21.59	---	50.95
GMW-O-2	09/18/06	72.54	---	22.08	---	50.46
GMW-O-2	12/04/06	72.54	---	22.21	---	50.33
GMW-O-2	03/12/07	72.54	---	22.5	---	50.04
GMW-O-2	04/30/07	72.54	---	22.53	---	50.01
GMW-O-2	08/28/07	72.54	---	22.54	---	50
GMW-O-2	11/12/07	72.54	---	22.96	---	49.58
GMW-O-2	02/19/08	72.54	---	23.39	---	49.15
GMW-O-2	04/14/08	72.54	---	23.24	---	49.3
GMW-O-2	08/11/08	72.54	---	23.57	---	48.97
GMW-O-2	10/13/08	72.54	---	23.64	---	48.9
GMW-O-2	04/20/09	72.54	---	23.7	---	48.84
GMW-O-2	07/20/09	72.54	---	24.4	---	48.14
GMW-O-2	10/19/09	72.54	---	24.81	---	47.73
GMW-O-2	03/15/10	72.54	---	25.1	---	47.44
GMW-O-2	05/24/10	72.54	---	24.48	---	48.06
GMW-O-2	05/28/10	72.54	---	24.43	---	48.11
GMW-O-2	10/04/10	72.54	---	24.25	---	48.29
GMW-O-2	01/10/11	72.54	---	25.13	---	47.41
GMW-O-2	04/11/11	72.54	---	24.14	---	48.4
GMW-O-2	07/11/11	72.54	---	23.8	---	48.74
GMW-O-2	10/10/11	72.54	---	23.98	---	48.56
GMW-O-2	01/09/12	72.54	---	24.5	---	48.04
GMW-O-2	04/16/12	72.54	---	24.82	---	47.72
GMW-O-2	07/09/12	72.54	---	25.21	---	47.33
GMW-O-2	10/15/12	72.54	---	25.5	---	47.04
GMW-O-2	01/14/13	72.54	---	26.02	---	46.52
GMW-O-2	04/08/13	72.54	---	26.12	---	46.42
GMW-O-2	10/07/13	72.54	---	26.8	---	45.74



**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-O-20	05/07/01	73.34	---	22.15	---	51.19
GMW-O-20	04/07/03	73.34	---	NM	---	NC
GMW-O-20	08/15/08	73.34	---	25.9	---	47.44
GMW-O-20	10/17/08	73.34	---	25.82	---	47.52
GMW-O-20	04/21/09	73.32	---	28.7	---	44.62
GMW-O-20	10/19/09	73.32	---	NM	---	NM
GMW-O-20	10/04/10	73.32	31.10	31.2	0.1	NC
GMW-O-20	04/11/11	73.32	---	23.82	---	49.5
GMW-O-20	07/11/11	73.32	---	NM	---	NC
GMW-O-20	10/10/11	73.32	---	24.05	---	49.27
GMW-O-20	01/09/12	73.32	---	24.68	---	48.64
GMW-O-20	04/16/12	73.32	---	26.18	---	47.14
GMW-O-20	07/09/12	73.32	---	32.92	---	40.4
GMW-O-20	10/15/12	73.32	32.95	32.97	0.02	NC
GMW-O-20	01/14/13	73.32	32.93	32.98	0.05	NC
GMW-O-20	04/08/13	73.32	26.46	29.63	3.17	NC
GMW-O-20	10/07/13	73.32	27.06	32.09	5.03	45.4552
GMW-O-21	11/15/99	73.49	---	NM	---	NC
GMW-O-21	11/19/99	73.49	---	NM	---	NC
GMW-O-21	04/07/03	73.49	---	NM	---	NC
GMW-O-21	10/06/03	73.49	---	22.6	---	50.89
GMW-O-21	08/15/08	73.94	---	NM	---	NC
GMW-O-21	10/17/08	73.94	---	26	---	47.94
GMW-O-21	10/19/09	71.43	---	NM	---	NM
GMW-O-21	10/04/10	71.43	---	25.4	---	46.03
GMW-O-21	04/13/11	71.43	---	23.72	---	47.71
GMW-O-21	10/10/11	71.43	---	24.65	---	46.78
GMW-O-21	04/16/12	71.43	---	NM	---	NC
GMW-O-21	07/09/12	71.43	---	NM	---	NC
GMW-O-21	10/15/12	71.43	---	32.5	---	38.93
GMW-O-21	04/08/13	71.43	---	NM	---	NC
GMW-O-23	08/28/07	73.63	---	23	---	50.63
GMW-O-23	11/13/07	73.63	---	23.9	---	49.73
GMW-O-23	08/15/08	73.63	---	26.28	---	47.35
GMW-O-23	10/17/08	73.63	---	27.16	---	46.47
GMW-O-23	04/21/09	73.63	---	27.3	---	46.33
GMW-O-23	10/19/09	73.63	---	NM	---	NM
GMW-O-23	10/04/10	73.63	---	25.92	---	47.71
GMW-O-23	01/10/11	73.63	---	27.45	---	46.18
GMW-O-23	04/11/11	73.63	---	25.03	---	48.6
GMW-O-23	07/11/11	73.63	---	NM	---	NC
GMW-O-23	10/10/11	73.63	---	25.25	---	48.38
GMW-O-23	01/09/12	73.63	---	25.91	---	47.72
GMW-O-23	04/16/12	73.63	---	27.38	---	46.25
GMW-O-23	07/09/12	73.63	---	27.41	---	46.22
GMW-O-23	10/15/12	73.63	---	26.48	---	47.15
GMW-O-23	01/14/13	73.63	---	29.35	---	44.28
GMW-O-23	04/08/13	73.63	27.74	29.81	2.07	NC
GMW-O-23	10/07/13	73.63	28.3	32.86	4.56	44.6004
GMW-O-24	10/15/12	74.39	---	27.9	---	46.49
GMW-O-24	04/08/13	74.39	---	28.53	---	45.86
GMW-O-24	10/23/13	74.39	---	29.4	---	44.99
GMW-O-3	05/28/96	72.19	---	24.19	---	48
GMW-O-3	11/20/96	72.19	---	24.87	---	47.32
GMW-O-3	07/01/97	72.19	---	24.77	---	47.42
GMW-O-3	12/31/97	72.19	---	24.8	---	47.39
GMW-O-3	05/01/98	72.19	---	22.06	---	50.13
GMW-O-3	02/03/99	72.19	---	22.07	---	50.12
GMW-O-3	05/07/99	72.19	---	23.11	---	49.08



**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**

*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-O-3	08/09/99	72.19	---	23.2	---	48.99
GMW-O-3	11/15/99	72.19	---	23.4	---	48.79
GMW-O-3	02/29/00	72.19	---	23.45	---	48.74
GMW-O-3	05/15/00	72.19	---	23.36	---	48.83
GMW-O-3	08/28/00	72.19	---	23.95	---	48.24
GMW-O-3	11/13/00	72.19	---	23.9	---	48.29
GMW-O-3	02/05/01	72.19	---	23.61	---	48.58
GMW-O-3	05/07/01	72.19	---	22.81	---	49.38
GMW-O-3	09/18/01	72.19	---	22.55	---	49.64
GMW-O-3	11/05/01	72.19	---	22.9	---	49.29
GMW-O-3	01/29/02	72.19	---	23.18	---	49.01
GMW-O-3	04/08/02	72.19	---	23.18	---	49.01
GMW-O-3	07/29/02	72.39	---	24.05	---	48.34
GMW-O-3	10/21/02	72.19	---	24.07	---	48.12
GMW-O-3	01/14/03	72.19	---	23.9	---	48.29
GMW-O-3	01/27/03	72.19	---	23.75	---	48.44
GMW-O-3	04/07/03	72.19	---	23.53	---	48.66
GMW-O-3	07/30/03	72.19	---	23.35	---	48.84
GMW-O-3	10/06/03	72.19	---	23.52	---	48.67
GMW-O-3	01/11/04	72.19	---	24.67	---	47.52
GMW-O-3	01/27/04	72.19	---	23.79	---	48.4
GMW-O-3	04/19/04	72.19	---	24.08	---	48.11
GMW-O-3	07/19/04	72.19	---	24.13	---	48.06
GMW-O-3	02/01/05	72.19	---	23.52	---	48.67
GMW-O-3	05/02/05	72.19	---	20.03	---	52.16
GMW-O-3	08/01/05	72.19	---	20.18	---	52.01
GMW-O-3	10/31/05	72.19	---	20.56	---	51.63
GMW-O-3	02/27/06	72.19	---	21.04	---	51.15
GMW-O-3	05/01/06	72.19	---	21.09	---	51.1
GMW-O-3	09/18/06	72.19	---	21.84	---	50.35
GMW-O-3	12/04/06	72.19	---	22.87	---	49.32
GMW-O-3	03/12/07	72.19	---	22.22	---	49.97
GMW-O-3	04/30/07	72.19	---	22.16	---	50.03
GMW-O-3	08/28/07	72.19	---	21.87	---	50.32
GMW-O-3	11/12/07	72.19	---	22.52	---	49.67
GMW-O-3	02/19/08	72.19	---	23.1	---	49.09
GMW-O-3	04/14/08	72.19	---	22.83	---	49.36
GMW-O-3	08/11/08	72.19	---	23.26	---	48.93
GMW-O-3	08/15/08	74.93	---	NM	---	NC
GMW-O-3	10/13/08	74.93	---	23.42	---	51.51
GMW-O-3	04/20/09	72.19	---	23.18	---	49.01
GMW-O-3	07/20/09	72.19	---	24.21	---	47.98
GMW-O-3	10/19/09	72.19	---	24.49	---	47.7
GMW-O-3	03/15/10	72.19	---	24.77	---	47.42
GMW-O-3	05/24/10	72.19	---	24	---	48.19
GMW-O-3	05/28/10	72.19	---	23.97	---	48.22
GMW-O-3	10/04/10	72.19	---	24.43	---	47.76
GMW-O-3	01/10/11	72.19	---	25.17	---	47.02
GMW-O-3	04/11/11	72.19	---	23.49	---	48.7
GMW-O-3	07/11/11	72.19	---	23.36	---	48.83
GMW-O-3	10/10/11	72.19	---	23.7	---	48.49
GMW-O-3	01/09/12	72.19	---	24.29	---	47.9
GMW-O-3	04/16/12	72.19	---	24.72	---	47.47
GMW-O-3	07/09/12	72.19	---	25.29	---	46.9
GMW-O-3	10/15/12	72.19	---	25.33	---	46.86
GMW-O-3	01/14/13	72.19	---	26.32	---	45.87
GMW-O-3	04/08/13	72.19	---	26.19	---	46
GMW-O-3	10/07/13	72.19	---	26.93	---	45.26
GMW-O-4	05/28/96	71.95	---	23.69	---	48.26

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-O-4	11/20/96	71.95	---	24.37	---	47.58
GMW-O-4	07/01/97	71.95	---	23.69	---	48.26
GMW-O-4	12/31/97	71.95	---	24.25	---	47.7
GMW-O-4	05/01/98	71.95	---	20.89	---	51.06
GMW-O-4	05/06/99	71.95	---	22.33	---	49.62
GMW-O-4	08/09/99	71.95	---	22.55	---	49.4
GMW-O-4	11/15/99	71.95	---	22.91	---	49.04
GMW-O-4	05/15/00	71.95	---	27.74	---	44.21
GMW-O-4	11/13/00	71.95	---	23.38	---	48.57
GMW-O-4	05/07/01	71.95	---	21.86	---	50.09
GMW-O-4	11/05/01	71.95	---	22.29	---	49.66
GMW-O-4	04/08/02	71.95	---	22.71	---	49.24
GMW-O-4	10/21/02	71.95	---	23.56	---	48.39
GMW-O-4	04/07/03	71.95	---	29.99	---	41.96
GMW-O-4	10/06/03	71.95	---	22.75	---	49.2
GMW-O-4	01/11/04	71.95	---	24.02	---	47.93
GMW-O-4	04/19/04	71.95	---	24.44	---	47.51
GMW-O-4	05/02/05	71.95	---	18.86	---	53.09
GMW-O-4	10/31/05	71.95	---	19.91	---	52.04
GMW-O-4	05/01/06	71.95	---	20.52	---	51.43
GMW-O-4	12/04/06	71.95	---	21.17	---	50.78
GMW-O-4	04/30/07	71.95	---	21.74	---	50.21
GMW-O-4	11/12/07	71.95	---	22.1	---	49.85
GMW-O-4	04/14/08	71.95	---	22.28	---	49.67
GMW-O-4	10/13/08	71.95	---	22.93	---	49.02
GMW-O-4	04/20/09	71.95	---	25.29	---	46.66
GMW-O-4	10/19/09	71.95	---	24.14	---	47.81
GMW-O-4	05/24/10	71.95	---	23.5	---	48.45
GMW-O-4	05/28/10	71.95	---	23.47	---	48.48
GMW-O-4	10/04/10	71.95	---	23.97	---	47.98
GMW-O-4	04/11/11	71.95	---	23	---	48.95
GMW-O-4	10/10/11	71.95	---	23.31	---	48.64
GMW-O-4	04/16/12	71.95	---	24.45	---	47.5
GMW-O-4	07/09/12	71.95	---	NM	---	NC
GMW-O-4	10/15/12	71.95	---	25.14	---	46.81
GMW-O-4	04/08/13	71.95	---	25.88	---	46.07
GMW-O-4	10/07/13	71.95	---	26.51	---	45.44
GMW-O-4 MID	05/28/96	72.24	---	31.73	---	40.51
GMW-O-4 MID	11/20/96	72.24	---	31.86	---	40.38
GMW-O-4 MID	07/01/97	72.24	---	29.66	---	42.58
GMW-O-4 MID	12/31/97	72.24	---	29.41	---	42.83
GMW-O-4 MID	05/01/98	72.24	---	26.77	---	45.47
GMW-O-4 MID	05/06/99	72.24	---	27.34	---	44.9
GMW-O-4 MID	08/09/99	72.24	---	28.59	---	43.65
GMW-O-4 MID	11/15/99	72.24	---	28.91	---	43.33
GMW-O-4 MID	05/15/00	72.24	---	28.49	---	43.75
GMW-O-4 MID	11/13/00	72.24	---	29.82	---	42.42
GMW-O-4 MID	05/07/01	72.24	---	29.02	---	43.22
GMW-O-4 MID	11/05/01	72.24	---	30	---	42.24
GMW-O-4 MID	04/08/02	72.24	---	29.8	---	42.44
GMW-O-4 MID	10/21/02	72.24	---	31.1	---	41.14
GMW-O-4 MID	04/07/03	72.24	---	30.26	---	41.98
GMW-O-4 MID	10/06/03	72.24	---	31.12	---	41.12
GMW-O-4 MID	01/11/04	72.24	---	32.81	---	39.43
GMW-O-4 MID	04/19/04	72.24	---	37.77	---	34.47
GMW-O-4 MID	05/02/05	72.24	---	29.73	---	42.51
GMW-O-4 MID	10/31/05	72.24	---	30.04	---	42.2
GMW-O-4 MID	05/01/06	72.24	---	28.81	---	43.43
GMW-O-4 MID	12/04/06	72.24	---	29.09	---	43.15

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-O-4 MID	04/30/07	72.24	---	28.95	---	43.29
GMW-O-4 MID	11/12/07	72.24	---	29.34	---	42.9
GMW-O-4 MID	04/14/08	72.24	---	30.1	---	42.14
GMW-O-4 MID	10/13/08	72.24	---	31.4	---	40.84
GMW-O-4 MID	04/20/09	72.24	---	31.15	---	41.09
GMW-O-4 MID	10/19/09	72.24	---	32.71	---	39.53
GMW-O-4 MID	05/24/10	72.24	---	31.92	---	40.32
GMW-O-4 MID	05/28/10	72.24	---	31.95	---	40.29
GMW-O-4 MID	04/11/11	72.24	---	31.03	---	41.21
GMW-O-4 MID	10/10/11	72.24	---	31.36	---	40.88
GMW-O-4 MID	04/16/12	72.24	---	31.35	---	40.89
GMW-O-4 MID	07/09/12	72.24	---	NM	---	NC
GMW-O-4 MID	10/15/12	72.24	---	32.25	---	39.99
GMW-O-4 MID	04/08/13	72.24	---	32.81	---	39.43
GMW-O-5	05/28/96	72.36	---	24.1	---	48.26
GMW-O-5	11/20/96	72.36	---	24.88	---	47.48
GMW-O-5	07/01/97	72.36	---	24.13	---	48.23
GMW-O-5	12/31/97	72.36	---	24.72	---	47.64
GMW-O-5	05/01/98	72.36	---	21.22	---	51.14
GMW-O-5	02/03/99	72.36	---	22.11	---	50.25
GMW-O-5	05/03/99	72.36	---	22.9	---	49.46
GMW-O-5	08/09/99	72.36	---	23.14	---	49.22
GMW-O-5	11/15/99	72.36	---	23.5	---	48.86
GMW-O-5	02/29/00	72.36	---	23.55	---	48.81
GMW-O-5	05/15/00	72.36	---	23.33	---	49.03
GMW-O-5	08/28/00	72.36	---	23.95	---	48.41
GMW-O-5	11/13/00	72.36	---	23.98	---	48.38
GMW-O-5	02/05/01	72.36	---	23.66	---	48.7
GMW-O-5	05/07/01	72.36	---	22.32	---	50.04
GMW-O-5	09/18/01	72.36	---	22.47	---	49.89
GMW-O-5	11/05/01	72.36	---	22.79	---	49.57
GMW-O-5	01/29/02	72.36	---	22.83	---	49.53
GMW-O-5	04/08/02	72.36	---	23.25	---	49.11
GMW-O-5	10/21/02	72.36	---	24.1	---	48.26
GMW-O-5	01/14/03	72.36	---	23.98	---	48.38
GMW-O-5	04/07/03	72.36	---	23.45	---	48.91
GMW-O-5	10/06/03	72.36	---	23.28	---	49.08
GMW-O-5	01/11/04	72.36	---	24.57	---	47.79
GMW-O-5	04/19/04	72.36	---	23.94	---	48.42
GMW-O-5	05/02/05	72.36	---	19.09	---	53.27
GMW-O-5	10/31/05	72.36	---	20.41	---	51.95
GMW-O-5	05/01/06	72.36	---	20.96	---	51.4
GMW-O-5	12/04/06	72.36	---	21.86	---	50.5
GMW-O-5	04/30/07	72.36	---	22.18	---	50.18
GMW-O-5	08/29/07	72.36	---	28.19	---	44.17
GMW-O-5	11/12/07	72.36	---	22.61	---	49.75
GMW-O-5	04/14/08	72.36	---	22.72	---	49.64
GMW-O-5	10/13/08	72.36	---	23.42	---	48.94
GMW-O-5	04/20/09	72.36	---	23.34	---	49.02
GMW-O-5	10/19/09	72.36	---	25.21	---	47.15
GMW-O-5	05/24/10	72.36	---	24.02	---	48.34
GMW-O-5	05/28/10	72.36	---	23.9	---	48.46
GMW-O-5	10/04/10	72.36	---	24.52	---	47.84
GMW-O-5	04/11/11	72.36	---	23.46	---	48.9
GMW-O-5	10/10/11	72.36	---	23.93	---	48.43
GMW-O-5	04/16/12	72.36	---	29	---	43.36
GMW-O-5	07/09/12	72.36	---	NM	---	NC
GMW-O-5	10/15/12	72.36	---	25.68	---	46.68
GMW-O-5	04/08/13	72.36	---	26.5	---	45.86

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
<b>GMW-O-5</b>	<b>10/07/13</b>	<b>72.36</b>	<b>---</b>	<b>27</b>	<b>---</b>	<b>45.36</b>
GMW-O-6	05/28/96	71.41	---	23.19	---	48.22
GMW-O-6	11/20/96	71.41	---	23.59	---	47.82
GMW-O-6	07/01/97	71.41	---	23.28	---	48.13
GMW-O-6	12/31/97	71.41	---	23.78	---	47.63
GMW-O-6	05/01/98	71.41	---	20.81	---	50.6
GMW-O-6	05/05/99	71.41	---	21.24	---	50.17
GMW-O-6	08/09/99	71.41	---	21.58	---	49.83
GMW-O-6	11/15/99	71.41	---	21.98	---	49.43
GMW-O-6	05/15/00	71.41	---	21.86	---	49.55
GMW-O-6	11/13/00	71.41	---	27.25	---	44.16
GMW-O-6	05/07/01	71.41	---	21.23	---	50.18
GMW-O-6	11/05/01	71.41	---	21.55	---	49.86
GMW-O-6	04/08/02	71.41	---	21.95	---	49.46
GMW-O-6	10/21/02	71.41	---	22.67	---	48.74
GMW-O-6	01/14/03	71.41	---	22.82	---	48.59
GMW-O-6	04/07/03	71.41	---	22.49	---	48.92
GMW-O-6	10/06/03	71.41	---	22.02	---	49.39
GMW-O-6	01/11/04	71.41	---	23.01	---	48.4
GMW-O-6	04/19/04	71.41	---	22.69	---	48.72
GMW-O-6	05/02/05	71.41	---	19.45	---	51.96
GMW-O-6	10/31/05	71.41	---	19.74	---	51.67
GMW-O-6	05/01/06	71.41	---	20.33	---	51.08
GMW-O-6	12/04/06	71.41	---	20.89	---	50.52
GMW-O-6	04/30/07	71.41	---	21.23	---	50.18
GMW-O-6	11/12/07	71.41	---	21.55	---	49.86
GMW-O-6	04/14/08	71.41	---	21.63	---	49.78
GMW-O-6	10/13/08	71.41	---	22.2	---	49.21
GMW-O-6	04/20/09	71.41	---	22.18	---	49.23
GMW-O-6	10/19/09	71.41	---	22.98	---	48.43
GMW-O-6	05/24/10	71.41	---	22.77	---	48.64
GMW-O-6	05/28/10	71.41	---	22.94	---	48.47
GMW-O-6	10/04/10	71.41	---	23.15	---	48.26
GMW-O-6	04/11/11	71.41	---	22.48	---	48.93
GMW-O-6	10/10/11	71.41	---	22.45	---	48.96
GMW-O-6	04/16/12	71.41	---	23.18	---	48.23
GMW-O-6	07/09/12	71.41	---	NM	---	NC
GMW-O-6	10/15/12	71.41	---	23.41	---	48
GMW-O-6	04/08/13	71.41	---	24.36	---	47.05
<b>GMW-O-6</b>	<b>10/07/13</b>	<b>71.41</b>	<b>---</b>	<b>25.31</b>	<b>---</b>	<b>46.1</b>
GMW-O-7	05/07/99	70.98	---	20.17	---	50.81
GMW-O-7	08/09/99	70.98	---	20.36	---	50.62
GMW-O-7	11/15/99	70.98	---	20.76	---	50.22
GMW-O-7	05/15/00	70.98	---	23.52	---	47.46
GMW-O-7	11/13/00	70.98	---	21.18	---	49.8
GMW-O-7	05/07/01	70.98	---	20.21	---	50.77
GMW-O-7	11/05/01	70.98	---	20.51	---	50.47
GMW-O-7	04/08/02	70.98	---	21.38	---	49.6
GMW-O-7	10/21/02	70.98	---	21.59	---	49.39
GMW-O-7	04/07/03	70.98	---	21.55	---	49.43
GMW-O-7	10/06/03	70.98	---	21.2	---	49.78
GMW-O-7	01/11/04	70.98	---	22.16	---	48.82
GMW-O-7	04/19/04	70.98	---	21.75	---	49.23
GMW-O-7	05/02/05	70.98	---	18.83	---	52.15
GMW-O-7	10/31/05	70.98	---	19.16	---	51.82
GMW-O-7	05/01/06	70.98	---	19.42	---	51.56
GMW-O-7	12/04/06	70.98	---	19.92	---	51.06
GMW-O-7	04/30/07	70.98	---	20.32	---	50.66
GMW-O-7	11/12/07	70.98	---	20.93	---	50.05

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-O-7	10/13/08	70.98	---	21.43	---	49.55
GMW-O-7	04/20/09	70.98	---	21.49	---	49.49
GMW-O-7	10/19/09	70.98	---	21.91	---	49.07
GMW-O-7	05/24/10	70.98	---	21.9	---	49.08
GMW-O-7	05/28/10	70.98	---	21.95	---	49.03
GMW-O-7	10/04/10	70.98	---	22.25	---	48.73
GMW-O-7	04/11/11	70.98	---	21.59	---	49.39
GMW-O-7	10/10/11	70.98	---	21.7	---	49.28
GMW-O-7	04/16/12	70.98	---	22.4	---	48.58
GMW-O-7	07/09/12	70.98	---	NM	---	NC
GMW-O-7	10/15/12	70.98	---	22.83	---	48.15
GMW-O-7	04/08/13	70.98	---	23.9	---	47.08
GMW-O-7	10/07/13	70.98	---	24.12	---	46.86
GMW-O-8	05/28/96	70.91	---	23.35	---	47.56
GMW-O-8	11/20/96	70.91	---	23.49	---	47.42
GMW-O-8	07/01/97	70.91	---	23.25	---	47.66
GMW-O-8	12/31/97	70.91	---	23.89	---	47.02
GMW-O-8	05/01/98	70.91	---	21.52	---	49.39
GMW-O-8	05/03/99	70.91	---	21	---	49.91
GMW-O-8	08/09/99	70.91	---	21.2	---	49.71
GMW-O-8	11/15/99	70.91	---	21.48	---	49.43
GMW-O-8	05/15/00	70.91	---	21.6	---	49.31
GMW-O-8	11/13/00	70.91	---	29.81	---	41.1
GMW-O-8	05/07/01	70.91	---	21.3	---	49.61
GMW-O-8	11/05/01	70.91	---	21.13	---	49.78
GMW-O-8	04/08/02	70.91	---	21.36	---	49.55
GMW-O-8	10/21/02	70.91	---	22	---	48.91
GMW-O-8	01/14/03	70.91	---	22.25	---	48.66
GMW-O-8	04/07/03	70.91	---	22.19	---	48.72
GMW-O-8	10/06/03	70.91	---	21.76	---	49.15
GMW-O-8	01/11/04	70.91	---	22.58	---	48.33
GMW-O-8	04/19/04	70.91	---	22.33	---	48.58
GMW-O-8	05/02/05	70.91	---	20.09	---	50.82
GMW-O-8	10/31/05	70.91	---	19.38	---	51.53
GMW-O-8	05/01/06	70.91	---	19.77	---	51.14
GMW-O-8	12/04/06	70.91	---	20.17	---	50.74
GMW-O-8	04/30/07	70.91	---	20.54	---	50.37
GMW-O-8	11/12/07	70.91	---	20.91	---	50
GMW-O-8	04/14/08	70.91	---	21.27	---	49.64
GMW-O-8	10/13/08	70.91	---	21.57	---	49.34
GMW-O-8	04/20/09	70.91	---	21.8	---	49.11
GMW-O-8	10/19/09	70.91	---	22.41	---	48.5
GMW-O-8	05/24/10	70.91	---	22.5	---	48.41
GMW-O-8	05/28/10	70.91	---	22.41	---	48.5
GMW-O-8	10/04/10	70.91	---	22.6	---	48.31
GMW-O-8	04/11/11	70.91	---	22.24	---	48.67
GMW-O-8	10/10/11	70.91	---	21.71	---	49.2
GMW-O-8	04/16/12	70.91	---	22.54	---	48.37
GMW-O-8	07/09/12	70.91	---	NM	---	NC
GMW-O-8	10/15/12	70.91	---	22.87	---	48.04
GMW-O-8	04/08/13	70.91	---	23.64	---	47.27
GMW-O-8	10/07/13	70.91	---	24.53	---	46.38
GMW-O-9	05/28/96	73.5	---	25.93	---	47.57
GMW-O-9	11/20/96	73.5	---	26.53	---	46.97
GMW-O-9	07/01/97	73.5	---	26.9	---	46.6
GMW-O-9	12/31/97	73.5	---	26.3	---	47.2
GMW-O-9	05/01/98	73.5	---	24.05	---	49.45
GMW-O-9	05/04/99	73.5	---	24.39	---	49.11
GMW-O-9	08/09/99	73.5	---	24.96	---	48.54

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**Summary of Historical Groundwater Elevations – November 1996 through October 2013**

*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-O-9	11/15/99	73.5	---	24.91	---	48.59
GMW-O-9	05/15/00	73.5	---	24.93	---	48.57
GMW-O-9	11/13/00	73.5	---	25.61	---	47.89
GMW-O-9	05/07/01	73.5	---	24.54	---	48.96
GMW-O-9	11/05/01	73.5	---	24.55	---	48.95
GMW-O-9	04/08/02	73.5	---	30.07	---	43.43
GMW-O-9	10/21/02	73.5	---	25.62	---	47.88
GMW-O-9	04/07/03	73.5	---	25.13	---	48.37
GMW-O-9	10/06/03	73.5	---	24.92	---	48.58
GMW-O-9	01/11/04	73.5	---	26.12	---	47.38
GMW-O-9	04/19/04	73.5	---	25.74	---	47.76
GMW-O-9	05/02/05	73.5	---	22.61	---	50.89
GMW-O-9	10/31/05	73.5	---	22.14	---	51.36
GMW-O-9	05/05/06	73.5	---	23.61	---	49.89
GMW-O-9	12/04/06	73.5	---	23.84	---	49.66
GMW-O-9	04/30/07	73.5	---	23.52	---	49.98
GMW-O-9	11/12/07	73.5	---	23.94	---	49.56
GMW-O-9	04/14/08	73.5	---	24.31	---	49.19
GMW-O-9	10/13/08	73.5	---	24.71	---	48.79
GMW-O-9	04/20/09	73.5	---	24.86	---	48.64
GMW-O-9	10/19/09	73.5	---	25.86	---	47.64
GMW-O-9	05/24/10	73.5	---	25.57	---	47.93
GMW-O-9	05/28/10	73.5	---	25.5	---	48
GMW-O-9	10/04/10	73.5	---	25.89	---	47.61
GMW-O-9	01/10/11	73.5	---	26.69	---	46.81
GMW-O-9	04/11/11	73.5	---	25.17	---	48.33
GMW-O-9	07/11/11	73.5	---	NM	---	NC
GMW-O-9	10/10/11	73.5	---	25.16	---	48.34
GMW-O-9	01/09/12	73.5	---	26.02	---	47.48
GMW-O-9	04/16/12	73.5	---	26.13	---	47.37
GMW-O-9	07/09/12	73.5	---	26.91	---	46.59
GMW-O-9	10/15/12	73.5	---	26.74	---	46.76
GMW-O-9	01/14/13	73.5	---	26.82	---	46.68
GMW-O-9	04/08/13	73.5	---	27.63	---	45.87
GMW-O-9	10/07/13	73.5	---	28.31	---	45.19
GMW-SF-10	04/21/09	75.77	---	27.1	---	48.67
GMW-SF-10	10/04/10	75.77	---	28.03	---	47.74
GMW-SF-10	04/11/11	75.77	---	26.8	---	48.97
GMW-SF-10	10/10/11	75.77	---	27.6	---	48.17
GMW-SF-10	04/16/12	75.77	---	28.81	---	46.96
GMW-SF-10	07/09/12	75.77	---	NM	---	NC
GMW-SF-10	10/15/12	75.77	---	29.88	---	45.89
GMW-SF-10	04/08/13	75.77	---	NM	---	NC
GMW-SF-7	05/28/96	75.26	---	26.65	---	48.61
GMW-SF-7	11/20/96	75.26	---	27.71	---	47.55
GMW-SF-7	12/31/97	75.26	---	27.11	---	48.15
GMW-SF-7	05/03/99	75.26	---	25.3	---	49.96
GMW-SF-7	08/09/99	75.26	---	25.79	---	49.47
GMW-SF-7	11/15/99	75.26	---	26.38	---	48.88
GMW-SF-7	05/15/00	75.26	---	25.88	---	49.38
GMW-SF-7	11/13/00	75.26	---	26.82	---	48.44
GMW-SF-7	05/07/01	75.26	---	24.35	---	50.91
GMW-SF-7	11/05/01	75.26	---	25.33	---	49.93
GMW-SF-7	02/01/02	75.26	---	25.52	---	49.74
GMW-SF-7	04/08/02	75.26	---	26.6	---	48.66
GMW-SF-7	10/21/02	75.26	---	27.02	---	48.24
GMW-SF-7	01/27/03	75.26	---	26.64	---	48.62
GMW-SF-7	04/07/03	75.26	---	25.7	---	49.56
GMW-SF-7	07/31/03	75.26	---	25.72	---	49.54

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**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-SF-7	10/06/03	75.26	---	26.57	---	48.69
GMW-SF-7	01/11/04	75.26	---	27.54	---	47.72
GMW-SF-7	01/27/04	75.26	---	26.65	---	48.61
GMW-SF-7	04/19/04	75.26	---	26.64	---	48.62
GMW-SF-7	07/19/04	75.26	---	26.89	---	48.37
GMW-SF-7	02/01/05	75.26	---	25.15	---	50.11
GMW-SF-7	05/02/05	75.26	---	20.52	---	54.74
GMW-SF-7	08/01/05	75.26	---	22.03	---	53.23
GMW-SF-7	10/31/05	75.26	---	22.99	---	52.27
GMW-SF-7	02/27/06	75.26	---	23.65	---	51.61
GMW-SF-7	05/01/06	75.26	---	23.68	---	51.58
GMW-SF-7	09/18/06	75.26	---	24.41	---	50.85
GMW-SF-7	12/04/06	75.26	---	24.72	---	50.54
GMW-SF-7	03/12/07	75.26	---	25.18	---	50.08
GMW-SF-7	04/30/07	75.26	---	25.17	---	50.09
GMW-SF-7	08/28/07	75.26	---	25.02	---	50.24
GMW-SF-7	11/12/07	75.26	---	25.57	---	49.69
GMW-SF-7	04/14/08	75.26	---	25.4	---	49.86
GMW-SF-7	10/13/08	75.26	---	26.29	---	48.97
GMW-SF-7	04/20/09	75.26	---	26.26	---	49
GMW-SF-7	10/19/09	75.26	---	27.51	---	47.75
GMW-SF-7	05/24/10	75.26	---	27.07	---	48.19
GMW-SF-7	05/28/10	75.26	---	27.06	---	48.2
GMW-SF-7	10/04/10	75.26	---	27.47	---	47.79
GMW-SF-7	04/11/11	75.26	---	26.13	---	49.13
GMW-SF-7	10/10/11	75.26	---	26.93	---	48.33
GMW-SF-7	04/16/12	75.26	---	28.12	---	47.14
GMW-SF-7	07/09/12	75.26	---	NM	---	NC
GMW-SF-7	10/15/12	75.26	---	28.93	---	46.33
GMW-SF-7	04/08/13	75.26	---	29.91	---	45.35
<b>GMW-SF-7</b>	<b>10/07/13</b>	<b>75.26</b>	<b>---</b>	<b>30.08</b>	<b>---</b>	<b>45.18</b>
GMW-SF-8	05/28/96	76.75	---	27.82	---	48.93
GMW-SF-8	11/20/96	76.75	---	28.77	---	47.98
GMW-SF-8	07/01/97	76.75	---	27.35	---	49.4
GMW-SF-8	12/31/97	76.75	---	28.42	---	48.33
GMW-SF-8	05/03/99	76.75	---	26.61	---	50.14
GMW-SF-8	08/09/99	76.75	---	26.99	---	49.76
GMW-SF-8	11/15/99	76.75	---	27.55	---	49.2
GMW-SF-8	05/15/00	76.45	---	27.17	---	49.28
GMW-SF-8	11/13/00	76.45	---	27.97	---	48.48
GMW-SF-8	05/07/01	76.45	---	25.54	---	50.91
GMW-SF-8	11/05/01	76.75	---	26.55	---	50.2
GMW-SF-8	04/08/02	76.75	---	27.73	---	49.02
GMW-SF-8	10/21/02	76.75	---	28.07	---	48.68
GMW-SF-8	01/27/03	76.75	---	27.98	---	48.77
GMW-SF-8	04/07/03	76.75	---	27.63	---	49.12
GMW-SF-8	07/31/03	76.75	---	26.99	---	49.76
GMW-SF-8	10/06/03	76.75	---	27.3	---	49.45
GMW-SF-8	01/11/04	76.75	---	28.54	---	48.21
GMW-SF-8	01/27/04	76.75	---	27.87	---	48.88
GMW-SF-8	04/19/04	76.75	---	27.88	---	48.87
GMW-SF-8	07/19/04	76.75	---	28.05	---	48.7
GMW-SF-8	02/01/05	76.75	---	26.52	---	50.23
GMW-SF-8	05/02/05	76.75	---	21.91	---	54.84
GMW-SF-8	08/01/05	76.75	---	23.33	---	53.42
GMW-SF-8	10/31/05	76.75	---	24.41	---	52.34
GMW-SF-8	02/27/06	76.75	---	24.98	---	51.77
GMW-SF-8	05/01/06	76.75	---	24.98	---	51.77
GMW-SF-8	09/18/06	76.75	---	25.69	---	51.06



**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**

*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GMW-SF-8	12/04/06	76.75	---	26.03	---	50.72
GMW-SF-8	04/30/07	76.75	---	26.45	---	50.3
GMW-SF-8	11/12/07	76.75	---	26.87	---	49.88
GMW-SF-8	04/14/08	76.75	---	26.66	---	50.09
GMW-SF-8	10/13/08	76.75	---	27.75	---	49
GMW-SF-8	04/20/09	76.75	---	27.68	---	49.07
GMW-SF-8	10/19/09	76.75	---	29.01	---	47.74
GMW-SF-8	05/24/10	76.75	---	28.34	---	48.41
GMW-SF-8	05/28/10	76.75	---	28.3	---	48.45
GMW-SF-8	10/04/10	76.75	---	28.7	---	48.05
GMW-SF-8	01/10/11	76.75	---	28.85	---	47.9
GMW-SF-8	04/11/11	76.75	---	27.44	---	49.31
GMW-SF-8	07/11/11	76.75	---	NM	---	NC
GMW-SF-8	10/10/11	76.75	---	28.18	---	48.57
GMW-SF-8	01/09/12	76.75	---	28.92	---	47.83
GMW-SF-8	04/16/12	76.75	---	29.34	---	47.41
GMW-SF-8	07/09/12	76.75	---	30.09	---	46.66
GMW-SF-8	10/15/12	76.75	---	30.21	---	46.54
GMW-SF-8	01/14/13	76.75	---	30.92	---	45.83
GMW-SF-8	04/08/13	76.75	---	30.98	---	45.77
GMW-SF-8	10/07/13	76.75	---	32.16	---	44.59
GMW-SF-9	04/21/09	73	---	24.19	---	48.81
GMW-SF-9	05/24/10	73	---	28.31	---	44.69
GMW-SF-9	05/28/10	73	---	28.37	---	44.63
GMW-SF-9	10/04/10	73	---	25.28	---	47.72
GMW-SF-9	04/11/11	73	---	23.9	---	49.1
GMW-SF-9	10/10/11	73	---	24.7	---	48.3
GMW-SF-9	04/16/12	73	---	26.99	---	46.01
GMW-SF-9	07/09/12	73	---	NM	---	NC
GMW-SF-9	10/15/12	73.05	---	34.21	---	38.79
GMW-SF-9	01/14/13	73.05	---	34.32	---	38.73
GMW-SF-9	04/10/13	73	---	27.37	---	45.63
GW-1	05/01/98	75	---	27.17	---	47.83
GW-1	05/25/99	75.46	---	27.73	---	47.73
GW-1	05/15/00	75.46	---	28.1	---	47.36
GW-1	05/07/01	75.46	---	27.43	---	48.03
GW-1	04/08/02	75.46	---	28.16	---	47.3
GW-1	10/21/02	75.46	---	27.95	---	47.51
GW-1	04/07/03	75.46	---	27.7	---	47.76
GW-1	10/06/03	75.46	---	27.97	---	47.49
GW-1	04/19/04	75.97	---	29	---	46.97
GW-1	11/01/04	75.97	---	28.98	---	46.99
GW-1	05/02/05	75.46	---	25.78	---	49.68
GW-1	05/01/06	75.97	---	26.2	---	49.77
GW-1	12/01/06	75.97	---	26.62	---	49.35
GW-1	04/30/07	75.97	---	26.78	---	49.19
GW-1	11/12/07	75.97	---	27.28	---	48.69
GW-1	04/11/08	75.97	---	26.6	---	49.37
GW-1	07/24/08	75.97	---	26.99	---	48.98
GW-1	10/13/08	75.97	---	27.56	---	48.41
GW-1	02/09/09	75.46	---	27.06	---	48.4
GW-1	04/07/10	75.46	---	29.76	---	45.7
GW-1	10/01/10	75.97	---	29.11	---	46.86
GW-1	01/06/11	75.97	---	29.99	---	45.98
GW-1	04/12/11	75.97	---	28.46	---	47.51
GW-1	07/07/11	75.97	---	28.45	---	47.52
GW-1	10/07/11	75.97	---	28.71	---	47.26
GW-1	04/12/12	75.97	---	29.46	---	46.51
GW-1	01/10/13	75.97	---	30.61	---	45.36



**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GW-1	04/02/13	75.97	---	30.7	---	45.27
GW-1	10/01/13	75.97	---	31.3	---	44.67
GW-13(1")	04/11/08	77.1	---	28.3	---	48.8
GW-13(1")	01/11/10	77.1	---	30.24	---	46.86
GW-13(1")	04/07/10	77.1	---	30.08	---	46.93
GW-13(6")	11/12/07	76.85	---	28.31	---	48.54
GW-13(6")	07/24/08	77.45	---	28.91	---	48.54
GW-13(6")	10/13/08	77.45	---	29.29	---	48.16
GW-13(6")	02/09/09	76.85	---	28.88	---	47.97
GW-13(6")	04/20/09	76.85	---	29.48	---	47.37
GW-13(6")	10/19/09	76.85	---	29.92	---	46.93
GW-13(6")	04/12/10	76.85	---	29.91	---	46.94
GW-13(6")	01/06/11	76.85	---	33.1	---	43.75
GW-13(6")	04/08/11	76.85	---	29.49	---	47.36
GW-13(6")	07/07/11	76.85	---	29.45	---	47.4
GW-13(6")	10/06/11	76.85	---	29.64	---	47.21
GW-13(6")	04/12/12	76.85	---	30.52	---	46.33
GW-13(6")	04/18/12	76.85	---	30.27	---	46.58
GW-13(6")	01/10/13	76.85	---	31.63	---	45.22
GW-13(6")	04/02/13	76.85	---	31.51	---	45.34
GW-13(6")	04/08/13	76.85	---	31.41	---	45.44
GW-13(6")	10/01/13	76.85	---	32.24	---	44.61
GW-14(1")	01/12/10	76.55	---	29.84	---	46.71
GW-14(6")	11/09/07	76.54	---	27.85	---	48.69
GW-14(6")	04/14/08	76.54	---	27.36	---	49.18
GW-14(6")	07/24/08	76.54	---	26.02	---	50.52
GW-14(6")	10/13/08	76.54	---	28.79	---	47.75
GW-14(6")	02/10/09	76.54	---	26.62	---	49.92
GW-14(6")	04/20/09	76.54	---	28.27	---	48.27
GW-14(6")	10/19/09	76.54	---	27.46	---	49.08
GW-14(6")	04/08/10	76.54	---	28.7	---	47.84
GW-14(6")	04/12/10	76.54	---	28.4	---	48.14
GW-14(6")	01/08/11	76.54	---	29.45	---	47.09
GW-14(6")	04/08/11	76.54	---	27.98	---	48.56
GW-14(6")	07/08/11	76.54	---	28.31	---	48.23
GW-14(6")	10/06/11	76.54	---	28.93	---	47.61
GW-14(6")	04/12/12	76.54	---	29.95	---	46.59
GW-14(6")	04/20/12	76.54	---	29.9	---	46.64
GW-14(6")	01/10/13	76.54	---	33.29	---	43.25
GW-14(6")	04/03/13	76.54	---	31.29	---	45.25
GW-14(6")	04/08/13	76.54	---	31.17	---	45.37
GW-14(6")	10/02/13	76.54	---	32.04	---	44.5
GW-15(1")	07/24/08	75.36	27.50	27.55	0.05	NC
GW-15(1")	10/16/08	75.36	28.15	28.16	0.01	NC
GW-15(1")	02/09/09	75.36	27.98	28.02	0.04	NC
GW-15(1")	07/17/09	75.36	28.51	28.59	0.08	NC
GW-15(1")	04/08/10	75.36	27.74	29.43	1.69	NC
GW-15(6")	04/11/08	74.94	---	26.19	---	48.75
GW-15(6")	10/19/09	74.94	---	NM	---	NC
GW-15(6")	04/12/10	74.94	27.58	29.63	2.05	NC
GW-15(6")	04/08/11	74.94	26.75	26.76	0.01	NC
GW-15(6")	07/07/11	74.94	27.57	27.61	0.04	NC
GW-15(6")	10/06/11	74.94	28.38	28.4	0.02	NC
GW-15(6")	04/12/12	74.94	29.54	29.55	0.01	NC
GW-15(6")	01/11/13	74.94	---	30.39	---	44.55
GW-15(6")	04/03/13	74.94	29.13	35.2	6.07	NC
GW-15(6")	10/02/13	74.94	31.7	35.01	3.31	42.7104
GW-16(1")	07/17/09	76.55	---	28.87	---	47.68
GW-16(1")	01/12/10	76.55	---	29.94	---	46.61

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**

*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GW-16(1")	04/07/11	76.33	---	28.55	---	47.78
GW-16(6")	10/19/09	76.33	---	29.94	---	46.39
GW-16(6")	04/12/10	76.33	---	28.71	---	47.62
GW-16(6")	07/07/11	76.33	---	28.96	---	47.37
GW-16(6")	10/06/11	76.33	---	29.34	---	46.99
GW-16(6")	04/12/12	76.33	---	30.12	---	46.21
GW-16(6")	01/11/13	76.33	---	31.3	---	45.03
GW-16(6")	04/03/13	76.33	---	31.1	---	45.23
<b>GW-16(6")</b>	<b>10/02/13</b>	<b>76.33</b>	<b>---</b>	<b>31.77</b>	<b>---</b>	<b>44.56</b>
GW-2	05/01/98	75	---	27.65	---	47.35
GW-2	05/25/99	76.39	---	28.47	---	47.92
GW-2	05/15/00	76.39	---	28.88	---	47.51
GW-2	05/07/01	76.39	---	28.22	---	48.17
GW-2	04/08/02	76.39	---	28.85	---	47.54
GW-2	10/21/02	76.39	---	28.75	---	47.64
GW-2	04/07/03	76.39	---	28.58	---	47.81
GW-2	10/06/03	76.39	---	28.67	---	47.72
GW-2	04/19/04	75.78	---	28.75	---	47.03
GW-2	11/01/04	75.78	---	28.72	---	47.06
GW-2	05/02/05	76.39	---	26.05	---	50.34
GW-2	05/01/06	75.78	---	25.84	---	49.94
GW-2	12/01/06	75.78	---	26.23	---	49.55
GW-2	04/30/07	75.78	---	26.52	---	49.26
GW-2	11/12/07	75.78	---	NM	---	NC
GW-2	04/11/08	76.39	---	27.39	---	49
GW-2	07/24/08	76.39	---	27.88	---	48.51
GW-2	10/13/08	76.39	---	28.31	---	48.08
GW-2	02/09/09	76.39	---	27.61	---	48.78
GW-2	01/11/10	76.39	---	29.26	---	47.13
GW-2	04/07/10	76.39	---	29.45	---	46.94
GW-2	01/06/11	75.78	---	32.45	---	43.33
GW-2	04/06/11	75.78	---	28.31	---	47.47
GW-2	07/07/11	75.78	---	28.25	---	47.53
GW-2	10/06/11	75.78	---	28.47	---	47.31
GW-2	04/12/12	75.78	---	29.34	---	46.44
GW-2	04/19/12	75.78	---	28.99	---	46.79
GW-2	01/10/13	75.78	---	30.42	---	45.36
GW-2	04/02/13	75.78	---	30.25	---	45.53
GW-2	04/08/13	75.78	---	30.11	---	45.67
<b>GW-2</b>	<b>10/01/13</b>	<b>75.78</b>	<b>---</b>	<b>30.95</b>	<b>---</b>	<b>44.83</b>
GW-3	05/01/98	75	---	28.26	---	46.74
GW-3	05/25/99	76.56	---	28.9	---	47.66
GW-3	05/15/00	76.56	---	29.29	---	47.27
GW-3	05/07/01	76.56	---	28.63	---	47.93
GW-3	04/08/02	76.56	---	29.23	---	47.33
GW-3	10/21/02	76.56	---	29.26	---	47.3
GW-3	04/07/03	76.56	---	28.25	---	48.31
GW-3	10/06/03	76.56	---	29.06	---	47.5
GW-3	04/19/04	76.56	---	30.24	---	46.32
GW-3	11/01/04	75.79	---	28.84	---	46.95
GW-3	05/02/05	76.56	---	25.65	---	50.91
GW-3	05/01/06	75.79	---	25.9	---	49.89
GW-3	12/01/06	75.79	---	26.31	---	49.48
GW-3	04/30/07	73.86	---	26.65	---	47.21
GW-3	11/12/07	75.79	---	27.11	---	48.68
GW-3	04/11/08	76.56	---	27.92	---	48.64
GW-3	07/24/08	75.79	---	27.79	---	48
GW-3	10/13/08	75.79	---	28.39	---	47.4
GW-3	02/09/09	75.79	---	27.12	---	48.67

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GW-3	04/20/09	75.79	---	26.3	---	49.49
GW-3	10/19/09	75.79	---	29.24	---	46.55
GW-3	04/07/10	76.56	---	55.57	---	20.99
GW-3	04/12/10	75.79	---	28.84	---	46.95
GW-3	10/01/10	75.79	---	29.1	---	46.69
GW-3	04/06/11	75.79	---	28.5	---	47.29
GW-3	07/08/11	75.79	---	28.36	---	47.43
GW-3	10/06/11	75.79	---	28.65	---	47.14
GW-3	04/12/12	75.79	---	29.35	---	46.44
GW-3	01/10/13	75.79	---	30.49	---	45.3
GW-3	04/02/13	75.79	---	30.38	---	45.41
GW-3	04/08/13	75.79	---	30.26	---	45.53
GW-3	10/01/13	75.79	---	31.14	---	44.65
GW-4	05/01/98	78.51	---	30.45	---	48.06
GW-4	05/25/99	74.77	---	26.97	---	47.8
GW-4	05/15/00	74.77	---	27.8	---	46.97
GW-4	05/07/01	74.77	---	26.87	---	47.9
GW-4	04/08/02	74.77	---	27.6	---	47.17
GW-4	10/21/02	74.77	---	27.6	---	47.17
GW-4	04/07/03	74.77	---	27.25	---	47.52
GW-4	10/06/03	74.77	---	27.4	---	47.37
GW-4	04/19/04	74.77	---	28.07	---	46.7
GW-4	11/01/04	74.77	---	28.09	---	46.68
GW-4	05/01/06	73.86	---	28.52	---	45.34
GW-4	12/01/06	74.77	---	NM	---	NC
GW-4	04/30/07	74.77	---	NM	---	NC
GW-4	11/12/07	74.77	---	26.4	---	48.37
GW-4	04/11/08	74.77	---	26.32	---	48.45
GW-4	07/24/08	74.77	---	26.71	---	48.06
GW-4	10/13/08	74.77	---	27.31	---	47.46
GW-4	02/09/09	74.77	---	26.05	---	48.72
GW-4	04/07/10	74.77	---	28.12	---	46.65
GW-4	10/01/10	73.86	---	NM	---	NC
GW-4	01/06/11	73.86	---	NM	---	NC
GW-4	04/06/11	73.86	---	NM	---	NC
GW-4	07/08/11	73.86	---	NM	---	NC
GW-4	04/12/12	73.86	---	NM	---	NC
GW-4	01/10/13	73.86	---	NM	---	NC
GW-4	04/02/13	73.86	---	NM	---	NC
GW-5	05/01/98	75	---	26.42	---	48.58
GW-5	05/25/99	77.09	---	29.01	---	48.08
GW-5	05/15/00	77.09	---	36.26	---	40.83
GW-5	05/07/01	77.09	---	30.32	---	46.77
GW-5	04/08/02	77.09	---	29.75	---	47.34
GW-5	10/21/02	77.09	---	30.27	---	46.82
GW-5	04/07/03	77.09	---	29.3	---	47.79
GW-5	10/06/03	77.09	---	29.34	---	47.75
GW-5	04/19/04	77.09	---	30.24	---	46.85
GW-5	11/01/04	77.09	---	30.02	---	47.07
GW-5	05/02/05	77.09	---	25.81	---	51.28
GW-5	05/01/06	77.09	---	26.87	---	50.22
GW-5	12/01/06	77.09	---	27.45	---	49.64
GW-5	04/27/07	77.09	---	27.75	---	49.34
GW-5	11/12/07	77.09	---	28.36	---	48.73
GW-5	04/11/08	77.09	---	28.17	---	48.92
GW-5	07/24/08	77.09	---	28.62	---	48.47
GW-5	10/13/08	77.09	---	29.21	---	47.88
GW-5	02/09/09	76.99	---	27.68	---	49.31
GW-5	04/07/10	76.99	---	29.88	---	47.11

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GW-5	10/01/10	76.99	---	30.03	---	46.96
GW-5	01/06/11	76.99	---	30.18	---	46.81
GW-5	04/06/11	76.99	---	29.11	---	47.88
GW-5	07/08/11	76.99	---	29.24	---	47.75
GW-5	10/06/11	76.99	---	29.58	---	47.41
GW-5	04/12/12	76.99	---	30.48	---	46.51
GW-5	01/10/13	76.99	---	31.68	---	45.31
GW-5	04/02/13	76.99	---	31.59	---	45.4
GW-5	10/01/13	76.99	---	32.33	---	44.66
GW-6	05/01/98	75	---	26.27	---	48.73
GW-6	05/25/99	77.41	---	29.61	---	47.8
GW-6	05/15/00	77.41	---	30.25	---	47.16
GW-6	05/07/01	77.41	---	30.31	---	47.1
GW-6	04/08/02	77.41	---	30.01	---	47.4
GW-6	10/21/02	77.41	---	27.32	---	50.09
GW-6	04/07/03	77.41	---	28.45	---	48.96
GW-6	10/06/03	77.41	---	28.65	---	48.76
GW-6	04/19/04	76.38	---	29.64	---	46.74
GW-6	11/01/04	77.41	---	30.32	---	47.09
GW-6	05/02/05	77.41	---	26.27	---	51.14
GW-6	05/01/06	76.38	---	26.2	---	50.18
GW-6	12/01/06	76.38	---	26.86	---	49.52
GW-6	04/27/07	76.38	---	27.14	---	49.24
GW-6	11/12/07	77.41	---	27.75	---	49.66
GW-6	04/11/08	76.38	---	27.52	---	48.86
GW-6	07/24/08	76.38	---	27.75	---	48.63
GW-6	10/13/08	76.38	---	28.54	---	47.84
GW-6	02/09/09	76.38	---	27.38	---	49
GW-6	04/20/09	76.38	---	28.41	---	47.97
GW-6	10/19/09	76.38	---	29.32	---	47.06
GW-6	04/07/10	76.38	---	30.21	---	46.17
GW-6	04/12/10	76.38	---	29.61	---	46.77
GW-6	01/06/11	76.38	---	29.45	---	46.93
GW-6	04/06/11	76.38	---	28.35	---	48.03
GW-6	07/07/11	76.38	28.51	28.52	0.01	NC
GW-6	10/06/11	76.38	---	28.88	---	47.5
GW-6	04/12/12	76.38	---	29.88	---	46.5
GW-6	04/18/12	76.38	---	29.65	---	46.73
GW-6	01/10/13	76.38	---	31.13	---	45.25
GW-6	04/02/13	76.38	---	31.03	---	45.35
GW-6	04/08/13	76.38	---	31	---	45.38
GW-6	10/01/13	76.38	---	31.78	---	44.6
GW-7	05/01/98	75	---	26.14	---	48.86
GW-7	05/25/99	76.46	---	28.29	---	48.17
GW-7	05/15/00	76.46	---	28.45	---	48.01
GW-7	04/08/02	76.46	---	27.66	---	48.8
GW-7	10/21/02	76.76	---	27.2	---	49.56
GW-7	04/07/03	76.76	---	28.4	---	48.36
GW-7	10/06/03	76.76	---	28.83	---	47.93
GW-7	04/19/04	75.02	---	28.65	---	46.37
GW-7	11/01/04	76.76	---	28.91	---	47.85
GW-7	05/02/05	76.76	---	25.45	---	51.31
GW-7	05/01/06	75.02	---	24.78	---	50.24
GW-7	12/01/06	75.02	---	25.41	---	49.61
GW-7	04/30/07	75.02	---	25.84	---	49.18
GW-7	11/12/07	76.46	---	NM	---	NC
GW-7	04/11/08	76.76	---	27.5	---	49.26
GW-7	07/24/08	76.46	---	27.62	---	48.84
GW-7	10/14/08	76.46	---	28.55	---	47.91

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GW-7	02/10/09	75.02	---	27.75	---	47.27
GW-7	04/08/10	76.76	---	29.04	---	47.72
GW-7	10/01/10	75.02	---	27.91	---	47.11
GW-7	01/07/11	75.02	---	28.12	---	46.9
GW-7	04/06/11	75.02	---	26.94	---	48.08
GW-7	07/08/11	75.02	---	27	---	48.02
GW-7	10/06/11	75.02	---	27.5	---	47.52
GW-7	04/12/12	75.02	---	NM	---	NC
GW-7	01/11/13	75.02	---	30.25	---	44.77
GW-7	04/03/13	75.02	---	30.03	---	44.99
GW-7	10/02/13	75.02	---	30.44	---	44.58
GW-8	05/01/98	75	---	26.17	---	48.83
GW-8	05/25/99	76.88	---	28.59	---	48.29
GW-8	05/15/00	76.88	---	36.92	---	39.96
GW-8	05/07/01	76.88	---	34.15	---	42.73
GW-8	04/08/02	76.88	---	33.15	---	43.73
GW-8	10/21/02	76.88	---	28.24	---	48.64
GW-8	04/07/03	76.88	---	29.04	---	47.84
GW-8	10/06/03	76.88	---	29.1	---	47.78
GW-8	04/19/04	76.88	---	30	---	46.88
GW-8	11/01/04	76.88	---	29.85	---	47.03
GW-8	05/02/05	76.88	---	25.45	---	51.43
GW-8	03/06/06	76.15	---	26.38	---	49.77
GW-8	05/01/06	76.88	---	26.66	---	50.22
GW-8	08/26/06	76.88	---	26.91	---	49.97
GW-8	12/01/06	76.15	---	26.53	---	49.62
GW-8	03/21/07	76.88	---	27.52	---	49.36
GW-8	04/27/07	76.88	---	26.91	---	49.97
GW-8	08/28/07	76.88	---	26.91	---	49.97
GW-8	11/12/07	76.88	---	27.52	---	49.36
GW-8	02/05/08	76.15	---	28.62	---	47.53
GW-8	04/11/08	76.15	---	27.35	---	48.8
GW-8	07/24/08	76.15	---	27.81	---	48.34
GW-8	10/13/08	76.15	---	28.4	---	47.75
GW-8	02/09/09	76.15	---	28.59	---	47.56
GW-8	07/16/09	76.15	---	28.48	---	47.67
GW-8	04/07/10	76.15	---	29.04	---	47.11
GW-8	10/01/10	76.15	---	29.19	---	46.96
GW-8	01/06/11	76.15	---	29.32	---	46.83
GW-8	04/06/11	76.15	---	28.27	---	47.88
GW-8	07/07/11	76.15	---	28.41	---	47.74
GW-8	10/06/11	76.15	---	28.76	---	47.39
GW-8	04/12/12	76.15	---	29.98	---	46.17
GW-8	01/10/13	76.15	---	30.85	---	45.3
GW-8	04/02/13	76.15	---	30.8	---	45.35
GW-8	10/01/13	76.15	---	31.53	---	44.62
GWR-1	11/20/96	73.65	---	26.79	---	46.86
GWR-1	07/01/97	73.65	---	27.69	---	45.96
GWR-1	12/31/97	73.65	---	27.34	---	46.31
GWR-1	05/01/98	73.65	---	24.04	---	49.61
GWR-1	05/07/99	73.65	---	25.56	---	48.09
GWR-1	08/09/99	73.65	---	25.64	---	48.01
GWR-1	11/15/99	73.65	---	25.86	---	47.79
GWR-1	05/15/00	73.65	---	25.65	---	48
GWR-1	11/13/00	73.65	---	26.4	---	47.25
GWR-1	05/07/01	73.65	---	24.75	---	48.9
GWR-1	08/07/01	73.65	---	24.39	---	49.26
GWR-1	11/05/01	73.65	---	24.8	---	48.85
GWR-1	04/08/02	73.65	---	29.39	---	44.26

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
GWR-1	10/21/02	73.65	---	26.03	---	47.62
GWR-1	04/07/03	73.65	---	25.69	---	47.96
GWR-1	10/06/03	73.65	---	25.36	---	48.29
GWR-1	01/11/04	73.65	---	26.72	---	46.93
GWR-1	04/19/04	73.65	---	NM	---	NC
GWR-1	05/02/05	73.65	---	21.62	---	52.03
GWR-1	08/01/05	73.65	---	22.06	---	51.59
GWR-1	10/31/05	73.65	---	24.16	---	49.49
GWR-1	05/01/06	73.65	---	22.7	---	50.95
GWR-1	09/18/06	73.65	---	24.31	---	49.34
GWR-1	12/04/06	73.65	---	23.95	---	49.7
GWR-1	04/30/07	73.65	---	41.65	---	32
GWR-1	11/12/07	73.65	---	24.05	---	49.6
GWR-1	04/14/08	73.65	---	24.4	---	49.25
GWR-1	10/13/08	73.65	---	25.06	---	48.59
GWR-1	04/20/09	77.4	---	28.78	---	48.62
GWR-1	10/19/09	77.4	---	29.98	---	47.42
GWR-1	05/24/10	77.4	---	26.37	---	51.03
GWR-1	05/28/10	77.4	---	25.91	---	51.49
GWR-1	10/04/10	77.4	---	26.15	---	51.25
GWR-1	04/11/11	77.4	---	27.5	---	49.9
GWR-1	10/10/11	77.4	---	25.45	---	51.95
GWR-1	04/16/12	77.4	---	27.53	---	49.87
GWR-1	07/09/12	77.4	---	NM	---	NC
GWR-1	10/15/12	77.4	---	29.21	---	48.19
GWR-1	04/08/13	77.4	---	29.28	---	48.12
<b>GWR-1</b>	<b>10/07/13</b>	<b>77.4</b>	<b>---</b>	<b>29.66</b>	<b>---</b>	<b>47.74</b>
GWR-2	08/09/99	73.66	---	25.74	---	47.92
GWR-2	10/21/02	73.66	---	25.89	---	47.77
GWR-2	04/07/03	73.66	---	26.68	---	46.98
GWR-3	08/09/99	74.93	27.45	29.3	1.85	NC
GWR-3	11/15/99	74.93	---	NM	---	NC
GWR-3	05/15/00	74.93	28.67	31.92	3.25	NC
GWR-3	11/13/00	74.93	---	37.59	---	37.34
GWR-3	05/07/01	74.93	28.15	27.2	0.95	NC
GWR-3	11/05/01	74.93	---	27.95	---	46.98
GWR-3	04/08/02	74.93	---	27.58	---	47.35
GWR-3	04/07/03	74.93	---	NM	---	NC
GWR-3	05/02/05	74.93	---	26.12	---	48.81
GWR-3	10/31/05	74.93	---	NM	---	NC
GWR-3	05/01/06	74.93	---	26.46	---	48.47
GWR-3	12/04/06	74.93	---	28.27	---	46.66
GWR-3	04/30/07	74.93	---	27.97	---	46.96
GWR-3	11/12/07	74.93	---	27.9	---	47.03
GWR-3	10/17/08	74.93	---	29.88	---	45.05
GWR-3	04/21/09	74.93	---	29.97	---	44.96
GWR-3	10/19/09	74.93	---	NM	---	NC
GWR-3	10/04/10	74.93	---	30.67	---	44.26
GWR-3	04/11/11	74.93	---	29.94	---	44.99
GWR-3	10/10/11	74.93	---	29.22	---	45.71
GWR-3	04/16/12	74.93	---	29.56	---	45.37
GWR-3	07/09/12	---	---	NM	---	NC
GWR-3	10/15/12	77.6	---	31.21	---	43.72
GWR-3	04/08/13	74.93	29.18	29.21	0.03	NC
<b>GWR-3</b>	<b>10/07/13</b>	<b>77.6</b>	<b>31.67</b>	<b>36.2</b>	<b>4.53</b>	<b>45.21</b>
HL-1	08/07/01	75.83	---	26.46	---	49.37
HL-1	04/08/02	75.83	---	27.3	---	48.53
HL-1	11/04/02	75.83	---	28.12	---	47.71
HL-1	04/07/03	75.83	---	27.72	---	48.11

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*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
HL-1	10/06/03	75.83	---	27.3	---	48.53
HL-1	01/11/04	75.83	---	28.72	---	47.11
HL-1	04/19/04	75.83	---	28.41	---	47.42
HL-1	05/02/05	75.83	---	23.71	---	52.12
HL-1	10/31/05	75.83	---	25.43	---	50.4
HL-2	05/28/96	76.91	---	30.94	---	45.97
HL-2	11/20/96	76.91	---	30.15	---	46.76
HL-2	07/01/97	76.91	---	31.2	---	45.71
HL-2	12/31/97	76.91	---	30.34	---	46.57
HL-2	05/01/98	76.91	---	28.16	---	48.75
HL-2	05/04/99	76.91	---	28.1	---	48.81
HL-2	08/09/99	76.91	---	28.37	---	48.54
HL-2	11/15/99	76.91	---	28.08	---	48.83
HL-2	05/15/00	76.91	---	28.23	---	48.68
HL-2	11/13/00	76.91	---	29.21	---	47.7
HL-2	05/07/01	76.91	---	25.99	---	50.92
HL-2	05/10/01	76.91	---	27.89	---	49.02
HL-2	11/05/01	76.91	---	27.76	---	49.15
HL-2	04/08/02	76.91	---	28.12	---	48.79
HL-2	10/21/02	76.91	---	28.4	---	48.51
HL-2	04/07/03	76.91	---	28.7	---	48.21
HL-2	07/07/03	76.94	---	28.61	---	48.33
HL-2	10/06/03	76.91	---	28.5	---	48.41
HL-2	01/11/04	76.94	---	NM	---	NC
HL-2	01/20/04	76.94	---	28.9	---	48.04
HL-2	04/19/04	76.94	---	29.24	---	47.7
HL-2	04/27/04	76.94	---	29.38	---	47.56
HL-2	06/07/04	76.94	---	29.58	---	47.36
HL-2	07/08/04	76.94	---	29.59	---	47.35
HL-2	05/02/05	76.94	---	26.61	---	50.33
HL-2	10/31/05	76.94	---	25.8	---	51.14
HL-2	05/01/06	76.94	---	26.04	---	50.9
HL-2	12/04/06	76.94	---	26.83	---	50.11
HL-2	04/30/07	76.94	---	26.81	---	50.13
HL-2	11/12/07	76.94	---	27.29	---	49.65
HL-2	04/14/08	76.94	---	27.1	---	49.84
HL-2	10/13/08	76.94	---	28.06	---	48.88
HL-2	04/20/09	76.94	---	28.28	---	48.66
HL-2	10/19/09	76.94	---	29.03	---	47.91
HL-2	05/24/10	76.94	---	29.36	---	47.58
HL-2	05/28/10	76.94	---	29.38	---	47.56
HL-2	10/04/10	76.94	---	29.25	---	47.69
HL-2	01/10/11	76.94	---	29.9	---	47.04
HL-2	04/11/11	76.94	---	28.73	---	48.21
HL-2	07/11/11	76.94	---	NM	---	NC
HL-2	10/10/11	76.94	---	28.54	---	48.4
HL-2	01/09/12	76.94	---	29.1	---	47.84
HL-2	04/16/12	76.94	---	29.5	---	47.44
HL-2	07/09/12	76.94	---	30.22	---	46.72
HL-2	10/15/12	76.94	---	30.22	---	46.72
HL-2	01/14/13	76.94	---	31.02	---	45.92
HL-2	04/08/13	76.94	---	30.99	---	45.95
HL-2	10/07/13	76.94	---	32.21	---	44.73
HL-3	05/07/01	76.86	---	27.92	---	48.94
HL-3	11/05/01	76.86	---	27.99	---	48.87
HL-3	04/08/02	76.86	---	28.73	---	48.13
HL-3	10/21/02	76.86	---	29.13	---	47.73
HL-3	04/07/03	76.86	---	29.04	---	47.82
HL-3	10/06/03	76.86	---	28.74	---	48.12



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*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
HL-3	01/11/04	76.86	---	30.21	---	46.65
HL-3	04/19/04	76.86	---	29.98	---	46.88
HL-3	05/02/05	76.86	---	24.8	---	52.06
HL-3	10/31/05	76.86	---	26.28	---	50.58
HL-3	05/01/06	76.86	---	26.01	---	50.85
HL-3	12/04/06	76.86	---	26.86	---	50
HL-3	04/30/07	76.86	---	26.92	---	49.94
HL-3	11/12/07	76.86	---	27.39	---	49.47
HL-3	04/14/08	76.86	---	27.62	---	49.24
HL-3	10/13/08	76.86	---	28.29	---	48.57
HL-3	04/20/09	76.86	---	28.45	---	48.41
HL-3	10/19/09	76.86	---	29.46	---	47.4
HL-3	05/24/10	76.86	---	29.27	---	47.59
HL-3	05/28/10	76.86	---	29.34	---	47.52
HL-3	10/04/10	76.86	---	29.36	---	47.5
HL-3	04/11/11	76.86	---	28.28	---	48.58
HL-3	10/10/11	76.86	---	28.7	---	48.16
HL-3	04/16/12	76.86	---	29.83	---	47.03
HL-3	07/09/12	76.86	---	NM	---	NC
HL-3	10/15/12	76.86	---	30.64	---	46.22
HL-3	04/08/13	76.86	---	31.61	---	45.25
HL-3	10/07/13	76.86	---	32.5	---	44.36
HL-4	05/28/96	75.75	---	NM	---	NC
HL-4	11/20/96	75.75	---	NM	---	NC
HL-4	07/01/97	75.75	---	NM	---	NC
HL-4	12/31/97	75.75	---	NM	---	NC
HL-4	05/01/98	75.75	---	NM	---	NC
HL-4	05/07/99	75.75	---	27.76	---	47.99
HL-4	08/09/99	75.75	---	27.77	---	47.98
HL-4	11/15/99	75.75	---	27.85	---	47.9
HL-4	05/15/00	75.75	---	19.32	---	56.43
HL-4	11/13/00	75.75	---	28.59	---	47.16
HL-4	05/07/01	75.75	---	26.93	---	48.82
HL-4	08/07/01	75.75	---	NM	---	NC
HL-4	11/05/01	75.75	---	26.9	---	48.85
HL-4	04/08/02	75.75	---	27.42	---	48.33
HL-4	10/21/02	75.75	---	28.02	---	47.73
HL-4	04/07/03	75.75	---	25.86	---	49.89
HL-4	10/06/03	75.75	---	27.59	---	48.16
HL-4	01/11/04	75.75	---	29.01	---	46.74
HL-4	04/19/04	75.75	---	28.81	---	46.94
HL-5	08/07/01	76.53	---	27.29	---	49.24
HL-5	10/21/02	76.13	---	28.4	---	47.73
HL-5	04/07/03	76.13	---	26.06	---	50.07
HL-5	10/06/03	76.13	---	27.65	---	48.48
HL-5	01/11/04	76.13	---	29.07	---	47.06
HL-5	04/19/04	76.13	---	28.88	---	47.25
HW-2	10/07/13	---	---	---	---	---
MW-10	05/28/96	79.12	---	32.22	---	46.9
MW-10	11/20/96	79.12	---	32.8	---	46.32
MW-10	07/01/97	79.12	---	32.86	---	46.26
MW-10	12/31/97	79.12	---	32.92	---	46.2
MW-10	05/01/98	79.12	---	30.28	---	48.84
MW-10	05/25/99	79.12	---	30.79	---	48.33
MW-10	05/15/00	79.12	---	32.32	---	46.8
MW-10	11/13/00	79.12	---	30.9	---	48.22
MW-10	05/07/01	79.12	---	31.21	---	47.91
MW-10	04/08/02	79.12	---	31.91	---	47.21
MW-10	10/21/02	79.12	---	31.53	---	47.59



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*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
MW-10	04/07/03	79.12	---	31.15	---	47.97
MW-10	10/06/03	79.12	---	31.11	---	48.01
MW-10	04/19/04	79.12	---	32.12	---	47
MW-10	11/01/04	79.12	---	31.96	---	47.16
MW-10	05/02/05	79.12	---	27.68	---	51.44
MW-10	03/06/06	79.12	---	28.44	---	50.68
MW-10	05/01/06	79.12	---	28.87	---	50.25
MW-10	08/26/06	79.12	---	29.17	---	NC
MW-10	12/01/06	79.12	---	29.52	---	49.6
MW-10	03/21/07	79.12	---	29.71	---	49.41
MW-10	04/27/07	79.12	---	29.9	---	49.22
MW-10	08/28/07	79.12	---	30.22	---	48.9
MW-10	11/12/07	79.12	---	30.5	---	48.62
MW-10	02/05/08	79.12	---	30.9	---	48.22
MW-10	04/11/08	79.12	---	30.31	---	48.81
MW-10	07/24/08	79.12	---	30.48	---	48.64
MW-10	10/13/08	79.12	---	31.39	---	47.73
MW-10	02/09/09	79.12	---	30.05	---	49.07
MW-10	07/16/09	79.12	---	31.42	---	47.7
MW-10	04/07/10	79.12	---	32	---	47.12
MW-10	10/01/10	79.12	---	32.09	---	47.03
MW-10	01/06/11	79.12	---	32.22	---	46.9
MW-10	04/08/11	79.12	---	31.24	---	47.88
MW-10	07/07/11	79.12	---	31.37	---	47.75
MW-10	10/06/11	79.12	---	31.71	---	47.41
MW-10	04/12/12	79.12	---	32.63	---	46.49
MW-10	01/10/13	79.12	---	33.78	---	45.34
MW-10	04/02/13	79.12	---	33.7	---	45.42
MW-11	05/28/96	78.17	27.63	30.52	2.89	NC
MW-11	11/20/96	78.17	31.31	33.6	2.29	NC
MW-11	07/01/97	78.17	31.89	34.15	2.26	NC
MW-11	12/31/97	78.17	31.42	33.49	2.07	NC
MW-11	05/01/98	78.17	26.96	28.75	1.79	NC
MW-11	05/25/99	78.17	29.93	29.95	0.02	NC
MW-11	05/15/00	78.17	---	29.88	---	48.29
MW-11	11/13/00	78.17	---	31.47	---	46.7
MW-11	05/07/01	78.17	---	28.95	---	49.22
MW-11	04/08/02	78.17	---	30.7	---	47.47
MW-11	10/21/02	78.17	---	29.98	---	48.19
MW-11	04/07/03	78.17	---	29.95	---	48.22
MW-11	10/06/03	78.17	---	30.36	---	47.81
MW-11	04/19/04	78.17	---	31.94	---	46.23
MW-11	11/01/04	78.17	---	30.8	---	47.37
MW-11	05/02/05	78.17	---	26.97	---	51.2
MW-11	05/01/06	78.17	---	27.86	---	50.31
MW-11	08/26/06	78.17	---	28.28	---	49.89
MW-11	12/01/06	78.17	---	28.56	---	49.61
MW-11	04/30/07	78.17	---	28.94	---	49.23
MW-11	11/12/07	78.17	---	29.5	---	48.67
MW-11	04/11/08	78.17	---	29.15	---	49.02
MW-11	10/14/08	78.17	---	30.18	---	47.99
MW-11	04/20/09	78.17	---	30	---	48.17
MW-11	10/19/09	78.17	---	30.91	---	47.26
MW-11	04/07/10	78.17	---	30.72	---	47.45
MW-11	04/12/10	78.17	---	30.55	---	47.62
MW-11	10/01/10	78.17	---	30.97	---	47.2
MW-11	01/07/11	78.17	---	31.12	---	47.05
MW-11	04/12/12	78.17	---	31.52	---	46.65
MW-11	04/19/12	78.17	---	31.34	---	46.83

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**

*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
MW-11	04/05/13	78.17	---	32.71	---	45.46
MW-12	05/28/96	75.76	---	28.18	---	47.58
MW-12	11/20/96	75.76	---	28.97	---	46.79
MW-12	07/01/97	75.76	---	29.49	---	46.27
MW-12	12/31/97	75.76	---	28.98	---	46.78
MW-12	05/01/98	75.76	---	26.27	---	49.49
MW-12	05/04/99	75.76	---	27.53	---	48.23
MW-12	11/15/99	75.76	---	27.65	---	48.11
MW-12	05/15/00	75.76	---	30.34	---	45.42
MW-12	11/13/00	75.76	---	27.44	---	48.32
MW-12	11/13/00	75.76	---	27.38	---	48.38
MW-12	05/07/01	75.76	---	26.72	---	49.04
MW-12	11/05/01	75.76	---	26.75	---	49.01
MW-12	04/08/02	75.76	---	27.7	---	48.06
MW-12	04/08/02	75.76	---	27.52	---	48.24
MW-12	10/21/02	75.76	---	28.09	---	47.67
MW-12	10/21/02	75.76	---	28.08	---	47.68
MW-12	04/07/03	75.76	---	27.77	---	47.99
MW-12	10/06/03	75.76	---	27.6	---	48.16
MW-12	01/11/04	75.76	---	29.91	---	45.85
MW-12	04/19/04	75.76	---	28.71	---	47.05
MW-12	05/02/05	75.76	---	23.56	---	52.2
MW-12	05/02/05	75.76	---	23.42	---	52.34
MW-12	10/31/05	75.76	---	25.61	---	50.15
MW-12	05/01/06	75.76	---	24.85	---	50.91
MW-12	05/01/06	75.76	---	25.09	---	50.67
MW-12	12/01/06	75.76	---	25.65	---	50.11
MW-12	12/04/06	75.76	---	25.69	---	50.07
MW-12	04/30/07	75.76	---	26.25	---	49.51
MW-12	04/30/07	75.76	---	25.8	---	49.96
MW-12	11/12/07	75.76	---	26.23	---	49.53
MW-12	11/12/07	75.76	---	27.12	---	48.64
MW-12	04/11/08	75.76	---	26.69	---	49.07
MW-12	04/14/08	75.76	---	29.47	---	46.29
MW-12	10/13/08	75.76	---	27.3	---	48.46
MW-12	10/14/08	75.76	---	27.59	---	48.17
MW-12	04/20/09	75.76	---	27.34	---	48.42
MW-12	10/19/09	75.76	---	28.88	---	46.88
MW-12	04/08/10	75.76	---	27.93	---	47.83
MW-12	05/24/10	75.76	---	28.16	---	47.6
MW-12	05/28/10	75.76	---	28.1	---	47.66
MW-12	10/04/10	75.76	---	28.21	---	47.55
MW-12	04/11/11	75.76	---	27.14	---	48.62
MW-12	10/10/11	75.76	---	27.92	---	47.84
MW-12	04/16/12	75.76	---	29.1	---	46.66
MW-12	07/09/12	75.76	---	NM	---	NC
MW-12	10/15/12	75.76	---	30.31	---	45.45
MW-12	04/08/13	75.76	---	30.53	---	45.23
MW-12	10/07/13	75.76	---	31.02	---	44.74
MW-13	05/28/96	78.25	---	30.8	---	47.45
MW-13	11/20/96	78.25	---	31.6	---	46.65
MW-13	07/01/97	78.25	---	30.7	---	47.55
MW-13	12/31/97	78.25	---	31.24	---	47.01
MW-13	05/01/98	78.25	---	28.22	---	50.03
MW-13	05/25/99	78.25	---	29.19	---	49.06
MW-13	05/15/00	78.25	---	29.95	---	48.3
MW-13	11/13/00	78.25	---	27.21	---	51.04
MW-13	02/05/01	78.25	---	29.42	---	48.83
MW-13	05/07/01	78.25	---	28.95	---	49.3

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
MW-13	04/08/02	78.25	---	30.33	---	47.92
MW-13	09/19/02	78.25	---	30.73	---	47.52
MW-13	10/21/02	78.25	---	30.88	---	47.37
MW-13	04/07/03	78.25	---	30.05	---	48.2
MW-13	10/06/03	78.25	---	29.76	---	48.49
MW-13	04/19/04	78.25	---	30.5	---	47.75
MW-13	11/01/04	78.25	---	30.85	---	47.4
MW-13	02/28/05	78.25	---	27.54	---	50.71
MW-13	05/02/05	78.25	---	25.62	---	52.63
MW-13	03/06/06	78.25	---	27.7	---	50.55
MW-13	05/01/06	78.25	---	27.7	---	50.55
MW-13	08/26/06	78.25	---	28.04	---	50.21
MW-13	12/01/06	78.25	---	28.49	---	49.76
MW-13	03/21/07	78.25	---	28.58	---	49.67
MW-13	04/27/07	78.25	---	29	---	49.25
MW-13	08/28/07	78.25	---	29.1	---	49.15
MW-13	11/12/07	78.25	---	29.46	---	48.79
MW-13	02/05/08	78.25	---	30	---	48.25
MW-13	04/11/08	78.25	---	29.23	---	49.02
MW-13	07/24/08	78.25	---	29.71	---	48.54
MW-13	10/13/08	78.25	---	30.5	---	47.75
MW-13	02/09/09	78.25	---	29.88	---	48.37
MW-13	04/20/09	78.25	---	30	---	48.25
MW-13	07/16/09	78.25	---	30.51	---	47.74
MW-13	10/19/09	78.25	---	30.85	---	47.4
MW-13	04/07/10	78.25	---	30.83	---	47.42
MW-13	04/12/10	78.25	---	30.82	---	47.43
MW-13	01/06/11	78.25	---	31.27	---	46.98
MW-13	04/07/11	78.25	---	29.93	---	48.32
MW-13	07/07/11	78.25	---	30.19	---	48.06
MW-13	10/06/11	78.25	---	30.78	---	47.47
MW-13	04/12/12	78.25	---	31.76	---	46.49
MW-13	04/17/12	78.25	---	31.46	---	46.79
MW-13	01/10/13	78.25	---	32.78	---	45.47
MW-13	04/02/13	78.25	---	32.76	---	45.49
MW-13	04/08/13	78.25	---	32.75	---	45.5
MW-13	10/01/13	78.25	---	33.48	---	44.77
MW-14	05/28/96	78.6	---	32.31	---	46.29
MW-14	11/20/96	78.6	---	32.52	---	46.08
MW-14	07/01/97	78.6	---	33.64	---	44.96
MW-14	12/31/97	78.6	---	32.91	---	45.69
MW-14	05/01/98	78.6	---	30.93	---	47.67
MW-14	02/03/99	78.6	---	30.99	---	47.61
MW-14	05/07/99	78.6	---	31.84	---	46.76
MW-14	05/25/99	78.6	---	30.85	---	47.75
MW-14	08/09/99	78.6	---	32.23	---	46.37
MW-14	02/29/00	78.6	---	31.43	---	47.17
MW-14	05/15/00	78.6	---	31.22	---	47.38
MW-14	08/28/00	78.6	---	31.78	---	46.82
MW-14	11/13/00	78.6	---	31.72	---	46.88
MW-14	02/05/01	78.6	---	31.25	---	47.35
MW-14	05/07/01	78.6	---	30.55	---	48.05
MW-14	05/07/01	78.6	---	NM	---	NC
MW-14	09/18/01	78.6	---	30.42	---	48.18
MW-14	01/29/02	78.6	---	30.89	---	47.71
MW-14	04/08/02	78.6	---	31.22	---	47.38
MW-14	07/29/02	78.6	---	31.02	---	47.58
MW-14	10/21/02	78.6	---	31.08	---	47.52
MW-14	01/27/03	78.6	---	30.78	---	47.82

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**

*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
MW-14	04/07/03	78.6	---	30.9	---	47.7
MW-14	10/06/03	78.6	---	30.96	---	47.64
MW-14	04/19/04	78.6	---	31.51	---	47.09
MW-14	11/01/04	78.6	---	31.61	---	46.99
MW-14	02/28/05	78.6	---	29.79	---	48.81
MW-14	05/02/05	78.6	---	28.31	---	50.29
MW-14	03/06/06	78.6	---	28.34	---	50.26
MW-14	05/01/06	78.6	---	28.76	---	49.84
MW-14	08/26/06	78.6	---	28.89	---	49.71
MW-14	12/01/06	78.6	---	29.15	---	49.45
MW-14	03/21/07	78.6	---	29.21	---	49.39
MW-14	04/30/07	78.6	---	29.44	---	49.16
MW-14	08/28/07	78.6	---	29.77	---	48.83
MW-14	11/12/07	78.6	---	29.91	---	48.69
MW-14	02/05/08	78.6	---	30.24	---	48.36
MW-14	04/11/08	78.6	---	29.73	---	48.87
MW-14	07/24/08	78.6	---	30.21	---	48.39
MW-14	10/13/08	78.6	---	30.71	---	47.89
MW-14	02/09/09	78.6	---	30.77	---	47.83
MW-14	04/20/09	78.6	---	30.8	---	47.8
MW-14	07/16/09	78.6	---	31.21	---	47.39
MW-14	07/20/09	78.6	---	31.31	---	47.29
MW-14	10/19/09	78.6	---	31.43	---	47.17
MW-14	01/11/10	78.6	---	31.94	---	46.66
MW-14	04/07/10	78.6	---	31.79	---	46.81
MW-14	04/12/10	78.6	---	31.44	---	47.16
MW-14	01/06/11	78.6	---	32.86	---	45.74
MW-14	04/06/11	78.6	---	31.13	---	47.47
MW-14	07/07/11	78.6	---	31.13	---	47.47
MW-14	10/06/11	78.6	---	31.31	---	47.29
MW-14	01/09/12	78.6	---	31.4	---	47.2
MW-14	04/12/12	78.6	---	32.07	---	46.53
MW-14	04/18/12	78.6	---	31.83	---	46.77
MW-14	01/11/13	78.6	---	33.24	---	45.36
MW-14	04/02/13	78.6	---	33.13	---	45.47
MW-14	04/08/13	78.6	---	33.8	---	44.8
MW-14	10/01/13	78.6	---	33.9	---	44.7
MW-15	05/28/96	76.99	---	28.96	---	48.03
MW-15	11/20/96	76.99	---	29.78	---	47.21
MW-15	07/01/97	76.99	---	29.53	---	47.46
MW-15	12/31/97	76.99	---	29.9	---	47.09
MW-15	05/01/98	76.99	---	26.57	---	50.42
MW-15	05/03/99	76.99	---	28.06	---	48.93
MW-15	08/09/99	76.99	---	28.35	---	48.64
MW-15	11/15/99	76.99	---	28.59	---	48.4
MW-15	05/15/00	76.99	---	28.36	---	48.63
MW-15	11/13/00	76.99	---	29.05	---	47.94
MW-15	05/07/01	76.99	---	27.36	---	49.63
MW-15	11/05/01	76.99	---	27.64	---	49.35
MW-15	04/08/02	76.99	---	28.39	---	48.6
MW-15	07/29/02	76.99	---	29.04	---	47.95
MW-15	10/21/02	76.99	29.14	29.15	0.01	NC
MW-15	04/07/03	76.99	28.51	28.52	0.01	NC
MW-15	10/06/03	76.99	28.38	28.39	0.01	NC
MW-15	01/11/04	76.99	29.55	29.64	0.09	NC
MW-15	04/19/04	76.99	27.60	27.61	0.01	NC
MW-15	05/02/05	76.99	22.88	22.93	0.05	NC
MW-15	10/31/05	76.99	27.60	27.81	0.21	NC
MW-15	05/01/06	76.99	---	25.92	---	NC

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
MW-15	12/04/06	76.99	---	26.76	---	50.23
MW-15	04/30/07	76.99	---	28.17	---	48.82
MW-15	11/12/07	76.99	27.02	28.25	1.23	NC
MW-15	04/14/08	76.99	27.33	28.31	0.98	NC
MW-15	04/14/08	76.99	27.40	28.37	0.97	NC
MW-15	10/13/08	76.99	---	29.05	---	47.94
MW-15	04/20/09	76.99	28.24	28.98	0.74	NC
MW-15	10/19/09	76.99	29.21	30.37	1.16	NC
MW-15	05/24/10	76.99	28.60	29.49	0.89	NC
MW-15	05/28/10	76.99	28.57	29.46	0.89	NC
MW-15	10/04/10	76.99	29.14	30.19	1.05	NC
MW-15	04/11/11	76.99	28.16	28.62	0.46	NC
MW-15	10/10/11	76.99	28.59	29.3	---	47.69
MW-15	04/27/12	76.99	---	31.5	---	45.49
MW-15	07/09/12	76.99	---	NM	---	NC
MW-15	10/15/12	76.99	31.36	32.38	1.02	NC
MW-15	04/08/13	76.99	31.44	32.4	0.96	NC
MW-15	10/07/13	76.99	31.87	32.18	0.31	45.0704
MW-16	05/28/96	76.87	---	28.85	---	48.02
MW-16	11/20/96	76.87	---	29.84	---	47.03
MW-16	07/01/97	76.87	---	28.17	---	48.7
MW-16	12/31/97	76.87	---	28.47	---	48.4
MW-16	05/01/98	76.87	---	23.99	---	52.88
MW-16	05/25/99	76.87	---	27.49	---	49.38
MW-16	05/15/00	76.87	---	28.17	---	48.7
MW-16	11/13/00	76.87	---	28.83	---	48.04
MW-16	05/07/01	76.87	---	27.05	---	49.82
MW-16	02/01/02	76.87	---	27.46	---	49.41
MW-16	04/08/02	76.87	---	28.36	---	48.51
MW-16	10/21/02	76.87	---	28.97	---	47.9
MW-16	01/27/03	76.87	---	28.62	---	48.25
MW-16	04/07/03	76.87	---	28.22	---	48.65
MW-16	07/30/03	76.87	---	27.87	---	49
MW-16	10/06/03	76.87	---	28	---	48.87
MW-16	01/27/04	76.87	---	28.56	---	48.31
MW-16	04/19/04	76.87	---	28.79	---	48.08
MW-16	07/19/04	76.87	---	28.79	---	48.08
MW-16	11/01/04	76.87	---	29.5	---	47.37
MW-16	02/01/05	76.87	---	27.16	---	49.71
MW-16	05/02/05	76.87	---	23.28	---	53.59
MW-16	08/01/05	76.87	---	24.36	---	52.51
MW-16	03/06/06	76.87	---	25.92	---	50.95
MW-16	05/01/06	76.87	---	25.85	---	51.02
MW-16	08/26/06	76.87	---	26.32	---	50.55
MW-16	09/18/06	76.87	---	26.32	---	50.55
MW-16	12/01/06	76.87	---	26.83	---	50.04
MW-16	03/21/07	76.87	---	27.15	---	49.72
MW-16	04/30/07	76.87	---	27.27	---	49.6
MW-16	08/28/07	76.87	---	27.85	---	49.02
MW-16	11/12/07	76.87	---	27.84	---	49.03
MW-16	02/05/08	76.87	---	28.88	---	47.99
MW-16	04/14/08	76.87	---	27.34	---	49.53
MW-16	07/24/08	76.87	---	28.01	---	48.86
MW-16	10/14/08	76.87	---	28.58	---	48.29
MW-16	02/10/09	76.87	---	28.54	---	48.33
MW-16	04/20/09	76.87	---	28.22	---	48.65
MW-16	07/16/09	76.87	---	29.12	---	47.75
MW-16	10/19/09	76.87	---	29.3	---	47.57
MW-16	04/08/10	76.87	---	28.71	---	48.16

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**

*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
MW-16	04/12/10	76.87	---	28.83	---	48.04
MW-16	01/08/11	76.87	---	29.63	---	47.24
MW-16	04/07/11	76.87	---	27.99	---	48.88
MW-16	07/08/11	76.87	---	28.34	---	48.53
MW-16	10/06/11	76.87	---	28.95	---	47.92
MW-16	04/12/12	76.87	---	30.16	---	46.71
MW-16	04/17/12	76.87	---	29.84	---	47.03
MW-16	01/10/13	76.87	---	31.47	---	45.4
MW-16	04/03/13	76.87	---	31.53	---	45.34
MW-16	04/08/13	76.87	---	31.51	---	45.36
MW-16	10/02/13	76.87	---	32.14	---	44.73
MW-17	05/28/96	77.86	---	29.91	---	47.95
MW-17	11/20/96	77.86	---	30.83	---	47.03
MW-17	07/01/97	77.86	---	29.4	---	48.46
MW-17	12/31/97	77.86	---	30.31	---	47.55
MW-17	05/01/98	77.86	---	26.49	---	51.37
MW-17	05/25/99	77.86	---	28.44	---	49.42
MW-17	05/15/00	77.86	---	29.09	---	48.77
MW-17	11/13/00	77.86	---	30.74	---	47.12
MW-17	05/07/01	77.86	---	27.81	---	50.05
MW-17	04/08/02	77.86	---	29.16	---	48.7
MW-17	10/21/02	77.86	---	30.2	---	47.66
MW-17	04/07/03	77.86	---	29.05	---	48.81
MW-17	10/06/03	77.86	---	28.9	---	48.96
MW-17	04/19/04	77.86	---	29.72	---	48.14
MW-17	11/01/04	77.86	---	30.33	---	47.53
MW-17	05/02/05	77.86	---	24.3	---	53.56
MW-17	03/06/06	77.86	---	26.85	---	51.01
MW-17	05/01/06	77.86	---	26.9	---	50.96
MW-17	08/26/06	77.86	---	27.41	---	50.45
MW-17	12/01/06	77.86	---	27.9	---	49.96
MW-17	03/21/07	77.86	---	27.99	---	49.87
MW-17	04/27/07	77.86	---	28.45	---	49.41
MW-17	08/28/07	77.86	---	28.45	---	49.41
MW-17	11/12/07	77.86	---	28.91	---	48.95
MW-17	02/05/08	77.86	---	29.46	---	48.4
MW-17	04/11/08	77.86	---	28.51	---	49.35
MW-17	07/24/08	77.86	---	29.11	---	48.75
MW-17	10/13/08	77.86	---	30	---	47.86
MW-17	02/09/09	77.86	---	29.36	---	48.5
MW-17	04/20/09	77.86	---	29.31	---	48.55
MW-17	07/16/09	77.86	---	32.25	---	45.61
MW-17	10/19/09	77.86	---	30.72	---	47.14
MW-17	04/07/10	77.86	---	29.92	---	47.94
MW-17	04/12/10	77.86	---	29.92	---	47.94
MW-17	01/06/11	77.86	---	30.93	---	46.93
MW-17	04/07/11	77.86	---	28.97	---	48.89
MW-17	07/07/11	77.86	---	29.49	---	48.37
MW-17	10/06/11	77.86	---	30.17	---	47.69
MW-17	04/12/12	77.86	---	31.35	---	46.51
MW-17	04/17/12	77.86	---	30.99	---	46.87
MW-17	01/10/13	77.86	---	32.34	---	45.52
MW-17	04/02/13	77.86	---	32.44	---	45.42
MW-17	04/08/13	77.86	---	32.43	---	45.43
MW-17	10/01/13	77.86	---	33.07	---	44.79
MW-18 MID	05/28/96	75.67	33.20	33.81	0.61	NC
MW-18 MID	11/20/96	75.67	---	32.82	---	42.85
MW-18 MID	07/01/97	75.67	---	29.1	---	46.57

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
MW-18 MID	12/31/97	75.67	32.67	33.25	0.58	NC
MW-18 MID	05/01/98	75.67	29.81	29.83	0.02	NC
MW-18 MID	08/09/99	75.67	---	31.33	---	44.34
MW-18 MID	11/15/99	75.67	---	NM	---	NC
MW-18 MID	11/19/99	75.67	---	31.86	---	43.81
MW-18 MID	05/15/00	75.67	---	24.58	---	51.09
MW-18 MID	11/13/00	75.67	---	26.78	---	48.89
MW-18 MID	05/07/01	75.67	---	30.38	---	45.29
MW-18 MID	08/07/01	75.67	---	30.46	---	45.21
MW-18 MID	11/05/01	75.67	---	30.66	---	45.01
MW-18 MID	04/08/02	75.67	---	31.22	---	44.45
MW-18 MID	10/21/02	75.67	---	32.24	---	43.43
MW-18 MID	04/07/03	75.67	---	NM	---	NC
MW-18 MID	10/06/03	75.67	---	31.42	---	44.25
MW-18 MID	01/11/04	75.67	---	NM	---	NC
MW-18 MID	04/19/04	75.67	---	32.34	---	43.33
MW-18 MID	05/02/05	75.67	---	27.67	---	48
MW-18 MID	10/31/05	75.67	---	25.96	---	49.71
MW-18 MID	05/01/06	75.67	---	28.92	---	46.75
MW-18 MID	12/04/06	75.67	---	29.74	---	45.93
MW-18 MID	04/30/07	75.67	---	29.77	---	45.9
MW-18 MID	11/12/07	75.67	---	30.23	---	45.44
MW-18 MID	04/14/08	75.67	---	30.45	---	45.22
MW-18 MID	10/13/08	75.67	---	31.15	---	44.52
MW-18 MID	04/20/09	75.67	---	31.49	---	44.18
MW-18 MID	10/19/09	75.67	---	32.62	---	43.05
MW-18 MID	05/24/10	75.67	---	32.26	---	43.41
MW-18 MID	05/28/10	75.67	---	32.17	---	43.5
MW-18 MID	04/11/11	75.67	---	31.28	---	44.39
MW-18 MID	10/10/11	75.67	---	31.51	---	44.16
MW-18 MID	04/16/12	75.67	---	31.75	---	43.92
MW-18 MID	07/09/12	75.67	---	NM	---	NC
MW-18 MID	10/15/12	75.67	---	33.41	---	42.26
MW-18 MID	04/08/13	75.67	---	30.68	---	44.99
MW-18 MID	10/07/13	75.67	---	35.33	---	40.34
MW-19 MID	05/28/96	78.14	---	31.52	---	46.62
MW-19 MID	11/20/96	78.14	---	32.04	---	46.1
MW-19 MID	07/01/97	78.14	---	33.51	---	44.63
MW-19 MID	12/31/97	78.14	---	33.72	---	44.42
MW-19 MID	05/01/98	78.14	---	29.48	---	48.66
MW-19 MID	02/03/99	78.14	---	29.05	---	49.09
MW-19 MID	05/03/99	78.14	---	30.91	---	47.23
MW-19 MID	08/09/99	78.14	---	30.9	---	47.24
MW-19 MID	11/15/99	78.14	---	30.63	---	47.51
MW-19 MID	02/29/00	78.14	---	29.59	---	48.55
MW-19 MID	05/15/00	78.14	---	25.27	---	52.87
MW-19 MID	08/28/00	78.14	---	32.23	---	45.91
MW-19 MID	11/13/00	78.14	---	31.9	---	46.24
MW-19 MID	02/05/01	78.14	---	30.55	---	47.59
MW-19 MID	05/07/01	78.14	---	29.82	---	48.32
MW-19 MID	09/18/01	78.14	---	29.81	---	48.33
MW-19 MID	11/05/01	78.14	---	29.71	---	48.43
MW-19 MID	01/29/02	78.14	---	30	---	48.14
MW-19 MID	04/08/02	78.14	---	30.12	---	48.02
MW-19 MID	10/21/02	78.14	---	41.44	---	36.7
MW-19 MID	04/07/03	78.14	---	31.94	---	46.2
MW-19 MID	10/06/03	78.14	---	31.1	---	47.04
MW-19 MID	01/11/04	78.14	---	32.97	---	45.17



**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
MW-19 MID	04/19/04	78.14	---	33.87	---	44.27
MW-19 MID	05/02/05	78.14	---	28	---	50.14
MW-19 MID	10/31/05	78.14	---	28.35	---	49.79
MW-19 MID	05/01/06	78.14	---	28.7	---	49.44
MW-19 MID	12/04/06	78.14	---	29.65	---	48.49
MW-19 MID	04/30/07	78.14	---	29.68	---	48.46
MW-19 MID	11/12/07	78.14	---	30.44	---	47.7
MW-19 MID	04/14/08	78.14	---	30.7	---	47.44
MW-19 MID	10/13/08	78.14	---	32.63	---	45.51
MW-19 MID	04/20/09	78.14	---	31.75	---	46.39
MW-19 MID	10/19/09	78.14	---	32.88	---	45.26
MW-19 MID	05/24/10	78.14	---	33.16	---	44.98
MW-19 MID	05/28/10	78.14	---	33.11	---	45.03
MW-19 MID	04/11/11	78.14	---	32.64	---	45.5
MW-19 MID	10/10/11	78.14	---	32.64	---	45.5
MW-19 MID	04/16/12	78.14	---	33.42	---	44.72
MW-19 MID	07/09/12	78.14	---	NM	---	NC
MW-19 MID	10/15/12	78.14	---	34.29	---	43.85
MW-19 MID	04/08/13	78.14	---	34.81	---	43.33
MW-19 MID	10/07/13	78.14	---	36.14	---	42
MW-20 MID	05/28/96	77.19	---	31.42	---	45.77
MW-20 MID	11/20/96	77.19	---	31.98	---	45.21
MW-20 MID	07/01/97	77.19	---	33.31	---	43.88
MW-20 MID	12/31/97	77.19	---	32.89	---	44.3
MW-20 MID	05/01/98	77.19	---	29.81	---	47.38
MW-20 MID	05/03/99	77.19	---	30.63	---	46.56
MW-20 MID	08/09/99	77.19	---	31.07	---	46.12
MW-20 MID	11/15/99	77.19	---	31	---	46.19
MW-20 MID	05/15/00	77.19	---	30.65	---	46.54
MW-20 MID	11/13/00	77.19	---	32.1	---	45.09
MW-20 MID	05/07/01	77.19	---	30.14	---	47.05
MW-20 MID	09/18/01	77.19	---	30.15	---	47.04
MW-20 MID	11/05/01	77.19	---	30.09	---	47.1
MW-20 MID	04/08/02	77.19	---	36.14	---	41.05
MW-20 MID	04/08/02	77.19	---	30.82	---	46.37
MW-20 MID	10/21/02	77.19	---	31.12	---	46.07
MW-20 MID	04/07/03	77.19	---	31.25	---	45.94
MW-20 MID	10/06/03	77.19	---	31.35	---	45.84
MW-20 MID	01/11/04	77.19	---	32.33	---	44.86
MW-20 MID	04/19/04	77.19	---	32.04	---	45.15
MW-20 MID	05/02/05	77.19	---	28.73	---	48.46
MW-20 MID	10/31/05	77.19	---	28.61	---	48.58
MW-20 MID	05/01/06	77.19	---	28.65	---	48.54
MW-20 MID	12/04/06	77.19	---	29.37	---	47.82
MW-20 MID	04/30/07	77.19	---	29.35	---	47.84
MW-20 MID	11/12/07	77.19	---	29.98	---	47.21
MW-20 MID	04/14/08	77.19	---	30.21	---	46.98
MW-20 MID	10/13/08	77.19	---	30.93	---	46.26
MW-20 MID	04/20/09	77.19	---	31.09	---	46.1
MW-20 MID	10/19/09	77.19	---	32.11	---	45.08
MW-20 MID	05/24/10	77.19	---	32.33	---	44.86
MW-20 MID	05/28/10	77.19	---	32.29	---	44.9
MW-20 MID	04/11/11	77.19	---	31.39	---	45.8
MW-20 MID	10/10/11	77.19	---	31.55	---	45.64
MW-20 MID	04/16/12	77.19	---	32.2	---	44.99
MW-20 MID	07/09/12	77.19	---	NM	---	NC
MW-20 MID	10/15/12	77.19	---	33.05	---	44.14
MW-20 MID	04/08/13	77.19	---	33.35	---	43.84



**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**

*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
MW-20 MID	10/07/13	77.19	---	34.37	---	42.82
MW-21 MID	05/04/99	77.55	---	28.99	---	48.56
MW-21 MID	08/09/99	77.55	---	29.67	---	47.88
MW-21 MID	11/15/99	77.55	---	30.5	---	47.05
MW-21 MID	05/15/00	77.55	---	27.3	---	50.25
MW-21 MID	11/13/00	77.55	---	30.41	---	47.14
MW-21 MID	05/07/01	77.55	---	28.68	---	48.87
MW-21 MID	11/05/01	77.55	---	28.67	---	48.88
MW-21 MID	04/08/02	77.55	---	49.51	---	28.04
MW-21 MID	10/21/02	77.55	---	29.92	---	47.63
MW-21 MID	04/07/03	77.55	---	29.9	---	47.65
MW-21 MID	10/06/03	77.55	---	29.51	---	48.04
MW-21 MID	01/11/04	77.55	---	30.91	---	46.64
MW-21 MID	04/19/04	77.55	---	30.66	---	46.89
MW-21 MID	05/02/05	77.55	---	25.61	---	51.94
MW-21 MID	10/31/05	77.55	---	26.31	---	51.24
MW-21 MID	05/01/06	77.55	---	26.66	---	50.89
MW-21 MID	12/04/06	77.55	---	27.55	---	50
MW-21 MID	04/30/07	77.55	---	27.68	---	49.87
MW-21 MID	11/12/07	77.55	---	28.08	---	49.47
MW-21 MID	04/14/08	77.55	---	28.32	---	49.23
MW-21 MID	10/13/08	77.55	---	28.96	---	48.59
MW-21 MID	04/20/09	77.55	---	29.19	---	48.36
MW-21 MID	10/19/09	77.55	---	30.3	---	47.25
MW-21 MID	05/24/10	77.55	---	30	---	47.55
MW-21 MID	05/28/10	77.55	---	29.97	---	47.58
MW-21 MID	04/11/11	77.55	---	29	---	48.55
MW-21 MID	10/10/11	77.55	---	29.44	---	48.11
MW-21 MID	04/16/12	77.55	---	30.54	---	47.01
MW-21 MID	07/09/12	77.55	---	NM	---	NC
MW-21 MID	10/15/12	77.55	---	31.23	---	46.32
MW-21 MID	04/08/13	77.55	---	32.29	---	45.26
MW-21 MID	10/07/13	77.55	---	32.62	---	44.93
MW-22 MID	05/28/96	79.57	---	33.53	---	46.04
MW-22 MID	11/20/96	79.57	---	34.39	---	45.18
MW-22 MID	07/01/97	79.57	---	35.42	---	44.15
MW-22 MID	12/31/97	79.57	---	34.06	---	45.51
MW-22 MID	05/01/98	79.57	---	32.12	---	47.45
MW-22 MID	02/02/99	79.57	---	31.76	---	47.81
MW-22 MID	05/04/99	79.57	---	32.6	---	46.97
MW-22 MID	05/25/99	79.57	---	32.02	---	47.55
MW-22 MID	08/09/99	79.57	---	33.24	---	46.33
MW-22 MID	02/29/00	79.57	---	32.76	---	46.81
MW-22 MID	05/15/00	79.57	---	32.72	---	46.85
MW-22 MID	08/28/00	79.57	---	33.8	---	45.77
MW-22 MID	11/13/00	79.57	---	32.61	---	46.96
MW-22 MID	11/13/00	79.57	---	33.47	---	46.1
MW-22 MID	02/05/01	79.57	---	32.62	---	46.95
MW-22 MID	05/07/01	79.57	---	32.05	---	47.52
MW-22 MID	05/07/01	79.57	---	32.01	---	47.56
MW-22 MID	09/18/01	79.57	---	32.07	---	47.5
MW-22 MID	11/05/01	79.57	---	NM	---	NC
MW-22 MID	01/29/02	79.57	---	32.32	---	47.25
MW-22 MID	04/08/02	79.57	---	32.61	---	46.96
MW-22 MID	07/29/02	79.57	---	32.76	---	46.81
MW-22 MID	10/21/02	79.57	---	32.66	---	46.91
MW-22 MID	01/27/03	79.57	---	32.44	---	47.13
MW-22 MID	04/07/03	79.57	---	32.5	---	47.07

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
MW-22 MID	10/06/03	79.57	---	32.98	---	46.59
MW-22 MID	04/19/04	79.57	---	33.32	---	46.25
MW-22 MID	11/01/04	79.57	---	33.44	---	46.13
MW-22 MID	02/28/05	79.57	---	31.66	---	47.91
MW-22 MID	05/02/05	79.57	---	29.93	---	49.64
MW-22 MID	03/06/06	79.57	---	30.12	---	49.45
MW-22 MID	05/01/06	79.57	---	30.54	---	49.03
MW-22 MID	08/26/06	79.57	---	31.04	---	48.53
MW-22 MID	12/01/06	79.57	---	31.18	---	48.39
MW-22 MID	03/21/07	79.57	---	31.49	---	48.08
MW-22 MID	04/30/07	79.57	---	31.33	---	48.24
MW-22 MID	08/28/07	79.57	---	31.96	---	47.61
MW-22 MID	11/12/07	79.57	---	32.19	---	47.38
MW-22 MID	02/05/08	79.57	---	32.51	---	47.06
MW-22 MID	04/11/08	79.57	---	31.83	---	47.74
MW-22 MID	10/13/08	79.57	---	33.01	---	46.56
MW-22 MID	02/09/09	79.57	---	32.96	---	46.61
MW-22 MID	04/20/09	79.57	---	32.65	---	46.92
MW-22 MID	07/16/09	79.57	---	33.51	---	46.06
MW-22 MID	07/20/09	79.57	---	33.96	---	45.61
MW-22 MID	10/19/09	79.57	---	33.87	---	45.7
MW-22 MID	01/11/10	79.57	---	34.14	---	45.43
MW-22 MID	04/07/10	79.57	---	34.02	---	45.55
MW-22 MID	04/12/10	79.57	---	33.62	---	45.95
MW-22 MID	01/07/11	79.57	---	34.5	---	45.07
MW-22 MID	04/06/11	79.57	---	33.39	---	46.18
MW-22 MID	07/08/11	79.57	---	33.34	---	46.23
MW-22 MID	10/06/11	79.57	---	33.57	---	46
MW-22 MID	01/09/12	79.57	---	33.72	---	45.85
MW-22 MID	04/12/12	79.57	---	34.22	---	45.35
MW-22 MID	04/18/12	79.57	---	33.98	---	45.59
MW-22 MID	01/11/13	79.57	---	35.48	---	44.09
MW-22 MID	04/03/13	79.57	---	35.32	---	44.25
MW-22 MID	04/08/13	79.57	---	35.3	---	44.27
MW-22 MID	10/02/13	79.57	---	36.18	---	43.39
MW-23 MID	05/28/96	79.59	---	32.44	---	47.15
MW-23 MID	11/20/96	79.59	---	33.2	---	46.39
MW-23 MID	07/01/97	79.59	---	32.94	---	46.65
MW-23 MID	12/31/97	79.59	---	33.14	---	46.45
MW-23 MID	05/01/98	79.59	---	30.25	---	49.34
MW-23 MID	05/25/99	79.59	---	31.03	---	48.56
MW-23 MID	05/15/00	79.59	---	31.97	---	47.62
MW-23 MID	11/13/00	79.59	---	31.21	---	48.38
MW-23 MID	05/07/01	79.59	---	28.3	---	51.29
MW-23 MID	04/08/02	79.59	---	32.27	---	47.32
MW-23 MID	10/21/02	79.59	---	31.44	---	48.15
MW-23 MID	04/07/03	79.59	---	30.22	---	49.37
MW-23 MID	10/06/03	79.59	---	31.5	---	48.09
MW-23 MID	04/19/04	79.59	---	32.65	---	46.94
MW-23 MID	11/01/04	79.59	---	32.33	---	47.26
MW-23 MID	05/02/05	79.59	---	27.72	---	51.87
MW-23 MID	03/06/06	79.59	---	28.81	---	50.78
MW-23 MID	05/01/06	79.59	---	29.21	---	50.38
MW-23 MID	08/26/06	79.59	---	29.56	---	50.03
MW-23 MID	12/01/06	79.59	---	29.91	---	49.68
MW-23 MID	03/21/07	79.59	---	30.14	---	49.45
MW-23 MID	04/27/07	79.59	---	30.33	---	49.26
MW-23 MID	08/28/07	79.59	---	31.05	---	48.54
MW-23 MID	11/12/07	79.59	---	30.95	---	48.64

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
MW-23 MID	02/05/08	79.59	---	31.91	---	47.68
MW-23 MID	04/11/08	79.59	---	30.72	---	48.87
MW-23 MID	07/24/08	79.59	---	31.02	---	48.57
MW-23 MID	10/13/08	79.59	---	31.82	---	47.77
MW-23 MID	02/09/09	79.59	---	32.78	---	46.81
MW-23 MID	04/20/09	79.59	---	32.46	---	47.13
MW-23 MID	07/16/09	79.59	---	31.79	---	47.8
MW-23 MID	10/19/09	79.59	---	32.44	---	47.15
MW-23 MID	04/07/10	79.59	---	32.29	---	47.3
MW-23 MID	04/12/10	79.59	---	31.83	---	47.76
MW-23 MID	01/06/11	79.59	---	32.53	---	47.06
MW-23 MID	04/06/11	79.59	---	31.34	---	48.25
MW-23 MID	07/07/11	79.59	---	31.62	---	47.97
MW-23 MID	10/06/11	79.59	---	32.03	---	47.56
MW-23 MID	04/12/12	79.59	---	33.1	---	46.49
MW-23 MID	04/19/12	79.59	---	32.87	---	46.72
MW-23 MID	01/10/13	79.59	---	34.27	---	45.32
MW-23 MID	04/02/13	79.59	---	34.25	---	45.34
MW-23 MID	04/08/13	79.59	---	34.19	---	45.4
MW-24	05/28/96	78.51	---	32.08	---	46.43
MW-24	11/20/96	78.51	---	32.33	---	46.18
MW-24	07/01/97	78.51	---	33.97	---	44.54
MW-24	12/31/97	78.51	---	32.72	---	45.79
MW-24	05/01/98	78.51	---	30.42	---	48.09
MW-24	05/25/99	78.51	---	30.59	---	47.92
MW-24	05/15/00	78.51	---	31.33	---	47.18
MW-24	11/13/00	78.51	---	31.6	---	46.91
MW-24	05/07/01	78.51	---	30.44	---	48.07
MW-24	04/08/02	78.51	---	31.12	---	47.39
MW-24	10/21/02	78.51	---	31.09	---	47.42
MW-24	04/07/03	78.51	---	30.8	---	47.71
MW-24	10/06/03	78.51	---	30.77	---	47.74
MW-24	04/19/04	78.51	---	31.49	---	47.02
MW-24	11/01/04	78.51	---	31.45	---	47.06
MW-24	05/02/05	78.51	---	27.71	---	50.8
MW-24	05/01/06	78.51	---	28.5	---	50.01
MW-24	12/01/06	78.51	---	29.06	---	49.45
MW-24	04/30/07	78.51	---	29.44	---	49.07
MW-24	11/12/07	78.51	---	29.91	---	48.6
MW-24	04/11/08	78.51	---	29.74	---	48.77
MW-24	07/24/08	78.51	---	29.96	---	48.55
MW-24	10/13/08	78.51	---	30.79	---	47.72
MW-24	02/09/09	78.51	---	29.67	---	48.84
MW-24	04/20/09	78.51	---	30.66	---	47.85
MW-24	10/19/09	78.51	---	31.61	---	46.9
MW-24	04/07/10	78.51	---	31.62	---	46.89
MW-24	04/12/10	78.51	---	31.26	---	47.25
MW-24	01/06/11	78.51	---	31.96	---	46.55
MW-24	04/06/11	78.51	---	30.98	---	47.53
MW-24	07/07/11	78.51	---	31.03	---	47.48
MW-24	10/06/11	78.51	---	31.26	---	47.25
MW-24	04/12/12	78.51	---	32.04	---	46.47
MW-24	04/18/12	78.51	---	31.82	---	46.69
MW-24	01/10/13	78.51	---	33.24	---	45.27
MW-24	04/02/13	78.51	---	33.09	---	45.42
MW-24	04/08/13	78.51	---	33.01	---	45.5
MW-24	10/01/13	78.51	---	33.87	---	44.64
MW-25	05/28/96	79.15	---	32.77	---	46.38
MW-25	11/20/96	79.15	---	33.9	---	45.25

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
MW-25	07/01/97	79.15	---	34.59	---	44.56
MW-25	12/31/97	79.15	---	33.41	---	45.74
MW-25	05/01/98	79.15	---	31.26	---	47.89
MW-25	05/04/99	79.15	---	32.01	---	47.14
MW-25	05/25/99	79.15	---	31.45	---	47.7
MW-25	08/09/99	79.15	---	32.56	---	46.59
MW-25	05/15/00	79.15	---	31.86	---	47.29
MW-25	11/13/00	79.15	---	32.5	---	46.65
MW-25	11/13/00	79.15	---	33.56	---	45.59
MW-25	05/07/01	79.15	---	31.12	---	48.03
MW-25	05/07/01	79.15	---	31.15	---	48
MW-25	04/08/02	79.15	---	31.81	---	47.34
MW-25	10/21/02	79.15	---	31.59	---	47.56
MW-25	04/07/03	79.15	---	31.4	---	47.75
MW-25	10/06/03	79.15	---	31.73	---	47.42
MW-25	04/19/04	79.15	---	32.19	---	46.96
MW-25	11/01/04	79.15	---	32.25	---	46.9
MW-25	05/02/05	79.15	---	28.89	---	50.26
MW-25	05/01/06	79.15	---	29.44	---	49.71
MW-25	12/01/06	79.15	---	29.84	---	49.31
MW-25	04/30/07	79.15	---	29.99	---	49.16
MW-25	11/12/07	79.15	---	30.5	---	48.65
MW-25	04/11/08	79.15	---	30.27	---	48.88
MW-25	07/24/08	79.15	---	30.9	---	48.25
MW-25	10/13/08	79.15	---	31.44	---	47.71
MW-25	02/09/09	79.15	---	30.7	---	48.45
MW-25	04/20/09	79.15	---	31.32	---	47.83
MW-25	10/19/09	79.15	---	32	---	47.15
MW-25	04/07/10	79.15	---	32.39	---	46.76
MW-25	04/12/10	79.15	---	31.86	---	47.29
MW-25	01/07/11	79.15	---	32.76	---	46.39
MW-25	04/06/11	79.15	---	31.64	---	47.51
MW-25	07/08/11	79.15	---	31.55	---	47.6
MW-25	10/06/11	79.15	---	31.78	---	47.37
MW-25	04/12/12	79.15	---	32.58	---	46.57
MW-25	04/17/12	79.15	---	32.35	---	46.8
MW-25	01/11/13	79.15	---	33.86	---	45.29
MW-25	04/03/13	79.15	---	33.65	---	45.5
MW-25	04/08/13	79.15	---	33.44	---	45.71
MW-26	05/28/96	77.4	---	30.7	---	46.7
MW-26	11/20/96	77.4	---	31.25	---	46.15
MW-26	07/01/97	77.4	---	32.24	---	45.16
MW-26	12/31/97	77.4	---	31.44	---	45.96
MW-26	05/01/98	77.4	---	28.96	---	48.44
MW-26	05/25/99	77.4	---	29.54	---	47.86
MW-26	05/15/00	77.4	---	29.97	---	47.43
MW-26	11/13/00	77.4	---	30.73	---	46.67
MW-26	05/07/01	77.4	---	29.05	---	48.35
MW-26	04/08/02	77.4	---	29.94	---	47.46
MW-26	10/21/02	77.4	---	29.73	---	47.67
MW-26	04/07/03	77.4	---	29.5	---	47.9
MW-26	10/06/03	77.4	---	29.78	---	47.62
MW-26	04/19/04	77.4	---	30.54	---	46.86
MW-26	11/01/04	77.4	---	30.43	---	46.97
MW-26	05/02/05	77.4	---	26.06	---	51.34
MW-26	05/01/06	77.4	---	27.46	---	49.94
MW-26	12/01/06	77.4	---	28	---	49.4
MW-26	04/30/07	77.4	---	28.18	---	49.22
MW-26	11/12/07	77.4	---	28.75	---	48.65

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
MW-26	04/11/08	77.4	---	28.46	---	48.94
MW-26	07/24/08	77.4	---	29	---	48.4
MW-26	10/13/08	77.4	---	29.42	---	47.98
MW-26	02/09/09	77.4	---	29.11	---	48.29
MW-26	04/20/09	77.4	---	29.42	---	47.98
MW-26	10/19/09	77.4	---	30	---	47.4
MW-26	04/07/10	77.4	---	30.24	---	47.16
MW-26	04/12/10	77.4	---	29.82	---	47.58
MW-26	01/07/11	77.4	---	30.77	---	46.63
MW-26	04/06/11	77.4	---	29.52	---	47.88
MW-26	07/08/11	77.4	---	29.48	---	47.92
MW-26	10/06/11	77.4	---	29.88	---	47.52
MW-26	04/12/12	77.4	---	30.77	---	46.63
MW-26	04/17/12	77.4	---	30.58	---	46.82
MW-26	01/11/13	77.4	---	32.17	---	45.23
MW-26	04/03/13	77.4	---	31.94	---	45.46
MW-26	04/08/13	77.4	---	31.86	---	45.54
MW-26	10/02/13	77.4	---	32.72	---	44.68
MW-27	05/28/96	78.46	---	31.43	---	47.03
MW-27	11/20/96	78.46	---	32.13	---	46.33
MW-27	07/01/97	78.46	---	32.99	---	45.47
MW-27	12/31/97	78.46	---	32.21	---	46.25
MW-27	05/01/98	78.46	---	29.05	---	49.41
MW-27	05/25/99	78.46	---	30.27	---	48.19
MW-27	05/15/00	78.46	---	30.81	---	47.65
MW-27	11/13/00	78.46	---	31.79	---	46.67
MW-27	05/07/01	78.46	---	29.61	---	48.85
MW-27	04/08/02	78.46	---	30.69	---	47.77
MW-27	10/21/02	78.46	---	30.62	---	47.84
MW-27	04/07/03	78.46	---	30.4	---	48.06
MW-27	10/06/03	78.46	---	30.79	---	47.67
MW-27	04/19/04	78.46	---	31.87	---	46.59
MW-27	11/01/04	78.46	---	31.66	---	46.8
MW-27	05/02/05	78.46	---	26.48	---	51.98
MW-27	05/01/06	78.46	---	28.17	---	50.29
MW-27	12/01/06	78.46	---	28.99	---	49.47
MW-27	04/30/07	78.46	---	29.17	---	49.29
MW-27	11/12/07	78.46	---	29.75	---	48.71
MW-27	04/11/08	78.46	---	29.25	---	49.21
MW-27	07/24/08	78.46	---	29.96	---	48.5
MW-27	10/13/08	78.46	---	30.34	---	48.12
MW-27	02/09/09	78.46	---	30.44	---	48.02
MW-27	04/20/09	78.46	---	30.27	---	48.19
MW-27	10/19/09	78.46	---	31.23	---	47.23
MW-27	04/07/10	78.46	---	30.95	---	47.51
MW-27	04/12/10	78.46	---	30.79	---	47.67
MW-27	01/07/11	78.46	---	31.53	---	46.93
MW-27	04/06/11	78.46	---	29.82	---	48.64
MW-27	07/08/11	78.46	---	30.03	---	48.43
MW-27	10/06/11	78.46	---	30.06	---	48.4
MW-27	04/12/12	78.46	---	31.72	---	46.74
MW-27	04/17/12	78.46	---	31.49	---	46.97
MW-27	01/11/13	78.46	---	33.24	---	45.22
MW-27	04/03/13	78.46	---	33.02	---	45.44
MW-27	04/08/13	78.46	---	32.98	---	45.48
MW-27	10/02/13	78.46	---	33.78	---	44.68
MW-28	05/28/96	78.53	---	31.13	---	47.4
MW-28	11/20/96	78.53	---	31.79	---	46.74
MW-28	07/01/97	78.53	---	31.98	---	46.55

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**

*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
MW-28	12/31/97	78.53	---	31.51	---	47.02
MW-28	05/01/98	78.53	---	29.09	---	49.44
MW-28	05/25/99	78.53	---	29.83	---	48.7
MW-28	05/15/00	78.53	---	30.45	---	48.08
MW-28	11/13/00	78.53	---	30.65	---	47.88
MW-28	05/07/01	78.53	---	29.18	---	49.35
MW-28	04/08/02	78.53	---	30.25	---	48.28
MW-28	10/21/02	78.53	---	30.77	---	47.76
MW-28	04/07/03	78.53	---	29.85	---	48.68
MW-28	10/06/03	78.53	---	30.1	---	48.43
MW-28	04/19/04	78.53	---	31.45	---	47.08
MW-28	11/01/04	78.53	---	31.25	---	47.28
MW-28	05/02/05	78.53	---	25.17	---	53.36
MW-28	05/01/06	78.53	---	27.55	---	50.98
MW-28	12/01/06	78.53	---	28.66	---	49.87
MW-28	04/30/07	78.53	---	29.05	---	49.48
MW-28	11/12/07	78.53	---	29.64	---	48.89
MW-28	04/11/08	78.53	---	29.28	---	49.25
MW-28	10/14/08	78.53	---	30.38	---	48.15
MW-28	04/08/10	78.53	---	30.58	---	47.95
MW-28	10/01/10	78.53	---	31.07	---	47.46
MW-28	01/07/11	78.53	---	31.13	---	47.4
MW-28	04/12/12	78.53	---	31.76	---	46.77
MW-28	10/02/13	78.53	---	33.89	---	44.64
MW-29	05/28/96	79.13	31.36	31.49	0.13	NC
MW-29	11/20/96	79.13	32.41	32.66	0.25	NC
MW-29	07/01/97	79.13	31.60	31.65	0.05	NC
MW-29	12/31/97	79.13	---	31.99	---	47.14
MW-29	05/01/98	79.13	---	29.06	---	50.07
MW-29	05/25/99	79.13	---	30.03	---	49.1
MW-29	05/15/00	79.13	---	30.81	---	48.32
MW-29	11/13/00	79.13	---	31.3	---	47.83
MW-29	05/07/01	79.13	---	29.3	---	49.83
MW-29	02/01/02	79.13	---	29.71	---	49.42
MW-29	04/08/02	79.13	---	31.12	---	48.01
MW-29	10/21/02	79.13	---	31.48	---	47.65
MW-29	04/07/03	79.13	---	30.42	---	48.71
MW-29	10/06/03	79.13	---	30.4	---	48.73
MW-29	04/19/04	79.13	---	31.39	---	47.74
MW-29	11/01/04	79.13	---	31.72	---	47.41
MW-29	03/06/06	79.13	---	27.38	---	51.75
MW-29	05/01/06	79.13	---	27.52	---	51.61
MW-29	08/26/06	79.13	---	28.23	---	50.9
MW-29	12/01/06	79.13	---	28.92	---	50.21
MW-29	03/21/07	79.13	---	28.72	---	50.41
MW-29	04/30/07	79.13	---	29.66	---	49.47
MW-29	08/28/07	79.13	---	29.01	---	50.12
MW-29	11/12/07	79.13	---	30.25	---	48.88
MW-29	02/05/08	79.13	---	29.91	---	49.22
MW-29	07/24/08	79.13	---	30.03	---	49.1
MW-29	10/14/08	79.13	---	30.94	---	48.19
MW-29	02/10/09	79.13	---	30.26	---	48.87
MW-29	07/16/09	79.13	---	31.15	---	47.98
MW-29	04/08/10	79.13	---	31.04	---	48.09
MW-29	10/01/10	79.13	---	31.64	---	47.49
MW-29	01/08/11	79.13	---	31.9	---	47.23
MW-29	04/06/11	79.13	---	30.19	---	48.94
MW-29	07/08/11	79.13	---	30.65	---	48.48
MW-29	10/06/11	79.13	---	31.3	---	47.83

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**

*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
MW-29	04/12/12	79.13	---	32.52	---	46.61
MW-29	01/10/13	79.13	---	33.79	---	45.34
MW-29	04/03/13	79.13	---	33.78	---	45.35
MW-29	04/08/13	79.13	---	33.58	---	45.55
MW-29	10/02/13	79.13	---	34.5	---	44.63
MW-6	05/28/96	77.2	---	30.52	---	46.68
MW-6	11/20/96	77.2	---	30.88	---	46.32
MW-6	07/01/97	77.2	---	32.12	---	45.08
MW-6	12/31/97	77.2	---	31.26	---	45.94
MW-6	05/01/98	77.2	---	29.15	---	48.05
MW-6	05/03/99	77.2	---	29.46	---	47.74
MW-6	08/09/99	77.2	---	29.65	---	47.55
MW-6	11/15/99	77.2	---	29.73	---	47.47
MW-6	05/15/00	77.2	---	29.39	---	47.81
MW-6	11/13/00	77.2	---	30.7	---	46.5
MW-6	05/07/01	77.2	---	28.88	---	48.32
MW-6	11/05/01	77.2	---	28.53	---	48.67
MW-6	04/08/02	77.2	---	29.29	---	47.91
MW-6	04/08/02	77.2	---	29.51	---	47.69
MW-6	10/21/02	77.2	---	29.4	---	47.8
MW-6	04/07/03	77.2	---	29.67	---	47.53
MW-6	10/06/03	77.2	---	29.48	---	47.72
MW-6	01/11/04	77.2	---	30.31	---	46.89
MW-6	04/19/04	77.2	---	30.29	---	46.91
MW-6	05/02/05	77.2	---	27	---	50.2
MW-6	10/31/05	77.2	---	26.36	---	50.84
MW-6	05/01/06	77.2	---	26.79	---	50.41
MW-6	12/04/06	77.2	---	27.41	---	49.79
MW-6	04/30/07	77.2	---	27.47	---	49.73
MW-6	11/12/07	77.2	---	27.72	---	49.48
MW-6	04/14/08	77.2	---	28.13	---	49.07
MW-6	10/13/08	77.2	---	30.63	---	46.57
MW-6	04/20/09	77.2	---	28.8	---	48.4
MW-6	10/19/09	77.2	---	29.48	---	47.72
MW-6	05/24/10	77.2	---	30.33	---	46.87
MW-6	05/28/10	77.2	---	30.17	---	47.03
MW-6	10/04/10	77.2	---	29.8	---	47.4
MW-6	04/11/11	77.2	---	29.14	---	48.06
MW-6	10/10/11	77.2	---	29.04	---	48.16
MW-6	04/16/12	77.2	---	30.1	---	47.1
MW-6	07/09/12	77.2	---	NM	---	NC
MW-6	10/15/12	77.2	---	30.91	---	46.29
MW-6	04/08/13	77.2	---	31.3	---	45.9
MW-6	10/07/13	77.2	---	32.14	---	45.06
MW-7	05/28/96	78.13	---	32.1	---	46.03
MW-7	11/20/96	78.13	---	32.65	---	45.48
MW-7	07/01/97	78.13	---	34.04	---	44.09
MW-7	12/31/97	78.13	---	32.78	---	45.35
MW-7	05/01/98	78.13	---	30.17	---	47.96
MW-7	05/03/99	78.13	---	30.64	---	47.49
MW-7	08/09/99	78.13	---	30.56	---	47.57
MW-7	11/15/99	78.13	---	30.4	---	47.73
MW-7	05/15/00	78.13	---	30.3	---	47.83
MW-7	11/13/00	78.13	---	31.69	---	46.44
MW-7	05/07/01	78.13	---	29.43	---	48.7
MW-7	11/05/01	78.13	---	29.34	---	48.79
MW-7	04/08/02	78.13	---	30.05	---	48.08
MW-7	10/21/02	78.13	---	30.42	---	47.71
MW-7	04/07/03	78.13	---	31.46	---	46.67



**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
MW-7	10/06/03	78.13	---	30.5	---	47.63
MW-7	01/11/04	78.13	---	32.16	---	45.97
MW-7	04/19/04	78.13	---	32.3	---	45.83
MW-7	05/02/05	78.13	---	27.06	---	51.07
MW-7	10/31/05	78.13	---	27.11	---	51.02
MW-7	05/01/06	78.13	---	27.51	---	50.62
MW-7	12/04/06	78.13	---	28.34	---	49.79
MW-7	04/30/07	78.13	---	28.37	---	49.76
MW-7	11/12/07	78.13	---	28.73	---	49.4
MW-7	04/14/08	78.13	---	29.75	---	48.38
MW-7	10/13/08	78.13	---	29.63	---	48.5
MW-7	04/20/09	78.13	---	29.76	---	48.37
MW-7	10/19/09	78.13	---	30.7	---	47.43
MW-7	05/24/10	78.13	---	30.7	---	47.43
MW-7	05/28/10	78.13	---	30.68	---	47.45
MW-7	10/04/10	78.13	---	28.16	---	49.97
MW-7	04/11/11	78.13	---	29.64	---	48.49
MW-7	10/10/11	78.13	---	30.02	---	48.11
MW-7	04/16/12	78.13	---	31.04	---	47.09
MW-7	07/09/12	78.13	---	NM	---	NC
MW-7	10/15/12	78.13	---	31.81	---	46.32
MW-7	04/08/13	78.13	---	32.54	---	45.59
MW-7	10/07/13	78.13	---	33.04	---	45.09
MW-8	05/28/96	76.06	---	26.96	---	49.1
MW-8	11/20/96	76.06	---	28.06	---	48
MW-8	05/03/99	76.06	---	25.82	---	50.24
MW-8	08/09/99	76.06	---	26.3	---	49.76
MW-8	11/15/99	76.06	---	26.93	---	49.13
MW-8	05/15/00	76.06	---	26.64	---	49.42
MW-8	11/13/00	76.06	---	27.69	---	48.37
MW-8	02/05/01	76.06	---	27.15	---	48.91
MW-8	05/07/01	76.06	---	25.43	---	50.63
MW-8	09/18/01	76.06	---	25.87	---	50.19
MW-8	11/05/01	76.06	---	NM	---	NC
MW-8	01/29/02	76.06	---	26.33	---	49.73
MW-8	04/08/02	76.06	---	26.7	---	49.36
MW-8	10/21/02	76.06	---	27.87	---	48.19
MW-8	01/27/03	76.06	---	27.39	---	48.67
MW-8	04/07/03	76.06	---	26.75	---	49.31
MW-8	07/31/03	76.06	---	26.56	---	49.5
MW-8	10/06/03	76.06	---	26.82	---	49.24
MW-8	01/11/04	76.06	---	28.25	---	47.81
MW-8	01/27/04	76.06	---	27.52	---	48.54
MW-8	04/19/04	76.06	---	29.21	---	46.85
MW-8	07/19/04	76.06	---	27.68	---	48.38
MW-8	02/01/05	76.06	---	26.49	---	49.57
MW-8	05/02/05	76.06	---	22.01	---	54.05
MW-8	08/01/05	76.06	---	23.19	---	52.87
MW-8	10/31/05	76.06	---	25.72	---	50.34
MW-8	02/27/06	76.06	---	24.41	---	51.65
MW-8	05/01/06	76.06	---	24.37	---	51.69
MW-8	09/18/06	76.06	---	25.21	---	50.85
MW-8	12/04/06	76.06	---	25.46	---	50.6
MW-8	03/12/07	76.06	---	25.98	---	50.08
MW-8	04/30/07	76.06	---	25.18	---	50.88
MW-8	08/28/07	76.06	---	26.9	---	49.16
MW-8	11/12/07	76.06	---	26.4	---	49.66
MW-8	02/19/08	76.06	---	26.79	---	49.27
MW-8	04/14/08	76.06	---	26.29	---	49.77



**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
MW-8	10/13/08	76.06	---	27.27	---	48.79
MW-8	04/20/09	76.06	---	27.19	---	48.87
MW-8	10/19/09	76.06	---	28.71	---	47.35
MW-8	05/24/10	76.06	---	27.91	---	48.15
MW-8	05/28/10	76.06	---	27.9	---	48.16
MW-8	10/04/10	76.06	---	28.16	---	47.9
MW-8	01/10/11	76.06	---	28.53	---	47.53
MW-8	04/11/11	76.06	---	26.84	---	49.22
MW-8	07/11/11	76.06	---	NM	---	NC
MW-8	10/10/11	76.06	---	27.65	---	48.41
MW-8	01/09/12	76.06	---	28.31	---	47.75
MW-8	04/16/12	76.06	---	28.77	---	47.29
MW-8	07/09/12	76.06	---	29.63	---	46.43
MW-8	10/15/12	76.06	---	29.48	---	46.58
MW-8	01/14/13	76.06	---	30.82	---	45.24
MW-8	04/08/13	76.06	---	30.56	---	45.5
MW-8	10/07/13	76.06	---	31.15	---	44.91
MW-9	11/20/96	77.11	---	29.76	---	47.35
MW-9	07/01/97	77.11	---	29.41	---	47.7
MW-9	12/31/97	77.11	---	29.72	---	47.39
MW-9	05/01/98	77.11	---	26.2	---	50.91
MW-9	08/09/99	77.11	28.08	28.5	0.42	NC
MW-9	11/15/99	77.11	---	28.58	---	48.53
MW-9	11/19/99	77.11	---	NM	---	NC
MW-9	11/13/00	77.11	28.92	28.94	0.02	NC
MW-9	05/07/01	77.11	---	24.26	---	52.85
MW-9	05/10/01	77.11	---	27.13	---	49.98
MW-9	09/18/01	77.11	27.49	27.5	0.01	NC
MW-9	11/05/01	77.11	---	27.59	---	49.52
MW-9	04/08/02	77.11	28.21	28.3	0.09	NC
MW-9	10/21/02	77.11	29.10	29.16	0.06	NC
MW-9	04/07/03	77.11	28.41	28.42	0.01	NC
MW-9	10/06/03	77.11	28.47	28.48	0.01	NC
MW-9	01/11/04	77.11	---	29.63	---	47.48
MW-9	04/19/04	77.11	27.50	27.53	0.03	NC
MW-9	05/02/05	77.11	---	23.61	---	53.5
MW-9	10/31/05	77.11	25.31	25.62	0.31	NC
MW-9	05/01/06	77.11	25.71	25.75	0.04	NC
MW-9	12/04/06	77.11	---	26.67	---	50.44
MW-9	04/30/07	77.11	---	27.29	---	49.82
MW-9	08/28/07	77.11	25.29	26.88	1.59	NC
MW-9	11/12/07	77.11	27.65	27.69	0.04	NC
MW-9	04/14/08	77.11	---	27.87	---	49.24
MW-9	10/13/08	77.11	---	28.43	---	48.68
MW-9	04/20/09	77.11	---	28.14	---	48.97
MW-9	10/19/09	77.11	29.36	29.4	0.04	NC
MW-9	05/24/10	77.11	---	29.11	---	48
MW-9	05/28/10	77.11	---	29.04	---	48.07
MW-9	10/04/10	77.11	---	29.35	---	47.76
MW-9	04/11/11	77.11	---	28.18	---	48.93
MW-9	10/10/11	77.11	---	28.66	---	48.45
MW-9	04/16/12	77.11	---	30.22	---	46.89
MW-9	07/09/12	77.11	---	NM	---	NC
MW-9	10/15/12	77.11	---	31.3	---	45.81
MW-9	04/08/13	77.11	---	31.4	---	45.71
MW-9	10/07/13	77.11	---	31.95	---	45.16
MW-O-1	04/08/02	75.48	---	24.31	---	51.17
MW-O-1	10/06/03	75.48	---	25.54	---	49.94
MW-O-1	01/11/04	75.48	26.52	26.6	0.08	NC

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
MW-O-1	04/19/04	75.48	---	NM	---	NC
MW-O-1	05/02/05	75.48	22.85	22.89	0.04	NC
MW-O-1	10/31/05	75.48	27.43	27.51	0.08	NC
MW-O-1	05/01/06	75.48	22.62	24.09	1.47	NC
MW-O-1	12/04/06	75.48	23.62	24.86	1.24	NC
MW-O-1	04/30/07	75.48	23.98	24.1	0.12	NC
MW-O-1	08/28/07	75.48	23.06	23.07	0.01	NC
MW-O-1	11/12/07	75.48	24.25	24.27	0.02	NC
MW-O-1	08/15/08	75.48	---	NM	---	NC
MW-O-1	10/17/08	75.48	---	25.3	---	50.18
MW-O-1	04/21/09	75.48	---	25.41	---	50.07
MW-O-1	10/19/09	75.48	---	26.3	---	49.18
MW-O-1	10/04/10	75.48	---	26.9	---	48.58
MW-O-1	04/11/11	75.48	---	25.59	---	49.89
MW-O-1	10/10/11	75.48	---	26.52	---	48.96
MW-O-1	04/16/12	75.48	---	27.25	---	48.23
MW-O-1	07/09/12	75.48	---	NM	---	NC
MW-O-1	10/15/12	75.48	---	28.94	---	46.54
MW-O-1	04/08/13	75.48	---	28.81	---	46.67
MW-O-1	10/07/13	75.48	---	29.21	---	46.27
MW-O-2	05/28/96	74.38	25.39	27.4	2.01	NC
MW-O-2	11/20/96	74.38	25.55	29.58	4.03	NC
MW-O-2	07/01/97	74.31	26.15	26.49	0.34	NC
MW-O-2	12/31/97	74.31	26.78	29	2.22	NC
MW-O-2	08/09/99	74.31	---	NM	---	NC
MW-O-2	05/15/00	74.31	25.37	29.63	4.26	NC
MW-O-2	11/13/00	74.31	25.61	26.32	0.71	NC
MW-O-2	05/07/01	74.31	---	NM	---	NC
MW-O-2	11/05/01	74.31	---	24.62	---	49.69
MW-O-2	04/08/02	74.31	---	25.71	---	48.6
MW-O-2	04/07/03	74.31	---	NM	---	NC
MW-O-2	10/06/03	74.31	23.00	24.19	1.19	NC
MW-O-2	05/02/05	74.31	---	27.02	---	47.29
MW-O-2	10/31/05	74.31	27.58	27.82	0.24	NC
MW-O-2	05/22/06	74.31	21.31	21.32	0.01	NC
MW-O-2	12/04/06	74.31	---	23.1	---	51.21
MW-O-2	04/30/07	74.31	---	22.53	---	51.78
MW-O-2	11/12/07	71.9	---	23.1	---	48.8
MW-O-2	08/15/08	71.9	---	NM	---	NC
MW-O-2	10/17/08	71.9	---	24.85	---	47.05
MW-O-2	04/21/09	71.9	---	NM	---	NM
MW-O-2	10/19/09	71.9	---	NM	---	NM
MW-O-2	10/04/10	71.9	---	26.05	---	45.85
MW-O-2	04/13/11	71.9	---	23.31	---	48.59
MW-O-2	10/10/11	71.9	---	27.53	---	44.37
MW-O-2	01/09/12	71.9	---	28.13	---	43.77
MW-O-2	04/16/12	71.9	---	NM	---	NC
MW-O-2	07/09/12	71.9	---	26.53	---	45.37
MW-O-2	10/15/12	71.9	---	26.89	---	45.01
MW-O-2	01/14/13	71.9	---	26.93	---	44.97
MW-O-2	04/08/13	71.9	---	NM	---	NC
MW-O-2	06/06/13	71.9	---	28.99	---	42.91
MW-O-2	10/07/13	71.9	---	29.06	---	42.84
MW-O-4	05/04/99	75	24.14	24.19	0.05	NC
MW-O-4	11/15/99	75	---	NM	---	NC
MW-O-4	05/15/00	75	---	NM	---	NC
MW-O-4	04/08/02	75	---	22.71	---	52.29
MW-SF-1	08/07/01	76.31	29.07	29.18	0.11	NC
MW-SF-1	04/08/02	78.93	---	29.81	---	49.12

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
MW-SF-1	11/04/02	78.93	31.02	31.03	0.01	NC
MW-SF-1	04/07/03	78.93	---	NM	---	NC
MW-SF-1	07/30/03	78.93	---	29.97	---	48.96
MW-SF-1	10/06/03	78.93	---	30.01	---	48.92
MW-SF-1	01/11/04	78.93	---	31.12	---	47.81
MW-SF-1	04/19/04	78.93	---	30.71	---	48.22
MW-SF-1	05/02/05	78.93	---	26.21	---	52.72
MW-SF-1	10/31/05	78.93	---	27.09	---	51.84
MW-SF-1	05/01/06	78.93	---	27.51	---	51.42
MW-SF-1	12/04/06	78.93	---	28.28	---	50.65
MW-SF-1	03/12/07	78.93	---	28.71	---	50.22
MW-SF-1	04/30/07	78.93	---	28.44	---	50.49
MW-SF-1	08/28/07	78.93	---	27.94	---	50.99
MW-SF-1	11/12/07	78.93	---	28.76	---	50.17
MW-SF-1	02/19/08	78.93	---	29.5	---	49.43
MW-SF-1	04/14/08	78.93	---	29.16	---	49.77
MW-SF-1	08/11/08	78.93	---	29.75	---	49.18
MW-SF-1	10/13/08	78.93	---	29.86	---	49.07
MW-SF-1	04/20/09	78.93	---	29.97	---	48.96
MW-SF-1	07/20/09	78.93	---	30.98	---	47.95
MW-SF-1	10/19/09	78.93	---	31.11	---	47.82
MW-SF-1	03/15/10	78.93	---	31.74	---	47.19
MW-SF-1	05/24/10	78.93	---	30.79	---	48.14
MW-SF-1	05/28/10	78.93	---	30.57	---	48.36
MW-SF-1	10/04/10	78.93	---	30.88	---	48.05
MW-SF-1	01/10/11	78.93	---	32.51	---	46.42
MW-SF-1	04/11/11	78.93	---	29.87	---	49.06
MW-SF-1	07/11/11	78.93	---	29.84	---	49.09
MW-SF-1	10/10/11	78.93	---	29.6	---	49.33
MW-SF-1	01/09/12	78.93	---	31.25	---	47.68
MW-SF-1	04/16/12	78.93	---	32.59	---	46.34
MW-SF-1	07/09/12	78.93	---	31.24	---	47.69
MW-SF-1	10/15/12	78.93	---	32.23	---	46.7
MW-SF-1	01/14/13	78.93	---	33.88	---	45.05
MW-SF-1	04/08/13	78.93	---	33.38	---	45.55
MW-SF-1	10/07/13	78.93	31.72	37.14	5.42	46.3428
MW-SF-10	10/17/08	76.53	---	27.49	---	49.04
MW-SF-10	10/19/09	76.53	---	28.61	---	47.92
MW-SF-10	10/04/10	76.53	28.36	28.5	0.14	NC
MW-SF-10	04/11/11	76.53	27.37	27.41	0.04	NC
MW-SF-10	10/10/11	76.53	---	27.6	---	48.93
MW-SF-10	04/16/12	76.53	---	28.81	---	47.72
MW-SF-10	07/09/12	76.53	---	NM	---	NC
MW-SF-10	10/15/12	76.53	---	29.27	---	47.26
MW-SF-10	04/08/13	76.53	---	NM	---	NC
MW-SF-10	10/07/13	76.53	---	---	---	---
MW-SF-11	08/28/07	78.56	---	28.22	---	50.34
MW-SF-11	11/12/07	78.56	---	29.03	---	49.53
MW-SF-11	08/15/08	78.56	---	30.13	---	48.43
MW-SF-11	10/17/08	78.56	---	30.5	---	48.06
MW-SF-11	04/21/09	78.56	---	30.03	---	48.53
MW-SF-11	10/19/09	78.56	---	NM	---	NM
MW-SF-11	10/04/10	78.56	---	30.94	---	47.62
MW-SF-11	04/12/11	78.56	---	30.82	---	47.74
MW-SF-11	10/10/11	78.56	---	30.1	---	48.46
MW-SF-11	04/16/12	78.56	---	NM	---	NC
MW-SF-11	07/09/12	78.56	---	NM	---	NC
MW-SF-11	10/15/12	78.56	---	33.28	---	45.28

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
MW-SF-11	04/08/13	78.56	---	33.11	---	45.45
MW-SF-11	10/07/13	78.56	---	33.91	---	44.65
MW-SF-12	08/28/07	78.07	---	27.58	---	50.49
MW-SF-12	11/12/07	78.07	---	28.33	---	49.74
MW-SF-12	08/12/08	78.07	---	30.02	---	48.05
MW-SF-12	10/17/08	78.08	---	30.42	---	47.66
MW-SF-12	04/21/09	78.07	---	29.52	---	48.55
MW-SF-12	10/19/09	78.07	---	NM	---	NM
MW-SF-12	10/04/10	78.07	---	30.7	---	47.37
MW-SF-12	04/11/11	78.07	---	29.47	---	48.6
MW-SF-12	10/10/11	78.07	---	26.6	---	51.47
MW-SF-12	04/16/12	78.07	---	31.4	---	46.67
MW-SF-12	07/09/12	78.07	---	NM	---	NC
MW-SF-12	10/15/12	78.07	---	32.12	---	45.95
MW-SF-12	04/08/13	78.07	---	NM	---	NC
MW-SF-13	08/28/07	73.4	---	22.85	---	50.55
MW-SF-13	11/12/07	73.4	---	23.7	---	49.7
MW-SF-13	08/15/08	73.4	24.11	27.38	3.27	NC
MW-SF-13	10/17/08	73.4	24.33	27.28	2.95	NC
MW-SF-13	10/21/08	73.4	24.26	27.14	2.88	NC
MW-SF-13	04/21/09	73.4	24.78	24.86	0.08	NC
MW-SF-13	10/19/09	73.4	---	NM	---	NM
MW-SF-13	10/04/10	73.4	25.92	26.95	1.03	NC
MW-SF-13	04/12/11	73.4	24.78	24.79	0.01	NC
MW-SF-13	10/10/11	73.4	---	26	---	47.4
MW-SF-13	04/16/12	73.4	---	27.19	---	46.21
MW-SF-13	07/09/12	73.4	---	NM	---	NC
MW-SF-13	10/15/12	73.4	---	27.01	---	46.39
MW-SF-13	04/08/13	73.4	---	27.9	---	45.5
MW-SF-13	11/14/13	73.4	28.25	29.95	1.7	44.878
MW-SF-14	08/28/07	78.16	---	27.53	---	50.63
MW-SF-14	11/12/07	78.16	---	NM	---	NC
MW-SF-14	08/15/08	78.16	29.24	29.77	0.53	NC
MW-SF-14	10/17/08	78.16	29.50	29.52	0.02	NC
MW-SF-14	04/21/09	78.16	---	29.61	---	48.55
MW-SF-14	10/19/09	78.16	---	NM	---	NM
MW-SF-14	10/04/10	78.16	---	30.54	---	47.62
MW-SF-14	04/12/11	78.16	---	29.55	---	48.61
MW-SF-14	10/10/11	78.16	---	29.84	---	48.32
MW-SF-14	04/16/12	78.16	---	NM	---	NC
MW-SF-14	07/09/12	78.16	---	NM	---	NC
MW-SF-14	10/15/12	78.16	---	30.02	---	48.14
MW-SF-14	05/24/13	78.16	---	32.75	---	45.41
MW-SF-14	11/14/13	78.16	33.19	33.57	0.38	44.9092
MW-SF-15	08/28/07	78.27	27.61	27.65	0.04	NC
MW-SF-15	11/12/07	78.27	---	28.75	---	49.52
MW-SF-15	08/15/08	78.27	29.35	30.12	0.77	NC
MW-SF-15	10/17/08	78.27	29.44	30.8	1.36	NC
MW-SF-15	04/21/09	78.27	29.60	29.96	0.36	NC
MW-SF-15	10/19/09	78.27	---	NM	---	NM
MW-SF-15	10/04/10	78.27	30.65	30.66	0.01	NC
MW-SF-15	04/12/11	78.27	29.40	30.5	1.1	NC
MW-SF-15	10/10/11	78.27	---	29.6	---	48.67
MW-SF-15	04/16/12	78.27	32.39	32.48	0.09	NC
MW-SF-15	07/09/12	78.27	---	NM	---	NC
MW-SF-15	10/15/12	78.16	---	33.04	---	45.12
MW-SF-15	05/24/13	78.27	---	33.9	---	44.37
MW-SF-15	11/14/13	78.27	33.38	33.41	0.03	44.8852
MW-SF-16	08/28/07	78.21	---	27.51	---	50.7

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
MW-SF-16	11/12/07	78.21	---	28.4	---	49.81
MW-SF-16	08/15/08	78.21	---	29.36	---	48.85
MW-SF-16	10/17/08	78.21	---	29.51	---	48.7
MW-SF-16	04/21/09	78.21	---	29.6	---	48.61
MW-SF-16	10/19/09	78.21	---	NM	---	NM
MW-SF-16	10/04/10	78.21	---	30.49	---	47.72
MW-SF-16	04/12/11	78.21	---	29.52	---	48.69
MW-SF-16	10/10/11	78.21	---	29.85	---	48.36
MW-SF-16	04/16/12	78.21	---	NM	---	NC
MW-SF-16	07/09/12	78.21	---	NM	---	NC
MW-SF-16	10/15/12	78.21	---	32.47	---	NC
MW-SF-16	05/24/13	78.21	32.73	32.97	0.24	NC
MW-SF-16	11/14/13	78.21	33.21	33.8	0.59	44.9056
MW-SF-2	05/28/96	78.45	---	NM	2.46	NC
MW-SF-2	11/20/96	78.45	30.31	36.68	6.37	NC
MW-SF-2	07/01/97	78.45	28.43	45.25	16.82	NC
MW-SF-2	12/31/97	78.45	30.86	33.92	3.06	NC
MW-SF-2	05/01/98	78.45	20.73	27.55	6.82	NC
MW-SF-2	08/09/99	78.45	---	NM	---	NC
MW-SF-2	11/15/99	78.45	---	NM	---	NC
MW-SF-2	05/15/00	78.45	27.56	30.01	2.45	NC
MW-SF-2	11/13/00	78.45	29.27	30.32	1.05	NC
MW-SF-2	05/07/01	78.45	28.00	29.75	1.75	NC
MW-SF-2	08/07/01	78.45	28.79	30.25	1.46	NC
MW-SF-2	11/05/01	78.45	29.50	30.49	0.99	NC
MW-SF-2	04/08/02	78.45	---	NM	---	NC
MW-SF-2	10/21/02	78.45	29.74	30.74	1	NC
MW-SF-2	04/07/03	78.45	---	NM	---	NC
MW-SF-2	10/06/03	78.93	29.87	29.88	0.01	NC
MW-SF-2	01/11/04	78.45	---	NM	---	NC
MW-SF-2	04/19/04	78.45	30.90	30.91	0.01	NC
MW-SF-2	05/02/05	78.45	26.25	26.52	0.27	NC
MW-SF-2	10/31/05	78.45	26.30	29.71	3.41	NC
MW-SF-2	05/01/06	78.45	27.22	27.96	0.74	NC
MW-SF-2	12/04/06	78.45	27.98	28.82	0.3	NC
MW-SF-2	04/30/07	78.45	28.34	28.35	0.01	NC
MW-SF-2	11/12/07	78.45	28.71	29.18	0.47	NC
MW-SF-2	08/12/08	78.45	---	31.11	---	47.34
MW-SF-2	10/17/08	78.45	31.00	31.55	0.55	NC
MW-SF-2	04/21/09	78.53	---	29.98	---	48.55
MW-SF-2	10/19/09	78.53	---	NM	---	NM
MW-SF-2	10/04/10	78.53	30.75	30.96	0.21	NC
MW-SF-2	04/11/11	78.53	---	29.83	---	48.7
MW-SF-2	07/11/11	78.53	---	NM	---	NC
MW-SF-2	10/10/11	78.53	---	29.82	---	48.71
MW-SF-2	01/09/12	78.53	---	30.52	---	48.01
MW-SF-2	04/16/12	78.53	---	31.28	---	47.25
MW-SF-2	07/09/12	78.53	---	33.18	---	45.35
MW-SF-2	10/15/12	78.53	---	32.11	---	46.42
MW-SF-2	01/14/13	78.53	---	33.59	---	44.94
MW-SF-2	04/08/13	78.53	---	33.32	---	45.21
MW-SF-2	10/07/13	78.53	33.08	34.58	1.5	45.21
MW-SF-3	08/07/01	76.03	27.67	29.2	1.53	NC
MW-SF-3	04/08/02	77.62	---	27.17	---	50.45
MW-SF-3	11/04/02	77.62	29.72	29.93	0.21	NC
MW-SF-3	04/07/03	77.62	---	NM	---	NC
MW-SF-3	10/06/03	78.93	28.92	29.09	0.17	NC
MW-SF-3	01/11/04	77.62	---	NM	---	NC
MW-SF-3	04/19/04	77.62	29.92	30.81	0.89	NC

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
MW-SF-3	05/02/05	77.62	25.09	26.7	1.61	NC
MW-SF-3	10/31/05	77.62	---	27.91	---	49.71
MW-SF-3	05/01/06	77.62	26.37	26.81	0.44	NC
MW-SF-3	12/04/06	77.62	27.18	27.77	0.59	NC
MW-SF-3	04/30/07	77.62	27.45	27.72	0.27	NC
MW-SF-3	11/12/07	77.62	28.28	29.34	1.06	NC
MW-SF-3	08/12/08	77.62	29.05	30.3	1.25	NC
MW-SF-3	10/17/08	77.62	---	29.45	---	48.17
MW-SF-3	04/21/09	78.12	29.50	29.51	0.01	NC
MW-SF-3	10/19/09	78.12	---	NM	---	NM
MW-SF-3	10/04/10	78.12	30.30	30.88	0.58	NC
MW-SF-3	04/12/11	78.12	---	29.44	---	48.68
MW-SF-3	10/10/11	78.12	---	30.75	---	47.37
MW-SF-3	04/16/12	78.12	---	NM	---	NC
MW-SF-3	07/09/12	78.12	---	NM	---	NC
MW-SF-3	10/15/12	78.12	---	32.47	---	45.65
MW-SF-3	05/24/13	78.12	32.51	33.35	0.84	NC
MW-SF-3	11/14/13	78.12	---	33.26	---	44.86
MW-SF-4	05/28/96	79.38	---	NM	0.14	NC
MW-SF-4	11/20/96	79.38	32.17	35.9	3.73	NC
MW-SF-4	07/01/97	79.38	31.85	36.92	5.07	NC
MW-SF-4	12/31/97	79.38	32.10	33.89	1.79	NC
MW-SF-4	05/01/98	79.38	28.27	29.99	1.72	NC
MW-SF-4	08/09/99	79.38	---	NM	---	NC
MW-SF-4	11/15/99	79.38	---	NM	---	NC
MW-SF-4	11/19/99	79.38	28.80	36.87	8.07	NC
MW-SF-4	05/15/00	79.38	---	NM	---	NC
MW-SF-4	11/13/00	79.38	---	NM	---	NC
MW-SF-4	05/07/01	79.38	---	24.62	---	54.76
MW-SF-4	05/10/01	79.38	---	24.61	---	54.77
MW-SF-4	11/05/01	79.38	---	30.05	---	49.33
MW-SF-4	04/08/02	79.38	---	28.46	---	50.92
MW-SF-4	10/21/02	79.38	---	31.5	---	47.88
MW-SF-4	04/07/03	79.38	---	NM	---	NC
MW-SF-4	07/30/03	79.38	31.89	31.92	0.03	NC
MW-SF-4	10/06/03	79.38	---	30.82	---	48.56
MW-SF-4	01/11/04	79.38	---	NM	---	NC
MW-SF-4	01/27/04	79.38	31.30	31.94	0.64	NC
MW-SF-4	04/19/04	79.38	31.65	32.7	1.05	NC
MW-SF-4	07/19/04	79.38	31.42	31.81	0.39	NC
MW-SF-4	02/01/05	79.38	30.34	30.71	0.37	NC
MW-SF-4	05/02/05	79.38	26.85	27	0.15	NC
MW-SF-4	08/01/05	79.38	27.43	27.81	0.34	NC
MW-SF-4	10/31/05	79.38	---	27.11	---	52.27
MW-SF-4	02/27/06	79.38	28.20	28.39	0.19	NC
MW-SF-4	05/01/06	79.38	28.34	28.56	0.22	NC
MW-SF-4	09/18/06	79.38	29.56	29.94	0.38	NC
MW-SF-4	12/04/06	79.38	---	26.98	---	52.4
MW-SF-4	03/12/07	79.38	29.41	30.01	0.6	NC
MW-SF-4	04/30/07	79.38	29.11	29.96	0.85	NC
MW-SF-4	08/28/07	79.38	28.30	29.95	1.65	NC
MW-SF-4	11/12/07	79.38	29.70	29.69	0.01	NC
MW-SF-4	02/19/08	79.38	---	30.22	---	49.16
MW-SF-4	04/14/08	79.38	---	29.95	---	49.43
MW-SF-4	08/08/08	79.38	---	30.51	---	48.87
MW-SF-4	08/11/08	79.38	---	30.57	---	48.81
MW-SF-4	10/16/08	79.38	---	30.77	---	48.61
MW-SF-4	04/20/09	79.38	29.94	30.02	0.08	NC



**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
MW-SF-4	07/20/09	79.38	31.61	31.65	0.04	NC
MW-SF-4	10/19/09	79.38	31.90	31.93	0.03	NC
MW-SF-4	03/15/10	79.38	31.91	31.95	0.04	NC
MW-SF-4	05/24/10	79.38	---	31.6	---	47.78
MW-SF-4	05/28/10	79.38	---	26.4	---	52.98
MW-SF-4	10/04/10	79.38	---	31.81	---	47.57
MW-SF-4	01/10/11	79.38	---	32.99	---	46.39
MW-SF-4	04/11/11	79.38	---	30.85	---	48.53
MW-SF-4	07/11/11	79.38	---	30.35	---	49.03
MW-SF-4	10/10/11	79.38	---	NM	---	NC
MW-SF-4	01/09/12	79.38	---	32.07	---	47.31
MW-SF-4	04/16/12	79.38	---	33.35	---	46.03
MW-SF-4	07/09/12	79.38	---	32.11	---	47.27
MW-SF-4	10/15/12	79.38	---	34.04	---	45.34
MW-SF-4	01/14/13	79.38	---	34.52	---	44.86
MW-SF-4	04/08/13	79.38	---	NM	---	NC
MW-SF-4	10/07/13	79.38	---	---	---	---
MW-SF-5	08/07/01	75.63	---	30.33	---	45.3
MW-SF-5	04/08/02	79.74	---	26.42	---	53.32
MW-SF-5	11/04/02	79.74	31.77	31.79	0.02	NC
MW-SF-5	04/07/03	79.74	---	NM	---	NC
MW-SF-5	10/06/03	79.74	31.14	31.15	0.01	NC
MW-SF-5	01/11/04	79.74	---	NM	---	NC
MW-SF-5	04/19/04	79.74	---	32.22	---	47.52
MW-SF-5	05/02/05	79.74	---	27.5	---	52.24
MW-SF-5	10/31/05	79.74	---	27.99	---	NC
MW-SF-5	05/01/06	79.74	---	28.42	---	51.32
MW-SF-5	12/04/06	79.74	---	28.23	---	51.51
MW-SF-5	04/30/07	79.74	---	29.54	---	50.2
MW-SF-5	08/28/07	79.74	---	28.84	---	50.9
MW-SF-5	11/12/07	79.74	---	29.93	---	49.81
MW-SF-5	04/14/08	79.74	---	30.2	---	49.54
MW-SF-5	08/11/08	79.74	---	30.85	---	48.89
MW-SF-5	10/13/08	79.74	---	30.93	---	48.81
MW-SF-5	04/20/09	79.74	---	30.99	---	48.75
MW-SF-5	10/19/09	79.74	---	NM	---	NM
MW-SF-5	05/24/10	79.74	---	31.55	---	48.19
MW-SF-5	05/28/10	79.74	---	31.44	---	48.3
MW-SF-5	10/04/10	79.74	---	31.39	---	48.35
MW-SF-5	01/10/11	79.74	---	33.8	---	45.94
MW-SF-5	04/11/11	79.74	---	31.03	---	48.71
MW-SF-5	07/11/11	79.74	---	NM	---	NC
MW-SF-5	10/10/11	79.74	---	31.28	---	48.46
MW-SF-5	01/09/12	79.74	---	32.12	---	47.62
MW-SF-5	04/16/12	79.74	---	33.3	---	46.44
MW-SF-5	07/09/12	79.74	---	34.45	---	45.29
MW-SF-5	10/15/12	79.74	---	33.28	---	46.46
MW-SF-5	01/14/13	79.74	---	33.37	---	46.37
MW-SF-5	04/08/13	79.74	---	34.28	---	45.46
MW-SF-5	10/07/13	79.74	---	34.58	---	45.16
MW-SF-6	05/28/96	80.59	---	NM	7.16	NC
MW-SF-6	11/20/96	80.59	31.88	39.82	7.94	NC
MW-SF-6	07/01/97	80.59	33.20	39.18	5.98	NC
MW-SF-6	12/31/97	80.59	34.38	39.94	5.56	NC
MW-SF-6	05/01/98	80.59	24.82	30.01	5.19	NC
MW-SF-6	08/09/99	80.59	---	NM	---	NC
MW-SF-6	11/15/99	80.59	---	NM	---	NC
MW-SF-6	05/15/00	80.59	29.67	31.19	1.52	NC

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
MW-SF-6	11/13/00	80.59	---	NM	---	NC
MW-SF-6	05/07/01	80.59	---	NM	---	NC
MW-SF-6	08/07/01	80.59	---	NM	---	NC
MW-SF-6	11/05/01	80.59	---	NM	---	NC
MW-SF-6	04/07/03	79.96	---	NM	---	NC
MW-SF-6	10/06/03	79.96	---	NM	---	NC
MW-SF-6	01/11/04	79.96	---	NM	---	NC
MW-SF-6	04/19/04	79.96	---	NM	---	NC
MW-SF-6	05/02/05	79.96	---	NM	---	NC
MW-SF-6	10/31/05	79.96	---	NM	---	NC
MW-SF-6	05/01/06	79.96	---	25.43	---	54.53
MW-SF-6	04/30/07	79.96	27.20	27.44	0.24	NC
MW-SF-6	11/12/07	79.96	---	27.14	---	52.82
MW-SF-6	08/12/08	79.96	---	29.82	---	50.14
MW-SF-6	10/17/08	79.96	---	29.75	---	50.21
MW-SF-6	04/21/09	76.8	---	28.45	---	48.35
MW-SF-6	10/19/09	76.8	---	NM	---	NM
MW-SF-6	10/04/10	76.8	---	29.09	---	47.71
MW-SF-6	01/10/11	76.8	---	30.87	---	45.93
MW-SF-6	04/11/11	76.8	---	28.16	---	48.64
MW-SF-6	07/11/11	76.8	---	NM	---	NC
MW-SF-6	10/10/11	76.8	---	28.21	---	48.59
MW-SF-6	01/09/12	76.8	---	29.03	---	47.77
MW-SF-6	04/16/12	76.8	---	29.66	---	47.14
MW-SF-6	07/09/12	76.8	---	31.46	---	45.34
MW-SF-6	10/15/12	76.8	---	31.44	---	45.36
MW-SF-6	01/14/13	76.8	---	31.53	---	45.27
MW-SF-6	04/08/13	76.8	28.81	30.21	1.4	NC
MW-SF-6	11/14/13	76.8	---	31.9	---	44.9
MW-SF-9	11/19/99	74.1	---	25.57	---	48.53
MW-SF-9	11/05/01	74.1	---	32.11	---	41.99
MW-SF-9	04/08/02	74.1	---	31.62	---	42.48
MW-SF-9	04/07/03	74.1	---	NM	---	NC
MW-SF-9	07/30/03	74.1	---	25.12	---	48.98
MW-SF-9	10/06/03	74.1	---	25.23	---	48.87
MW-SF-9	01/11/04	74.1	26.00	26.02	0.02	NC
MW-SF-9	04/19/04	74.1	26.20	26.23	0.03	NC
MW-SF-9	05/02/05	74.1	---	20.41	---	53.69
MW-SF-9	10/31/05	74.1	---	27.09	---	47.01
MW-SF-9	05/01/06	74.1	---	22.57	---	51.53
MW-SF-9	12/04/06	74.1	---	23.3	---	50.8
MW-SF-9	04/30/07	74.1	---	22.66	---	51.44
MW-SF-9	08/28/07	74.1	---	20.55	---	53.55
MW-SF-9	11/12/07	74.1	---	22.96	---	51.14
MW-SF-9	04/14/08	74.1	---	24.23	---	49.87
MW-SF-9	10/13/08	74.1	---	24.83	---	49.27
MW-SF-9	04/20/09	74.1	---	25.27	---	48.83
MW-SF-9	10/19/09	74.1	---	26.45	---	47.65
MW-SF-9	05/24/10	74.1	---	25.8	---	48.3
MW-SF-9	05/28/10	74.1	---	25.66	---	48.44
MW-SF-9	10/04/10	74.1	---	26.1	---	48
MW-SF-9	01/10/11	74.1	---	27.41	---	46.69
MW-SF-9	04/11/11	74.1	---	24.16	---	49.94
MW-SF-9	07/11/11	74.1	---	NM	---	NC
MW-SF-9	10/10/11	74.1	---	25.02	---	49.08
MW-SF-9	01/09/12	74.1	---	25.98	---	48.12
MW-SF-9	04/16/12	74.1	---	25.92	---	48.18
MW-SF-9	07/09/12	74.1	---	26.44	---	47.66



**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
MW-SF-9	10/15/12	74.1	---	NM	---	NC
MW-SF-9	04/08/13	74.1	---	NM	---	NC
MW-SF-9	06/06/13	74.1	---	28.53	---	45.57
MW-SF-9	10/07/13	74.1	---	28.95	---	45.15
OLD_TF-24	11/20/96	76.36	---	31.18	---	45.18
OLD_TF-24	04/27/07	76.36	---	27.39	---	48.97
PO-7	07/08/11	80.26	---	NM	---	NC
PW-1	05/28/96	75.52	---	29.74	---	45.78
PW-1	11/20/96	75.52	---	29.04	---	46.48
PW-1	07/01/97	75.52	---	30.17	---	45.35
PW-1	12/31/97	75.52	---	28.95	---	46.57
PW-1	05/01/98	75.52	---	27.37	---	48.15
PW-1	05/06/99	75.52	---	27.44	---	48.08
PW-1	08/09/99	75.52	---	27.87	---	47.65
PW-1	11/15/99	75.52	---	27.78	---	47.74
PW-1	05/15/00	75.52	---	27.63	---	47.89
PW-1	11/13/00	75.52	---	28.84	---	46.68
PW-1	05/07/01	75.52	---	27.01	---	48.51
PW-1	11/05/01	75.52	---	26.72	---	48.8
PW-1	04/08/02	75.52	---	27.45	---	48.07
PW-1	10/21/02	75.52	---	27.63	---	47.89
PW-1	04/07/03	75.52	---	27.6	---	47.92
PW-1	10/06/03	75.52	---	27.68	---	47.84
PW-1	01/11/04	75.52	---	28.61	---	46.91
PW-1	04/19/04	75.52	---	28.85	---	46.67
PW-1	05/02/05	75.52	---	25.43	---	50.09
PW-1	10/31/05	75.52	---	NM	---	NC
PW-1	05/01/06	75.52	---	25.03	---	50.49
PW-1	12/04/06	75.52	---	25.83	---	49.69
PW-1	04/30/07	75.52	---	25.8	---	49.72
PW-1	11/12/07	75.52	---	26.03	---	49.49
PW-1	04/14/08	75.52	---	26.41	---	49.11
PW-1	10/13/08	75.52	---	26.85	---	48.67
PW-1	11/21/08	75.52	---	26.8	---	48.72
PW-1	04/20/09	75.52	---	27.27	---	48.25
PW-1	10/19/09	75.52	---	27.74	---	47.78
PW-1	05/24/10	75.52	---	28	---	47.52
PW-1	05/28/10	75.52	---	27.98	---	47.54
PW-1	10/04/10	75.52	---	28.1	---	47.42
PW-1	04/11/11	75.52	---	27.03	---	48.49
PW-1	10/10/11	75.52	---	26.77	---	48.75
PW-1	04/16/12	75.52	---	NM	---	NC
PW-1	07/09/12	75.52	---	NM	---	NC
PW-1	10/15/12	75.52	---	27.76	---	47.76
PW-1	04/08/13	75.52	---	NM	---	NC
PW-1	10/07/13	75.52	---	---	---	---
PW-2	05/28/96	74.65	---	27.83	---	46.82
PW-2	11/20/96	74.65	---	28.82	---	45.83
PW-2	07/01/97	74.65	---	31.2	---	43.45
PW-2	12/31/97	74.65	---	28.52	---	46.13
PW-2	05/01/98	74.65	---	26.34	---	48.31
PW-2	02/02/99	74.65	---	25.39	---	49.26
PW-2	05/06/99	74.65	---	26.42	---	48.23
PW-2	08/09/99	74.65	---	26.92	---	47.73
PW-2	11/15/99	74.65	---	28.05	---	46.6
PW-2	02/29/00	74.65	---	26.82	---	47.83
PW-2	05/15/00	74.65	---	27.12	---	47.53
PW-2	08/28/00	74.65	---	28.1	---	46.55

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
PW-2	11/13/00	74.65	---	28.36	---	46.29
PW-2	02/05/01	74.65	---	26.84	---	47.81
PW-2	05/07/01	74.65	---	26.22	---	48.43
PW-2	09/18/01	74.65	---	25.85	---	48.8
PW-2	11/05/01	74.65	---	26	---	48.65
PW-2	01/29/02	74.65	---	26.09	---	48.56
PW-2	04/08/02	74.65	---	26.69	---	47.96
PW-2	10/21/02	74.65	---	26.95	---	47.7
PW-2	01/14/03	74.65	---	26.86	---	47.79
PW-2	04/07/03	74.65	---	28.96	---	45.69
PW-2	07/07/03	74.71	---	27.51	---	47.2
PW-2	10/06/03	74.65	---	27	---	47.65
PW-2	01/11/04	74.71	---	28.02	---	46.69
PW-2	01/20/04	74.71	---	29.28	---	45.43
PW-2	04/19/04	74.71	---	26.21	---	48.5
PW-2	04/27/04	74.71	---	27.69	---	47.02
PW-2	06/07/04	74.71	---	28.13	---	46.58
PW-2	07/08/04	74.71	---	29.35	---	45.36
PW-2	05/02/05	74.71	---	24.56	---	50.15
PW-2	10/31/05	74.71	---	23.8	---	50.91
PW-2	05/01/06	74.71	---	24.28	---	50.43
PW-2	12/04/06	74.71	---	25.05	---	49.66
PW-2	04/30/07	74.71	---	25.02	---	49.69
PW-2	11/12/07	74.71	---	25.41	---	49.3
PW-2	04/14/08	74.71	---	25.75	---	48.96
PW-2	10/13/08	74.71	---	25.15	---	49.56
PW-2	04/20/09	74.71	---	NM	---	NC
PW-2	10/19/09	74.71	---	NM	---	NC
PW-2	05/24/10	74.71	---	NM	---	NC
PW-2	05/28/10	74.71	---	NM	---	NC
PW-2	10/04/10	74.71	---	NM	---	NC
PW-2	04/11/11	74.71	---	NM	---	NC
PW-2	10/10/11	74.71	---	NM	---	NC
PW-2	04/16/12	74.71	---	NM	---	NC
PW-2	07/09/12	74.71	---	NM	---	NC
PW-2	10/15/12	74.71	---	NM	---	NC
PW-2	04/08/13	74.71	---	NM	---	NC
PW-2	10/07/13	74.71	---	---	---	---
PW-3	05/28/96	73.64	---	26.73	---	46.91
PW-3	11/20/96	73.64	---	27.11	---	46.53
PW-3	07/01/97	73.64	---	28.84	---	44.8
PW-3	12/31/97	73.64	---	27.29	---	46.35
PW-3	05/01/98	73.64	---	25.1	---	48.54
PW-3	02/03/99	73.64	---	24.23	---	49.41
PW-3	05/04/99	73.64	---	25.05	---	48.59
PW-3	08/10/99	73.64	---	25.35	---	48.29
PW-3	11/15/99	73.64	---	NM	---	NC
PW-3	05/15/00	73.64	---	NM	---	NC
PW-3	08/28/00	73.64	---	NM	---	NC
PW-3	11/13/00	73.64	---	26.46	---	47.18
PW-3	02/05/01	73.64	---	25.6	---	48.04
PW-3	05/07/01	73.64	---	24.96	---	48.68
PW-3	09/18/01	73.64	---	24.72	---	48.92
PW-3	11/05/01	73.64	---	24.8	---	48.84
PW-3	01/29/02	73.64	---	24.91	---	48.73
PW-3	04/08/02	73.64	---	25.3	---	48.34
PW-3	10/21/02	73.64	---	25.76	---	47.88
PW-3	01/14/03	73.64	---	25.72	---	47.92

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**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
PW-3	04/07/03	73.64	---	26.17	---	47.47
PW-3	07/07/03	73.71	---	25.81	---	47.9
PW-3	10/06/03	73.64	---	25.63	---	48.01
PW-3	01/11/04	73.71	---	26.03	---	47.68
PW-3	01/20/04	73.71	---	26.36	---	47.35
PW-3	04/19/04	73.71	---	26.63	---	47.08
PW-3	04/27/04	73.71	---	26.34	---	47.37
PW-3	06/07/04	73.71	---	26.63	---	47.08
PW-3	07/08/04	73.71	---	26.81	---	46.9
PW-3	05/02/05	73.71	---	23.48	---	50.23
PW-3	10/31/05	73.71	---	23.61	---	50.1
PW-3	05/01/06	73.71	---	23.22	---	50.49
PW-3	12/04/06	73.71	---	23.95	---	49.76
PW-3	04/30/07	73.71	---	23.99	---	49.72
PW-3	11/12/07	73.71	---	24.33	---	49.38
PW-3	04/14/08	73.71	---	24.75	---	48.96
PW-3	10/13/08	73.71	---	26.2	---	47.51
PW-3	04/20/09	73.71	---	25.4	---	48.31
PW-3	10/19/09	73.71	---	26.03	---	47.68
PW-3	05/24/10	73.71	---	26.45	---	47.26
PW-3	05/28/10	73.71	---	26.41	---	47.3
PW-3	10/04/10	73.71	---	26.61	---	47.1
PW-3	04/11/11	73.71	---	25.6	---	48.11
PW-3	10/10/11	73.71	---	25.57	---	48.14
PW-3	04/16/12	73.71	---	26.55	---	47.16
PW-3	07/09/12	73.71	---	NM	---	NC
PW-3	10/15/12	73.71	---	NM	---	NC
PW-3	04/08/13	73.71	---	27.79	---	45.92
PW-3	10/07/13	73.71	---	28.57	---	45.14
PZ-1	11/20/96	73.74	---	26.91	---	46.83
PZ-1	07/01/97	73.74	---	27.61	---	46.13
PZ-1	12/31/97	73.74	---	27.03	---	46.71
PZ-1	05/01/98	73.74	---	24.13	---	49.61
PZ-1	05/04/99	73.74	---	25.74	---	48
PZ-1	08/09/99	73.74	---	25.77	---	47.97
PZ-1	11/15/99	73.74	---	26.46	---	47.28
PZ-1	05/15/00	73.74	---	26.09	---	47.65
PZ-1	11/13/00	73.74	---	26.51	---	47.23
PZ-1	05/07/01	73.74	---	24.78	---	48.96
PZ-1	11/05/01	73.74	---	24.81	---	48.93
PZ-1	04/08/02	73.74	---	25.5	---	48.24
PZ-10	07/30/03	74.19	---	25.74	---	48.45
PZ-10	10/06/03	74.19	---	25.79	---	48.4
PZ-10	01/27/04	74.19	---	26.13	---	48.06
PZ-10	04/19/04	74.34	---	26.76	---	47.58
PZ-10	07/19/04	74.34	---	26.4	---	47.94
PZ-10	11/01/04	74.34	---	27.11	---	47.23
PZ-10	02/01/05	74.34	---	23.33	---	51.01
PZ-10	05/02/05	74.34	---	21.8	---	52.54
PZ-10	08/01/05	74.34	---	22.21	---	52.13
PZ-10	10/31/05	74.34	---	27.13	---	47.21
PZ-10	02/27/06	74.34	---	23.18	---	51.16
PZ-10	05/01/06	74.34	---	23.18	---	51.16
PZ-10	09/18/06	74.34	---	24.37	---	49.97
PZ-10	12/04/06	74.34	---	24.1	---	50.24
PZ-10	03/12/07	74.34	---	24.44	---	49.9
PZ-10	04/30/07	73.92	---	23.38	---	50.54
PZ-10	08/28/07	74.34	---	22.67	---	51.67

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**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
PZ-10	11/12/07	74.34	---	23.61	---	50.73
PZ-10	02/19/08	74.34	---	25.16	---	49.18
PZ-10	04/14/08	74.34	---	24.75	---	49.59
PZ-10	10/13/08	74.34	---	25.61	---	48.73
PZ-10	04/20/09	74.34	---	25.71	---	48.63
PZ-10	07/20/09	74.34	---	26.6	---	47.74
PZ-10	10/19/09	74.34	---	26.96	---	47.38
PZ-10	05/24/10	74.34	---	26.51	---	47.83
PZ-10	05/28/10	74.34	---	26.46	---	47.88
PZ-10	10/04/10	74.34	---	26.66	---	46.68
PZ-10	04/11/11	74.34	---	25.57	---	48.77
PZ-10	10/10/11	74.34	---	NM	---	NC
PZ-10	04/16/12	74.34	---	28	---	46.34
PZ-10	07/09/12	74.34	---	NM	---	NC
PZ-10	10/15/12	74.34	---	29.81	---	44.53
PZ-10	04/08/13	74.34	---	28.94	---	45.4
PZ-2	05/28/96	73.96	---	NM	0.96	NC
PZ-2	05/28/96	73.96	---	28.26	---	45.7
PZ-2	11/20/96	73.96	---	27.49	---	46.47
PZ-2	11/20/96	73.96	---	NM	0.46	NC
PZ-2	07/01/97	73.96	27.56	28.92	1.36	NC
PZ-2	12/31/97	73.96	28.87	29.45	0.58	NC
PZ-2	05/01/98	73.96	23.83	25.4	1.57	NC
PZ-2	05/04/99	73.96	25.38	27.2	1.82	NC
PZ-2	08/09/99	73.96	25.71	27.58	1.87	NC
PZ-2	11/15/99	73.96	---	26.83	---	47.13
PZ-2	05/15/00	73.96	---	26.17	---	47.79
PZ-2	11/13/00	73.96	26.58	26.88	0.3	NC
PZ-2	05/07/01	73.96	24.99	25.21	0.27	NC
PZ-2	11/05/01	73.96	24.87	25.09	0.22	NC
PZ-2	04/08/02	73.96	24.96	24.96	0	NC
PZ-2	10/21/02	73.96	26.31	26.44	0.13	NC
PZ-2	04/07/03	73.96	26.12	26.22	0.1	NC
PZ-2	10/06/03	73.96	25.51	25.53	0.02	NC
PZ-2	04/19/04	73.96	26.81	26.89	0.08	NC
PZ-2	11/02/04	73.96	27.19	27.24	0.05	NC
PZ-2	05/02/05	73.96	---	22.18	---	51.78
PZ-2	10/31/05	73.96	---	24.11	---	49.85
PZ-2	05/22/06	73.96	---	23.16	---	50.8
PZ-2	12/04/06	73.96	---	23.85	---	50.11
PZ-2	04/30/07	73.96	---	23.97	---	49.99
PZ-2	11/12/07	73.96	---	24.3	---	49.66
PZ-2	04/14/08	73.96	---	24.69	---	49.27
PZ-2	10/13/08	73.96	---	25.35	---	48.61
PZ-2	05/22/09	73.96	---	25.55	---	48.41
PZ-2	10/19/09	73.96	---	NM	---	NC
PZ-2	05/24/10	73.96	---	26.3	---	47.66
PZ-2	05/28/10	73.96	---	26.3	---	47.66
PZ-2	10/04/10	73.96	---	26.36	---	47.6
PZ-2	01/10/11	73.96	---	27.57	---	46.39
PZ-2	04/11/11	73.96	---	25.32	---	48.64
PZ-2	07/11/11	73.96	---	NM	---	NC
PZ-2	10/10/11	73.96	---	25.67	---	48.29
PZ-2	01/09/12	73.96	---	27.21	---	46.75
PZ-2	04/27/12	73.96	---	27.83	---	46.13
PZ-2	07/09/12	73.96	---	28.16	---	45.8
PZ-2	10/15/12	73.96	---	27.76	---	46.2
PZ-2	01/14/13	73.96	---	NM	---	NC

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**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
PZ-2	04/08/13	73.96	---	28.68	---	45.28
PZ-2	10/07/13	73.96	---	29.28	---	44.68
PZ-3	05/28/96	76.17	27.83	32.71	4.88	NC
PZ-3	11/20/96	76.17	28.79	32.8	4.01	NC
PZ-3	07/01/97	76.17	28.75	30.69	1.94	NC
PZ-3	12/31/97	76.17	28.60	32.86	4.26	NC
PZ-3	05/01/98	76.17	18.34	25.21	6.87	NC
PZ-3	05/25/99	76.17	---	31.7	---	44.47
PZ-3	05/19/00	76.17	27.48	31.54	4.16	NC
PZ-3	11/13/00	76.17	27.01	30.05	3.04	NC
PZ-3	05/07/01	76.17	25.99	30.3	4.31	NC
PZ-3	04/08/02	76.17	---	31	---	45.17
PZ-3	09/19/02	76.17	28.84	29.94	1.1	NC
PZ-3	10/21/02	76.17	28.10	29.66	1.56	NC
PZ-3	04/07/03	76.17	27.81	28.8	0.99	NC
PZ-3	10/06/03	76.17	27.65	28.9	1.25	NC
PZ-3	04/19/04	76.17	29.08	29.68	0.6	NC
PZ-3	11/01/04	76.17	28.32	29.63	1.31	NC
PZ-3	02/28/05	76.17	24.32	26.89	2.57	NC
PZ-3	03/06/06	76.17	24.97	25.12	0.15	NC
PZ-3	05/01/06	76.17	25.39	25.96	0.57	NC
PZ-3	08/26/06	76.17	25.76	26.26	0.5	NC
PZ-3	12/01/06	76.17	26.11	26.77	0.66	NC
PZ-3	03/21/07	76.17	26.05	26.16	0.11	NC
PZ-3	04/30/07	76.17	26.66	26.68	0.02	NC
PZ-3	11/12/07	76.17	---	NM	---	NC
PZ-3	02/05/08	76.17	---	27.84	---	48.33
PZ-3	07/24/08	76.17	---	27.33	---	48.84
PZ-3	10/14/08	76.17	---	28.07	---	48.1
PZ-3	02/10/09	76.17	---	27.31	---	48.86
PZ-3	04/20/09	76.17	---	27.94	---	48.23
PZ-3	07/16/09	76.17	---	28.97	---	47.2
PZ-3	04/08/10	76.17	---	28.4	---	47.77
PZ-3	04/12/10	76.17	---	28.14	---	48.03
PZ-3	01/08/11	76.17	---	28.85	---	47.32
PZ-3	04/08/11	76.17	---	27.63	---	48.54
PZ-3	07/08/11	76.17	---	27.85	---	48.32
PZ-3	10/07/11	76.17	---	28.46	---	47.71
PZ-3	04/12/12	76.17	---	29.48	---	46.69
PZ-3	04/19/12	76.17	---	29.3	---	46.87
PZ-3	01/11/13	76.17	30.20	33.08	2.88	NC
PZ-3	04/03/13	76.17	30.63	30.86	0.23	NC
PZ-3	04/08/13	76.17	30.56	30.99	0.43	NC
PZ-3	10/02/13	76.17	---	31.45	---	44.72
PZ-4	05/28/96	76.13	---	28.79	---	47.34
PZ-4	11/20/96	76.13	---	29.8	---	46.33
PZ-4	07/01/97	76.13	---	29.66	---	46.47
PZ-4	12/31/97	76.13	---	29.63	---	46.5
PZ-4	05/01/98	76.13	---	26.82	---	49.31
PZ-4	05/25/99	76.13	---	27.57	---	48.56
PZ-4	05/15/00	76.13	---	28.28	---	47.85
PZ-4	11/13/00	76.13	---	27.89	---	48.24
PZ-4	05/07/01	76.13	---	25.08	---	51.05
PZ-4	05/07/01	76.13	---	26.97	---	49.16
PZ-4	04/08/02	76.13	---	28.16	---	47.97
PZ-4	09/19/02	76.13	---	29.2	---	46.93
PZ-4	04/07/03	76.13	---	28.08	---	48.05
PZ-4	10/06/03	76.13	---	28.03	---	48.1

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
PZ-4	04/19/04	76.13	---	29.5	---	46.63
PZ-4	11/01/04	76.13	---	28.8	---	47.33
PZ-4	02/28/05	76.13	---	25.13	---	51
PZ-4	05/02/05	76.13	---	24.5	---	51.63
PZ-4	03/06/06	76.13	---	25.25	---	50.88
PZ-4	05/01/06	76.13	---	25.63	---	NC
PZ-4	08/26/06	76.13	---	26.05	---	50.08
PZ-4	12/01/06	76.13	---	26.38	---	49.75
PZ-4	03/21/07	76.13	---	26.12	---	50.01
PZ-4	04/30/07	76.13	---	26.93	---	49.2
PZ-4	08/28/07	76.13	---	26.54	---	49.59
PZ-4	11/12/07	76.13	---	27.5	---	48.63
PZ-4	02/05/08	76.13	---	27.42	---	48.71
PZ-4	04/11/08	76.13	---	24.85	---	51.28
PZ-4	10/14/08	76.13	---	28.31	---	47.82
PZ-4	02/10/09	76.13	---	27.05	---	49.08
PZ-4	04/20/09	76.13	---	28.44	---	47.69
PZ-4	07/16/09	76.13	---	29.05	---	47.08
PZ-4	04/08/10	76.13	---	28.41	---	47.72
PZ-4	10/01/10	76.13	---	28.93	---	47.2
PZ-4	01/08/11	76.13	---	28.98	---	47.15
PZ-4	04/12/12	76.13	---	29.61	---	46.52
PZ-5	05/07/01	73.97	---	23.13	---	NC
PZ-5	10/06/03	73.97	---	24.58	---	49.39
PZ-5	05/02/05	73.97	---	19.12	---	54.85
PZ-5	10/31/05	73.97	---	21.13	---	52.84
PZ-5	02/27/06	73.97	---	22.06	---	51.91
PZ-5	05/01/06	73.97	---	22.2	---	51.77
PZ-5	09/18/06	73.97	---	22.91	---	51.06
PZ-5	12/04/06	73.97	---	23.26	---	50.71
PZ-5	03/12/07	73.97	---	23.71	---	50.26
PZ-5	04/30/07	73.97	---	23.85	---	50.12
PZ-5	08/28/07	73.97	---	23.85	---	50.12
PZ-5	11/12/07	73.97	---	24.26	---	49.71
PZ-5	02/19/08	73.97	---	24.68	---	49.29
PZ-5	04/14/08	73.97	---	24.1	---	49.87
PZ-5	08/11/08	73.97	---	24.53	---	49.44
PZ-5	10/13/08	73.97	---	25.12	---	48.85
PZ-5	04/20/09	73.97	---	24.81	---	49.16
PZ-5	07/20/09	73.97	---	25.2	---	48.77
PZ-5	10/19/09	73.97	---	26.41	---	47.56
PZ-5	03/15/10	73.97	---	25.99	---	47.98
PZ-5	04/16/10	73.97	---	25.12	---	48.85
PZ-5	05/24/10	73.97	---	25.71	---	48.26
PZ-5	05/28/10	73.97	---	25.68	---	48.29
PZ-5	06/22/10	73.97	---	25.54	---	48.43
PZ-5	07/12/10	73.97	---	26.09	---	47.88
PZ-5	08/12/10	73.97	---	26.16	---	47.81
PZ-5	09/20/10	73.97	---	26.52	---	47.45
PZ-5	10/04/10	73.97	---	25.98	---	47.99
PZ-5	11/16/10	73.97	---	26.46	---	47.51
PZ-5	12/22/10	73.97	---	25.12	---	48.85
PZ-5	01/10/11	73.97	---	26.54	---	47.43
PZ-5	02/24/11	73.97	---	25.55	---	48.42
PZ-5	03/23/11	73.97	---	25.28	---	48.69
PZ-5	04/11/11	73.97	---	24.7	---	49.27
PZ-5	05/13/11	73.97	---	25.21	---	48.76
PZ-5	06/22/11	73.97	---	25.37	---	48.6

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
PZ-5	07/11/11	73.97	---	25.47	---	48.5
PZ-5	08/19/11	73.97	---	25.35	---	48.62
PZ-5	09/22/11	73.97	---	25.96	---	48.01
PZ-5	10/10/11	73.97	---	25.55	---	48.42
PZ-5	11/28/11	73.97	---	26.16	---	47.81
PZ-5	12/21/11	73.97	---	26.48	---	47.49
PZ-5	01/09/12	73.97	---	26.47	---	47.5
PZ-5	02/23/12	73.97	---	27.27	---	46.7
PZ-5	03/28/12	73.97	---	27.1	---	46.87
PZ-5	04/16/12	73.97	---	26.59	---	47.38
PZ-5	05/25/12	73.97	---	26.94	---	47.03
PZ-5	06/15/12	73.97	---	27.44	---	46.53
PZ-5	07/09/12	73.97	---	27.26	---	46.71
PZ-5	08/29/12	73.97	---	27.72	---	46.25
PZ-5	09/26/12	73.97	---	28.03	---	45.94
PZ-5	10/15/12	73.97	---	28.25	---	45.72
PZ-5	11/29/12	73.97	---	28.34	---	45.63
PZ-5	12/26/12	73.97	---	28.3	---	45.67
PZ-5	01/14/13	73.97	---	28.42	---	45.55
PZ-5	02/20/13	73.97	---	28.4	---	45.57
PZ-5	04/08/13	73.97	---	28.41	---	45.56
PZ-5	10/07/13	73.97	---	29.31	---	44.66
PZ-6	07/07/03	73.91	---	25.65	---	48.26
PZ-6	01/20/04	73.91	---	25.94	---	47.97
PZ-6	04/27/04	73.91	---	26.49	---	47.42
PZ-6	06/07/04	73.91	---	26.56	---	47.35
PZ-6	07/08/04	73.91	---	26.57	---	47.34
PZ-6	10/04/10	73.91	---	NM	---	NM
PZ-6	04/11/11	73.91	---	NM	---	NM
PZ-6	10/10/11	73.91	---	NM	---	NC
PZ-6	04/16/12	73.91	---	NM	---	NC
PZ-6	07/09/12	73.91	---	NM	---	NC
PZ-6	10/15/12	73.91	---	NM	---	NC
PZ-6	04/08/13	73.91	---	NM	---	NC
PZ-7A	08/01/05	73.87	---	20.22	---	53.65
PZ-7A	05/24/10	73.87	---	25.3	---	48.57
PZ-7A	05/28/10	73.87	---	25.29	---	48.58
PZ-7A	10/04/10	73.87	---	25.7	---	48.17
PZ-7A	04/11/11	73.87	---	24.48	---	49.39
PZ-7A	10/10/11	73.87	---	25.15	---	48.72
PZ-7A	10/15/12	---	---	27.24	---	NC
PZ-7B	08/01/05	73.79	---	20.8	---	52.99
PZ-7B	05/24/10	73.79	---	25.32	---	48.47
PZ-7B	05/28/10	73.79	---	25.3	---	48.49
PZ-7B	10/04/10	73.79	---	25.88	---	47.91
PZ-7B	04/11/11	73.79	---	24.57	---	49.22
PZ-7B	10/10/11	73.79	---	25.3	---	48.49
PZ-7B	10/15/12	---	---	27.22	---	NC
PZ-8A	08/01/05	75.81	---	22.39	---	53.42
PZ-8A	12/04/06	75.81	---	25.14	---	50.67
PZ-8A	05/24/10	75.81	---	27.6	---	48.21
PZ-8A	05/28/10	75.81	---	27.38	---	48.43
PZ-8A	10/04/10	75.81	---	27.79	---	48.02
PZ-8A	04/11/11	75.81	---	26.5	---	49.31
PZ-8A	10/10/11	75.81	---	27.28	---	48.53
PZ-8A	10/15/12	---	---	30.01	---	NC
PZ-8B	08/01/05	75.69	---	23.61	---	52.08
PZ-8B	12/04/06	75.69	---	25.16	---	50.53

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
PZ-8B	05/24/10	75.69	---	27.37	---	48.32
PZ-8B	05/28/10	75.69	---	27.66	---	48.03
PZ-8B	10/04/10	75.69	---	27.9	---	47.79
PZ-8B	04/11/11	75.69	---	26.52	---	49.17
PZ-8B	10/10/11	75.69	---	27.32	---	48.37
PZ-8B	10/15/12	---	---	30.71	---	NC
PZ-9A	08/01/05	76.14	---	22.93	---	53.21
PZ-9A	10/04/10	76.14	---	28.2	---	47.94
PZ-9A	04/11/11	76.14	---	26.94	---	49.2
PZ-9A	10/10/11	76.14	---	27.75	---	48.39
PZ-9A	04/16/12	76.14	---	28.95	---	47.19
PZ-9A	07/09/12	76.14	---	NM	---	NC
PZ-9A	10/15/12	76.14	---	30.18	---	45.96
PZ-9A	04/08/13	76.14	---	30.67	---	45.47
PZ-9B	08/01/05	76.26	---	23.71	---	52.55
PZ-9B	10/04/10	76.26	---	28.51	---	47.75
PZ-9B	04/11/11	76.26	---	27.2	---	49.06
PZ-9B	10/10/11	76.26	---	28	---	48.26
PZ-9B	04/16/12	76.26	---	29.1	---	47.16
PZ-9B	07/09/12	76.26	---	NM	---	NC
PZ-9B	10/15/12	76.26	---	30.54	---	45.72
PZ-9B	04/08/13	76.26	---	30.89	---	45.37
TF-10	11/20/96	74.19	---	28.03	---	46.16
TF-10	07/01/97	74.19	---	30.6	---	43.59
TF-10	12/31/97	74.19	---	27.97	---	46.22
TF-10	05/01/98	74.19	---	25.4	---	48.79
TF-10	05/25/99	74.19	---	26.79	---	47.4
TF-10	05/15/00	74.19	---	26.05	---	NC
TF-10	05/07/01	74.19	---	NM	---	NC
TF-10	04/08/02	73.61	---	26.16	---	47.45
TF-10	09/19/02	74.19	---	27.28	---	46.91
TF-10	10/21/02	73.61	---	26.5	---	47.11
TF-10	04/22/03	73.61	---	25.95	---	47.66
TF-10	10/06/03	73.61	---	25.6	---	48.01
TF-10	04/19/04	73.61	---	26.82	---	46.79
TF-10	11/01/04	73.61	---	27.32	---	46.29
TF-10	02/28/05	73.61	---	23.82	---	49.79
TF-10	05/02/05	73.61	---	22.32	---	51.29
TF-10	03/06/06	73.61	---	22.89	---	50.72
TF-10	05/01/06	73.61	---	23	---	50.61
TF-10	08/26/06	73.61	---	24.2	---	49.41
TF-10	12/01/06	73.61	---	24.52	---	49.09
TF-10	03/21/07	73.61	---	24	---	49.61
TF-10	04/30/07	73.61	---	24.15	---	49.46
TF-10	08/28/07	74.19	---	24.21	---	49.98
TF-10	11/12/07	73.61	---	25.66	---	47.95
TF-10	02/05/08	74.19	---	25.11	---	49.08
TF-10	04/11/08	73.61	---	25.24	---	48.37
TF-10	07/24/08	73.61	---	24.91	---	48.7
TF-10	10/14/08	73.61	---	25.48	---	48.13
TF-10	02/10/09	74.19	---	25.94	---	48.25
TF-10	07/16/09	73.61	---	27.02	---	46.59
TF-10	04/08/10	73.61	---	25.75	---	47.86
TF-10	10/01/10	73.61	---	26.93	---	46.68
TF-10	01/07/11	73.61	---	26.64	---	46.97
TF-10	04/08/11	73.61	---	24.92	---	48.69
TF-10	07/08/11	73.61	---	25.15	---	48.46
TF-10	10/06/11	73.61	---	25.54	---	48.07



**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
TF-10	04/12/12	73.61	---	26.72	---	46.89
TF-10	01/11/13	73.61	---	28.42	---	45.19
TF-10	04/03/13	73.61	---	28.19	---	45.42
TF-11	11/20/96	74.95	---	32.55	---	42.4
TF-11	07/01/97	74.95	32.60	32.75	0.15	NC
TF-11	12/31/97	74.95	---	28.52	---	46.43
TF-11	05/01/98	74.95	---	25.99	---	48.96
TF-11	05/25/99	74.95	26.60	26.62	0.02	NC
TF-11	05/15/00	74.95	---	26.63	---	48.32
TF-11	05/07/01	74.95	---	28.5	---	46.45
TF-11	04/08/02	74.4	---	25.64	---	48.76
TF-11	09/19/02	74.95	28.15	28.33	0.18	NC
TF-11	10/21/02	74.95	---	27.02	---	47.93
TF-11	04/22/03	74.4	---	31.15	---	43.25
TF-11	10/06/03	74.4	---	27.12	---	47.28
TF-11	04/19/04	74.95	---	28.56	---	46.39
TF-11	11/01/04	74.95	---	27.86	---	47.09
TF-11	02/28/05	74.95	---	23.82	---	51.13
TF-11	05/02/05	74.95	---	22.9	---	52.05
TF-11	03/06/06	74.95	---	24.31	---	50.64
TF-11	05/01/06	74.95	---	24.35	---	50.6
TF-11	08/26/06	74.95	---	24.79	---	50.16
TF-11	12/01/06	74.95	---	25.17	---	49.78
TF-11	03/21/07	74.95	---	25.26	---	49.69
TF-11	04/30/07	74.4	---	25.62	---	48.78
TF-11	08/28/07	74.95	---	26.06	---	48.89
TF-11	11/12/07	74.95	---	26.26	---	48.69
TF-11	02/05/08	74.95	---	27.15	---	47.8
TF-11	04/11/08	74.4	---	25.87	---	48.53
TF-11	07/24/08	74.4	---	26.05	---	48.35
TF-11	10/14/08	74.4	---	26.85	---	47.55
TF-11	02/10/09	74.95	---	26.9	---	48.05
TF-11	07/16/09	74.95	---	27.7	---	47.25
TF-11	04/08/10	74.95	---	27.11	---	47.84
TF-11	10/01/10	74.4	---	27.62	---	46.78
TF-11	01/08/11	74.4	---	27.17	---	47.23
TF-11	04/08/11	74.4	---	24.98	---	49.42
TF-11	07/08/11	74.4	---	25.4	---	49
TF-11	10/06/11	74.4	---	26.07	---	48.33
TF-11	04/12/12	74.4	---	27.51	---	46.89
TF-11	01/11/13	74.4	---	29.45	---	44.95
TF-11	04/03/13	74.4	---	29.35	---	45.05
TF-13	11/20/96	75.9	---	30.9	---	45
TF-13	07/01/97	75.9	30.90	30.95	0.05	NC
TF-13	12/31/97	75.9	28.05	30.97	2.92	NC
TF-13	05/01/98	75.9	30.65	31.1	0.45	NC
TF-13	05/25/99	75.9	27.12	27.4	0.28	NC
TF-13	05/15/00	75.9	31.25	31.65	0.4	NC
TF-13	05/07/01	75.9	---	31.2	---	44.7
TF-13	04/08/02	75.47	---	28.1	---	47.37
TF-13	09/19/02	75.9	---	28.76	---	47.14
TF-13	10/21/02	75.9	---	31.1	---	44.8
TF-13	04/22/03	75.47	---	31.05	---	44.42
TF-13	10/06/03	75.47	---	27.65	---	47.82
TF-13	04/19/04	75.9	---	29.03	---	46.87
TF-13	11/01/04	75.9	---	28.05	---	47.85
TF-13	02/28/05	75.9	---	24.22	---	51.68
TF-13	05/02/05	75.9	---	22.24	---	53.66

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**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
TF-13	03/06/06	75.9	---	25.37	---	50.53
TF-13	05/01/06	75.9	---	25.22	---	50.68
TF-13	08/26/06	75.9	---	25.63	---	50.27
TF-13	12/01/06	75.9	---	25.96	---	49.94
TF-13	03/21/07	75.9	---	26.52	---	49.38
TF-13	04/30/07	75.9	---	26.52	---	49.38
TF-13	08/28/07	75.9	---	26.69	---	49.21
TF-13	11/12/07	75.47	---	27.11	---	48.36
TF-13	02/05/08	75.9	---	27.32	---	48.58
TF-13	04/14/08	75.9	---	26.73	---	49.17
TF-13	07/24/08	75.47	---	27.02	---	48.45
TF-13	10/14/08	75.9	---	27.81	---	48.09
TF-13	02/10/09	75.9	---	26.14	---	49.76
TF-13	07/17/09	75.9	---	27.81	---	48.09
TF-13	04/08/10	75.9	---	28.14	---	47.76
TF-13	10/01/10	75.47	---	28.63	---	46.84
TF-13	01/08/11	75.47	---	28.21	---	47.26
TF-13	04/07/11	75.47	---	26.85	---	48.62
TF-13	04/07/11	75.47	---	26.85	---	48.62
TF-13	07/08/11	75.47	---	27.13	---	48.34
TF-13	10/07/11	75.47	---	27.63	---	47.84
TF-13	04/12/12	75.47	---	NM	---	NC
TF-13	01/10/13	75.47	---	30.15	---	45.32
TF-13	04/03/13	75.47	---	30	---	45.47
TF-14	11/20/96	74.78	30.45	31.11	0.66	NC
TF-14	07/01/97	74.78	30.60	31.1	0.5	NC
TF-14	12/31/97	74.78	27.03	31.85	4.82	NC
TF-14	05/01/98	74.78	29.95	30.75	0.8	NC
TF-14	05/25/99	74.78	25.60	28.86	3.26	NC
TF-14	05/15/00	74.78	26.65	27.95	1.3	NC
TF-14	05/07/01	74.78	---	26.3	---	48.48
TF-14	04/08/02	74.35	28.40	28.48	0.08	NC
TF-14	09/19/02	74.78	---	27.68	---	47.1
TF-14	10/21/02	74.78	---	28.42	---	46.36
TF-14	04/22/03	74.35	---	26.61	---	47.74
TF-14	10/06/03	74.35	---	26.52	---	47.83
TF-14	04/19/04	74.35	---	27.94	---	46.41
TF-14	11/01/04	74.35	---	27.24	---	47.11
TF-14	02/28/05	74.35	---	23.62	---	50.73
TF-14	05/02/05	74.35	---	22.51	---	51.84
TF-14	03/06/06	74.78	---	24.06	---	50.72
TF-14	05/01/06	74.78	---	24.13	---	50.65
TF-14	08/26/06	74.78	---	24.54	---	50.24
TF-14	12/01/06	74.78	---	24.82	---	49.96
TF-14	03/21/07	74.78	---	25.24	---	49.54
TF-14	04/30/07	74.78	---	25.37	---	49.41
TF-14	08/28/07	74.78	---	25.89	---	48.89
TF-14	11/12/07	74.35	---	25.91	---	48.44
TF-14	02/05/08	74.78	---	26.95	---	47.83
TF-14	04/14/08	74.78	---	26.55	---	48.23
TF-14	07/24/08	74.35	---	26.05	---	48.3
TF-14	10/14/08	74.78	---	26.63	---	48.15
TF-14	02/10/09	74.78	---	26.91	---	47.87
TF-14	07/17/09	74.78	---	26.91	---	47.87
TF-14	04/08/10	74.78	---	26.92	---	47.86
TF-14	10/01/10	74.35	---	27.42	---	46.93
TF-14	04/08/11	74.35	---	25.65	---	48.7
TF-14	07/08/11	74.35	---	25.93	---	48.42
TF-14	10/06/11	74.35	---	26.41	---	47.94

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
TF-14	04/12/12	74.35	---	27.49	---	46.86
TF-14	01/10/13	74.35	---	29.25	---	45.1
TF-14	04/03/13	74.35	---	28.76	---	45.59
TF-15	11/20/96	75.4	31.09	31.42	0.33	NC
TF-15	07/01/97	75.4	31.40	31.65	0.25	NC
TF-15	12/31/97	75.4	27.79	31.56	3.77	NC
TF-15	05/01/98	75.4	28.35	30.05	1.7	NC
TF-15	05/25/99	75.4	26.41	26.94	0.53	NC
TF-15	05/15/00	75.4	28.90	29.54	0.64	NC
TF-15	05/07/01	75.4	28.90	29.3	0.4	NC
TF-15	04/08/02	74.78	---	27.56	---	47.22
TF-15	09/19/02	75.4	---	28.21	---	47.19
TF-15	10/21/02	75.4	29.00	29.24	0.24	NC
TF-15	04/22/03	74.78	---	27.45	---	47.33
TF-15	10/06/03	74.78	---	27.03	---	47.75
TF-15	04/19/04	74.78	---	28.17	---	46.61
TF-15	11/01/04	74.78	27.77	27.79	0.02	NC
TF-15	02/28/05	74.78	---	23.05	---	51.73
TF-15	05/02/05	74.78	---	21.67	---	53.11
TF-15	03/06/06	75.4	---	23.91	---	51.49
TF-15	05/01/06	75.4	---	23.9	---	51.5
TF-15	08/26/06	75.4	---	24.49	---	50.91
TF-15	12/01/06	75.4	---	25.31	---	50.09
TF-15	03/21/07	75.4	---	25.18	---	50.22
TF-15	04/30/07	75.4	---	25.88	---	49.52
TF-15	08/28/07	75.4	---	25.62	---	49.78
TF-15	11/12/07	74.78	---	26.39	---	48.39
TF-15	02/05/08	75.4	---	26.42	---	48.98
TF-15	04/14/08	75.4	---	25.72	---	49.68
TF-15	07/24/08	74.78	---	26.72	---	48.06
TF-15	10/14/08	75.4	---	27.29	---	48.11
TF-15	02/10/09	75.4	---	27.78	---	47.62
TF-15	07/17/09	75.4	---	26.82	---	48.58
TF-15	04/08/10	75.4	---	27.43	---	47.97
TF-15	10/01/10	74.78	---	28.03	---	46.75
TF-15	01/08/11	74.78	---	27.55	---	47.23
TF-15	04/08/11	74.78	---	25.96	---	48.82
TF-15	07/08/11	74.78	---	26.33	---	48.45
TF-15	10/06/11	74.78	---	26.81	---	47.97
TF-15	04/12/12	74.78	---	27.94	---	46.84
TF-15	01/11/13	74.78	29.50	29.63	0.13	NC
TF-15	04/03/13	74.78	---	29.22	---	45.56
TF-15	10/02/13	74.78	29.97	30.04	0.07	44.7988
TF-16	11/20/96	76.48	32.52	32.75	0.23	NC
TF-16	07/01/97	76.48	32.50	33.1	0.6	NC
TF-16	12/31/97	76.48	28.69	32.79	4.1	NC
TF-16	05/01/98	76.48	32.07	32.61	0.54	NC
TF-16	05/25/99	76.48	27.82	27.9	0.08	NC
TF-16	05/15/00	76.48	32.03	32.48	0.45	NC
TF-16	05/07/01	76.48	31.96	32.2	0.24	NC
TF-16	04/08/02	75.89	31.40	31.49	0.09	NC
TF-16	09/19/02	76.48	---	29.36	---	47.12
TF-16	10/21/02	76.48	---	32.21	---	44.27
TF-16	04/22/03	75.89	---	28.22	---	47.67
TF-16	10/06/03	75.89	---	28.1	---	47.79
TF-16	04/19/04	76.48	---	29.16	---	47.32
TF-16	11/01/04	76.48	---	28.95	---	47.53
TF-16	02/28/05	76.48	---	25.2	---	51.28
TF-16	05/02/05	76.48	---	23.7	---	52.78

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**

*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
TF-16	03/06/06	76.48	---	25.54	---	50.94
TF-16	05/01/06	76.48	---	25.66	---	50.82
TF-16	08/26/06	76.48	---	26.06	---	50.42
TF-16	12/01/06	76.48	---	26.45	---	50.03
TF-16	03/21/07	76.48	---	26.52	---	49.96
TF-16	04/30/07	76.48	---	27.04	---	49.44
TF-16	08/28/07	76.48	---	27.11	---	49.37
TF-16	11/12/07	75.89	---	27.6	---	48.29
TF-16	02/05/08	76.48	---	27.94	---	48.54
TF-16	04/14/08	76.48	---	27.17	---	49.31
TF-16	07/24/08	75.89	---	27.5	---	48.39
TF-16	10/14/08	76.48	---	28.37	---	48.11
TF-16	02/10/09	76.48	---	27.73	---	48.75
TF-16	04/20/09	75.89	---	27.63	---	48.26
TF-16	07/17/09	76.48	---	28.35	---	48.13
TF-16	10/19/09	75.89	---	29.66	---	46.23
TF-16	04/08/10	76.48	---	27.06	---	49.42
TF-16	04/12/10	75.89	---	27.36	---	48.53
TF-16	10/01/10	75.89	---	28.59	---	47.3
TF-16	01/08/11	75.89	---	28.72	---	47.17
TF-16	04/07/11	75.89	---	27.18	---	48.71
TF-16	04/07/11	75.89	---	27.18	---	48.71
TF-16	07/08/11	75.89	---	27.51	---	48.38
TF-16	10/07/11	75.89	---	28.1	---	47.79
TF-16	04/12/12	75.89	---	29.05	---	46.84
TF-16	04/19/12	75.89	---	29.08	---	46.81
TF-16	01/11/13	75.89	---	30.63	---	45.26
TF-16	04/03/13	75.89	---	30.47	---	45.42
TF-16	04/08/13	75.89	---	30.25	---	45.64
TF-16	10/02/13	75.89	---	31.16	---	44.73
TF-17	11/20/96	75.26	30.00	30.53	0.53	NC
TF-17	07/01/97	75.26	30.10	30.2	0.1	NC
TF-17	12/31/97	75.26	---	27.5	---	47.76
TF-17	05/01/98	75.26	24.86	25.18	0.32	NC
TF-17	05/25/99	75.26	25.40	28.24	2.84	NC
TF-17	05/15/00	75.26	28.84	29.32	0.48	NC
TF-17	05/07/01	75.26	---	26.2	---	49.06
TF-17	04/08/02	74.88	27.01	27.04	0.03	NC
TF-17	09/19/02	75.26	---	28.68	---	46.58
TF-17	10/21/02	75.26	---	27.4	---	47.86
TF-17	04/22/03	74.88	27.85	27.99	0.14	NC
TF-17	10/06/03	74.88	---	26.63	---	48.25
TF-17	04/19/04	75.26	27.32	28.83	1.51	NC
TF-17	11/01/04	75.26	27.80	28.3	0.5	NC
TF-17	02/28/05	75.26	22.62	23.33	0.71	NC
TF-17	05/02/05	75.26	21.57	22.25	0.68	NC
TF-17	03/06/06	75.26	23.42	23.98	0.56	NC
TF-17	05/01/06	75.26	23.39	26.35	2.96	NC
TF-17	08/26/06	75.26	24.08	26.52	2.44	NC
TF-17	12/01/06	74.88	24.77	26.62	1.85	NC
TF-17	03/21/07	75.26	24.67	25.02	0.35	NC
TF-17	04/30/07	75.26	25.00	26.16	1.16	NC
TF-17	11/09/07	74.88	25.35	26.01	0.66	NC
TF-17	02/05/08	75.26	25.98	28.18	2.2	NC
TF-17	07/24/08	75.26	26.15	27.29	1.14	NC
TF-17	10/13/08	75.26	26.67	27.95	1.28	NC
TF-17	02/10/09	75.26	26.05	27.66	1.61	NC
TF-17	07/17/09	74.88	26.90	27.64	0.74	NC
TF-17	04/08/10	74.88	26.76	26.78	0.02	NC

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**

*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
TF-17	10/01/10	74.88	27.72	28.14	0.42	NC
TF-17	04/08/11	74.88	---	25.74	---	49.14
TF-17	07/08/11	74.88	---	26.4	---	48.48
TF-17	10/06/11	74.88	---	27.07	---	47.81
TF-17	04/12/12	74.88	---	27.96	---	46.92
TF-17	01/11/13	74.88	---	29.55	---	45.33
TF-17	04/03/13	74.88	---	29.71	---	45.17
TF-17	10/02/13	74.88	---	30.42	---	44.46
TF-18	05/25/99	73.94	24.22	25.83	1.61	NC
TF-18	05/15/00	73.94	25.13	26.22	1.09	NC
TF-18	05/07/01	73.94	---	25.3	---	48.64
TF-18	04/08/02	73.94	27.10	27.42	0.32	NC
TF-18	09/19/02	73.94	25.80	26.89	1.09	NC
TF-18	10/21/02	73.94	27.92	27.94	0.02	NC
TF-18	04/22/03	73.94	---	28.11	---	45.83
TF-18	10/06/03	73.94	25.09	25.28	0.19	NC
TF-18	04/19/04	73.94	---	26	---	47.94
TF-18	11/01/04	73.94	26.25	27.76	1.51	NC
TF-18	02/28/05	73.94	---	22.27	---	NC
TF-18	05/02/05	73.94	20.45	20.67	0.22	NC
TF-18	03/06/06	73.94	22.62	22.67	0.05	NC
TF-18	05/01/06	73.94	22.57	22.59	0.02	NC
TF-18	08/26/06	73.94	23.14	23.29	0.15	NC
TF-18	12/01/06	73.94	---	23.97	---	49.97
TF-18	03/21/07	73.94	23.91	24.02	0.11	NC
TF-18	04/30/07	73.94	24.30	24.35	0.05	NC
TF-18	11/09/07	73.94	---	24.85	---	49.09
TF-18	02/05/08	73.94	---	25.49	---	48.45
TF-18	07/24/08	73.94	---	24.97	---	48.97
TF-18	10/14/08	73.94	---	25.62	---	48.32
TF-18	02/10/09	73.94	---	25.88	---	48.06
TF-18	07/16/09	73.94	---	26.42	---	47.52
TF-18	04/08/10	73.94	25.70	25.73	0.03	NC
TF-18	10/01/10	73.94	---	26.35	---	47.59
TF-18	01/08/11	73.94	26.65	26.86	0.21	NC
TF-18	04/07/11	73.94	24.95	25.11	0.16	NC
TF-18	07/08/11	73.94	25.30	25.4	0.1	NC
TF-18	10/06/11	73.94	25.95	25.97	0.02	NC
TF-18	04/12/12	73.94	---	27.3	---	46.64
TF-18	01/10/13	73.94	27.85	30.25	2.4	NC
TF-18	04/03/13	73.94	28.04	28.8	0.76	NC
TF-18	10/02/13	73.94	28.68	29.47	0.79	45.1336
TF-19	11/20/96	75.61	---	29.06	---	46.55
TF-19	07/01/97	75.61	29.20	29.3	0.1	NC
TF-19	12/31/97	75.61	---	28.27	---	47.34
TF-19	05/01/98	75.61	---	25.7	---	49.91
TF-19	05/25/99	75.61	---	26.42	---	49.19
TF-19	05/15/00	75.61	32.33	32.9	0.57	NC
TF-19	05/07/01	75.61	---	28.61	---	47
TF-19	04/08/02	75.07	---	26.4	---	48.67
TF-19	09/19/02	75.61	---	27.9	---	47.71
TF-19	10/21/02	75.61	---	27.08	---	48.53
TF-19	04/22/03	75.07	---	27.09	---	47.98
TF-19	10/06/03	75.07	---	26.87	---	48.2
TF-19	04/19/04	75.07	---	26.9	---	48.17
TF-19	11/01/04	75.61	---	28.2	---	47.41
TF-19	02/28/05	75.61	---	23.79	---	51.82
TF-19	05/02/05	75.61	---	22.25	---	53.36
TF-19	03/06/06	75.61	---	24.62	---	50.99

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
TF-19	05/01/06	75.61	---	24.6	---	51.01
TF-19	08/26/06	75.61	---	25.11	---	50.5
TF-19	12/01/06	75.61	---	25.6	---	50.01
TF-19	03/21/07	75.61	---	25.96	---	49.65
TF-19	04/30/07	75.61	---	26.07	---	49.54
TF-19	08/28/07	75.61	---	26.21	---	49.4
TF-19	11/12/07	75.61	---	26.66	---	48.95
TF-19	02/05/08	75.61	---	27.15	---	48.46
TF-19	04/14/08	75.61	---	26.12	---	49.49
TF-19	07/24/08	75.61	---	26.95	---	48.66
TF-19	10/14/08	75.61	---	27.4	---	48.21
TF-19	02/10/09	75.61	---	27.7	---	47.91
TF-19	07/16/09	75.61	---	27.69	---	47.92
TF-19	04/08/10	75.61	---	27.48	---	48.13
TF-19	10/01/10	75.07	---	28.11	---	46.96
TF-19	01/08/11	75.07	---	27.66	---	47.41
TF-19	04/07/11	75.07	---	25.96	---	49.11
TF-19	04/07/11	75.07	---	25.96	---	49.11
TF-19	07/08/11	75.07	---	26.37	---	48.7
TF-19	10/06/11	75.07	---	27	---	48.07
TF-19	04/12/12	75.07	---	28.08	---	46.99
TF-19	01/10/13	75.07	---	29.38	---	45.69
TF-19	04/03/13	75.07	---	29.45	---	45.62
TF-19	10/02/13	75.07	---	30.14	---	44.93
TF-20	11/20/96	75.59	---	29.02	---	46.57
TF-20	07/01/97	75.59	---	29.4	---	46.19
TF-20	12/31/97	75.59	---	28.49	---	47.1
TF-20	05/01/98	75.59	---	25.93	---	49.66
TF-20	05/25/99	75.59	---	26.74	---	48.85
TF-20	05/15/00	75.59	---	31.44	---	NC
TF-20	05/07/01	75.59	---	27.96	---	47.63
TF-20	04/08/02	75.08	---	31.4	---	43.68
TF-20	09/19/02	75.59	---	28.52	---	47.07
TF-20	10/21/02	75.59	---	31.29	---	44.3
TF-20	04/22/03	75.08	---	31.28	---	43.8
TF-20	10/06/03	75.08	---	27.6	---	47.48
TF-20	04/19/04	75.08	---	27.78	---	47.3
TF-20	11/01/04	75.59	---	28.88	---	46.71
TF-20	02/28/05	75.59	---	24.92	---	50.67
TF-20	05/02/05	75.59	---	22.54	---	53.05
TF-20	03/06/06	75.59	24.34	24.48	0.14	NC
TF-20	05/01/06	75.59	24.67	27.7	3.03	NC
TF-20	08/26/06	75.59	25.05	28.68	3.63	NC
TF-20	12/01/06	75.59	25.48	29.67	4.19	NC
TF-20	03/21/07	75.59	25.42	25.49	0.07	NC
TF-20	04/30/07	75.59	---	25.84	---	49.75
TF-20	11/09/07	75.59	26.45	29.02	2.57	NC
TF-20	02/05/08	75.08	27.47	28.65	1.18	NC
TF-20	07/24/08	75.08	---	27.51	---	47.57
TF-20	10/13/08	75.08	---	28.28	---	46.8
TF-20	02/10/09	75.08	27.24	27.85	0.61	NC
TF-20	07/17/09	75.08	---	28.02	---	NC
TF-20	04/08/10	75.08	---	27.59	---	47.49
TF-20	10/01/10	75.08	---	28.47	---	46.61
TF-20	01/08/11	75.08	---	28.73	---	46.35
TF-20	04/08/11	75.08	---	26.9	---	48.18
TF-20	07/08/11	75.08	---	27.45	---	47.63
TF-20	10/06/11	75.08	---	28.05	---	47.03
TF-20	04/12/12	75.08	---	28.88	---	46.2

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**

*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
TF-20	01/11/13	75.08	30.38	30.43	0.05	NC
TF-20	04/03/13	75.08	30.30	30.32	0.02	NC
TF-20	10/02/13	75.08	30.93	30.95	0.02	44.1468
TF-21	11/20/96	75.6	29.83	29.91	0.08	NC
TF-21	07/01/97	75.6	30.80	31.1	0.3	NC
TF-21	12/31/97	75.6	---	28.35	---	47.25
TF-21	05/01/98	75.6	---	25.56	---	50.04
TF-21	05/01/98	75.6	---	NM	0.05	NC
TF-21	05/25/99	75.6	26.49	26.58	0.09	NC
TF-21	05/15/00	75.6	28.68	29.04	0.36	NC
TF-21	05/07/01	75.6	---	29.81	---	45.79
TF-21	04/08/02	74.96	---	28.5	---	46.46
TF-21	09/19/02	75.6	---	28.63	---	46.97
TF-21	10/21/02	75.6	---	30.16	---	45.44
TF-21	04/22/03	74.96	---	27.62	---	47.34
TF-21	10/06/03	74.96	---	26.55	---	48.41
TF-21	04/19/04	74.96	---	27.28	---	47.68
TF-21	11/01/04	75.6	---	27.88	---	47.72
TF-21	02/28/05	75.6	---	23.76	---	51.84
TF-21	05/02/05	75.6	---	22	---	53.6
TF-21	03/06/06	75.6	---	24.06	---	51.54
TF-21	05/01/06	75.6	---	24.09	---	51.51
TF-21	08/26/06	75.6	---	24.76	---	50.84
TF-21	12/01/06	75.6	---	25.22	---	50.38
TF-21	03/21/07	75.6	---	25.51	---	50.09
TF-21	04/30/07	75.6	---	25.72	---	49.88
TF-21	08/28/07	75.6	---	26.17	---	49.43
TF-21	11/12/07	74.76	---	26.35	---	48.41
TF-21	02/05/08	75.6	---	27.25	---	48.35
TF-21	04/14/08	75.6	---	25.93	---	49.67
TF-21	07/24/08	74.96	---	26.51	---	48.45
TF-21	10/13/08	74.96	---	27.1	---	47.86
TF-21	02/10/09	75.6	---	26.72	---	48.88
TF-21	04/20/09	74.96	---	21.85	---	53.11
TF-21	07/17/09	75.6	---	27.31	---	48.29
TF-21	10/19/09	74.96	---	29.84	---	45.12
TF-21	04/08/10	75.6	---	27.3	---	48.3
TF-21	04/12/10	74.96	---	27	---	47.96
TF-21	10/01/10	74.96	---	NM	---	NC
TF-21	01/08/11	74.96	---	27.89	---	47.07
TF-21	04/08/11	74.96	---	26.09	---	48.87
TF-21	07/08/11	74.96	---	26.59	---	48.37
TF-21	10/06/11	74.96	---	27.23	---	47.73
TF-21	04/12/12	74.96	---	28.16	---	46.8
TF-21	04/20/12	74.96	---	28.14	---	46.82
TF-21	01/11/13	74.96	---	29.63	---	45.33
TF-21	04/03/13	74.96	---	29.43	---	45.53
TF-21	04/08/13	74.96	---	29.9	---	45.06
TF-21	10/02/13	74.96	---	30.15	---	44.81
TF-22	11/20/96	74.95	30.56	31.98	1.42	NC
TF-22	07/01/97	74.95	30.70	31	0.3	NC
TF-22	12/31/97	74.95	28.01	28.9	0.89	NC
TF-22	05/01/98	74.95	23.57	25.24	1.67	NC
TF-22	05/25/99	74.95	26.02	26.44	0.42	NC
TF-22	05/15/00	74.95	32.65	32.96	0.31	NC
TF-22	05/07/01	74.95	32.70	33.01	0.31	NC
TF-22	04/08/02	74.76	32.80	32.98	0.18	NC
TF-22	09/19/02	74.95	---	27.63	---	47.32
TF-22	10/21/02	74.95	31.42	32.6	0.02	NC

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**

*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
TF-22	04/22/03	74.76	---	27.6	---	47.16
TF-22	10/06/03	74.76	---	26.37	---	48.39
TF-22	04/19/04	74.95	27.30	27.32	0.02	NC
TF-22	11/01/04	74.95	---	27.52	---	47.43
TF-22	02/28/05	74.95	---	23.49	---	51.46
TF-22	05/02/05	74.95	---	21.88	---	53.07
TF-22	03/06/06	74.95	---	23.98	---	50.97
TF-22	05/01/06	74.95	---	23.99	---	50.96
TF-22	08/26/06	74.95	---	24.42	---	50.53
TF-22	12/01/06	74.95	---	24.97	---	49.98
TF-22	03/21/07	74.95	---	25.24	---	49.71
TF-22	04/30/07	74.95	25.50	25.51	0.01	NC
TF-22	08/28/07	74.95	---	26.07	---	48.88
TF-22	11/12/07	74.95	---	26.03	---	48.92
TF-22	02/05/08	74.95	---	26.87	---	48.08
TF-22	04/14/08	74.95	---	25.59	---	49.36
TF-22	07/24/08	74.95	---	26.4	---	48.55
TF-22	10/13/08	74.95	---	27.06	---	47.89
TF-22	02/10/09	74.95	---	26.32	---	48.63
TF-22	07/17/09	74.95	---	27.61	---	47.34
TF-22	04/08/10	74.95	---	28.24	---	46.71
TF-22	10/01/10	74.76	---	27.58	---	47.18
TF-22	04/08/11	74.76	---	25.92	---	48.84
TF-22	07/08/11	74.76	---	26.3	---	48.46
TF-22	10/06/11	74.76	---	26.95	---	47.81
TF-22	04/12/12	74.76	---	27.9	---	46.86
TF-22	01/11/13	74.76	---	29.35	---	45.41
TF-22	04/03/13	74.76	---	29.15	---	45.61
TF-23	05/25/99	75.31	---	26.12	---	49.19
TF-23	05/15/00	75.31	27.35	27.38	0.03	NC
TF-23	05/07/01	75.31	---	27.3	---	48.01
TF-23	04/08/02	75.31	---	28.74	---	46.57
TF-23	09/19/02	75.31	---	27.55	---	47.76
TF-23	10/21/02	75.31	31.24	31.44	0.2	NC
TF-23	04/22/03	74.76	---	NM	---	NC
TF-23	10/06/03	75.31	---	26.52	---	48.79
TF-23	04/19/04	75.31	---	27.51	---	47.8
TF-23	11/01/04	75.31	---	27.6	---	47.71
TF-23	02/28/05	75.31	---	23.89	---	51.42
TF-23	05/02/05	75.31	---	22.32	---	52.99
TF-23	03/06/06	75.31	---	24.21	---	51.1
TF-23	05/01/06	75.31	---	24.31	---	51
TF-23	03/21/07	75.31	---	25.51	---	49.8
TF-23	04/30/07	75.31	---	25.67	---	49.64
TF-23	11/12/07	75.31	---	26.2	---	49.11
TF-23	02/05/08	75.31	---	26.75	---	48.56
TF-23	04/14/08	75.31	---	25.81	---	49.5
TF-23	07/24/08	75.31	---	26.45	---	48.86
TF-23	10/13/08	75.31	---	27.15	---	48.16
TF-23	02/10/09	75.31	---	26.46	---	48.85
TF-23	07/17/09	75.31	---	26.93	---	48.38
TF-23	04/08/10	75.31	---	27.2	---	48.11
TF-23	10/01/10	75.31	---	27.67	---	47.64
TF-23	01/08/11	75.31	---	27.88	---	47.43
TF-23	04/08/11	75.31	---	26.43	---	48.88
TF-23	07/08/11	75.31	---	26.76	---	48.55
TF-23	10/06/11	75.31	---	27.34	---	47.97
TF-23	04/12/12	75.31	28.38	28.41	0.03	NC
TF-23	01/11/13	75.31	---	29.67	---	45.64



**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**

*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
TF-23	04/03/13	75.31	29.60	29.7	0.1	NC
TF-23	10/02/13	75.31	30.34	30.56	0.22	44.9348
TF-24	12/31/97	76.36	---	30.05	---	46.31
TF-24	05/01/98	76.36	---	27.19	---	49.17
TF-24	05/25/99	72.43	27.10	29.04	1.94	NC
TF-24	05/15/00	76.36	27.82	29.42	1.6	NC
TF-24	05/07/01	76.36	---	NM	---	NC
TF-24	04/08/02	76.43	---	29.19	---	47.24
TF-24	10/21/02	76.35	---	28.12	---	48.23
TF-24	04/22/03	76.35	27.95	28.65	0.7	NC
TF-24	11/01/04	76.43	---	29.4	---	47.03
TF-24	02/28/05	76.43	---	24.77	---	51.66
TF-24	05/02/05	76.43	---	24.78	---	51.65
TF-24	03/06/06	76.43	24.92	25.86	0.94	NC
TF-24	05/01/06	76.43	---	26.21	---	50.22
TF-24	08/26/06	76.43	---	26.59	---	49.84
TF-24	03/21/07	76.43	25.88	26.52	0.64	NC
TF-24	11/12/07	76.43	---	28.03	---	48.4
TF-24	04/11/08	76.43	---	27.8	---	48.63
TF-24	07/24/08	76.43	---	28.1	---	48.33
TF-24	10/13/08	76.43	---	28.9	---	47.53
TF-24	02/09/09	76.43	---	29.9	---	46.53
TF-24	07/16/09	76.43	---	29.11	---	47.32
TF-24	04/07/10	76.43	---	29.2	---	47.23
TF-24	10/01/10	76.43	---	29.45	---	46.98
TF-24	01/08/11	76.43	---	29.45	---	46.98
TF-24	04/08/11	76.43	---	28.23	---	48.2
TF-24	07/07/11	76.43	---	28.47	---	47.96
TF-24	10/07/11	76.43	---	28.98	---	47.45
TF-24	04/12/12	76.43	---	29.98	---	46.45
TF-24	01/10/13	76.43	---	31.13	---	45.3
TF-24	04/02/13	76.43	---	31.11	---	45.32
TF-24	10/01/13	76.43	---	31.84	---	44.59
TF-25	05/07/01	74.85	---	26.56	---	48.29
TF-25	04/08/02	74.85	---	28.55	---	46.3
TF-25	09/19/02	74.85	---	28.7	---	46.15
TF-25	10/21/02	74.85	---	27.82	---	47.03
TF-25	04/22/03	74.85	---	29.61	---	45.24
TF-25	10/06/03	74.85	---	27.54	---	47.31
TF-25	04/19/04	74.85	---	28.96	---	45.89
TF-25	11/01/04	74.85	---	28.15	---	46.7
TF-25	02/28/05	74.85	---	24.44	---	50.41
TF-25	05/02/05	74.85	---	23.72	---	51.13
TF-25	03/06/06	74.85	---	24.81	---	50.04
TF-25	05/01/06	74.85	---	25.1	---	49.75
TF-25	08/26/06	74.85	---	25.48	---	49.37
TF-25	12/01/06	74.85	---	25.79	---	49.06
TF-25	03/21/07	74.85	---	26	---	48.85
TF-25	04/30/07	74.85	---	26.34	---	NC
TF-25	08/28/07	74.85	---	26.89	---	47.96
TF-25	11/12/07	74.85	---	26.13	---	48.72
TF-25	02/05/08	74.85	---	27.71	---	47.14
TF-25	04/11/08	74.85	---	26.61	---	48.24
TF-25	07/24/08	74.85	---	26.95	---	47.9
TF-25	10/14/08	74.85	---	27.62	---	47.23
TF-25	02/10/09	74.85	---	27.62	---	47.23
TF-25	07/16/09	---	---	28.88	---	NC
TF-25	04/08/10	74.85	---	27.95	---	46.9
TF-25	10/01/10	74.85	---	27.63	---	47.22

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
TF-25	01/08/11	74.85	---	27.63	---	47.22
TF-25	04/08/11	74.85	---	26.4	---	48.45
TF-25	07/08/11	74.85	---	26.63	---	48.22
TF-25	10/07/11	74.85	---	27.27	---	47.58
TF-25	04/12/12	74.85	---	28.29	---	46.56
TF-25	01/11/13	74.85	---	29.65	---	45.2
TF-25	04/03/13	74.85	---	29.49	---	45.36
TF-26	05/07/01	75.85	---	27.83	---	NC
TF-26	04/08/02	75.85	---	29.12	---	46.73
TF-26	09/19/02	75.85	---	29.52	---	46.33
TF-26	10/21/02	75.85	---	28.82	---	47.03
TF-26	04/22/03	75.85	---	28.6	---	47.25
TF-26	10/06/03	75.85	---	28.42	---	47.43
TF-26	04/19/04	75.85	---	29.71	---	46.14
TF-26	11/01/04	75.85	---	29.18	---	46.67
TF-26	02/28/05	75.85	---	25.38	---	50.47
TF-26	05/02/05	75.85	---	24.62	---	51.23
TF-26	03/06/06	75.85	---	25.62	---	50.23
TF-26	05/01/06	75.85	---	26.04	---	49.81
TF-26	08/26/06	75.85	---	26.4	---	49.45
TF-26	12/01/06	75.85	---	26.78	---	49.07
TF-26	03/21/07	75.85	---	26.84	---	49.01
TF-26	04/27/07	75.85	---	27.18	---	NC
TF-26	08/28/07	75.85	---	27.06	---	48.79
TF-26	11/12/07	75.85	---	27.8	---	48.05
TF-26	02/05/08	75.85	---	28.11	---	47.74
TF-26	04/11/08	75.85	---	27.59	---	48.26
TF-26	07/24/08	75.85	---	28.01	---	47.84
TF-26	10/13/08	75.85	---	28.59	---	47.26
TF-26	02/09/09	75.85	---	27.91	---	47.94
TF-26	07/17/09	---	---	28.87	---	NC
TF-26	04/07/10	75.85	---	28.11	---	47.74
TF-26	10/01/10	75.85	---	28.41	---	47.44
TF-26	04/08/11	75.85	---	27.2	---	48.65
TF-26	07/07/11	75.85	---	27.5	---	48.35
TF-26	10/06/11	75.85	---	22.97	---	52.88
TF-26	04/12/12	75.85	---	29.04	---	46.81
TF-26	01/10/13	75.85	---	30.21	---	45.64
TF-26	04/02/13	75.85	30.55	31.39	0.84	NC
TF-8	11/20/96	75.6	---	29.39	---	46.21
TF-8	07/01/97	75.6	---	29.7	---	45.9
TF-8	12/31/97	75.6	---	29.33	---	46.27
TF-8	05/01/98	75.6	---	26.64	---	48.96
TF-8	05/25/99	75.6	---	27.6	---	48
TF-8	05/15/00	75.6	---	27.32	---	48.28
TF-8	05/07/01	75.6	---	28.91	---	46.69
TF-8	04/08/02	74.86	---	26.79	---	48.07
TF-8	09/19/02	75.6	---	28.77	---	46.83
TF-8	10/21/02	75.6	---	26.32	---	49.28
TF-8	04/22/03	74.86	---	27.5	---	47.36
TF-8	10/06/03	74.86	---	27.32	---	47.54
TF-8	04/19/04	74.86	---	28.62	---	46.24
TF-8	11/01/04	74.86	---	28.54	---	46.32
TF-8	02/28/05	74.86	---	24.95	---	49.91
TF-8	05/02/05	74.86	---	24.26	---	50.6
TF-8	03/06/06	74.86	---	24.21	---	50.65
TF-8	05/01/06	74.86	---	24.51	---	50.35
TF-8	08/26/06	74.86	---	25.84	---	49.02
TF-8	12/01/06	74.86	---	26.17	---	48.69

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
TF-8	03/21/07	74.86	---	25.52	---	49.34
TF-8	04/30/07	74.86	---	25.54	---	49.32
TF-8	08/28/07	75.6	---	25.92	---	49.68
TF-8	11/12/07	74.86	---	26.12	---	48.74
TF-8	02/05/08	75.6	---	26.69	---	48.91
TF-8	04/11/08	74.86	---	25.78	---	49.08
TF-8	07/16/08	75.6	---	28.42	---	47.18
TF-8	07/24/08	75.6	---	27.05	---	48.55
TF-8	10/14/08	75.6	---	27.84	---	47.76
TF-8	02/10/09	75.6	---	27.69	---	47.91
TF-8	04/08/10	75.6	---	28.3	---	47.3
TF-8	10/01/10	74.86	---	27.81	---	47.05
TF-8	01/07/11	74.86	---	27.9	---	46.96
TF-8	04/08/11	74.86	---	26.52	---	48.34
TF-8	07/08/11	74.86	---	26.66	---	48.2
TF-8	10/07/11	74.86	---	27.18	---	47.68
TF-8	04/12/12	74.86	---	28.14	---	46.72
TF-8	01/11/13	74.86	---	29.56	---	45.3
TF-8	04/03/13	74.86	---	29.35	---	45.51
TF-8	10/02/13	74.86	---	30.14	---	44.72
TF-9	11/20/96	75.27	---	31.31	---	43.96
TF-9	07/01/97	75.27	---	30.55	---	44.72
TF-9	12/31/97	75.27	---	29.12	---	46.15
TF-9	05/01/98	75.27	26.32	26.35	0.03	NC
TF-9	05/25/99	75.27	27.00	27.04	0.04	NC
TF-9	05/15/00	75.27	---	26.85	---	48.42
TF-9	05/07/01	75.27	---	29.62	---	45.65
TF-9	04/08/02	74.47	---	27.83	---	46.64
TF-9	09/19/02	75.27	---	28.6	---	46.67
TF-9	10/21/02	75.27	---	27.72	---	47.55
TF-9	04/22/03	75.27	---	27.13	---	48.14
TF-9	10/06/03	74.47	---	26.73	---	47.74
TF-9	04/19/04	74.47	---	28.18	---	46.29
TF-9	11/01/04	75.27	---	28.61	---	46.66
TF-9	02/28/05	75.27	---	25.54	---	49.73
TF-9	05/02/05	75.27	24.06	24.09	0.03	NC
TF-9	03/06/06	75.27	---	23.97	---	51.3
TF-9	05/01/06	74.47	---	24.22	---	50.25
TF-9	08/26/06	75.27	25.38	25.4	0.02	NC
TF-9	12/01/06	75.27	---	25.74	---	49.53
TF-9	03/21/07	75.27	---	25.18	---	50.09
TF-9	04/30/07	74.47	---	25	---	49.47
TF-9	08/28/07	75.27	---	26.02	---	49.25
TF-9	11/12/07	74.47	---	25.9	---	48.57
TF-9	02/05/08	75.27	---	26.88	---	48.39
TF-9	04/11/08	74.47	---	25.5	---	48.97
TF-9	07/24/08	74.47	---	27.16	---	47.31
TF-9	10/14/08	74.47	---	NM	---	NC
TF-9	02/10/09	75.27	---	27.82	---	47.45
TF-9	07/16/09	75.27	---	28.28	---	46.99
TF-9	04/07/10	75.27	---	27.79	---	47.48
TF-9	10/01/10	74.47	---	27.05	---	47.42
TF-9	01/07/11	74.47	---	27.38	---	47.09
TF-9	04/08/11	74.47	---	25.92	---	48.55
TF-9	07/08/11	74.47	---	26.03	---	48.44
TF-9	10/07/11	74.47	---	NM	---	NC
TF-9	04/12/12	74.47	---	27.62	---	46.85
TF-9	01/11/13	74.47	---	29.14	---	45.33
TF-9	04/03/13	74.47	---	28.93	---	45.54

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**

*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
TF-9	10/02/13	74.47	---	29.83	---	44.64
VE-1	04/07/03	77.7	---	29.55	---	48.15
VE-1	10/06/03	77.7	---	29.39	---	48.31
VE-1	04/19/04	77.7	---	30.17	---	47.53
VE-1	11/01/04	77.7	---	30.05	---	47.65
VE-1	05/01/06	77.7	---	26.58	---	51.12
VE-1	04/11/08	77.7	---	28.68	---	49.02
VE-1	10/13/08	77.7	---	29.78	---	47.92
VE-1	04/08/10	---	---	30.02	---	NC
VE-2	04/07/03	77.26	---	28.95	---	48.31
VE-2	10/06/03	77.26	---	28.89	---	48.37
VE-2	04/19/04	77.26	---	30.02	---	47.24
VE-2	11/01/04	77.26	---	29.69	---	47.57
VE-2	05/01/06	77.26	---	25.93	---	51.33
VE-2	04/11/08	77.26	---	28.25	---	49.01
VE-2	10/13/08	77.26	---	29.33	---	47.93
VE-2	04/07/10	---	---	30.36	---	NC
VEW-1	08/07/01	74.32	---	NM	---	NC
VEW-1	10/04/10	---	---	NM	---	NC
VEW-1	04/11/11	---	---	NM	---	NC
VEW-1	10/10/11	---	---	NM	---	NC
VEW-1	04/16/12	---	---	NM	---	NC
VEW-1	07/09/12	---	---	NM	---	NC
VEW-1	10/15/12	---	---	NM	---	NC
VEW-1	04/08/13	---	---	NM	---	NC
VEW-1	10/07/13	---	---	---	---	---
VEW-2	08/07/01	76.57	---	NM	---	NC
VEW-2	10/04/10	---	---	NM	---	NC
VEW-2	04/11/11	---	---	NM	---	NC
VEW-2	10/10/11	---	---	NM	---	NC
VEW-2	04/16/12	---	---	NM	---	NC
VEW-2	07/09/12	---	---	NM	---	NC
VEW-2	10/15/12	---	---	NM	---	NC
VEW-2	04/08/13	---	---	NM	---	NC
VEW-2	10/07/13	---	---	---	---	---
VS-01	10/06/03	---	---	26.3	---	NC
VS-01	04/19/04	---	---	26.88	---	NC
VS-01	05/01/06	---	---	23.95	---	NC
VS-01	05/01/06	---	---	24.01	---	NC
VS-01	12/01/06	---	---	24.92	---	NC
VS-01	12/01/06	---	---	24.81	---	NC
VS-01	11/12/07	---	---	24.81	---	NC
VS-01	11/12/07	---	---	24.92	---	NC
VS-01	04/14/08	---	---	25.48	---	NC
VS-01	04/14/08	---	---	25.18	---	NC
VS-01	10/14/08	---	---	26.87	---	NC
VS-01	10/14/08	---	---	26.69	---	NC
VS-02	10/06/03	---	---	25.63	---	NC
VS-02	04/19/04	---	---	25.08	---	NC
VS-02	04/27/07	---	---	25.5	---	NC
VS-03	10/06/03	---	---	27.04	---	NC
VS-03	04/19/04	---	---	28.25	---	NC
VS-03	05/01/06	---	---	24.21	---	NC
VS-03	05/01/06	---	---	24.36	---	NC
VS-03	12/01/06	---	---	25.21	---	NC
VS-03	12/01/06	---	---	25.18	---	NC
VS-03	04/27/07	---	---	25.51	---	NC
VS-03	04/30/07	---	---	25.51	---	NC
VS-03	11/12/07	---	---	26.01	---	NC

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**

*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
VS-03	11/12/07	---	---	26.33	---	NC
VS-03	04/11/08	---	---	25.56	---	NC
VS-03	04/11/08	---	---	25.9	---	NC
VS-03	10/14/08	---	---	26.6	---	NC
VS-03	10/14/08	---	---	26.85	---	NC
VS-03	04/08/10	---	---	26.48	---	NC
VS-03	04/08/10	---	---	27.1	---	NC
WCW-1	05/28/96	72.86	---	25.95	---	46.91
WCW-1	11/20/96	72.86	---	26.13	---	46.73
WCW-1	07/01/97	72.86	---	26.77	---	46.09
WCW-1	12/31/97	72.86	---	26.09	---	46.77
WCW-1	05/01/98	72.86	---	24.21	---	48.65
WCW-1	02/02/99	72.86	---	23.24	---	49.62
WCW-1	05/04/99	72.86	---	23.78	---	49.08
WCW-1	08/09/99	72.86	---	24.15	---	48.71
WCW-1	11/15/99	72.86	---	24.27	---	48.59
WCW-1	02/28/00	72.86	---	24.31	---	48.55
WCW-1	05/15/00	72.86	---	27.79	---	45.07
WCW-1	08/28/00	72.86	---	24.68	---	48.18
WCW-1	11/13/00	72.86	---	24.66	---	48.2
WCW-1	02/05/01	72.86	---	24.6	---	48.26
WCW-1	05/07/01	72.86	---	23.99	---	48.87
WCW-1	09/18/01	72.86	---	23.68	---	49.18
WCW-1	01/29/02	72.86	---	23.85	---	49.01
WCW-1	04/08/02	72.86	---	24.13	---	48.73
WCW-1	10/21/02	72.86	---	24.65	---	48.21
WCW-1	04/07/03	72.86	---	24.65	---	48.21
WCW-1	10/06/03	72.86	---	24.49	---	48.37
WCW-1	04/19/04	72.86	---	24.98	---	47.88
WCW-1	05/10/04	72.86	---	24.93	---	47.93
WCW-1	11/01/04	72.86	---	25.26	---	47.6
WCW-1	05/02/05	72.86	---	22.57	---	50.29
WCW-1	05/01/06	72.86	---	22.13	---	50.73
WCW-1	12/01/06	72.86	---	22.91	---	49.95
WCW-1	04/30/07	72.86	---	22.2	---	50.66
WCW-1	11/12/07	72.86	---	23.52	---	49.34
WCW-1	04/14/08	72.86	---	23.57	---	49.29
WCW-1	10/14/08	72.86	---	24.19	---	48.67
WCW-1	04/20/09	72.86	---	24.26	---	48.6
WCW-1	01/12/10	72.86	---	25.91	---	46.95
WCW-1	05/24/10	72.86	---	25.1	---	47.76
WCW-1	05/28/10	72.86	---	25.05	---	47.81
WCW-1	10/01/10	72.86	---	25.29	---	47.57
WCW-1	04/08/11	72.86	---	24.82	---	48.04
WCW-1	04/11/11	72.86	---	24.73	---	48.13
WCW-1	07/07/11	72.86	---	24.4	---	48.46
WCW-1	10/06/11	72.86	---	24.57	---	48.29
WCW-1	04/16/12	72.86	---	25.23	---	47.63
WCW-1	07/09/12	72.86	---	NM	---	NC
WCW-1	10/15/12	72.86	---	NM	---	NC
WCW-1	04/08/13	72.86	---	26.83	---	46.03
WCW-1	10/07/13	72.86	---	27.63	---	45.23
WCW-10	05/28/96	74.06	---	27.71	---	46.35
WCW-10	11/20/96	74.06	---	27.61	---	46.45
WCW-10	07/01/97	74.06	---	27.23	---	46.83
WCW-10	12/31/97	74.06	---	27.21	---	46.85
WCW-10	05/01/98	74.06	---	23.22	---	50.84
WCW-10	05/04/99	74.06	---	24.52	---	49.54
WCW-10	08/09/99	74.06	---	24.63	---	49.43

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
WCW-10	11/15/99	74.06	---	24.89	---	49.17
WCW-10	05/15/00	74.06	---	25.5	---	48.56
WCW-10	11/13/00	74.06	---	25.18	---	48.88
WCW-10	05/07/01	74.06	---	24.66	---	49.4
WCW-10	04/08/02	74.06	---	24.71	---	49.35
WCW-10	10/21/02	74.06	---	25.2	---	48.86
WCW-10	04/07/03	74.06	---	25.23	---	48.83
WCW-10	05/10/04	74.06	---	25.41	---	48.65
WCW-10	11/01/04	74.06	---	25.66	---	48.4
WCW-10	05/02/05	74.06	---	23.47	---	50.59
WCW-10	05/01/06	74.06	---	23.17	---	50.89
WCW-10	04/30/07	74.06	---	23.74	---	50.32
WCW-10	11/12/07	74.06	---	24.41	---	49.65
WCW-10	10/14/08	74.06	---	24.95	---	49.11
WCW-10	04/20/09	74.06	---	24.9	---	49.16
WCW-10	01/12/10	74.06	---	26.4	---	47.66
WCW-10	05/24/10	74.06	---	25.7	---	48.36
WCW-10	05/28/10	74.06	---	25.67	---	48.39
WCW-10	10/01/10	74.06	---	25.86	---	48.2
WCW-10	01/08/11	74.06	---	25.92	---	48.14
WCW-10	04/08/11	74.06	---	25.62	---	48.44
WCW-10	04/11/11	74.06	---	25.55	---	48.51
WCW-10	07/07/11	74.06	---	25.4	---	48.66
WCW-10	10/06/11	74.06	---	25.41	---	48.65
WCW-10	04/16/12	74.06	---	25.8	---	48.26
WCW-10	07/09/12	74.06	---	NM	---	NC
WCW-10	10/15/12	74.06	---	NM	---	NC
WCW-10	04/08/13	74.06	---	26.73	---	47.33
WCW-10	10/07/13	74.06	---	28.01	---	46.05
WCW-11	05/28/96	75.29	---	29.3	---	45.99
WCW-11	11/20/96	75.29	---	29.24	---	46.05
WCW-11	07/01/97	75.29	---	28.91	---	46.38
WCW-11	12/31/97	75.29	---	29.14	---	46.15
WCW-11	05/01/98	75.29	---	26.04	---	49.25
WCW-11	05/04/99	75.29	---	26.63	---	48.66
WCW-11	08/09/99	75.29	---	26.3	---	48.99
WCW-11	11/15/99	75.29	---	26.55	---	48.74
WCW-11	05/15/00	75.29	---	26.91	---	48.38
WCW-11	11/13/00	75.29	---	26.77	---	48.52
WCW-11	05/07/01	75.29	---	26.65	---	48.64
WCW-11	04/08/02	75.29	---	26.45	---	48.84
WCW-11	10/21/02	75.29	---	26.72	---	48.57
WCW-11	04/07/03	75.29	---	26.78	---	48.51
WCW-11	05/10/04	75.29	---	26.89	---	48.4
WCW-11	11/01/04	75.29	---	27.22	---	48.07
WCW-11	05/02/05	75.29	---	25.23	---	50.06
WCW-11	05/01/06	75.29	---	24.45	---	50.84
WCW-11	04/30/07	75.29	---	25.18	---	50.11
WCW-11	11/12/07	75.29	---	25.97	---	49.32
WCW-11	10/16/08	75.29	---	26.61	---	48.68
WCW-11	04/20/09	75.29	---	26.62	---	48.67
WCW-11	01/12/10	75.29	---	27.83	---	47.46
WCW-11	05/24/10	75.29	---	27.77	---	47.52
WCW-11	05/28/10	75.29	---	27.46	---	47.83
WCW-11	10/01/10	75.29	---	27.65	---	47.64
WCW-11	01/08/11	75.29	---	27.67	---	47.62
WCW-11	04/08/11	75.29	---	27.39	---	47.9
WCW-11	04/11/11	75.29	---	27.43	---	47.86
WCW-11	07/07/11	75.29	27.18	27.19	0.01	NC

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**

*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
WCW-11	10/06/11	75.29	---	27.11	---	48.18
WCW-11	04/16/12	75.29	---	27.56	---	47.73
WCW-11	07/09/12	75.29	---	NM	---	NC
WCW-11	10/15/12	75.29	---	NM	---	NC
WCW-11	04/08/13	75.29	---	26.91	---	48.38
WCW-11	10/07/13	75.29	---	29.54	---	45.75
WCW-12	05/28/96	76.27	---	30.94	---	45.33
WCW-12	11/20/96	76.27	---	30.89	---	45.38
WCW-12	07/01/97	76.27	---	30.34	---	45.93
WCW-12	12/31/97	76.27	---	30.59	---	45.68
WCW-12	05/01/98	76.27	---	29.31	---	46.96
WCW-12	05/04/99	76.27	---	27.63	---	48.64
WCW-12	08/09/99	76.27	---	27.81	---	48.46
WCW-12	11/15/99	76.27	---	28.2	---	48.07
WCW-12	05/15/00	76.27	---	28.17	---	48.1
WCW-12	11/13/00	76.27	---	28.21	---	48.06
WCW-12	05/07/01	76.27	---	27.79	---	48.48
WCW-12	04/08/02	76.27	---	27.7	---	48.57
WCW-12	10/21/02	76.27	---	28.24	---	48.03
WCW-12	04/07/03	76.27	---	28.23	---	48.04
WCW-12	05/10/04	76.27	---	28.34	---	47.93
WCW-12	11/01/04	76.27	---	28.74	---	47.53
WCW-12	05/02/05	76.27	---	26.61	---	49.66
WCW-12	05/01/06	76.27	---	25.95	---	50.32
WCW-12	12/01/06	76.27	---	26.39	---	49.88
WCW-12	04/30/07	76.27	---	26.39	---	49.88
WCW-12	11/12/07	76.27	---	27.15	---	49.12
WCW-12	04/14/08	76.27	---	27.14	---	49.13
WCW-12	10/16/08	76.27	---	27.93	---	48.34
WCW-12	04/20/09	76.27	---	27.82	---	48.45
WCW-12	10/19/09	76.27	---	28.52	---	47.75
WCW-12	01/12/10	76.27	---	29.04	---	47.23
WCW-12	05/24/10	76.27	---	28.9	---	47.37
WCW-12	05/28/10	76.27	---	28.9	---	47.37
WCW-12	01/08/11	76.27	---	29.16	---	47.11
WCW-12	04/08/11	76.27	---	28.79	---	47.48
WCW-12	04/11/11	76.27	---	28.7	---	47.57
WCW-12	07/07/11	76.27	---	28.6	---	47.67
WCW-12	10/06/11	76.27	---	28.55	---	47.72
WCW-12	04/16/12	76.27	---	29.05	---	47.22
WCW-12	07/09/12	76.27	---	NM	---	NC
WCW-12	10/15/12	76.27	---	NM	---	NC
WCW-12	04/08/13	76.27	---	29.98	---	46.29
WCW-12	10/07/13	76.27	---	31.13	---	45.14
WCW-13	05/28/96	77.7	---	32.61	---	45.09
WCW-13	11/20/96	77.7	---	32.51	---	45.19
WCW-13	07/01/97	77.7	---	32.44	---	45.26
WCW-13	12/31/97	77.7	---	32.24	---	45.46
WCW-13	05/01/98	77.7	---	30.9	---	46.8
WCW-13	05/04/99	77.7	---	29.39	---	48.31
WCW-13	08/09/99	77.7	---	30.82	---	46.88
WCW-13	11/15/99	77.7	---	29.96	---	47.74
WCW-13	05/15/00	77.7	---	29.83	---	47.87
WCW-13	08/28/00	77.7	---	29.92	---	47.78
WCW-13	11/13/00	77.7	---	29.96	---	47.74
WCW-13	02/05/01	77.7	---	30.15	---	47.55
WCW-13	05/07/01	77.7	---	29.8	---	47.9
WCW-13	09/18/01	77.7	---	29.25	---	48.45
WCW-13	01/29/02	77.7	---	29.4	---	48.3



**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
WCW-13	04/08/02	77.7	---	29.51	---	48.19
WCW-13	07/29/02	77.7	---	29.71	---	47.99
WCW-13	10/21/02	77.7	---	29.94	---	47.76
WCW-13	01/27/03	77.7	---	30	---	47.7
WCW-13	04/07/03	77.7	---	30.02	---	47.68
WCW-13	07/31/03	77.7	---	29.8	---	47.9
WCW-13	01/27/04	77.7	---	30.01	---	47.69
WCW-13	05/10/04	77.7	---	30.1	---	47.6
WCW-13	07/19/04	77.7	---	29.22	---	48.48
WCW-13	11/01/04	77.7	---	30.44	---	47.26
WCW-13	02/01/05	77.7	---	30.15	---	47.55
WCW-13	05/02/05	77.7	---	28.35	---	49.35
WCW-13	08/01/05	77.7	---	27.66	---	50.04
WCW-13	02/27/06	77.7	---	27.46	---	50.24
WCW-13	05/01/06	77.7	---	27.57	---	50.13
WCW-13	09/18/06	77.7	---	27.66	---	50.04
WCW-13	12/01/06	77.7	---	28.1	---	49.6
WCW-13	03/12/07	77.7	---	28	---	49.7
WCW-13	04/30/07	77.7	---	28.06	---	49.64
WCW-13	08/28/07	77.7	---	28.31	---	49.39
WCW-13	11/12/07	77.7	---	28.79	---	48.91
WCW-13	02/19/08	77.7	---	28.8	---	48.9
WCW-13	04/14/08	77.7	---	28.78	---	48.92
WCW-13	08/11/08	77.7	---	29.12	---	48.58
WCW-13	10/16/08	77.7	---	29.62	---	48.08
WCW-13	04/20/09	77.7	---	29.61	---	48.09
WCW-13	07/20/09	77.7	---	30.2	---	47.5
WCW-13	10/19/09	77.7	---	30.26	---	47.44
WCW-13	01/12/10	77.7	---	31.56	---	46.14
WCW-13	03/15/10	77.7	---	31.34	---	46.36
WCW-13	05/24/10	77.7	---	30.65	---	47.05
WCW-13	05/28/10	77.7	---	30.68	---	47.02
WCW-13	10/04/10	77.7	---	30.61	---	47.09
WCW-13	01/08/11	77.7	---	31	---	46.7
WCW-13	01/10/11	77.7	---	30.96	---	46.74
WCW-13	04/08/11	77.7	---	29.59	---	48.11
WCW-13	04/11/11	77.7	---	30.52	---	47.18
WCW-13	07/07/11	77.7	---	30.42	---	47.28
WCW-13	07/11/11	77.7	---	30.24	---	47.46
WCW-13	10/10/11	77.7	---	30.3	---	47.4
WCW-13	01/09/12	77.7	---	30.24	---	47.46
WCW-13	04/16/12	77.7	---	30.81	---	46.89
WCW-13	07/09/12	77.7	---	31.05	---	46.65
WCW-13	10/15/12	77.7	---	31.38	---	46.32
WCW-13	01/14/13	77.7	---	31.54	---	46.16
WCW-13	04/08/13	77.7	---	31.67	---	46.03
WCW-13	10/07/13	77.7	---	32.66	---	45.04
WCW-14	05/03/99	78.81	---	30.67	---	48.14
WCW-14	08/09/99	78.81	---	30.83	---	47.98
WCW-14	11/15/99	78.81	---	31.19	---	47.62
WCW-14	05/15/00	78.81	---	31.02	---	47.79
WCW-14	11/13/00	78.81	---	31.26	---	47.55
WCW-14	05/07/01	78.81	---	30.85	---	47.96
WCW-14	04/08/02	78.81	---	30.71	---	48.1
WCW-14	10/21/02	78.81	---	31.07	---	47.74
WCW-14	04/07/03	78.81	---	31.11	---	47.7
WCW-14	05/10/04	78.81	---	31.29	---	47.52
WCW-14	11/01/04	78.81	---	31.59	---	47.22
WCW-14	05/02/05	78.81	---	29.38	---	49.43



**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
WCW-14	05/01/06	78.81	---	28.59	---	50.22
WCW-14	12/01/06	78.81	---	29.22	---	49.59
WCW-14	04/30/07	78.81	---	29.16	---	49.65
WCW-14	11/12/07	78.81	---	29.9	---	48.91
WCW-14	04/14/08	78.81	---	29.85	---	48.96
WCW-14	10/16/08	78.81	---	30.74	---	48.07
WCW-14	04/20/09	78.81	---	30.83	---	47.98
WCW-14	10/19/09	78.81	---	31.32	---	47.49
WCW-14	01/12/10	78.81	---	32.24	---	46.57
WCW-14	05/24/10	78.81	---	31.87	---	46.94
WCW-14	05/28/10	78.81	---	31.84	---	46.97
WCW-14	01/08/11	78.81	---	32.13	---	46.68
WCW-14	04/08/11	78.81	---	31.57	---	47.24
WCW-14	04/11/11	78.81	---	31.66	---	47.15
WCW-14	07/07/11	78.81	---	31.6	---	47.21
WCW-14	10/06/11	78.81	---	31.57	---	47.24
WCW-14	04/16/12	78.81	---	31.97	---	46.84
WCW-14	07/09/12	78.81	---	NM	---	NC
WCW-14	10/15/12	78.81	---	NM	---	NC
WCW-14	04/08/13	78.81	---	32.71	---	46.1
WCW-14	10/07/13	78.81	---	33.41	---	45.4
WCW-2	05/28/96	75.34	---	35.28	---	40.06
WCW-2	11/20/96	75.34	---	29.34	---	46
WCW-2	07/01/97	75.34	---	29.82	---	45.52
WCW-2	12/31/97	75.34	---	29.45	---	45.89
WCW-2	05/01/98	75.34	---	26.8	---	48.54
WCW-2	02/02/99	75.34	---	26.4	---	48.94
WCW-2	05/03/99	75.34	---	26.94	---	48.4
WCW-2	08/09/99	75.34	---	27.21	---	48.13
WCW-2	11/15/99	75.34	---	27.47	---	47.87
WCW-2	02/28/00	75.34	---	27.44	---	47.9
WCW-2	05/15/00	75.34	---	27.42	---	47.92
WCW-2	08/28/00	75.34	---	27.63	---	47.71
WCW-2	11/13/00	75.34	---	28.87	---	46.47
WCW-2	02/05/01	75.34	---	27.62	---	47.72
WCW-2	05/07/01	75.34	---	27.06	---	48.28
WCW-2	09/18/01	75.34	---	26.64	---	48.7
WCW-2	01/29/02	75.34	---	26.76	---	48.58
WCW-2	04/08/02	75.34	---	27.1	---	48.24
WCW-2	10/21/02	75.34	---	27.47	---	47.87
WCW-2	04/07/03	75.34	---	27.47	---	47.87
WCW-2	10/06/03	75.34	---	27.4	---	47.94
WCW-2	04/19/04	75.34	---	25.8	---	49.54
WCW-2	05/10/04	75.34	---	27.8	---	47.54
WCW-2	11/01/04	75.34	---	28.04	---	47.3
WCW-2	05/02/05	75.34	---	25.69	---	49.65
WCW-2	05/01/06	75.34	---	24.9	---	50.44
WCW-2	12/01/06	75.34	---	25.52	---	49.82
WCW-2	04/30/07	75.34	---	25.49	---	49.85
WCW-2	11/12/07	75.34	---	26.15	---	49.19
WCW-2	04/14/08	75.34	---	26.15	---	49.19
WCW-2	10/14/08	75.34	---	26.88	---	48.46
WCW-2	04/20/09	75.34	---	27.31	---	48.03
WCW-2	10/19/09	75.34	---	27.9	---	47.44
WCW-2	01/12/10	75.34	---	28.11	---	47.23
WCW-2	05/24/10	75.34	---	28	---	47.34
WCW-2	05/28/10	75.34	---	27.95	---	47.39
WCW-2	01/08/11	75.34	---	28.36	---	46.98
WCW-2	04/11/11	75.34	---	27.67	---	47.67

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**

*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
WCW-2	04/12/11	75.34	---	27.74	---	47.6
WCW-2	07/07/11	75.34	---	27.4	---	47.94
WCW-2	10/06/11	75.34	---	27.54	---	47.8
WCW-2	04/16/12	75.34	---	28.13	---	47.21
WCW-2	07/09/12	75.34	---	NM	---	NC
WCW-2	10/15/12	75.34	---	NM	---	NC
WCW-2	04/08/13	75.34	---	29.11	---	46.23
WCW-2	10/07/13	75.34	---	30.25	---	45.09
WCW-3	05/28/96	76.16	---	30.4	---	45.76
WCW-3	11/20/96	76.16	---	30.48	---	45.68
WCW-3	07/01/97	76.16	---	31	---	45.16
WCW-3	12/31/97	76.16	---	30.61	---	45.55
WCW-3	05/01/98	76.16	---	29	---	47.16
WCW-3	02/02/99	76.16	---	27.82	---	48.34
WCW-3	05/03/99	76.16	---	28.33	---	47.83
WCW-3	08/09/99	76.16	---	28.56	---	47.6
WCW-3	11/15/99	76.16	---	28.83	---	47.33
WCW-3	02/28/00	76.16	---	28.58	---	47.58
WCW-3	05/15/00	76.16	---	28.56	---	47.6
WCW-3	08/28/00	76.16	---	28.72	---	47.44
WCW-3	11/13/00	76.16	---	28.16	---	48
WCW-3	02/05/01	76.16	---	28.7	---	47.46
WCW-3	05/07/01	76.16	---	28.15	---	48.01
WCW-3	09/18/01	76.16	---	27.78	---	48.38
WCW-3	01/29/02	76.16	---	27.99	---	48.17
WCW-3	04/08/02	76.16	---	28.25	---	47.91
WCW-3	07/29/02	76.16	---	28.41	---	47.75
WCW-3	10/21/02	76.16	---	28.5	---	47.66
WCW-3	01/27/03	76.16	---	28.47	---	47.69
WCW-3	04/07/03	76.16	---	28.49	---	47.67
WCW-3	07/30/03	76.16	---	28.29	---	47.87
WCW-3	10/06/03	76.16	---	28.44	---	47.72
WCW-3	01/27/04	76.16	---	28.58	---	47.58
WCW-3	05/10/04	76.16	---	28.34	---	47.82
WCW-3	07/19/04	76.16	---	28.18	---	47.98
WCW-3	11/01/04	76.16	---	29.04	---	47.12
WCW-3	02/01/05	76.16	---	28.54	---	47.62
WCW-3	05/02/05	76.16	---	26.58	---	49.58
WCW-3	02/27/06	76.16	---	25.75	---	50.41
WCW-3	05/01/06	76.16	---	25.95	---	50.21
WCW-3	09/18/06	76.16	---	26.11	---	50.05
WCW-3	12/01/06	76.16	---	26.56	---	49.6
WCW-3	03/12/07	76.16	---	26.52	---	49.64
WCW-3	04/30/07	76.16	---	26.45	---	49.71
WCW-3	08/28/07	76.16	---	27.43	---	48.73
WCW-3	11/12/07	76.16	---	27.21	---	48.95
WCW-3	02/19/08	76.16	---	27.21	---	48.95
WCW-3	04/14/08	76.16	---	27.14	---	49.02
WCW-3	08/11/08	76.16	---	27.59	---	48.57
WCW-3	10/14/08	76.16	---	27.99	---	48.17
WCW-3	04/20/09	76.16	---	28.19	---	47.97
WCW-3	07/20/09	76.16	---	28.48	---	47.68
WCW-3	10/19/09	76.16	---	28.84	---	47.32
WCW-3	01/12/10	76.16	---	30.4	---	45.76
WCW-3	03/15/10	76.16	---	29.44	---	46.72
WCW-3	05/24/10	76.16	---	29.3	---	46.86
WCW-3	05/28/10	76.16	---	29.21	---	46.95
WCW-3	10/04/10	76.16	---	29.26	---	46.9
WCW-3	01/08/11	76.16	---	29.58	---	46.58

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
WCW-3	01/10/11	76.16	---	29.5	---	46.66
WCW-3	04/11/11	76.16	---	28.84	---	47.32
WCW-3	04/12/11	76.16	---	28.95	---	47.21
WCW-3	07/07/11	76.16	---	28.75	---	47.41
WCW-3	07/11/11	76.16	---	28.57	---	47.59
WCW-3	10/10/11	76.16	---	28.64	---	47.52
WCW-3	01/09/12	76.16	---	29	---	47.16
WCW-3	04/16/12	76.16	---	29.35	---	46.81
WCW-3	07/09/12	76.16	---	29.64	---	46.52
WCW-3	10/15/12	76.16	---	29.98	---	46.18
WCW-3	01/14/13	76.16	---	30.32	---	45.84
WCW-3	04/08/13	76.16	---	30.24	---	45.92
WCW-3	10/07/13	76.16	---	31	---	45.16
WCW-4	05/28/96	78.05	---	32.63	---	45.42
WCW-4	11/20/96	78.05	---	32.61	---	45.44
WCW-4	07/01/97	78.05	---	32.95	---	45.1
WCW-4	12/31/97	78.05	---	32.63	---	45.42
WCW-4	05/01/98	78.05	---	31.1	---	46.95
WCW-4	05/03/99	78.05	---	30.25	---	47.8
WCW-4	08/09/99	78.05	---	30.45	---	47.6
WCW-4	11/15/99	78.05	---	30.85	---	47.2
WCW-4	05/15/00	78.05	---	34	---	44.05
WCW-4	11/13/00	78.05	---	30.69	---	47.36
WCW-4	05/07/01	78.05	---	31.16	---	46.89
WCW-4	04/08/02	78.05	---	30.25	---	47.8
WCW-4	10/21/02	78.05	---	30.46	---	47.59
WCW-4	04/07/03	78.05	---	30.38	---	47.67
WCW-4	10/06/03	78.05	---	30.31	---	47.74
WCW-4	05/10/04	78.05	---	30.61	---	47.44
WCW-4	11/01/04	78.05	---	30.98	---	47.07
WCW-4	05/02/05	78.05	---	28.52	---	49.53
WCW-4	08/01/05	78.05	---	27.84	---	50.21
WCW-4	05/01/06	78.05	---	27.9	---	50.15
WCW-4	12/01/06	78.05	---	28.54	---	49.51
WCW-4	04/30/07	78.05	---	28.5	---	49.55
WCW-4	11/12/07	78.05	---	29.23	---	48.82
WCW-4	04/14/08	78.05	---	29.12	---	48.93
WCW-4	10/14/08	78.05	---	29.96	---	48.09
WCW-4	04/20/09	78.05	---	30.2	---	47.85
WCW-4	10/19/09	78.05	---	30.83	---	47.22
WCW-4	01/12/10	78.05	---	31.4	---	46.65
WCW-4	05/24/10	78.05	---	31.26	---	46.79
WCW-4	05/28/10	78.05	---	31.23	---	46.82
WCW-4	01/08/11	78.05	---	31.57	---	46.48
WCW-4	04/08/11	78.05	---	29.98	---	48.07
WCW-4	04/11/11	78.05	---	30.88	---	47.17
WCW-4	07/07/11	78.05	---	30.86	---	47.19
WCW-4	10/06/11	78.05	---	30.96	---	47.09
WCW-4	04/16/12	78.05	---	31.17	---	46.88
WCW-4	07/09/12	78.05	---	NM	---	NC
WCW-4	10/15/12	78.05	---	NM	---	NC
WCW-4	04/08/13	78.05	---	32.12	---	45.93
WCW-4	10/07/13	78.05	---	32.78	---	45.27
WCW-5	05/28/96	73.49	---	26.63	---	46.86
WCW-5	11/20/96	73.49	---	26.94	---	46.55
WCW-5	07/01/97	73.49	---	27.65	---	45.84
WCW-5	12/31/97	73.49	---	27.1	---	46.39
WCW-5	05/01/98	73.49	---	25.28	---	48.21
WCW-5	05/04/99	73.49	---	24.8	---	48.69

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**

*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
WCW-5	08/09/99	73.49	---	25.11	---	48.38
WCW-5	11/15/99	73.49	---	25.46	---	48.03
WCW-5	05/15/00	73.49	---	25.14	---	48.35
WCW-5	11/13/00	73.49	---	25.95	---	47.54
WCW-5	05/07/01	73.49	---	24.82	---	48.67
WCW-5	04/08/02	73.49	---	24.85	---	48.64
WCW-5	10/21/02	73.49	---	29.34	---	44.15
WCW-5	04/07/03	73.49	---	25.38	---	48.11
WCW-5	10/06/03	73.49	---	25.27	---	48.22
WCW-5	05/10/04	73.49	---	25.9	---	47.59
WCW-5	11/01/04	73.49	---	26.09	---	47.4
WCW-5	05/02/05	73.49	---	23.44	---	50.05
WCW-5	05/01/06	73.49	---	22.85	---	50.64
WCW-5	12/01/06	73.49	---	23.8	---	49.69
WCW-5	04/30/07	73.49	---	23.56	---	49.93
WCW-5	11/12/07	73.49	---	24.15	---	49.34
WCW-5	04/14/08	73.49	---	24.2	---	49.29
WCW-5	10/14/08	73.49	---	24.82	---	48.67
WCW-5	04/20/09	73.49	---	24.97	---	48.52
WCW-5	10/19/09	73.49	---	25.71	---	47.78
WCW-5	01/12/10	73.49	---	26.53	---	46.96
WCW-5	05/24/10	73.49	---	25.7	---	47.79
WCW-5	05/28/10	73.49	---	25.65	---	47.84
WCW-5	01/08/11	73.49	---	26.15	---	47.34
WCW-5	04/08/11	73.49	---	25.32	---	48.17
WCW-5	04/11/11	73.49	---	25.23	---	48.26
WCW-5	07/07/11	73.49	---	24.85	---	48.64
WCW-5	10/06/11	73.49	---	25.18	---	48.31
WCW-5	04/16/12	73.49	---	25.92	---	47.57
WCW-5	07/09/12	73.49	---	NM	---	NC
WCW-5	10/15/12	73.49	---	NM	---	NC
WCW-5	04/08/13	73.49	---	27.17	---	46.32
WCW-5	10/07/13	73.49	---	28.62	---	44.87
WCW-6	05/28/96	75.52	---	28.91	---	46.61
WCW-6	11/20/96	75.52	---	29.55	---	45.97
WCW-6	07/01/97	75.52	---	30.17	---	45.35
WCW-6	12/31/97	75.52	---	29.46	---	46.06
WCW-6	05/01/98	75.52	---	27.67	---	47.85
WCW-6	05/04/99	75.52	---	27.38	---	48.14
WCW-6	08/09/99	75.52	---	27.82	---	47.7
WCW-6	11/15/99	75.52	---	27.9	---	47.62
WCW-6	05/15/00	75.52	---	27.68	---	47.84
WCW-6	11/13/00	75.52	---	28.67	---	46.85
WCW-6	05/07/01	75.52	---	27.21	---	48.31
WCW-6	04/08/02	75.52	---	27.52	---	48
WCW-6	10/21/02	75.52	---	27.72	---	47.8
WCW-6	04/07/03	75.52	---	27.63	---	47.89
WCW-6	10/06/03	75.52	---	27.75	---	47.77
WCW-6	05/10/04	75.52	---	28.35	---	47.17
WCW-6	11/01/04	75.52	---	28.51	---	47.01
WCW-6	05/02/05	75.52	---	25.64	---	49.88
WCW-6	05/01/06	75.52	---	25.1	---	50.42
WCW-6	12/01/06	75.52	---	26.06	---	49.46
WCW-6	04/30/07	75.52	---	25.79	---	49.73
WCW-6	11/12/07	75.52	---	26.44	---	49.08
WCW-6	04/14/08	75.52	---	26.41	---	49.11
WCW-6	10/14/08	75.52	---	27.13	---	48.39
WCW-6	04/20/09	75.52	---	27.4	---	48.12
WCW-6	10/19/09	75.52	---	27.87	---	47.65

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
WCW-6	01/12/10	75.52	---	28.24	---	47.28
WCW-6	05/24/10	75.52	---	28.1	---	47.42
WCW-6	05/28/10	75.52	---	28.02	---	47.5
WCW-6	01/08/11	75.52	---	28.58	---	46.94
WCW-6	04/08/11	75.52	---	27.55	---	47.97
WCW-6	04/11/11	75.52	---	27.41	---	48.11
WCW-6	07/07/11	75.52	---	27.19	---	48.33
WCW-6	10/06/11	75.52	---	27.62	---	47.9
WCW-6	10/10/11	75.52	---	27.33	---	48.19
WCW-6	04/16/12	75.52	---	28.33	---	47.19
WCW-6	07/09/12	75.52	---	NM	---	NC
WCW-6	10/15/12	75.52	---	NM	---	NC
WCW-6	04/08/13	75.52	---	29.59	---	45.93
WCW-6	10/07/13	75.52	---	30.56	---	44.96
WCW-7	05/28/96	76.44	---	28.91	---	47.53
WCW-7	11/20/96	76.44	---	30.55	---	45.89
WCW-7	07/01/97	76.44	---	31.5	---	44.94
WCW-7	12/31/97	76.44	---	30.79	---	45.65
WCW-7	05/01/98	76.44	---	28.81	---	47.63
WCW-7	05/04/99	76.44	---	29.26	---	47.18
WCW-7	08/09/99	76.44	---	29.75	---	46.69
WCW-7	11/15/99	76.44	---	29.86	---	46.58
WCW-7	05/15/00	76.44	---	29.02	---	47.42
WCW-7	11/13/00	76.44	---	29.69	---	46.75
WCW-7	02/05/01	76.44	---	29.1	---	47.34
WCW-7	05/07/01	76.44	---	28.48	---	47.96
WCW-7	09/18/01	76.44	---	28.18	---	48.26
WCW-7	01/29/02	76.44	---	28.64	---	47.8
WCW-7	04/08/02	76.44	---	29.03	---	47.41
WCW-7	07/29/02	76.44	---	28.94	---	47.5
WCW-7	10/21/02	76.44	---	28.93	---	47.51
WCW-7	01/27/03	76.44	---	28.7	---	47.74
WCW-7	04/07/03	76.44	---	28.72	---	47.72
WCW-7	07/31/03	76.44	---	28.67	---	47.77
WCW-7	10/06/03	76.44	---	29.03	---	47.41
WCW-7	01/27/04	76.44	---	28.98	---	47.46
WCW-7	05/10/04	76.44	---	29.46	---	46.98
WCW-7	07/19/04	76.44	---	30.18	---	46.26
WCW-7	11/01/04	76.44	---	29.56	---	46.88
WCW-7	02/01/05	76.44	---	28.76	---	47.68
WCW-7	05/02/05	76.44	---	26.51	---	49.93
WCW-7	08/01/05	76.44	---	25.72	---	50.72
WCW-7	02/27/06	76.44	---	25.09	---	51.35
WCW-7	05/01/06	76.44	---	26.41	---	50.03
WCW-7	09/18/06	76.44	---	26.72	---	49.72
WCW-7	12/01/06	76.44	---	27.13	---	49.31
WCW-7	03/12/07	76.44	---	27.28	---	49.16
WCW-7	04/30/07	76.44	---	26.96	---	49.48
WCW-7	08/28/07	76.44	---	26.7	---	49.74
WCW-7	11/12/07	76.44	---	27.67	---	48.77
WCW-7	02/19/08	76.44	---	27.69	---	48.75
WCW-7	04/14/08	76.44	---	27.56	---	48.88
WCW-7	08/11/08	76.44	---	28	---	48.44
WCW-7	10/16/08	76.44	---	28.53	---	47.91
WCW-7	04/20/09	76.44	---	28.72	---	47.72
WCW-7	07/20/09	76.44	---	28.94	---	47.5
WCW-7	10/19/09	76.44	---	29.29	---	47.15
WCW-7	01/12/10	76.44	---	29.94	---	46.5
WCW-7	03/15/10	76.44	---	30	---	46.44

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**  
*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
WCW-7	05/24/10	76.44	---	29.75	---	46.69
WCW-7	05/28/10	76.44	---	29.65	---	46.79
WCW-7	10/04/10	76.44	---	29.53	---	46.91
WCW-7	01/08/11	76.44	---	30.23	---	46.21
WCW-7	01/10/11	76.44	---	29.87	---	46.57
WCW-7	04/08/11	76.44	---	29.04	---	47.4
WCW-7	04/11/11	76.44	---	28.9	---	47.54
WCW-7	07/07/11	76.44	---	28.96	---	47.48
WCW-7	07/11/11	76.44	---	28.74	---	47.7
WCW-7	10/10/11	76.44	---	28.93	---	47.51
WCW-7	01/09/12	76.44	---	29.35	---	47.09
WCW-7	04/16/12	76.44	---	29.17	---	47.27
WCW-7	07/09/12	76.44	---	28.34	---	48.1
WCW-7	10/15/12	76.44	---	30.41	---	46.03
WCW-7	01/14/13	76.44	---	30.88	---	45.56
WCW-7	04/08/13	76.44	---	30.91	---	45.53
WCW-7	10/07/13	76.44	---	32.25	---	44.19
WCW-8	05/28/96	77.34	---	31.45	---	45.89
WCW-8	11/20/96	77.34	---	31.59	---	45.75
WCW-8	07/01/97	77.34	---	32.38	---	44.96
WCW-8	12/31/97	77.34	---	31.81	---	45.53
WCW-8	05/01/98	77.34	---	30.04	---	47.3
WCW-8	05/04/99	77.34	---	30.21	---	47.13
WCW-8	08/09/99	77.34	---	30.49	---	46.85
WCW-8	11/15/99	77.34	---	30.81	---	46.53
WCW-8	05/15/00	77.34	---	29.88	---	47.46
WCW-8	08/28/00	77.34	---	30.23	---	47.11
WCW-8	11/13/00	77.34	---	30.26	---	47.08
WCW-8	02/05/01	77.34	---	30.01	---	47.33
WCW-8	05/07/01	77.34	---	29.42	---	47.92
WCW-8	09/18/01	77.34	---	29.11	---	48.23
WCW-8	01/29/02	77.34	---	29.45	---	47.89
WCW-8	04/08/02	77.34	---	29.77	---	47.57
WCW-8	10/21/02	77.34	---	29.84	---	47.5
WCW-8	04/07/03	77.34	---	29.71	---	47.63
WCW-8	10/06/03	77.34	---	29.75	---	47.59
WCW-8	05/10/04	77.34	---	29.99	---	47.35
WCW-8	11/01/04	77.34	---	30.36	---	46.98
WCW-8	05/02/05	77.34	---	27.42	---	49.92
WCW-8	05/01/06	77.34	---	27.18	---	50.16
WCW-8	12/01/06	77.34	---	27.91	---	49.43
WCW-8	04/30/07	77.34	---	27.82	---	49.52
WCW-8	11/12/07	77.34	---	28.62	---	48.72
WCW-8	04/14/08	77.34	---	28.53	---	48.81
WCW-8	10/16/08	77.34	---	29.52	---	47.82
WCW-8	04/20/09	77.34	---	29.4	---	47.94
WCW-8	10/19/09	77.34	---	30.1	---	47.24
WCW-8	01/12/10	77.34	---	31.3	---	46.04
WCW-8	05/24/10	77.34	---	30.75	---	46.59
WCW-8	05/28/10	77.34	---	30.74	---	46.6
WCW-8	01/08/11	77.34	---	31.27	---	46.07
WCW-8	04/08/11	77.34	---	30.15	---	47.19
WCW-8	04/11/11	77.34	---	30.03	---	47.31
WCW-8	07/07/11	77.34	---	30.07	---	47.27
WCW-8	10/06/11	77.34	---	30.27	---	47.07
WCW-8	04/16/12	77.34	---	30.76	---	46.58
WCW-8	07/09/12	77.34	---	NM	---	NC
WCW-8	10/15/12	77.34	---	NM	---	NC
WCW-8	04/08/13	77.34	---	31.62	---	45.72

**APPENDIX C, TABLE 1**  
**Summary of Historical Groundwater Elevations – November 1996 through October 2013**

*Defense Fuel Support Point, Norwalk, California*

Well	Date	Top of Casing Elevation (feet msl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl)
WCW-8	10/07/13	77.34	---	32.42	---	44.92
WCW-9	05/28/96	77.74	---	31.98	---	45.76
WCW-9	11/20/96	77.74	---	32.13	---	45.61
WCW-9	07/01/97	77.74	---	32.47	---	45.27
WCW-9	12/31/97	77.74	---	32.22	---	45.52
WCW-9	05/01/98	77.74	---	30.75	---	46.99
WCW-9	05/04/99	77.74	---	30.16	---	47.58
WCW-9	08/09/99	77.74	---	30.44	---	47.3
WCW-9	11/15/99	77.74	---	30.79	---	46.95
WCW-9	05/15/00	77.74	---	30.32	---	47.42
WCW-9	11/13/00	77.74	---	30.59	---	47.15
WCW-9	05/07/01	77.74	---	29.92	---	47.82
WCW-9	04/08/02	77.74	---	30.07	---	47.67
WCW-9	10/21/02	77.74	---	30.36	---	47.38
WCW-9	04/07/03	77.74	---	30.23	---	47.51
WCW-9	10/06/03	77.74	---	30.2	---	47.54
WCW-9	05/10/04	77.74	---	30.35	---	47.39
WCW-9	11/01/04	77.74	---	30.77	---	46.97
WCW-9	05/02/05	77.74	---	27.8	---	49.94
WCW-9	05/01/06	77.74	---	27.61	---	50.13
WCW-9	12/01/06	77.74	---	28.54	---	49.2
WCW-9	04/30/07	77.74	---	28.36	---	49.38
WCW-9	11/12/07	77.74	---	29.24	---	48.5
WCW-9	04/14/08	77.74	---	29.11	---	48.63
WCW-9	10/16/08	77.74	---	29.98	---	47.76
WCW-9	04/20/09	77.74	---	29.96	---	47.78
WCW-9	01/12/10	77.74	---	NM	---	NC
WCW-9	05/24/10	77.74	---	31.02	---	46.72
WCW-9	05/28/10	77.74	---	31	---	46.74
WCW-9	10/01/10	77.74	---	31	---	46.74
WCW-9	01/08/11	77.74	---	31.37	---	46.37
WCW-9	04/11/11	77.74	---	30.68	---	47.06
WCW-9	04/12/11	77.74	---	30.78	---	46.96
WCW-9	07/07/11	77.74	---	30.66	---	47.08
WCW-9	10/06/11	77.74	---	30.82	---	46.92
WCW-9	04/16/12	77.74	---	31.15	---	46.59
WCW-9	07/09/12	77.74	---	NM	---	NC
WCW-9	10/15/12	77.74	---	NM	---	NC
WCW-9	04/08/13	77.74	---	31.73	---	46.01
WCW-9	10/07/13	77.74	---	33.04	---	44.7

**Notes:**

--- = not detected or applicable

feet btoc = feet below top of casing

feet msl = feet above mean sea level, based on Los Angeles County Datum, 1980

NM = not measured

NC = not calculated due to presence of product in well