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DEFENSE LOGISTICS AGENCY
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February 11, 2022

Mr. Paul Cho, P.G.
Engineering Geologist, Site Cleanup V
California Environmental Protection Agency
Los Angeles Regional Water Quality Control Board
320 West 4th Street, Suite 200
Los Angeles, California 90013

Dear Mr. Cho:

Enclosed is one electronic copy of the *Remediation Status Report – Fourth Quarter 2021, Defense Fuel Support Point Norwalk* (SCP NO. 0286A, SITE ID No. 16638) located at 15306 Norwalk Boulevard, Norwalk, California

If you have any questions or need additional information concerning this document, please contact Ms. Carol Devier-Heeney at (571) 767-9813 or carol.devier-heeney@dla.mil.

Sincerely,

POTTER.WILLIAM.Y.1394566272
Digitally signed by POTTER.WILLIAM.Y.1394566272
Date: 2022.02.11 07:37:33 -05'00'

William Y. Potter
Acting Chief, Restoration Section

Enclosure
As stated

cc:
Neil Irish, P.G., Principal Geologist, SGI/Apex

REMEDIATION STATUS REPORT – FOURTH QUARTER 2021

DEFENSE FUEL SUPPORT POINT NORWALK
15306 Norwalk Boulevard
Norwalk, California

SGI Project No. 091-NDLA-018
DLA Contract No. SPO600-14-D-5410, Task Order 0018

Prepared For:

Defense Logistics Agency - Energy
Environmental Division Restoration Branch
8725 John J. Kingman Drive
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For Submittal To:

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AST	above ground storage tank
BTEX	Benzene, toluene, ethylbenzene, and total xylenes
COD	Chemical Oxygen Demand
°F	degrees Fahrenheit
DFSP	Defense Fuel Support Point
DLA	Defense Logistics Agency - Energy Environmental Division Restoration Branch
DTP	Depth to product
DTW	Depth to groundwater
ELAP	Environmental Laboratory Accreditation Program
EPA	United States Environmental Protection Agency
GAC	Granular activated carbon
GRO	Gasoline range organic
GWE	Groundwater extraction
GWETS	Groundwater extraction and treatment system
JP-5	Jet propellant number 5
LARWQCB	California Regional Water Quality Control Board, Los Angeles Region
LNAPL	Light non-aqueous phase liquid
µg/L	micrograms per liter
MTBE	Methyl tertiary-butyl ether
ND	Non-detect
NFA	No Further Action
NPDES	National Pollutant Discharge Elimination System
OM&M	Operations, maintenance, and monitoring
OVA	Organic vapor analyzer
ppm	Parts per million
PID	Photoionization detector
SCAQMD	South Coast Air Quality Management District
SFPP	Santa Fe Pacific Pipelines Partners, L.P.
SGI	The Source Group, Inc.
SVE	Soil vapor extraction
SS	Suspended Solids
TBA	Tertiary-butyl alcohol
TOC	Top of casing

TPHd	Total petroleum hydrocarbons quantified as diesel
TPHg	Total petroleum hydrocarbons quantified as gasoline
VES	Vapor extraction system
VOCs	Volatile organic Compounds

1.0 INTRODUCTION

On behalf of our client, Defense Logistics Agency - Energy (DLA), The Source Group, Inc., a subsidiary of Apex Companies, LLC (SGI-Apex) presents this report to summarize remediation system operations during this reporting period (Fourth Quarter 2021 – October 1, 2021 through December 31, 2021) for the Defense Fuel Support Point (DFSP) Norwalk facility, located at 15306 Norwalk Boulevard, Norwalk, California (Site; Figures 1 and 2).

This report is submitted pursuant to a request from the California Regional Water Quality Control Board, Los Angeles Region (LARWQCB) in a letter dated May 3, 2013.

1.1 Contaminants of Concern

Soil and groundwater at the areas of concern are impacted with hydrocarbons consisting primarily of benzene, toluene, ethylbenzene, and total xylenes (collectively, BTEX), jet propellant number 5 (JP-5), diesel, methyl tertiary-butyl ether (MTBE), and tertiary-butyl alcohol (TBA). MTBE and TBA are interpreted to have resulted from Santa Fe Pacific Pipelines Partners, L.P. (SFPP) operations, and remediation of these impacts is being addressed by SFPP.

The impacted areas consist of the northwestern corner of the Site, the north-central portion of the former tank farm (central area), the northeastern property boundary (eastern area), off-site Holifield Park area, and the southern former water tank and truck fueling areas (southern area).

1.2 Remediation Technologies

Various remediation technologies have been implemented at the Site to treat the hydrocarbon impacts in soil and groundwater. The purposes of these technologies are to reduce hydrocarbon concentrations to cleanup goals, prevent off-site migration, contain contaminant mass, and ultimately achieve Site closure within a reasonable timeframe.

Remediation technologies utilized at the Site include soil vapor extraction (SVE), groundwater extraction (GWE), biosparging, and light non-aqueous phase liquid (LNAPL) removal via manual bailing, passive skimming, absorbent socks, and active pumping using a portable skimming pump or vacuum truck. The above ground treatment of contaminated vadose zone soils excavated at the Site was conducted from April 2015 until March 2017 (see SGI-Apex's January 2018 *Shallow Soil Closure Report*). An automated product recovery system was brought online during August 2016 and SVE and/or biosparge wells were installed during November 2016, June/July 2017 and November/December 2017 as part of ongoing remedial expansion activities.

A summary of Site remediation wells, including well identification, well construction information, well function, and operational status, is presented in Table 1. The soil and groundwater remediation system layout (well and piping locations) is presented in Figure 2.

1.2.1 Groundwater Extraction and Treatment System

The GWE wells pumping to the groundwater extraction and treatment system (GWETS) for hydrocarbon extraction of dissolved-phase subsurface impacts, historically included wells installed in the northwest corner of the Site (GW-2 and GW-13), the central area (GW-14R, which was not connected to the GWETS due to the presence of LNAPL at the time), and the eastern area (GW-15, GW-16, and GMW-58, which was not connected to the GWETS when SGI-Apex took over the project).

The GWETS utilizes electric pumps in each of the GWE wells to extract groundwater into a shared surge tank. Groundwater is then pumped from the surge tank through three particulate-removal bag filter vessels in series (BF1, BF2, and BF3), two MYCELX vessels in series (MX-7 and MX-21) for the removal of residual free product and/or oils/grease, and two coal-based carbon (GAC) vessels in series (750-pound GAC-1 and 2,000-pound GAC-2). The final two GAC vessels (2,000-lb GAC-3 and 1,500-lb GAC-4) were removed from the treatment process last quarter (Third Quarter 2021) and placed as standby vessels. The groundwater is then discharged to the sanitary sewer.

Operation of the GWETS was conducted in accordance with CI No. 7585 and South Coast Air Quality Management District (SCAQMD) Permit to Operate G6962, A/N 501180. Discharge of the treated groundwater was conducted in accordance with National Pollutant Discharge Elimination System (NPDES) permit CAG994004 until February 27, 2019 when the system was shut down pending approval of the sewer discharge permit application. The GWETS was restarted on October 10, 2019 and is operating in accordance with Sanitation Districts of Los Angeles County Industrial Wastewater Discharge Permit number 22453. Active GWE wells are identified in Section 3.1 and Tables 2A through 2C.

1.2.2 Biosparge System

Biosparge wells for hydrocarbon removal from dissolved-phase subsurface impacts are located throughout the Site. The biosparge system was off-line pending completion of soil cleanup activities per SGI-Apex's January 2018 *Shallow Soil Closure Report*. System recommissioning work was completed during Fourth Quarter 2018 in accordance with SGI-Apex's June 30, 2017 *Remediation Well Installation Update Report,* and July 11, 2018 *Well Installation Completion Report*. The recommissioned biosparge system includes 109 biosparge wells (Table 1) connected to the system via 11 total air supply trunklines. Injection air is supplied to the wells by a rotary claw compressor and cooled by a heat exchanger before delivery to the wells via the active air supply trunkline. The trunklines are connected to a common manifold and injection air is controlled by solenoids on each trunkline. The injection cycle duration and frequency are controlled by timers and total injection duration is recorded by hour meters for each trunkline. Biosparge system shakedown testing was conducted in late December 2018, and system operation resumed in early 2019.

Biosparge system optimization was performed during the reporting period on December 15, 2021. Biosparge trunkline cycles were adjusted at the control panel to alternate between four groups rather than three, increasing pressure and flow to each well. The sparge system will continue to be operated

in this manner during the First Quarter 2022 with follow up monitoring planned to verify system effectiveness and allow for any necessary adjustments to injection rates and/or cycling times.

1.2.3 Soil Vapor Extraction Systems

As illustrated on Figure 2, the SVE well network for hydrocarbon extraction from vadose zone subsurface impacts historically included wells installed in the following areas: former above ground storage tank (AST) basin 80001 (VEW-23), former AST basins 80006 and 80007 (VEW-22, HW-1 and HW-3), former AST basin 80008 (HW-5, and HW-7), former AST basin 55004 (VEW-28, VEW-29, and VEW-30), northeastern boundary area (VEW-32, VEW-33, VEW-34, VEW-35, VEW-36, and VEW-37), and southern former truck fueling and water tank area (VEW-31, VEW-38, VEW-39, VEW-40, VW-07, VW-09, VW-10, VW-11, VW-12, VW-13, VW-14, VW-15, and VW-16).

Several new SVE wells were installed within the eastern area and southern area of the Site during November 2016 and June/July 2017, as summarized in SGI-Apex's June 30, 2017 *Remediation Well Installation Update Report*. Wells VEW-38, VEW-39 and VEW-40 were brought online to the carbon vapor extraction system (VES) in June 2017, and wells RW-1, RW-2, RW-7, RW-9, RW-12, RW-13, RW-18, RW-20 through RW-24, RW-26, and RW-28 through RW-33 were brought online in August 2017. The new SVE wells were brought online following the completion of tie-in work to the carbon VES. Most of these wells were subsequently tied into the temporary thermal oxidizer VES during late December 2017/early January 2018 prior to the January 8, 2018 startup of this system, with the carbon VES being utilized to exclusively extract from three horizontal wells (HW-1, HW-5 and HW-7) that span through the entire former tank farm since 2018. Additionally, tie-in of wells RW-2 through RW-8, RW-10 through RW-12, and RW-14 through RW-17 to the temporary thermal oxidizer VES was completed on February 14, 2018, and wells RW-34 through RW-50 were tied in and brought online on June 27, 2018. The permanent full-scale thermal oxidizer VES (hereafter referred to as thermal oxidizer VES) was installed and tested and system startup began on March 13, 2019.

Each VES utilizes a blower to remove soil vapors from the subsurface. The extracted vapors are conveyed through a knockout tank that separates entrained moisture from the soil vapors. For both systems, accumulated moisture within the knockout tank is treated by the GWETS, as described in the preceding section. Following is a brief summary of each VES.

1.2.3.1 Carbon Vapor Extraction System

Soil vapors from the carbon VES knockout tank are treated via four GAC vessels where volatile organic compounds (VOCs) are adsorbed onto the GAC within the vessels. The primary and secondary GAC vessels, each 5,000 pounds, are installed in series, and are followed by a pair of tertiary vessels, each 2,000 pounds, installed in parallel.

Operation of the carbon VES is currently conducted in accordance with SCAQMD Permit to Operate G12863, A/N 518989 issued on April 15, 2011. This permit was modified under A/N 568793 and a Permit to Construct was issued on March 6, 2015 to additionally allow for above ground soil treatment activities at the Site which were completed in March 2017 (see Section 1.2.5 for further details).

System operational data is summarized in Tables 3A through 3C. Active SVE wells associated with the system are identified in Section 3.2 and Table 4.

1.2.3.2 Thermal Oxidizer Vapor Extraction System

A temporary thermal oxidizer VES began operation on January 8, 2018. The temporary thermal oxidizer VES was intended to treat vapors associated with the relatively high concentration SVE wells that were originally tied into the carbon VES, as discussed in SGI-Apex's May 15, 2018 *Remediation Status Report - First Quarter 2018.* These high concentration SVE wells were connected to the carbon VES in late June and early August 2017. Additional wells in the southern area of the Site (RW-34 through RW-50) were brought online to the temporary thermal oxidizer VES in June 2018. The system was shut down on January 8, 2019 to comply with the SCAQMD Various Locations Permit F97121 which limited the operational period to one calendar year.

The permanent full-scale thermal oxidizer VES was installed and tested shortly after the temporary VES was shut down in March 2019. The gas meter was installed in mid-February 2019, and the natural gas line was activated on February 26, 2019. The system manufacturer's service technicians (Baker Furnace) conducted the initial system equipment testing on March 4, 2019 and system startup began on March 13, 2019.

The thermal oxidizer VES operated this quarter in catalytic mode. Upon installation of a new catalytic cell on March 26, 2021, soil vapors from the thermal oxidizer VES knockout tank are heated to a minimum temperature of 750°F prior to atmospheric discharge. Operation of the thermal oxidizer VES is conducted in accordance with SCAQMD Permit to Construct/Operate G52288, A/N 602424. The SCAQMD Rule 1166 notification form for SVE system startup was provided to SCAQMD on March 13, 2019. System operational data is summarized in Tables 5A through 5C. Active SVE wells associated with the thermal oxidizer systems are identified in Section 3.2 and Table 6.

1.2.4 LNAPL Removal

LNAPL removal at the Site is accomplished via both physical and automated processes. Select wells are gauged for floating product approximately once every two weeks, and product removal is conducted via manually bailing, active pumping using a portable product skimmer, and/or by utilizing absorbent socks installed based on the measured LNAPL thickness in each target well.

An automated product recovery system connected to wells located in the central area of the Site has also operated since August 2016. LNAPL removal wells are identified in Sections 3.3 and 3.4 and Tables 7A through 7W. A map showing the distribution of floating product on groundwater as recorded during the second semiannual 2021 monitoring event is presented in Figure 3.

1.2.5 Above Ground Soil Treatment

Per SGI-Apex's May 1, 2015 *Remediation Status Report - First Quarter 2015*, the excavation of impacted vadose zone soils at the Site began during January 2015. Treatment was achieved via the construction of soil biopiles that were connected to the carbon VES for SCAQMD permit compliance purposes. Biopile operations, maintenance and monitoring (OM&M) continued until March 20, 2017

after a final phase of limited additional cross-trenching and excavation work with the remaining treatment cells being subsequently disconnected and brought online April 24, 2015 following the completion of above ground treatment cell construction activities.

From January 2015 through March 2017, a total estimated volume of 67,574 cubic yards of petroleum hydrocarbon contaminated soil was excavated at the Site to depths up to 35 feet below ground surface. The goal of this remediation was to clean up source area soils that contributed to the degradation of groundwater and ready the real property of the Site for eventual conveyance. Details associated with the OM&M of the biopiles are provided in prior remediation status reports. Further details regarding treatment cell construction and excavated soil cleanup activities are provided in SGI-Apex's January 2018 *Shallow Soil Closure Report* and September 2018 *Addendum to the Shallow Soil Closure Report – Western Portion.* The LARWQCB granted a no further action (NFA) determination for the shallow soil in the upper 10 feet of the Site's eastern 15-acre parcel on April 19, 2018. The NFA determination was contingent upon declaration of covenant and environmental restriction, which was recorded on September 27, 2018. Regulatory closure of shallow soil in the western part of the Site is pending.

1.2.6 Soil Management

The LARWQCB previously approved the March 8, 2012 *Onsite Soil Management Plan* prepared and amended by Parsons Corporation (May 2012 *Response to April 10, 2012 RWQCB Comments on Onsite Soil Management Plan*). Both documents and the LARWQCB approval (February 26, 2014) specified the number of samples and analytical requirements. Soil generated from trenching and drilling operations at the Site was tested according to that approved soil management plan protocol.

2.0 OPERATIONS, MAINTENANCE AND MONITORING

OM&M of the remediation systems included the following tasks:

- Performed minimum weekly maintenance and monitoring of the GWETS, carbon VES, thermal oxidizer VES, LNAPL Recovery, and the biosparge system.
- Collected and analyzed influent and effluent vapor samples from the carbon VES and thermal oxidizer VES.
- Collected and analyzed influent and effluent groundwater samples from the GWETS.
- Performed weekly LNAPL removal from applicable wells via bailing, skimming and/or absorbent socks.
- Performed periodic gauging of wells connected to the product recovery system, along with adjusting associated pump cycle durations and frequencies to optimize LNAPL removal.
- Continued extraction efforts from wells with LNAPL and monitored for thicknesses of LNAPL sufficient to resume pumping in off-line wells.

Remediation system inspections were performed on a regular basis during operation. For these inspections, vapor flow rate, vacuum, volumes of extracted product, hours of operation, and other system parameters were recorded.

2.1 Groundwater Extraction and Treatment System

The GWETS was restarted on October 10, 2019. GWE wells pumping to the GWETS this quarter were GW-14R, GWM-31 and GW-16. System OM&M details and monthly performance results are summarized in Tables 2A, 2B and 2C.

A historical summary of influent water analytical sample results is provided in Table 8. Per the new sewer discharge permit, sampling is conducted semiannually and quarterly (chemical oxygen demand [COD] and suspended solids [SS] only) since January 1, 2020.

Wells GMW-31 and GW-14R, which have had no measurable LNAPL since December 2019, were connected to the GWETS on March 11, 2020 and began operation May 14, 2020 and May 18, 2020, respectively.

2.2 Soil Vapor Extraction Systems

The carbon VES system was restarted on November 21, 2019 upon installation of a new blower. System OM&M details and performance results are summarized in Tables 3A, 3B and 3C. Historical field photoionization detector (PID) readings from individual wells are summarized in Tables 9A through 9D; historical analytical vapor sampling results from individual wells are summarized in Table 10.

A temporary thermal oxidizer VES operated from January 8, 2018. The system was shut down on January 8, 2019 to comply with the SCAQMD Various Locations Permit which limited the operational period to one calendar year.

A permanent thermal oxidizer VES was installed and startup was conducted on March 13, 2019. System operational hours were limited to daytime hours from July to mid-August due to ongoing noise concerns from nearby residents. Sound blankets were installed in August and the thermal oxidizer began unrestricted operation (24/7) on August 26, 2019. The thermal oxidizer is intended to treat vapors associated with the relatively high concentration SVE wells that were originally tied into the carbon VES, as discussed in SGI-Apex's May 15, 2018 *Remediation Status Report - First Quarter 2018.* All such wells that have since been installed and connected as part of ongoing remediation expansion activities at the Site have been tied into the thermal oxidizer to cost-effectively accelerate the overall remediation project. Compliance and/or performance soil vapor samples from the carbon and thermal oxidizer VESs were collected in Tedlar bags during the reporting period as summarized in Tables 4 and 6. All vapor samples were delivered to Environmental Laboratory Accreditation Program (ELAP) accredited American Analytics for analysis.

The vapor samples were analyzed for the following:

- Total petroleum hydrocarbons quantified as gasoline (TPHg) using United States Environmental Protection Agency (EPA) Method 8015 Modified; and
- BTEX and MTBE using EPA Method 8260B.

Historical summaries of influent vapor analytical sampling results for the carbon VES and thermal oxidizer VES are provided in Tables 4 and 6, respectively. The laboratory analytical reports and chain-of-custody documents for the thermal oxidizer and carbon VES samples are included in Appendix A. As the Table 6 results indicate, thermal oxidizer VES concentrations decreased allowing for the installation of the catalytic cell on March 26, 2021. Maximum gasoline range organic (GRO), benzene and MTBE concentrations this period are 2,600 micrograms per liter (µg/L), 3.4 µg/L and non-detect (ND) <1.0 µg/L, respectively. Maximum historic levels for these constituents were previously 14,000 µg/L for GRO (October/December 2019) and 21 µg/L for benzene (August 2019). MTBE has never been detected.

2.3 Biosparge System

The biosparge wells associated with the original system are located throughout the central and eastern areas of the Site. As summarized on Table 1, several of these wells were abandoned to allow for the excavation of impacted soil from the area at or surrounding each respective well (see Sections 1.2.5 and 1.2.6) or were confirmed to be missing/destroyed during September 2016 field reconnaissance work.

Dual-nested SVE and biosparge wells RW-1 through RW-34 were installed during late June and early July 2017 with additional wells, RW-35 through RW-50 and TFB-1 through TFB-38, installed during November and December 2017 (Table 1). All of these wells were installed as part of ongoing remedial expansion activities to target impacts in the eastern area, central area, and southern area

of the Site (Figure 2) in accordance with SGI-Apex's March 14, 2017 *Well Replacement Report and Work Plan,* June 30, 2017 *Remediation Well Installation Update Report,* and July 11, 2018 *Well Installation Completion Report.*

Conveyance piping installation activities concluded in October 2018, and the system equipment assembly was completed in early December 2018. System equipment shakedown testing was conducted in mid-December 2018, and preliminary system startup occurred during the week of December 24, 2018. System operation resumed in early 2019. Biosparge operations conducted during this quarter continued in the central area, the eastern area, and the southern area wells. Biosparge system OM&M details during this quarter are provided in Tables 11A through 11C.

2.4 LNAPL Removal Via Bailing, Skimming and Absorbent Socks

Depth to product (DTP) and depth to groundwater (DTW) were measured to the nearest 0.01 foot from the top of the well casing (TOC) using an interface probe in select monitoring wells approximately every two weeks during the reporting period. LNAPL was removed from select wells via manual bailing, active pumping using a portable product skimmer and by utilizing absorbent socks. Mass and volume removal estimates using these techniques are summarized in Tables 7A and 7B along with associated LNAPL gauging results. All product is placed in an AST located within the existing treatment compound.

2.5 LNAPL Removal Via Product Recovery System

The permitting and installation of the product recovery system was completed on August 8, 2016 at which time full-scale operations commenced. At that time, the system consisted of six pneumatically activated product removal pumps deployed in key wells located in the central area of the Site. Two additional pumps were procured during October 2017 in response to increasing LNAPL thickness trends from the prior quarter. In early October 2018, an additional eight product removal pumps were brought online, expanding the system capacity to allow operation of up to 16 product removal pumps simultaneously.

All pumped product is routed to an AST located within the existing treatment compound via double contained conveyance piping. The product stored in the AST is subsequently removed off-site by a licensed transport, recycling and disposal company (Appendix B). LNAPL removal is determined individually for active wells with product removal pumps based on interpolating the total volume of product collected in the AST during a given quarter and periodically measuring the volume of LNAPL recovered per cycle for each pump. A portion of the total AST product volume is assigned to each active pump based on well-specific cycle duration and frequency values which are programmed on the basis of current gauging and yield data. Product recovery system OM&M continued through the current quarter with limited operation due to the decrease in LNAPL in wells. OM&M details for all wells connected to the product recovery system during this quarter are provided in Tables 7E through 7W.

3.0 SUMMARY OF REMEDIATION PROGRESS

The following sections describe remedial progress at the Site.

3.1 Groundwater Extraction and Treatment System

The GWETS was restarted on October 10, 2019. Based on the total petroleum hydrocarbons quantified as diesel (TPHd) results for influent water samples and total groundwater extracted, an estimated 9,955 pounds of TPHd have been removed since April 1996 (Table 2C).

3.2 Soil Vapor Extraction Systems

The carbon VES system was restarted on November 21, 2019 upon installation of a new blower. Wells HW-1, HW-5, HW-7 and newly installed HW-8 and HW-9 are connected to the carbon VES system. Well HW-3 remained off-line after it was first determined to be yielding minimal flow during July 2017, and subsequently scoped and confirmed to be collapsed in two separate locations during November 2017. Flow and mass extraction testing were conducted on well HW-3 in December 2018, and results indicated very low vapor concentrations and minimal flow rate. The well was abandoned on June 7, 2019 and replaced with two new horizontal wells, HW-8 and HW-9. These two new wells were connected to the carbon VES in July 2019 (Table 9A).

Based on field photoionization detector (PID) readings (Tables 9B through 9D) and previous quarters laboratory concentrations (Table 10), the catalytic cell for the thermal oxidizer VES was installed on March 26, 2021. Wells in the southern area were connected to the carbon VES system on March 19, 2021.

The total mass of VOCs removed via the carbon and the thermal oxidizer extraction systems during this period was approximately 14,901 pounds (595 pounds via the carbon VES and 14,306 pounds via the thermal oxidizer VES). An estimated 2,986,503 pounds have been removed since April 1996 (Table 3C) via the carbon VES and approximately 331,856 pounds removed via the temporary and permanent thermal oxidizer VESs since January 2018 (Table 5C). Note that the total estimated mass of VOCs removed via SVE does not account for any mass removed *in-situ* via biodegradation.

3.3 Biosparge System

Recommissioning of the biosparge system was completed during Fourth Quarter 2018, and system startup operations began in late December in the central area wells BSP-21 through BSP-24, BSP-27, BSP-25, BSP-26, BSP-28 through BSP-30; operations began in mid-April 2019 in the eastern area wells BSP-10 thru BSP-14, RW-4, RW-5, RW-9, RW-10, RW-11, RW-14, RW-18. On August 23, 2019, sparging operations were phased into the southern area wells BSP-19, BSP-20, RW-21, RW-23, RW-26, BSP-17, BSP-18, RW-30, RW-31, RW-32, RW-34, BSP-15, BSP-16, RW-19, RW-20, RW-25, and RW-28. Additional southern area wells RW-22, RW-24, RW-27, RW-29, RW-33, RW-43, RW-35, RW-38, RW-39, RW-45, RW-36, RW-37, RW-41, RW-42, RW-46, RW-47, RW-48, RW-49, and RW-50 were brought online on September 20, 2019. Additional eastern area

wells RW-1, RW-3, RW-12, and RW-13 were brought online on November 15, 2019; and RW-2, RW-7, RW-8, RW-6, RW-15, RW-16, and RW-17 were brought online on April 16, 2020. Additional central area wells TFB-7, TFB-9, TFB-10, TFB-11, TFB-12, TFB-13, TFB-14, TFB-1, TFB-2, TFB-4, TFB-5, TFB-6, and TFB-8 were brought online on November 18, 2019.

Central area wells TFB-21, TFB-26, TFB-27, TFB-28, TFB-31, TFB-34, TFB-16, TFB-17, TFB-20, TFB-32, TFB-36, TFB-37, and TFB-38 continue to target areas where the LNAPL plume has receded. Startup of additional inactive biosparge wells will be evaluated based on LNAPL plume trends and monitoring data collected as part of ongoing system optimization efforts.

3.4 LNAPL Gauging and Removal

During the reporting period, DTW and DTP were measured in Hollifield Park wells GMW-62, GMW-68, and on-site wells TFR-22 and TFR-29 (Tables 7A, 7B, 7N and 7P).

A total of approximately 29 gallons (200 pounds) of LNAPL was removed from the Site during this quarter, and an estimated 10,442 gallons (70,545 pounds) of LNAPL has been removed since January 2014.

3.4.1 LNAPL Removal Via Bailing, Skimming and Absorbent Socks

Approximately 1.2 gallons (8.5 pounds) of LNAPL was removed via manual bailing, active pumping using a portable product skimmer and/or by utilizing absorbent socks from well GMW-68 during this reporting period (Table 7B).

3.4.2 LNAPL Removal Via Product Recovery System

Wells TFR-9, GMW-18, TFR-12, TFR-14, TF-15, TFR-15, TF-16, GW-14R, TFR-22, TFR-24, TFR-29, and TFR-33, RTF-18-E, RTF-18-NW, RTF-18-N, TF-18, RTF-18-NNW and RTF-18-W were connected to an automated product recovery system which included 16 total active recovery pumps. Pumping resumed in well RTF-18-E in early January 2019 and was taken back off-line in late February 2019 due to insufficient yield. Pumping resumed in September 2019 and shut down again in mid-February 2020 due to insufficient yield. Well RTF-18-NNW has remained off-line due to insufficient yield since March 2018. Based on low LNAPL yields during initial testing from wells TFR-27, and GMW-45 conducted in early October 2018, skimmers have remained off-line since mid-October 2018. If LNAPL thicknesses increase, pumping may resume from these wells during the next reporting period.

Approximately 28 gallons (192 pounds) of LNAPL was pumped from wells TFR-22 and TFR-29 during this reporting period (Tables 7N and 7P).

LNAPL gauging results along with cumulative mass and volume removal estimates are summarized in Tables 7E through 7W. As the tables indicate, product thicknesses generally decreased during the current reporting period.

4.0 REMEDIATION SYSTEMS EVALUATION AND OPTIMIZATION

Remedial system optimization activities are ongoing at the Site to help ensure effective cleanup operations. For the carbon VES, vapor-phase VOC concentrations from the horizontal wells will be monitored and sampled. Continuous thermal oxidizer VES operation began on August 26, 2019 after the installation of sound blankets.

Reconfiguration of the respective vapor extraction systems will be conducted regularly to allow for cost-effective site-wide cleanup. Thus, as concentration levels in one or more currently high concentration wells decline to the point where carbon treatment becomes feasible, the well(s) will be progressively disconnected from the thermal oxidizer VES and tied into the carbon VES.

SGI-Apex will continue to monitor individual well influent vapor concentrations associated with each existing VES and modify which extraction wells are online along with adjusting respective valve positions, as necessary.

Per the non-detect, stable, or declining dissolved groundwater analytical data from off-site wells (as illustrated in previous semiannual groundwater monitoring reports) and from the previous aquifer pump testing and groundwater capture zone analysis, the current GWETS with wells in the eastern area, along with natural attenuation, has been successful in preventing further impacted groundwater from flowing off-site, and has captured and treated a significant portion of impacted groundwater under Holifield Park.

GWE in the central area from wells GMW-31 and GW-14R and in the eastern area from well GW-16 will continue to assist with containment until further evaluation of natural attenuation is conducted. Additionally, absorbent sock installation and LNAPL recovery via pumping and/or manual bailing will continue along with full-scale OM&M of the product recovery system. Currently, wells TFR-22 and TFR-29 are the only active pumping wells.

Up-to-date gauging data will continue to be collected during the next reporting period with rotating recovery operations being implemented on the basis of ongoing performance data. If warranted by the data, pumping will also resume in any locations where it was previously conducted.

For all active pumping wells, adjustments will continue to be made to the associated extraction frequency and duration of each pump cycle to help maximize LNAPL yields without isolating the well from the product plume. Future adjustments to all such wells may also be made on the basis of periodic bail down testing conducted to establish current transmissivity values for correlating apparent to actual product thicknesses.

Biosparging operations will continue to run in the new trunkline configuration and adjusted run time schedule during the First Quarter 2022. Biosparge operations will continue to be optimized to enhance volatilization and biodegradation in impacted areas and will expand to target areas where the LNAPL plume has receded. Periodic collection of pressure response and field parameters data from monitoring wells within the treatment zone will be used to optimize operations and confirm the biosparging zone of influence.

During the Third Quarter 2021, evaluation of the Eastern 15-acre parcel was conducted to identify remaining high concentration impacted areas in preparation for land development by the City of Norwalk. During the current reporting period, the survey was expanded to the central and southern areas to confirm system optimization and zone of influence. A detailed summary of the site-wide biosparge influence evaluation survey including figures, evaluation results, historical analytical data, and hydrocarbon trend graphs for relevant wells is included in Appendix C.

In general, the biosparge influence testing results are consistent with the system optimization testing performed in 2017 (SGI, 2017[1]). Pressure responses suggest a radius of influence of between 25 to 35 feet, likely dependent on lithologic conditions in the vicinity of each biosparge well. Specific recommendations from the biosparge system evaluation include the following:

- Operational changes are recommended for the biosparge wells in the vicinity of nine monitoring wells with stable or increasing concentration trends and limited pressure responses, which would include increased injection air flowrates and changes to the biosparge cycling configuration. Followup testing would be performed to confirm improved influence at each monitoring well.
- Twelve monitoring wells were identified that are generally located greater 35 feet from the closest biosparge well with poor biosparge influence and stable/increasing concentrations. Apex recommends evaluating whether additional biosparge treatment wells are needed to achieve site cleanup goals in these areas.
- Further evaluation of the dissolved TPH plume dynamics and biosparge treatment efficacy is recommended in the western area near wells MW-27, TF-9R, and GMW-41 where TPH concentrations are increasing.
- To determine the cause of the injection head loss observed at several biosparge wellheads and in Trunklines 2, 7, and 10, further investigation and proposed resolutions are warranted.

[1] SGI, 2017. *System Optimization Testing Summary, Defense Fuel Support Point Norwalk*. October 11.

5.0 PLANNED FIRST QUARTER 2022 ACTIVITIES

During the next reporting period, DLA plans to continue to focus in-situ remedial efforts on the central area, eastern area, and southern area of the Site. Following is a summary of planned First Quarter 2022 OM&M activities:

- Continue minimum weekly maintenance and monitoring of the thermal oxidizer VES. Tasks include measuring individual well vapor concentrations with an organic vapor analyzer (OVA) and collecting/analyzing monthly influent and effluent vapor samples.
- Collect individual extraction well vapor samples for laboratory analysis as needed. Vapor samples will be collected from horizontal wells and extraction wells.
- Continue regular LNAPL gauging and removal activities (as applicable), including wells GWM-62 and GMW-68 (both located off-site in Holifield Park), GMW-7, TF-19, and product recovery system wells TFR-9, GMW-18, TFR-12, TF-15, TFR-14, TFR-15, TF-16, GW-14R, TFR-18, TFR-22, TFR-24, TFR-29, TFR-33, RTF-18-E, RTF-18-NW, RTF-18-N, RTF-18-NNW, RTF-18-W, TF-18, TFR-27, and GMW-45.
- Gauge wells TFR-17, TFR-19, TFR-32, TFR-30, TFR-5, TFR-7, TFR-21, and TFR-26 periodically as SVE is applied (via the thermal oxidizer VES) in order to evaluate any appearance and/or increase in LNAPL thicknesses and the potential for active/passive product recovery.
- Continue controlled product recovery system OM&M from wells TFR-22 and TFR-29, located in the central area of the Site.
- Continue to utilize the carbon VES for focused extraction from the relatively low concentration SVE wells to allow for reasonable carbon usage rates while achieving comprehensive site-wide vadose zone cleanup in conjunction with the new permanent thermal oxidizer VES (i.e., treatment of both relatively high and low concentration wells via the simultaneous use of both vapor abatement technologies).
- Continue the permanent thermal oxidizer VES operations to cost-effectively process moderate vapor concentration (catalytic mode from approximately 500 ppm to 3,000 ppm) well flows, with any remaining low concentration (less than approximately 500 ppm) well flows being more cost-effectively treated via the existing carbon VES .
- Continue to evaluate influent vapor concentrations to the thermal oxidizer VES after installation of the catalytic cell.
- Evaluate converting low concentration HW wells to biovent wells for bioremediation.
- Continue minimum weekly maintenance and monitoring of the GWETS operations and collect groundwater samples for laboratory analysis as required by the sewer discharge permit.

- Continue to evaluate GWE flow rates and confirm contaminant containment.
- Evaluate installation of additional horizontal treatment wells (vapor extraction and biosparge) in the Eastern 15-acre parcel to target the remaining high concentration impacted areas in preparation for land development by the City of Norwalk.

Ongoing remediation activities and progress will be described in the *First Quarter 2022 Remediation Progress Report* to be submitted by May 15, 2022.

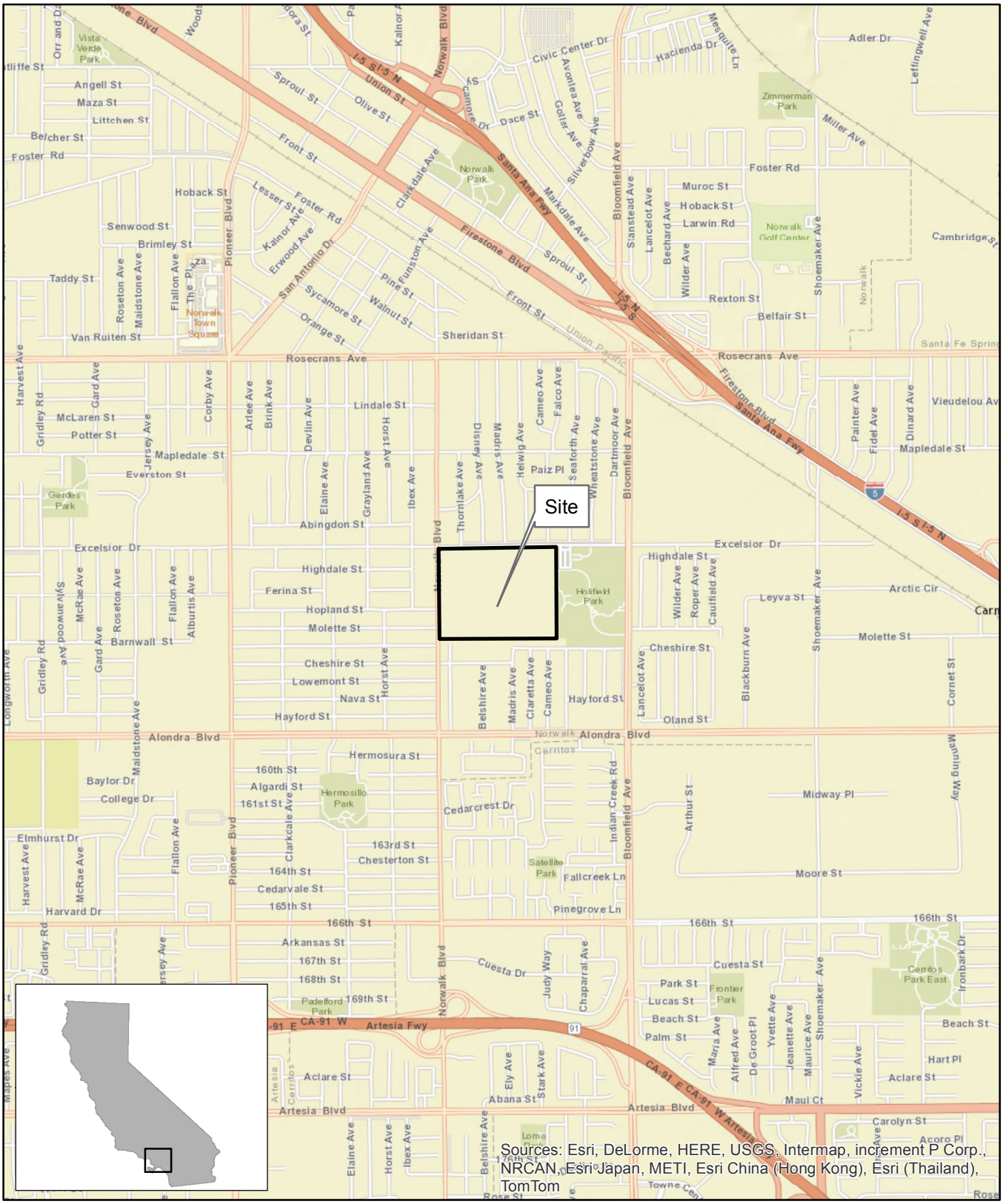
6.0 LIMITATIONS

This document was prepared for the exclusive use of the DLA and the LARWQCB for the express purpose of complying with a client or regulatory directive for environmental investigation or restoration. SGI-Apex and DLA must approve any re-use of this work product in whole or in part for a different purpose or by others in writing. If any such unauthorized use occurs, it shall be at the user's sole risk without liability to SGI-Apex or DLA.

To the extent that this report is based on information provided to SGI-Apex by third parties, including DLA, their direct contractors, previous personnel, and other stakeholders, SGI-Apex cannot guarantee the completeness or accuracy of this information, even where efforts were made to verify third-party information. SGI-Apex has exercised professional judgment to collect and present findings and opinions of a scientific and technical nature. The opinions expressed are based on the conditions of the Site existing at the time of the field investigation, current regulatory requirements, and any specified assumptions.

The presented findings and recommendations in this report are intended to be taken in their entirety to assist DLA and LARWQCB personnel in applying their own professional judgment in making decisions related to the property. SGI-Apex cannot provide conclusions on environmental conditions outside the completed scope of work. SGI-Apex cannot guarantee that future conditions will not change and affect the validity of the presented conclusions and recommended work. No warranty or guarantee, whether expressed or implied, is made with respect to the data or the reported findings, observations, conclusions, and recommendations.

FIGURES



SOURCE: ESRI 7.5 MINUTE TOPOGRAPHIC MAP. http://resources.esri.com/arcgisonlineservices	PROJECT NO.: 04-NDLA-003	DATE: 5/28/2014	DR.BY: JK	APP.BY: PP	SCALE= 1:24,000 (0 1,000 2,000 4,000 Feet)	N

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

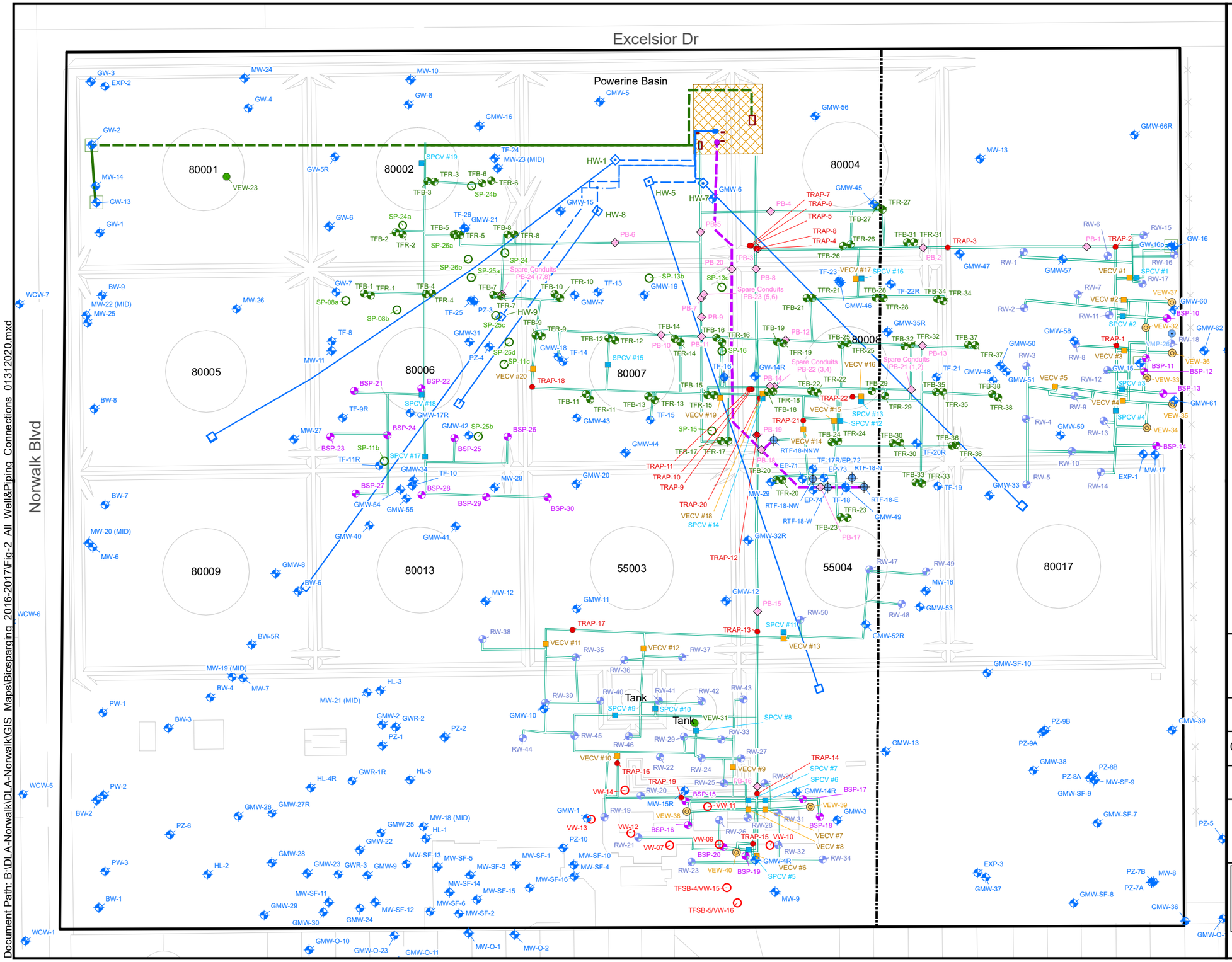
DEFENSE FUEL SUPPORT POINT NORWALK

15306 NORWALK BOULEVARD
NORWALK, CALIFORNIA

SITE LOCATION MAP

FIGURE **1**

Document Name: Fig-1_Norwalk_Site_Location_Map



Legend

- Former Above Ground Storage Tanks
- DFSP Norwalk Border
- Fence
- Berm
- Treatment System Enclosure
- Below Grade Trenching and Piping to Remediation Wells
- Existing Horizontal Vapor Extraction Wells
- Below Grade Groundwater Extraction System Piping
- Above Grade Groundwater Extraction System Piping
- Product Recovery System Piping
- Horizontal Vapor Extraction System Piping
- Western Boundary of Eastern 15-Acre Parcel
- System Manifold within Treatment Enclosure
- Total Fluid and Groundwater Monitoring Wells
- TF-18 Area LNAPL Recovery Wells
- Biosparging Wells
- Vapor Extraction Wells (November 2016)
- Biosparging and Vapor Extraction Wells
- Co-Located Total Fluid and Biosparge Wells
- Vapor Extraction Wells (2004)
- Sparging Points (August 2004)
- Pull Box (for Wire or Tubing)
- PVC Condensate Trap for Vapor Extraction Piping
- Vapor Extraction System Control Vaults
- Biosparge System Control Vaults

N

DFSP Norwalk
15306 Norwalk Boulevard
Norwalk, California

Project Number:	Date:	Drawn By:	Approved By:
091-NDLA-026	01/15/2019	PW / SM	BT

0 70 140 280 Feet

Site Map Showing All Well and Piping Locations

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1962 Freeman Avenue Signal Hill, CA 90755
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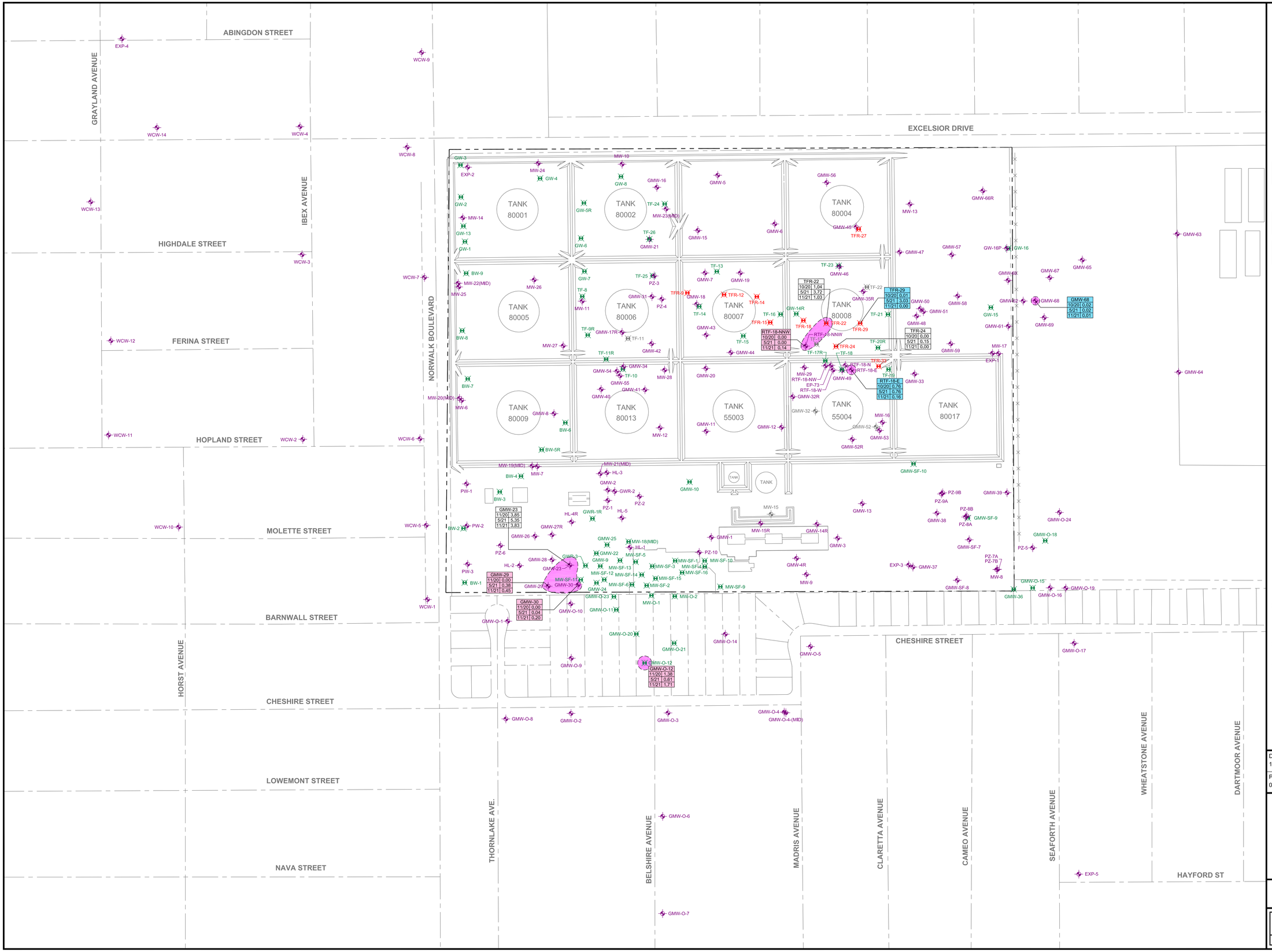
Figure 2



EXPLANATION:

- FORMER ABOVEGROUND STORAGE TANKS
- DFSP NORWALK BORDER
- WCW-14 — GROUNDWATER MONITORING WELL
- TFR-33 — TOTAL FLUIDS RECOVERY WELL
- GMW-14 — WELLS SHOWN IN GREY WERE DECOMMISSIONED BY DLA ENERGY PRIOR TO REMEDIAL EXCAVATION
- TF-26 — EXTRACTION WELL USED FOR VAPOR, GROUNDWATER, TOTAL FLUIDS, OR FLOATING PRODUCT EXTRACTION
- GMW-23 (11/20 3,85; 5/21 5,35; 11/21 3,83) — MEASURED PRODUCT THICKNESS IN FEET FOR THE THREE MOST RECENT SEMIANNUAL EVENTS; WHERE THE DATABOX IS SHOWN IN WHITE, THE MEASURED THICKNESS HAS REMAINED SIMILAR (CHANGE IS LESS THAN 10%) AT THAT LOCATION SINCE THE FALL 2020 SEMIANNUAL MONITORING EVENT, OR THE DATASET SHOWN DOES NOT PROVIDE A BASIS FOR COMPARISON
- GMW-30 (11/20 0,00; 5/21 0,04; 11/21 0,20) — WHERE THE DATABOX IS SHOWN IN RED, THE MEASURED PRODUCT THICKNESS HAS INCREASED BY 10% OR MORE AT THAT LOCATION SINCE THE FALL 2020 SEMIANNUAL MONITORING EVENT
- RTF-18-E (10/20 0,76; 5/21 0,76; 11/21 0,16) — WHERE THE DATABOX IS SHOWN IN BLUE, THE MEASURED PRODUCT THICKNESS HAS DECREASED BY 10% OR MORE AT THAT LOCATION SINCE THE FALL 2020 SEMIANNUAL MONITORING EVENT
- ESTIMATED EXTENT OF MEASURABLE LIGHT NONAQUEOUS PHASE LIQUID (LNAPL, FLOATING PRODUCT) ON GROUNDWATER

SURVEY NOTES:

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

0 120 240
APPROXIMATE SCALE IN FEET

DATE:	FILE NAME:
12/2021	DFSP-Norwalk-SE2-21.dwg
PROJECT No.: 091-NOR-001	CONTRACT: SPO-600-14-D-5410

DISTRIBUTION OF FLOATING PRODUCT ON GROUNDWATER SECOND SEMIANNUAL 2021 MONITORING EVENT

DFSP NORWALK
15306 NORWALK BOULEVARD
NORWALK, CALIFORNIA

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FIGURE 3

TABLES

TABLE 1
Remediation Well Summary
DFSP Norwalk
15306 Norwalk Blvd., Norwalk, CA

Remediation Area	Location	Well	Notes	Installation Date	Casing Elevation (ft msl)	Total Depth (ft bgs)	Screen Interval (ft bgs)	Remediation Well Function
Central Area	Northwest Corner (AST 80001)	GW-1		06/12/95	75.97	63	25 - 60	GWE
		GW-2		06/12/95	75.78	63	25 - 60	GWE
		GW-3		06/13/95	75.79	63	25 - 60	GWE
		GW-4		06/12/95	75.78	63	25 - 60	GWE
		GW-13		04/26/07	76.85	67	25 - 65	GWE
		VEW-23		08/03/04	76.20	25	15 - 25	SVE
Central Area	North (AST 80002, AST 80004, AST 80006, AST 80007, AST 80008, AST 80001, AST 55004)	VEW-22	16	--	--	25	15 - 25	SVE
		HW-1	14	--	--	25	Continuous	SVE
		HW-3	14, 17,18	--	--	25	Continuous	SVE
		HW-5	14	--	--	25	Continuous	SVE
		HW-7	14	--	--	25	Continuous	SVE
		HW-8	19	06/07/19	--	30	60	SVE
		HW-9	19	06/07/19	--	29	220	SVE
		GMW-21	1	08/02/91	76.23	50	25 - 50	TFE/GWE
		GMW-31		06/02/93	76.50	65	25 - 50	GWE
		GW-14R	2	11/08/16	78.77	50	25 - 50	GWE
		SP8a	15	--	--	50	48 - 50	Biosparge
		SP-8b	15	--	--	50	48 - 50	Biosparge
		SP-11b	15	--	--	50	48 - 50	Biosparge
		SP-11c	15	--	--	50	48 - 50	Biosparge
		SP-13b	3,15	--	--	50	48 - 50	Biosparge
		SP-13c	15	--	--	50	48 - 50	Biosparge
		SP-15	4, 15	--	--	50	48 - 50	Biosparge
		SP-16	15	--	--	50	48 - 50	Biosparge
		SP-24	15	--	--	50	48 - 50	Biosparge
		SP-24a	15	--	--	50	48 - 50	Biosparge
		SP-24b	15	--	--	50	48 - 50	Biosparge
		SP-25a	15	--	--	50	48 - 50	Biosparge
		SP-25b	15	--	--	50	48 - 50	Biosparge
		SP-25c	15	--	--	50	48 - 50	Biosparge
		SP-25d	15	--	--	50	48 - 50	Biosparge
		SP-26	15	--	--	50	48 - 50	Biosparge
		SP-26a	15	--	--	50	48 - 50	Biosparge
		TF-8		09/22/95	74.86	63	25 - 60	TFE, GWE
		TF-9	5	09/22/95	74.47	63	25 - 60	TFE, GWE
		TF-10		09/25/95	73.61	63	25 - 60	TFE, GWE
		TF-11	5	09/25/95	74.40	63	25 - 60	TFE, GWE
		TF-13		09/26/95	75.47	63	25 - 60	TFE, GWE

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Central Area	North (AST 80002, AST 80004, AST 80006, AST 80007, AST 80008, AST 80001, AST 55004)	TF-14		09/27/95	74.35	63	25 - 60	TFE, GWE
		TF-15		09/28/95	74.78	63	25 - 60	TFE, GWE
		TF-16		09/28/95	75.89	63	25 - 60	TFE, GWE
		TF-17	6	09/29/95	74.88	63	25 - 60	TFE, GWE
		TF-18		07/06/94	73.75	50.5	20 - 50	TFE, GWE
		TF-19		10/03/95	75.07	63	25 - 60	TFE, GWE
		TF-20	7	10/03/95	75.08	63	25 - 60	TFE, GWE
		TF-21		09/29/95	74.96	63	25 - 60	TFE, GWE
		TF-22	8	10/02/95	74.76	63	25 - 60	TFE, GWE
Central Area	North (AST 80002, AST 80006, AST 80008, AST 55004)	TF-23		07/05/94	75.31	50.5	20 - 50	TFE, GWE
		TF-24	9	09/26/95	76.43	63	25 - 60	TFE, GWE
		TF-25		04/04/01	74.85	47	26 - 36	TFE, GWE
		TF-26		04/03/01	75.85	47	26 - 36	TFE, GWE
		RTF-18-N		12/28/15	75.17	40	25 - 40	TFE, GWE
		RTF-18-E		12/28/15	75.19	40	25 - 40	TFE, GWE
		RTF-18-W		12/28/15	74.86	40	25 - 40	TFE, GWE
		RTF-18-NW		12/29/15	76.22	40	25 - 40	TFE, GWE
		RTF-18-NNW		12/29/15	76.77	40	25 - 40	TFE, GWE
Central Area	North (AST 80002, AST 80004, AST 80006, AST 80007, AST 80008, AST 80013, AST 55003, AST 55004)	BSP-21	10	12/07/17	--	46	43 - 45	Biosparge
		BSP-22	10	12/07/17	--	46	43 - 45	Biosparge
		BSP-23	10	12/08/17	--	46	43 - 45	Biosparge
		BSP-24	10	12/07/17	--	46	43 - 45	Biosparge
		BSP-25	10	12/08/17	--	46	43 - 45	Biosparge
		BSP-26	10	12/08/17	--	46	43 - 45	Biosparge
		BSP-27	10	12/07/17	--	46	43 - 45	Biosparge
		BSP-28	10	12/07/17	--	46	43 - 45	Biosparge
		BSP-29	10	12/08/17	--	46	43 - 45	Biosparge
		BSP-30	10	12/11/17	--	46	43 - 45	Biosparge
		TFR-1	10	12/13/17	--	40	20 - 40	TFE, SVE
		TFR-2	10	12/12/17	--	40	20 - 40	TFE, SVE
		TFR-3	10	12/12/17	--	40	20 - 40	TFE, SVE
		TFR-4	10	12/13/17	--	40	20 - 40	TFE, SVE
		TFR-5	10	12/12/17	--	40	20 - 40	TFE, SVE
		TFR-6	10	12/12/17	--	40	20 - 40	TFE, SVE
		TFR-7	10	12/13/17	--	40	20 - 40	TFE, SVE
		TFR-8	10	12/12/17	--	40	20 - 40	TFE, SVE
		TFR-9	10	12/13/17	--	40	20 - 40	TFE, SVE
		TFR-10	10	12/11/17	--	40	20 - 40	TFE, SVE

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Central Area	North (AST 80002, AST 80004, AST 80006, AST 80007, AST 80008, AST 80013, AST 55003, AST 55004)	TFR-11	10	12/11/17	--	40	20 - 40	TFE, SVE
		TFR-12	10	12/11/17	--	40	20 - 40	TFE, SVE
		TFR-13	10	12/15/17	--	40	20 - 40	TFE, SVE
		TFR-14	10	12/13/17	--	40	20 - 40	TFE, SVE
		TFR-15	10	12/14/17	--	40	20 - 40	TFE, SVE
		TFR-16	10	12/14/17	--	40	20 - 40	TFE, SVE
		TFR-17	10	12/14/17	--	40	20 - 40	TFE, SVE
		TFR-18	10	12/14/17	--	40	20 - 40	TFE, SVE
		TFR-19	10	12/12/17	--	40	20 - 40	TFE, SVE
		TFR-20	10	12/15/17	--	40	20 - 40	TFE, SVE
		TFR-21	10	12/11/17	--	40	20 - 40	TFE, SVE
		TFR-22	10	11/30/17	--	40	20 - 40	TFE, SVE
		TFR-23	10	11/29/17	--	40	20 - 40	TFE, SVE
		TFR-24	10	11/30/17	--	40	20 - 40	TFE, SVE
		TFR-25	10	11/30/17	--	40	20 - 40	TFE, SVE
		TFR-26	10	11/29/17	--	40	20 - 40	TFE, SVE
		TFR-27	10	11/29/17	--	40	20 - 40	TFE, SVE
		TFR-28	10	11/29/17	--	40	20 - 40	TFE, SVE
		TFR-29	10	11/29/17	--	40	20 - 40	TFE, SVE
		TFR-30	10	11/29/17	--	40	20 - 40	TFE, SVE
		TFR-31	10	11/29/17	--	40	20 - 40	TFE, SVE
		TFR-32	10	11/30/17	--	40	20 - 40	TFE, SVE
		TFR-33	10	11/28/17	--	40	20 - 40	TFE, SVE
		TFR-34	10	11/28/17	--	40	20 - 40	TFE, SVE
		TFR-35	10	11/29/17	--	40	20 - 40	TFE, SVE
		TFB-1	10	12/06/17	--	46	43 - 45	Biosparge
		TFB-2	10	12/05/17	--	46	43 - 45	Biosparge
		TFB-3	10	12/05/17	--	46	43 - 45	Biosparge
		TFB-4	10	12/06/17	--	46	43 - 45	Biosparge
		TFB-5	10	12/06/17	--	46	43 - 45	Biosparge
		TFB-6	10	12/05/17	--	46	43 - 45	Biosparge
		TFB-7	10	12/06/17	--	46	43 - 45	Biosparge
		TFB-8	10	12/05/17	--	46	43 - 45	Biosparge
		TFB-9	10	12/04/17	--	46	43 - 45	Biosparge
		TFB-10	10	12/04/17	--	46	43 - 45	Biosparge
		TFB-11	10	12/04/17	--	50	48 - 50	Biosparge
		TFB-12	10	12/01/17	--	46	43 - 45	Biosparge
		TFB-13	10	12/01/17	--	46	43 - 45	Biosparge

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Central Area	North (AST 80002, AST 80004, AST 80006, AST 80007, AST 80008, AST 80013, AST 55003, AST 55004)	TFB-14	10	11/30/17	--	46	43 - 45	Biosparge
		TFB-15	10	11/27/17	--	46	43 - 45	Biosparge
		TFB-16	10	11/28/17	--	46	43 - 45	Biosparge
		TFB-17	10	11/28/17	--	46	43 - 45	Biosparge
		TFB-18	10	11/27/17	--	46	43 - 45	Biosparge
		TFB-19	10	11/28/17	--	46	43 - 45	Biosparge
		TFB-20	10	11/30/17	--	46	43 - 45	Biosparge
		TFB-21	10	11/27/17	--	46	43 - 45	Biosparge
		TFB-22	10	11/27/17	--	46	43 - 45	Biosparge
		TFB-23	10	11/28/17	--	46	43 - 45	Biosparge
		TFB-24	10	11/27/17	--	46	43 - 45	Biosparge
		TFB-25	10	11/27/17	--	46	43 - 45	Biosparge
		TFB-26	10	11/22/17	--	46	43 - 45	Biosparge
		TFB-27	10	11/21/17	--	46	43 - 45	Biosparge
		TFB-28	10	11/22/17	--	46	43 - 45	Biosparge
		TFB-29	10	11/27/17	--	46	43 - 45	Biosparge
		TFB-30	10	11/27/17	--	46	43 - 45	Biosparge
		TFB-31	10	11/21/17	--	46	43 - 45	Biosparge
		TFB-32	10	11/22/17	--	46	43 - 45	Biosparge
		TFB-33	10	11/27/17	--	46	43 - 45	Biosparge
		TFB-34	10	11/21/17	--	46	43 - 45	Biosparge
		TFB-35	10	11/27/17	--	46	43 - 45	Biosparge
		RW-35	10	11/15/17	--	33 / 46	13 - 33 / 43 - 45	SVE / Biosparge
		RW-36	10	11/15/17	--	33 / 46	13 - 33 / 43 - 45	SVE / Biosparge
		RW-37	10	11/16/17	--	33 / 46	13 - 33 / 43 - 45	SVE / Biosparge
		RW-38	10	11/16/17	--	33 / 47	13 - 33 / 44 - 46	SVE / Biosparge
		RW-47	10	11/17/17	--	33 / 47	13 - 33 / 44 - 46	SVE / Biosparge
		RW-48	10	11/17/17	--	33 / 46	13 - 33 / 43 - 45	SVE / Biosparge
		RW-49	10	11/16/17	--	33 / 46	13 - 33 / 43 - 45	SVE / Biosparge
		RW-50	10	11/20/17	--	33 / 47	13 - 33 / 44 - 46	SVE / Biosparge
Eastern Area	North	BSP-1	11	04/18/07	--	50	47 - 49	Biosparge
		BSP-2	11	04/18/07	--	50	48 - 50	Biosparge
		BSP-3	11	04/17/07	--	48	46 - 48	Biosparge
		BSP-4	11	04/17/07	--	49	47 - 49	Biosparge
		BSP-5	11	04/17/07	--	49.5	47 - 49	Biosparge
		BSP-6	11	04/18/07	--	49	47 - 49	Biosparge
		BSP-7	11	04/19/07	--	48	46 - 48	Biosparge
		BSP-8	11	04/19/07	--	48	46 - 48	Biosparge

TABLE 1
Remediation Well Summary
DFSP Norwalk
15306 Norwalk Blvd., Norwalk, CA

Remediation Area	Location	Well	Notes	Installation Date	Casing Elevation (ft msl)	Total Depth (ft bgs)	Screen Interval (ft bgs)	Remediation Well Function
Eastern Area	North	BSP-9	11	04/19/07	--	48	46 - 48	Biosparge
		BSP-10	12	11/04/16	--	46.5	44 - 46	Biosparge
		BSP-11	12	11/04/16	--	40	38 - 40	Biosparge
		BSP-12	12	11/04/16	--	46.5	44 - 46	Biosparge
		BSP-13	12	11/07/16	--	46.5	44 - 46	Biosparge
		BSP-14	12	11/07/16	--	46.5	44 - 46	Biosparge
		GMW-58		08/14/98	75.48	55	20 - 55	GWE
		GW-15		04/26/07	74.94	60.5	20.5 - 60.6	GWE
		GW-16		07/07/09	76.33	63	20.5 - 60.5	GWE
		RW-1	13	06/21/17	-- / --	35 / 46	15 - 35 / 43 - 45	SVE / Biosparge
		RW-2	13	06/21/17	--	33 / 46	13 - 33 / 43 - 45	SVE / Biosparge
		RW-3	13	06/21/17	--	37 / 46	17 - 37 / 43 - 45	SVE / Biosparge
		RW-4	13	06/22/17	--	34 / 46	14 - 34 / 43 - 45	SVE / Biosparge
		RW-5	13	06/22/17	--	34 / 46	14 - 34 / 43 - 45	SVE / Biosparge
		RW-6	13	06/27/17	--	37 / 46	17 - 37 / 43 - 45	SVE / Biosparge
		RW-7	13	06/26/17	--	37 / 46	17 - 37 / 43 - 45	SVE / Biosparge
		RW-8	13	06/28/17	--	38.5 / 46	18.5 - 38.5 / 43 - 45	SVE / Biosparge
		RW-9	13	06/26/17	--	35 / 46	15 - 35 / 43 - 45	SVE / Biosparge
		RW-10	13	06/22/17	--	34 / 46	14 - 34 / 43 - 45	SVE / Biosparge
		RW-11	13	06/26/17	--	36 / 46	16 - 36 / 43 - 45	SVE / Biosparge
		RW-12	13	06/23/17	--	34 / 46	14 - 34 / 43 - 45	SVE / Biosparge
		RW-13	13	06/23/17	--	35 / 46	15 - 35 / 43 - 45	SVE / Biosparge
		RW-14	13	06/23/17	--	34 / 46	14 - 34 / 43 - 45	SVE / Biosparge
		RW-15	13	06/20/17	--	38 / 46	18 - 38 / 43 - 45	SVE / Biosparge
		RW-16	13	06/20/17	--	34 / 46	14 - 34 / 43 - 45	SVE / Biosparge
		RW-17	13	06/27/17	--	39 / 46	19 - 39 / 43 - 45	SVE / Biosparge
		RW-18	13	06/20/17	--	38 / 46	18 - 38 / 43 - 45	SVE / Biosparge
		SP-21a	3, 15	--	--	50	48 - 50	Biosparge
		SP-21b	3, 15	--	--	50	48 - 50	Biosparge
		VEW-32		04/11/07	--	25	10 - 25	SVE
		VEW-33		04/11/07	--	25	10 - 25	SVE
		VEW-34		04/11/07	--	25	10 - 25	SVE
		VEW-35		04/10/07	--	25	10 - 25	SVE
		VEW-36		04/10/07	--	25	10 - 25	SVE
		VEW-37		40/10/07	--	25	10 - 25	SVE
		TFR-36	10	11/30/17	--	40	20 - 40	TFE, SVE
		TFR-37	10	11/28/17	--	40	20 - 40	TFE, SVE
		TFR-38	10	11/28/17	--	40	20 - 40	TFE, SVE

TABLE 1
Remediation Well Summary
DFSP Norwalk
15306 Norwalk Blvd., Norwalk, CA

Remediation Area	Location	Well	Notes	Installation Date	Casing Elevation (ft msl)	Total Depth (ft bgs)	Screen Interval (ft bgs)	Remediation Well Function
Eastern Area	North	TFB-36	10	11/20/17	--	46	43 - 45	Biosparge
		TFB-37	10	11/21/17	--	46	43 - 45	Biosparge
		TFB-38	10	11/20/17	--	46	43 - 45	Biosparge
Southern Area	Former Truck Fueling Area and Adjacent Water Tank Area	BSP-15	12	11/02/16	--	50.5	48 - 50	Biosparge
		BSP-16	12	11/03/16	--	50.5	48 - 50	Biosparge
		BSP-17	12	11/03/16	--	50.5	48 - 50	Biosparge
		BSP-18	12	11/03/16	--	50.5	48 - 50	Biosparge
		BSP-19	12	11/02/16	--	50.5	48 - 50	Biosparge
		BSP-20	12	11/01/16	--	50.5	48 - 50	Biosparge
		RW-19	13	06/30/17	--	33 / 46	13 - 33 / 43 - 45	SVE / Biosparge
		RW-20	13	06/29/17	--	33 / 46	13 - 33 / 43 - 45	SVE / Biosparge
		RW-21	13	06/30/17	--	33 / 46	13 - 33 / 43 - 45	SVE / Biosparge
		RW-22	13	06/28/17	--	33 / 46	13 - 33 / 43 - 45	SVE / Biosparge
		RW-23	13	06/30/17	--	33 / 46	13 - 33 / 43 - 45	SVE / Biosparge
		RW-24	13	06/28/17	--	33 / 46	13 - 33 / 43 - 45	SVE / Biosparge
		RW-25	13	06/28/17	--	33 / 46	13 - 33 / 43 - 45	SVE / Biosparge
		RW-26	13	07/03/17	--	33 / 46	13 - 33 / 43 - 45	SVE / Biosparge
		RW-27	13	06/28/17	--	33 / 46	13 - 33 / 43 - 45	SVE / Biosparge
		RW-28	13	07/03/17	--	33 / 46	13 - 33 / 43 - 45	SVE / Biosparge
		RW-29	13	06/29/17	--	33 / 46	13 - 33 / 43 - 45	SVE / Biosparge
		RW-30	13	06/27/17	--	33 / 46	13 - 33 / 43 - 45	SVE / Biosparge
		RW-31	13	07/03/17	--	33 / 46	13 - 33 / 43 - 45	SVE / Biosparge
		RW-32	13	07/03/17	--	33 / 46	13 - 33 / 43 - 45	SVE / Biosparge
		RW-33	13	06/29/17	--	33 / 46	13 - 33 / 43 - 45	SVE / Biosparge
		RW-34	13	07/03/17	--	33 / 46	13 - 33 / 43 - 45	SVE / Biosparge
		RW-39	10	11/15/17	--	33 / 47	13 - 33 / 44 - 46	SVE / Biosparge
		RW-40	10	11/15/17	--	33 / 46	13 - 33 / 43 - 45	SVE / Biosparge
		RW-41	10	11/14/17	--	33 / 46	13 - 33 / 43 - 45	SVE / Biosparge
		RW-42	10	11/14/17	--	33 / 46	13 - 33 / 43 - 45	SVE / Biosparge
		RW-43	10	11/14/17	--	33 / 46	13 - 33 / 43 - 45	SVE / Biosparge
		RW-44	10	11/13/17	--	33 / 46	13 - 33 / 43 - 45	SVE / Biosparge
		RW-45	10	11/13/17	--	33 / 46	13 - 33 / 43 - 45	SVE / Biosparge
		RW-46	10	11/13/17	--	33 / 46	13 - 33 / 43 - 45	SVE / Biosparge
		VEW-31		08/03/04	75.10	15	5 - 15	SVE
		VEW-38	12	11/02/16	--	30.5	20 - 30	SVE
		VEW-39	12	11/03/16	--	30.5	20 - 30	SVE
		VEW-40	12	11/02/16	--	30.5	20 - 30	SVE
		VW-07	16	--	75.64	--	--	SVE

TABLE 1
Remediation Well Summary
DFSP Norwalk
15306 Norwalk Blvd., Norwalk, CA

Remediation Area	Location	Well	Notes	Installation Date	Casing Elevation (ft msl)	Total Depth (ft bgs)	Screen Interval (ft bgs)	Remediation Well Function
Southern Area	Former Truck Fueling Area and Adjacent Water Tank Area	VW-09	16	--	75.77	--	--	SVE
		VW-10		03/23/04	75.78	30.5	20 - 30	SVE
		VW-11		03/23/04	75.55	25	20 - 25	SVE
		VW-12		03/23/04	75.79	30.5	15 - 30	SVE
		VW-13		03/23/04	75.42	29	25 - 29	SVE
		VW-14		03/23/04	75.89	28	15 - 28	SVE
		VW-15		04/14/04	75.45	30	20 - 30	SVE
		VW-16		04/14/04	75.29	30	20 - 30	SVE

Legend/Notes :
ft msl = Feet above mean sea level
ft bgs = Feet below ground surface
AST = Aboveground storage tank
BSP = Biosparge
BS = Biosparge
HW = Horizontal Well
GW/GWE = Groundwater extraction
RTF = Recovery Total Fluids
RW = Recovery Well
SP = Sparge
SVE = Soil vapor extraction
TF = Total fluid
TFE = Total fluid extraction
TFB = Total fluids biosparge
TFR = Total fluids recovery
VW/VEW = Vapor extraction well
-- = Information not available

1 = Also referred to as TF-24.
2 = Replaced abandoned well GW-14 per SGI's March 14, 2017 *Well Replacement Report and Work Plan.*
3 = Located during field reconnaissance work conducted on September 21, 2016 but determined to likely have silt at the bottom of the casing since the measured total depth was several feet higher than the construction well depth.
4 = Located during field reconnaissance work conducted on September 21, 2016 but determined to be inaccessible.
5 = Abandoned on December 29, 2014 (replacement pending per SGI's March 14, 2017 *Well Replacement Report and Work Plan*).
6 = Abandoned on December 30, 2014 (replacement pending per SGI's March 14, 2017 *Well Replacement Report and Work Plan*).
7 = Abandoned on January 5, 2015 (replacement pending per SGI's March 14, 2017 *Well Replacement Report and Work Plan*).
8 = Abandoned on December 31, 2014 (replacement pending per SGI's March 14, 2017 *Well Replacement Report and Work Plan*).
9 = Also referred to as "old TF-24" or "former TF-24".
10 = Recently installed per SGI's July 11, 2018 *Well Installation Completion Report* .
11 = Abandoned on November 16, 2017.
12 = Recently installed per SGI's March 14, 2017 *Well Replacement Report and Work Plan.*
13 = Recently installed per SGI's June 30, 2017 *Remediation Well Installation Update Report.*
14 = Well installed by Government Technology Services in September 1992; exact date unknown.
15 = Well installed by Parsons in October 1999; exact date unknown.
16 = Well installation date unknown.
17 = Confirmed to be inoperable in October 2017 (well plugged)..
18 = Well abondoned in-place on 6/7/19 and 6/10/19 and replaced with new horizontal wells HW-8 and HW-9
19 = Total well length is 340-feet for horizontal well HW-8 and 500-feet for HW-9.

TABLE 2A

Groundwater Extraction and Treatment System Operations Summary - October

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	GW-14R Totalizer Reading (gallons)	GMW-31 Totalizer Reading (gallons)	GW-16 Totalizer Reading (gallons)	Groundwater Extracted from Eastern Area (gallons)	Groundwater Extracted from Central Area (gallons)	Discharge Totalizer Reading (gallons)	Groundwater Extracted and Treated (gallons)	Influent DRO (ug/L)	Cumulative DRO Removed [A] (lb)
10/1/21	*		--	--	--	--	--	--	--	--	9,952.44
10/2/21	*		--	--	--	--	--	--	--	--	9,952.46
10/3/21	*		--	--	--	--	--	--	--	--	9,952.48
10/4/21	Technician		762,471	531,003	1,559,074	1,559,074	1,293,474	2,723,700	12,904	--	9,952.51
10/5/21	*		--	--	--	--	--	--	--	--	9,952.53
10/6/21	*		--	--	--	--	--	--	--	--	9,952.56
10/7/21	*		--	--	--	--	--	--	--	--	9,952.58
10/8/21	*		--	--	--	--	--	--	--	--	9,952.61
10/9/21	*		--	--	--	--	--	--	--	--	9,952.63
10/10/21	*		--	--	--	--	--	--	--	--	9,952.65
10/11/21	*		--	--	--	--	--	--	--	--	9,952.68
10/12/21	*		--	--	--	--	--	--	--	--	9,952.70
10/13/21	*		--	--	--	--	--	--	--	--	9,952.73
10/14/21	Technician		792,331	532,109	1,559,074	1,559,074	1,324,440	2,760,675	36,975	--	9,952.75
10/15/21	*		--	--	--	--	--	--	--	--	9,952.78
10/16/21	*		--	--	--	--	--	--	--	--	9,952.80
10/17/21	*		--	--	--	--	--	--	--	--	9,952.82
10/18/21	*		--	--	--	--	--	--	--	--	9,952.84
10/19/21	Technician		803,358	532,109	1,560,716	1,560,716	1,335,467	2,777,479	16,804	--	9,952.87
10/20/21	Technician	1	805,563	532,109	1,561,044	1,561,044	1,337,672	2,780,840	3,361	760	9,952.89
10/21/21	*		--	--	--	--	--	--	--	--	9,952.93
10/22/21	*		--	--	--	--	--	--	--	--	9,952.97
10/23/21	*		--	--	--	--	--	--	--	--	9,953.01
10/24/21	*		--	--	--	--	--	--	--	--	9,953.06
10/25/21	*		--	--	--	--	--	--	--	--	9,953.10
10/26/21	Technician		822,032	533,486	1,574,024	1,574,024	1,355,518	2,821,590	40,750	--	9,953.14
10/27/21	*		--	--	--	--	--	--	--	--	9,953.21
10/28/21	Technician		825,337	535,579	1,576,019	1,576,019	1,360,915	2,839,701	18,111	--	9,953.26
10/29/21	*		--	--	--	--	--	--	--	--	9,953.28
10/30/21	*		--	--	--	--	--	--	--	--	9,953.29
10/31/21	*		--	--	--	--	--	--	--	--	9,953.31

Cumulative Groundwater Discharged by the GWETS to Date (gallons)							
Period	October	Quarter 1, 2021	Quarter 2, 2021	Quarter 3, 2021	Quarter 4, 2021	2021 to Date	April 1996 to Date
Volume	137,078	217,398	248,740	137,078	137,078	740,295	81,260,581

Cumulative Mass DRO Removed by the GWETS [A] (lb)			
Period	October	Quarter 4 to Date	April 1996 to Date
Mass	0.89	0.89	9,953.3

$$Liquid\text{–}Phase\ DRO\ Mass\ [lb] = \left(Conc.\left[\frac{\mu g}{L}\right]\right) \bullet \left(\frac{3.785\ L}{gal}\right) \bullet \left(\frac{1\ g}{1{,}000{,}000\ \mu g}\right) \bullet \left(\frac{1 lb}{453.59\ g}\right) \bullet \left(Volume\ [gal]\right)$$

Legend / Notes:

1 = Collected monthly water samples for laboratory analysis.

Groundwater extraction wells on line this month: NoneGW-14R, GMW-31, GW-16.

* = Operational values interpolated from chart recorder data or previous monitoring event.

GWETS = Groundwater extraction and treatment system

µg/L - Micrograms per liter

A = Hydrocarbon removal is calculated using analytical laboratory result for DRO (if not detected, half the detection limit used) from sample collected this month.

-- = Not applicable

lb = Pounds

DRO = Diesel range organics

TABLE 2B

Groundwater Extraction and Treatment System Operations Summary - November

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	GW-14R Totalizer Reading (gallons)	GMW-31 Totalizer Reading (gallons)	GW-16 Totalizer Reading (gallons)	Groundwater Extracted from Eastern Area (gallons)	Groundwater Extracted from Central Area (gallons)	Discharge Totalizer Reading (gallons)	Groundwater Extracted and Treated (gallons)	Influent DRO (ug/L)	Cumulative DRO Removed [A] (lb)
11/1/21	*		--	--	--	--	--	--	--	--	9,953.33
11/2/21	*		--	--	--	--	--	--	--	--	9,953.35
11/3/21	Technician		835,250	541,857	1,582,005	1,582,005	1,377,107	2,856,880	17,179	--	9,953.37
11/4/21	*		--	--	--	--	--	--	--	--	9,953.41
11/5/21	*		--	--	--	--	--	--	--	--	9,953.44
11/6/21	*		--	--	--	--	--	--	--	--	9,953.48
11/7/21	*		--	--	--	--	--	--	--	--	9,953.52
11/8/21	*		--	--	--	--	--	--	--	--	9,953.55
11/9/21	*		--	--	--	--	--	--	--	--	9,953.59
11/10/21	Technician	1	858,065	550,491	1,585,829	1,585,829	1,408,556	2,896,170	39,290	550	9,953.61
11/11/21	*		--	--	--	--	--	--	--	--	9,953.64
11/12/21	*		--	--	--	--	--	--	--	--	9,953.67
11/13/21	*		--	--	--	--	--	--	--	--	9,953.70
11/14/21	*		--	--	--	--	--	--	--	--	9,953.73
11/15/21	Technician		875,988	553,137	1,588,560	1,588,560	1,429,125	2,931,360	35,190	--	9,953.77
11/16/21	*		--	--	--	--	--	--	--	--	9,953.80
11/17/21	*		--	--	--	--	--	--	--	--	9,953.83
11/18/21	*		--	--	--	--	--	--	--	--	9,953.87
11/19/21	*		--	--	--	--	--	--	--	--	9,953.90
11/20/21	*		--	--	--	--	--	--	--	--	9,953.93
11/21/21	*		--	--	--	--	--	--	--	--	9,953.96
11/22/21	*		--	--	--	--	--	--	--	--	9,953.99
11/23/21	*		--	--	--	--	--	--	--	--	9,954.03
11/24/21	Technician		906,522	554,591	1,605,285	1,605,285	1,461,113	2,993,190	61,830	--	9,954.06
11/25/21	*		--	--	--	--	--	--	--	--	9,954.09
11/26/21	*		--	--	--	--	--	--	--	--	9,954.12
11/27/21	*		--	--	--	--	--	--	--	--	9,954.15
11/28/21	*		--	--	--	--	--	--	--	--	9,954.18
11/29/21	*		--	--	--	--	--	--	--	--	9,954.21
11/30/21	Technician	2	927,742	555,705	1,616,963	1,616,963	1,483,447	3,033,121	39,931	--	9,954.24

Cumulative Groundwater Discharged by the GWETS (gallons)							
Period	November	Quarter 1, 2021	Quarter 2, 2021	Quarter 3, 2021	Quarter 4, 2021	2021 to Date	April 1996 to Date
Volume	185,247	217,398	248,740	409,908	322,325	1,198,371	81,445,828

Cumulative Mass DRO Removed by the GWETS [A] (lb)			
Period	November	Quarter 4 to Date	April 1996 to Date
Mass	0.93	1.82	9,954.2

$$Liquid\text{-}Phase\ DRO\ Mass\,[lb] = \left(Conc.\left[\frac{\mu g}{L}\right]\right) \bullet \left(\frac{3.785\,L}{gal}\right) \bullet \left(\frac{1\,g}{1{,}000{,}000\,\mu g}\right) \left(\frac{1\,lb}{453.59\,g}\right) \bullet \left(Volume\,[gal]\right)$$

Legend / Notes:

1 = Collected monthly water samples for laboratory analysis.

2 = GWETS manually shut down pending media change out work.

Groundwater extraction wells on line this month: GW-14R, GWM-31, GW-16.

* = Operational values interpolated from chart recorder data or previous monitoring event.

GWETS = Groundwater extraction and treatment system

µg/L - Micrograms per liter

A = Hydrocarbon removal is calculated using analytical laboratory result for DRO (if not detected, half the detection limit used) from sample collected this month.

-- = Not applicable

lb = Pounds

DRO = Diesel range organics

TABLE 2C

Groundwater Extraction and Treatment System Operations Summary - December

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	GW-14R Totalizer Reading (gallons)	GMW-31 Totalizer Reading (gallons)	GW-16 Totalizer Reading (gallons)	Groundwater Extracted from Eastern Area (gallons)	Groundwater Extracted from Central Area (gallons)	Discharge Totalizer Reading (gallons)	Groundwater Extracted and Treated (gallons)	Influent DRO (ug/L)	Cumulative DRO Removed [A] (lb)
12/1/21	Technician	1,2	928,010	555,781	1,617,200	1,617,200	1,483,791	3,033,375	254	--	9,954.24
12/2/21	*		--	--	--	--	--	--	--	--	9,954.27
12/3/21	*		--	--	--	--	--	--	--	--	9,954.31
12/4/21	*		--	--	--	--	--	--	--	--	9,954.34
12/5/21	*		--	--	--	--	--	--	--	--	9,954.37
12/6/21	*		--	--	--	--	--	--	--	--	9,954.41
12/7/21	Technician	3	945,162	560,006	1,628,210	1,628,210	1,505,168	3,074,490	41,115	620	9,954.43
12/8/21	*		--	--	--	--	--	--	--	--	9,954.46
12/9/21	Technician		951,824	561,256	1,632,344	1,632,344	1,513,080	3,088,343	13,853	--	9,954.50
12/10/21	Technician		955,155	561,881	1,634,411	1,634,411	1,517,036	3,095,270	6,927	--	9,954.54
12/11/21	*		--	--	--	--	--	--	--	--	9,954.56
12/12/21	*		--	--	--	--	--	--	--	--	9,954.57
12/13/21	*		--	--	--	--	--	--	--	--	9,954.59
12/14/21	*		--	--	--	--	--	--	--	--	9,954.60
12/15/21	Technician		966,796	561,881	1,634,411	1,634,411	1,528,678	3,111,189	15,919	--	9,954.62
12/16/21	*		--	--	--	--	--	--	--	--	9,954.64
12/17/21	Technician		971,453	561,881	1,634,411	1,634,411	1,533,334	3,117,557	6,368	--	9,954.65
12/18/21	*		--	--	--	--	--	--	--	--	9,954.67
12/19/21	*		--	--	--	--	--	--	--	--	9,954.69
12/20/21	*		--	--	--	--	--	--	--	--	9,954.71
12/21/21	*		--	--	--	--	--	--	--	--	9,954.73
12/22/21	Technician		986,552	561,881	1,634,604	1,634,604	1,548,433	3,137,115	19,558	--	9,954.76
12/23/21	*		--	--	--	--	--	--	--	--	9,954.77
12/24/21	*		--	--	--	--	--	--	--	--	9,954.78
12/25/21	*		--	--	--	--	--	--	--	--	9,954.79
12/26/21	*		--	--	--	--	--	--	--	--	9,954.80
12/27/21	Technician		992,936	561,999	1,638,667	1,638,667	1,554,935	3,148,740	11,625	--	9,954.82
12/28/21	*		--	--	--	--	--	--	--	--	9,954.84
12/29/21	*		--	--	--	--	--	--	--	--	9,954.87
12/30/21	*		--	--	--	--	--	--	--	--	9,954.90
12/31/21	*		--	--	--	--	--	--	--	--	9,954.92

Cumulative Groundwater Discharged by the GWETS (gallons)							
Period	December	Quarter 1, 2021	Quarter 2, 2021	Quarter 3, 2021	Quarter 4, 2021	2021 to Date	April 1996 to Date
Volume	136,152	217,398	248,740	409,908	458,477	1,334,523	81,581,980

Cumulative Mass DRO Removed by the GWETS [A] (lb)			
Period	December	Quarter 4 to Date	April 1996 to Date
Mass	0.66	2.48	9,954.9

$$Liquid-Phase\ DRO\ Mass\ [lb] = \left(Conc.\left[\frac{\mu g}{L}\right]\right) \bullet \left(\frac{3.785\ L}{gal}\right) \bullet \left(\frac{1\ g}{1{,}000{,}000\ \mu g}\right) \bullet \left(\frac{1 lb}{453.59\ g}\right) \bullet \left(Volume\ [gal]\right)$$

Legend / Notes:

1 = Media change out work conducted.

2 = GWETS restarted.

3 = Collected monthly water samples for laboratory analysis.

Groundwater extraction wells on line this month: GW-14R, GWM-31, GW-16.

* = Operational values interpolated from chart recorder data or previous monitoring event.

GWETS = Groundwater extraction and treatment system

µg/L - Micrograms per liter

A = Hydrocarbon removal is calculated using analytical laboratory result for DRO (if not detected, half the detection limit used) from sample collected this month.

-- = Not applicable

lb = Pounds

DRO = Diesel range organics

TABLE 3A

Carbon Vapor Extraction System Operations Summary - October

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	VES Hour Meter Reading (hours)	VES Process Flow [A] (scfm)	VES Manifold Vacuum (in. Hg)	Carbon Inlet Temperature (°F)	Laboratory Process Concentration (ppmv)	Field Process Concentration [B,C] (ppmv)	Field Effluent Concentration [B,C] (ppmv)	Cumulative Vapor-Phase GRO Removed [D] (lb)
10/01/21	*		70,531	636	--	--	--	--	--	2,985,923
10/02/21	*		70,553	636	--	--	--	--	--	2,985,926
10/03/21	*		70,575	636	--	--	--	--	--	2,985,929
10/04/21	*		70,597	636	--	--	--	--	--	2,985,932
10/05/21	Technician		70,620	648	3.7	125.0	--	212.0	0.0	2,985,935
10/06/21	*		70,643	648	--	--	--	--	--	2,985,938
10/07/21	*		70,667	648	--	--	--	--	--	2,985,941
10/08/21	*		70,690	648	--	--	--	--	--	2,985,944
10/09/21	*		70,714	648	--	--	--	--	--	2,985,948
10/10/21	*		70,737	648	--	--	--	--	--	2,985,951
10/11/21	*		70,761	648	--	--	--	--	--	2,985,954
10/12/21	*		70,785	648	--	--	--	--	--	2,985,957
10/13/21	Technician		70,808	634	4.0	113.0	--	153.7	0.0	2,985,960
10/14/21	*		70,833	634	--	--	--	--	--	2,985,964
10/15/21	*		70,858	634	--	--	--	--	--	2,985,967
10/16/21	*		70,883	634	--	--	--	--	--	2,985,970
10/17/21	*		70,908	634	--	--	--	--	--	2,985,974
10/18/21	Technician	1, 2	70,933	629	4.0	114.0	10	152.1	0.0	2,985,977
10/19/21	*		70,957	629	--	--	--	--	--	2,985,980
10/20/21	*		70,981	629	--	--	--	--	--	2,985,983
10/21/21	*		71,005	629	--	--	--	--	--	2,985,986
10/22/21	*		71,029	629	--	--	--	--	--	2,985,990
10/23/21	*		71,052	629	--	--	--	--	--	2,985,993
10/24/21	*		71,076	629	--	--	--	--	--	2,985,996
10/25/21	*		71,100	629	--	--	--	--	--	2,985,999
10/26/21	*		71,124	629	--	--	--	--	--	2,986,002
10/27/21	Technician		71,148	629	4.1	128.0	--	161.3	0.0	2,986,005
10/28/21	*		71,172	645	--	--	--	--	--	2,986,009
10/29/21	*		71,195	645	--	--	--	--	--	2,986,012
10/30/21	*		71,219	645	--	--	--	--	--	2,986,015
10/31/21	*		71,242	645	--	--	--	--	--	2,986,018

Cumulative Mass TPHg Removed by the VES [D] (lb)			
Period	October	Quarter 4 to Date	April 1996 to Date
Mass	98	98	2,986,018

$$Vapor\text{-}Phase\ TPHg\ Mass\ [lb] = \left(Conc.\left[\frac{\mu g}{L}\right]\right) \bullet \left(\frac{28.32\ L}{ft^3}\right) \bullet \left(\frac{1\ g}{1{,}000{,}000\ \mu g}\right) \left(\frac{1\ lb}{453.59\ g}\right) \bullet (Flow\ [scfm]) \bullet \left(\frac{60\ min}{hr}\right) \bullet (OpTime\ [hrs])$$

Legend / Notes:

1 = Collected monthly influent, after GAC-1, after GAC-2, and Effluent samples for laboratory analysis.

2 = Collected individual well vapor samples for laboratory analysis from HWs and Trunkline 2.

* = Operational values interpolated from chart recorder data or previous monitoring event.

-- = Not applicable or not measured

Vapor extraction wells on line this month: HW-1, HW-9, HW-5, HW-7, Trunkline #2

VES = Soil vapor extraction system

scfm = Standard cubic feet per minute

in. Hg = Inches of mercury

°F = Degrees Fahrenheit

ppmv = Parts per million by volume

lb = Pounds

A = Reading from chart recorder.

B = Concentrations obtained with a calibrated organic vapor analyzer.

C = Concentrations correlated to laboratory data and expressed as hexane.

D = Hydrocarbon removal is calculated using analytical laboratory result for GRO (if not detected, half the detection limit is used).

TABLE 3B

Carbon Vapor Extraction System Operations Summary - November

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	VES Hour Meter Reading (hours)	VES Process Flow [A] (scfm)	VES Manifold Vacuum (in. Hg)	Carbon Inlet Temperature (°F)	Laboratory Process Concentration (ppmv)	Field Process Concentration [B,C] (ppmv)	Field Effluent Concentration [B,C] (ppmv)	Cumulative Vapor-Phase GRO Removed [D] (lb)
11/01/21	Technician		71,266	625	4.4	115.0	--	212.0	0.0	2,986,025
11/02/21	*		71,290	625	--	--	--	--	--	2,986,031
11/03/21	*		71,313	625	--	--	--	--	--	2,986,038
11/04/21	*		71,337	625	--	--	--	--	--	2,986,045
11/05/21	*		71,361	625	--	--	--	--	--	2,986,051
11/06/21	*		71,385	625	--	--	--	--	--	2,986,058
11/07/21	*		71,408	625	--	--	--	--	--	2,986,065
11/08/21	*		71,432	625	--	--	--	--	--	2,986,071
11/09/21	Technician		71,456	607	4.7	114.0	--	190.5	0.0	2,986,078
11/10/21	Technician	1	71,480	607	--	--	21	--	--	2,986,085
11/11/21	*		71,505	607	--	--	--	--	--	2,986,091
11/12/21	*		71,529	607	--	--	--	--	--	2,986,098
11/13/21	*		71,553	607	--	--	--	--	--	2,986,105
11/14/21	*		71,578	607		--	--	--	--	2,986,111
11/15/21	*		71,602	607	--	--	--	--	--	2,986,118
11/16/21	*		71,627	607	--	--	--	--	--	2,986,125
11/17/21	Technician		71,651	614	4.9	119.0	--	298.3	0.0	2,986,131
11/18/21	*		71,674	614	--	--	--	--	--	2,986,138
11/19/21	*		71,698	614	--	--	--	--	--	2,986,144
11/20/21	*		71,721	614	--	--	--	--	--	2,986,151
11/21/21	*		71,744	614	--	--	--	--	--	2,986,157
11/22/21	Technician	2	71,767	604	4.8	111.0	--	297.4	0.0	2,986,163
11/23/21	*		71,792	604	--	--	--	--	--	2,986,170
11/24/21	*		71,816	604	--	--	--	--	--	2,986,177
11/25/21	*		71,840	604	--	--	--	--	--	2,986,183
11/26/21	*		71,865	604	--	--	--	--	--	2,986,190
11/27/21	*		71,889	604	--	--	--	--	--	2,986,196
11/28/21	*		71,914	604	--	--	--	--	--	2,986,203
11/29/21	*		71,938	604	--	--	--	--	--	2,986,210
11/30/21	Technician		71,962	583	5.0	115.0	--	395.0	0.0	2,986,216

Cumulative Mass TPHg Removed by the VES [A] (lb)			
Period	November	Quarter 4 to Date	April 1996 to Date
Mass	198	296	2,986,216

$$Vapor\text{-}Phase\ TPHg\ Mass\ [lb] = \left(Conc.\left[\frac{\mu g}{L}\right]\right) \bullet \left(\frac{28.32\ L}{ft^3}\right) \bullet \left(\frac{1\ g}{1{,}000{,}000\ \mu g}\right) \left(\frac{1\ lb}{453.59\ g}\right) \bullet \left(Flow\ [scfm]\right) \bullet \left(\frac{60\ \min}{hr}\right) \bullet \left(OpTime[hrs]\right)$$

Legend / Notes:

1 = Collected monthly influent, after GAC-1, after GAC-2, and Effluent samples for laboratory analysis.

2 = Collected after GAC-2 and Effluent confirmation samples for laboratory analysis due to unusual Benzene concentration on 11/10/21. Benzene result was ND for both.

-- = Not applicable or not measured

* = Operational values interpolated from chart recorder data or previous monitoring event.

Vapor extraction wells on line this month: HW-1, HW-9, HW-5, HW-7, Trunkline #2

VES = Soil vapor extraction system

scfm = Standard cubic feet per minute

in. Hg = Inches of mercury

°F = Degrees Fahrenheit

ppmv = Parts per million by volume

lb = Pounds

A = Reading from chart recorder.

B = Concentrations obtained with a calibrated organic vapor analyzer.

C = Concentrations correlated to laboratory data and expressed as hexane.

D = Hydrocarbon removal is calculated using analytical laboratory results for GRO (if not detected, half the detection limit is used).

TABLE 3C

Carbon Vapor Extraction System Operations Summary - December

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	VES Hour Meter Reading (hours)	VES Process Flow [A] (scfm)	VES Manifold Vacuum (in. Hg)	Carbon Inlet Temperature (°F)	Laboratory Process Concentration (ppmv)	Field Process Concentration [B,C] (ppmv)	Field Effluent Concentration [B,C] (ppmv)	Cumulative Vapor-Phase GRO Removed [D] (lb)
12/01/21	Technician		71,990	583	--	--	--	--	--	2,986,228
12/02/21	*		72,014	583	--	--	--	--	--	2,986,238
12/03/21	*		72,038	583	--	--	--	--	--	2,986,248
12/04/21	*		72,062	583	--	--	--	--	--	2,986,257
12/05/21	*		72,086	583	--	--	--	--	--	2,986,267
12/06/21	Technician	1	72,110	583	5.3	114.0	35	314.8	0.0	2,986,277
12/07/21	*		72,134	583	--	--	--	--	--	2,986,287
12/08/21	*		72,158	583	--	--	--	--	--	2,986,297
12/09/21	*		72,182	583	--	--	--	--	--	2,986,307
12/10/21	*		72,206	583	--	--	--	--	--	2,986,317
12/11/21	*		72,230	583	--	--	--	--	--	2,986,327
12/12/21	*		72,254	583	--	--	--	--	--	2,986,337
12/13/21	Technician		72,278	573	5.5	112.0	--	273.8	0.2	2,986,347
12/14/21	Technician	2	72,290	573	--	--	--	--	--	2,986,351
12/15/21	Technician	3	72,302	573	--	--	--	--	--	2,986,356
12/16/21	*		72,330	573	--	--	--	--	--	2,986,368
12/17/21	*		72,359	573	--	--	--	--	--	2,986,380
12/18/21	*		72,388	573	--	--	--	--	--	2,986,392
12/19/21	*		72,417	573	--	--	--	--	--	2,986,403
12/20/21	*		72,446	573	--	--	--	--	--	2,986,415
12/21/21	Technician	4	72,475	0	--	--	--	--	--	2,986,415
12/22/21	Technician	3	72,476	573	5.0	110.0	--	358.9	0.0	2,986,416
12/23/21	*		72,499	573	--	--	--	--	--	2,986,425
12/24/21	*		72,523	573	--	--	--	--	--	2,986,435
12/25/21	*		72,547	573	--	--	--	--	--	2,986,445
12/26/21	*		72,570	573	--	--	--	--	--	2,986,454
12/27/21	*		72,594	573	--	--	--	--	--	2,986,464
12/28/21	Technician		72,618	573	5.6	104.0	--	344.8	0.0	2,986,474
12/29/21	*		72,641	573	--	--	--	--	--	2,986,483
12/30/21	*		72,665	573	--	--	--	--	--	2,986,493
12/31/21	*		72,689	573	--	--	--	--	--	2,986,503

Cumulative Mass TPHg Removed by the VES [A] (lb)			
Period	December	Quarter 4 to Date	April 1996 to Date
Mass	300	595	2,986,503

$$Vapor\text{-}Phase\ TPHg\ Mass\ [lb] = \left(Conc.\left[\frac{\mu g}{L}\right]\right) \bullet \left(\frac{28.32\ L}{ft^3}\right) \bullet \left(\frac{1\ g}{1{,}000{,}000\ \mu g}\right) \left(\frac{1 lb}{453.59\ g}\right) \bullet \left(Flow\ [scfm]\right) \bullet \left(\frac{60\ \min}{hr}\right) \bullet \left(OpTime[hrs]\right)$$

***Legend / Notes*:**

1 = Collected monthly influent, after GAC-1, after GAC-2, and Effluent samples for laboratory analysis.

2 = VES automatically shut down due to power failure.

3 = VES restarted.

4 = VES manually shut down for Biosparge system influence testing.

-- = Not applicable or not measured

* = Operational values interpolated from chart recorder data or previous monitoring event.

Vapor extraction wells on line this month: HW-1, HW-9, HW-5, HW-7, Trunkline #2

VES = Soil vapor extraction system

scfm = Standard cubic feet per minute

in. Hg = Inches of mercury

°F = Degrees Fahrenheit

ppmv = Parts per million by volume

lb = Pounds

A = Reading from chart recorder.

B = Concentrations obtained with a calibrated organic vapor analyzer.

C = Concentrations correlated to laboratory data and expressed as hexane.

D = Hydrocarbon removal is calculated using analytical laboratory results for GRO (if not detected, half the detection limit is used)

TABLE 4

Historical Summary of Analytical Vapor Sampling Results - Influent Carbon VES

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Sample Date	Notes	Vapor Extraction System Wells On Line	Laboratory Analysis Methods	GRO Field OVA Reading	GRO		VOCs as Hexane[A]		Benzene		Toluene		Ethylbenzene		o-Xylene		m,p-Xylenes		Total Xylenes		MTBE	
				(ppmv)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)
04/29/11		--	TO-3 & 8260B	--	--	--	**17**	**60**	**0.021**	**0.067**	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
05/27/11		--	TO-3 & 8260B	--	--	--	**13**	**46**	**0.021**	**0.067**	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
06/30/11		--	TO-3 & 8260B	--	--	--	**11**	**39**	**0.018**	**0.057**	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
07/27/11		--	TO-3 & 8260B	--	--	--	**8.6**	**31**	**0.013**	**0.042**	<0.0050	<0.019	**0.012**	**0.052**	--	--	--	--	**0.013**	**0.056**	<0.010	<0.036
08/26/11		--	TO-3 & 8260B	--	--	--	**7.8**	**28**	**0.012**	**0.038**	<0.0050	<0.019	**0.020**	**0.087**	--	--	--	--	**0.0264**	**0.115**	<0.010	<0.036
09/30/11		--	TO-3 & 8260B	--	--	--	**6.9**	**25**	**0.012**	**0.038**	<0.0050	<0.019	**0.011**	**0.048**	--	--	--	--	**0.011**	**0.048**	<0.010	<0.036
10/28/11		--	TO-3 & 8260B	--	--	--	**5.4**	**19**	**0.011**	**0.035**	<0.0050	<0.019	**0.015**	**0.065**	--	--	--	--	**0.028**	**0.12**	<0.010	<0.036
11/30/11		--	TO-3 & 8260B	--	--	--	**8.5**	**30**	**0.012**	**0.038**	<0.0050	<0.019	**0.0067**	**0.029**	--	--	--	--	**0.010**	**0.043**	<0.010	<0.036
12/28/11		--	TO-3 & 8260B	--	--	--	**8.6**	**31**	**0.024**	**0.077**	**0.0075**	**0.028**	**0.0096**	**0.042**	--	--	--	--	**0.022**	**0.095**	<0.010	<0.036
01/26/12		--	TO-3 & 8260B	--	--	--	**3.7**	**13**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
02/24/12		--	TO-3 & 8260B	--	--	--	**4.6**	**16**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
03/28/12		--	TO-3 & 8260B	--	--	--	**4.1**	**15**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
04/27/12		--	TO-3 & 8260B	--	--	--	**3.6**	**13**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
05/31/12		--	TO-3 & 8260B	--	--	--	**6.5**	**23**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
06/28/12		--	TO-3 & 8260B	--	--	--	**5.3**	**19**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
07/26/12		--	TO-3 & 8260B	4.1	--	--	**4.1**	**15**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
08/31/12		--	TO-3 & 8260B	1.5	--	--	<3.0	<11	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
09/27/12		--	TO-3 & 8260B	1.5	--	--	<3.0	<11	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
10/30/12		--	TO-3 & 8260B	1.5	--	--	**6.1**	**22**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
11/26/12		--	TO-3 & 8260B	4.2	--	--	**4.2**	**15**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
12/19/12		--	TO-3 & 8260B	3.2	--	--	**3.2**	**11**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
01/31/13		--	TO-3 & 8260B	4.6	--	--	**4.6**	**16**	--	--	--	--	--	--	--	--	--	--	--	--	--	--
02/27/13		--	TO-3 & 8260B	4.5	--	--	**4.5**	**16**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
03/28/13		--	TO-3 & 8260B	6.7	--	--	**6.7**	**24**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
04/22/13		--	TO-3 & 8260B	5.4	--	--	**5.4**	**19**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
07/29/13		--	TO-3 & 8260B	1.5	--	--	<3.0	<11	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
08/12/13		--	TO-3 & 8260B	--	--	--	<3.0	<11	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
10/30/13		--	TO-3 & 8260B	3.0	--	--	**3.0**	**11**	**0.014**	**0.045**	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
11/27/13		--	TO-3 & 8260B	1.5	--	--	<3.0	<11	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	**0.015**	**0.065**	<0.010	<0.036
12/19/13		--	TO-3 & 8260B	1.5	--	--	<3.0	<11	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036

TABLE 4

Historical Summary of Analytical Vapor Sampling Results - Influent Carbon VES

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Sample Date	Notes	Vapor Extraction System Wells On Line	Laboratory Analysis Methods	GRO Field OVA Reading	GRO		VOCs as Hexane[A]		Benzene		Toluene		Ethylbenzene		o-Xylene		m,p-Xylenes		Total Xylenes		MTBE	
				(ppmv)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)
03/21/14		--	TO-3 & 8260B	1.5	--	--	<3.0	<11	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	<0.0050	<0.022	<0.010	<0.043	<0.015	<0.065	<0.010	<0.036
04/23/14		VEW-32, VEW-33, VEW-34, VEW-35, VEW-36 VEW-37, HW-1, HW-3, HW-5, HW-7	TO-3 & 8260B	1.9	--	--	<3.0	<11	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	<0.0050	<0.022	<0.010	<0.043	<0.015	<0.065	<0.010	<0.036
05/16/14	1	VEW-32, VEW-33, VEW-34, VEW-35, VEW-36 VEW-37, HW-1, HW-3, HW-5, HW-7	TO-3 & 8260B	1.1	--	--	<3.0	<11	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	<0.0050	<0.022	<0.010	<0.043	<0.015	<0.065	<0.010	<0.036
07/09/14	2	VEW-32, VEW-33, VEW-34, VEW-35, VEW-36 VEW-37, HW-1, HW-3, HW-5, HW-7	8015M & 8260M	24	**6.1**	**25**	**7.0**	**25**	<0.16	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.3	<1.5	<0.6	<2.0
08/13/14		VEW-32, VEW-33, VEW-34, VEW-35, VEW-36 VEW-37, HW-1, HW-3, HW-5, HW-7	8015M & 8260M	27	**7.3**	**30**	**8.4**	**30**	<0.16	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.3	<1.5	<0.6	<2.0
09/17/14	3	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	8015M & 8260M	5.6	<4.9	<20	<5.6	<20	<0.16	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.3	<1.5	<0.6	<2.0
10/23/14	4	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	8015M & 8260M	1.2	<4.9	<20	<5.6	<20	<0.16	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.3	<1.5	<0.6	<2.0
11/17/14	5	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	8015M & 8260M	1.3	<4.9	<20	<5.6	<20	<0.16	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.3	<1.5	<0.6	<2.0
12/17/14		VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	8015M & 8260M	0.5	<4.9	<20	<5.6	<20	<0.16	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.3	<1.5	<0.6	<2.0
01/14/15		VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	8015M & 8260M	1.5	<4.9	<20	<5.6	<20	<0.16	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.3	<1.5	<0.6	<2.0
02/20/15		VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	8015M & 8260M	1.5	<4.9	<20	<5.6	<20	<0.16	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.3	<1.5	<0.6	<2.0
03/27/15		VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	8015M & 8260M	3.4	<4.9	<20	<5.6	<20	<0.16	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.3	<1.5	<0.6	<2.0
04/27/15	6	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	8015M & 8260M	132	**140**	**580**	**160**	**580**	**0.63**	**2.0**	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	**0.23**	**1.0**	**0.23**	**1.0**	<0.6	<2.0
05/29/15	6,7	--	8015M & 8260M	103	**83**	**340**	**97**	**340**	<0.16	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.3	<1.5	<0.6	<2.0
06/03/15	6,8	VEW-32, VEW-33, VEW-34	8015M & 8260M	47	**32**	**130**	**37**	**130**	<0.16	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.3	<1.5	<0.6	<2.0
07/09/15	6	VEW-32, VEW-33, VEW-34	8015M & 8260M	162	**150**	**600**	**170**	**600**	<0.16	<0.50	**0.15**	**0.58**	<0.12	<0.50	**0.67**	**2.9**	**0.71**	**3.1**	**1.38**	**6.0**	<0.55	<2.0
07/15/15	6,9	VEW-32, VEW-33, VEW-34	8015M & 8260M	147	**170**	**700**	**200**	**700**	<0.16	<0.50	**0.53**	**2.0**	**0.18**	**0.78**	**0.99**	**4.3**	**1.5**	**6.3**	**2.49**	**10.6**	<0.55	<2.0
07/21/15	6,9	VEW-32, VEW-33, VEW-34	8015M & 8260M	259	**160**	**640**	**180**	**640**	<0.16	<0.50	**0.25**	**0.94**	<0.12	<0.50	**0.71**	**3.1**	**0.62**	**2.7**	**1.33**	**5.8**	<0.55	<2.0
07/29/15	6,9	VEW-32, VEW-33, VEW-34	8015M & 8260M	129	**170**	**710**	**200**	**710**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	**0.32**	**1.4**	**0.25**	**1.1**	**0.57**	**2.5**	<0.55	<2.0
08/17/15	6,10	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5	8015M & 8260M	135	**130**	**550**	**160**	**550**	**0.75**	**2.4**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	**0.28**	**1.2**	**0.28**	**1.2**	<0.55	<2.0
09/09/15	6,11	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	202	**190**	**760**	**220**	**760**	**0.30**	**0.95**	**0.74**	**2.8**	**0.76**	**3.3**	**0.69**	**3.0**	**2.5**	**11**	**3.19**	**14**	<0.55	<2.0
09/22/15	6,9	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	225	**150**	**600**	**170**	**600**	**0.27**	**0.85**	**0.37**	**1.4**	<0.12	<0.50	**0.71**	**3.1**	**0.58**	**2.5**	**1.29**	**5.6**	<0.55	<2.0
09/25/15	6,9	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	258	**220**	**890**	**250**	**890**	**0.41**	**1.3**	**0.64**	**2.4**	**0.17**	**0.75**	**0.74**	**3.2**	**0.85**	**3.7**	**1.59**	**6.9**	<0.55	<2.0
10/07/15	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	256	**230**	**940**	**270**	**940**	**0.69**	**2.2**	**0.82**	**3.1**	**0.22**	**0.97**	**0.41**	**1.8**	**1.1**	**4.6**	**1.51**	**6.4**	<0.55	<2.0
11/04/15	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	380	**290**	**1,200**	**340**	**1,200**	**0.88**	**2.8**	**1.6**	**5.9**	**0.25**	**1.1**	**1.4**	**6.2**	**2.1**	**9.0**	**3.5**	**15**	<0.55	<2.0
12/07/15	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	346	**320**	**1,300**	**370**	**1,300**	**0.69**	**2.2**	**1.9**	**7.0**	**0.15**	**0.64**	**0.76**	**3.3**	**0.94**	**4.1**	**1.7**	**7.4**	<0.55	<2.0
01/13/16	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	141	**110**	**470**	**130**	**470**	**0.16**	**0.52**	**0.29**	**1.1**	<0.12	<0.50	**0.22**	**0.95**	**0.30**	**1.3**	**0.52**	**2.3**	<0.55	<2.0
02/10/16	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	124	**98**	**400**	**110**	**400**	**0.59**	**1.9**	**0.66**	**2.5**	**0.23**	**1.0**	**0.39**	**1.7**	**0.6**	**2.6**	**0.99**	**4.3**	<0.55	<2.0
03/02/16	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	92	**54**	**220**	**63**	**220**	<0.16	<0.50	**0.25**	**0.93**	<0.12	<0.50	**0.14**	**0.62**	<0.23	<1.0	**0.14**	**0.62**	<0.55	<2.0
04/06/16	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	124	**120**	**490**	**140**	**490**	**0.38**	**1.2**	**0.29**	**1.1**	<0.12	<0.50	**0.17**	**0.72**	<0.23	<1.0	**0.17**	**0.72**	<0.55	<2.0

TABLE 4

Historical Summary of Analytical Vapor Sampling Results - Influent Carbon VES

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Sample Date	Notes	Vapor Extraction System Wells On Line	Laboratory Analysis Methods	GRO Field OVA Reading	GRO		VOCs as Hexane[A]		Benzene		Toluene		Ethylbenzene		o-Xylene		m,p-Xylenes		Total Xylenes		MTBE	
				(ppmv)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)
05/04/16	6,7	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	107	**100**	**410**	**120**	**410**	**0.31**	**1.0**	**0.20**	**0.77**	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
06/06/16	6,12	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	73	**59**	**240**	**68**	**240**	**0.59**	**1.9**	**0.50**	**1.9**	<0.12	<0.50	**0.41**	**1.8**	**0.51**	**2.2**	**0.92**	**4.0**	<0.55	<2.0
07/06/16	6,13	HW-1, HW-3, HW-5	8015M & 8260M	49	**37**	**150**	**43**	**150**	**0.41**	**1.3**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
09/01/16	6,13	HW-1, HW-3, HW-5	8015M & 8260M	46	**18**	**75**	**21**	**75**	**0.41**	**1.3**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
10/12/16	6,13,14	HW-1, HW-3, HW-5	8015M & 8260M	43	**19**	**79**	**22**	**79**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
11/01/16	6,13	HW-1, HW-3, HW-5, HW-7	8015M & 8260M	114	**81**	**330**	**94**	**330**	**0.53**	**1.7**	**0.23**	**0.86**	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
12/05/16	6,13	HW-1, HW-3, HW-5, HW-7	8015M & 8260M	96	**86**	**350**	**100**	**350**	**0.31**	**1.0**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
01/09/17	6,13	HW-1, HW-3, HW-5, HW-7	8015M & 8260M	86	**68**	**280**	**80**	**280**	**0.63**	**2.0**	**0.24**	**0.89**	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
02/06/17	6,13	HW-1, HW-3, HW-5, HW-7	8015M & 8260M	93	**66**	**270**	**77**	**270**	**0.44**	**1.4**	**0.19**	**0.72**	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
03/15/17	6,13	HW-1, HW-3, HW-5, HW-7	8015M & 8260M	96	**76**	**310**	**88**	**310**	**0.53**	**1.7**	**0.24**	**0.9**	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
03/27/17	15,16	HW-1, HW-3, HW-5, HW-7	8015M & 8260M	193	**150**	**600**	**170**	**600**	**0.91**	**2.9**	**0.42**	**1.6**	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
04/17/17	15	HW-1, HW-3, HW-5, HW-7	8015M & 8260M	138	**150**	**610**	**170**	**610**	**1.1**	**3.5**	**0.53**	**2.0**	<0.12	<0.50	<0.12	<0.50	**0.23**	**1.0**	**0.23**	**1.0**	<0.55	<2.0
05/03/17	15	HW-1, HW-3, HW-5, HW-7	8015M & 8260M	141	**120**	**510**	**140**	**510**	**0.69**	**2.2**	**0.58**	**2.2**	**0.12**	**0.51**	<0.12	<0.50	**0.35**	**1.5**	**0.35**	**1.5**	<0.55	<2.0
06/05/17	15	HW-1, HW-3, HW-5	8015M & 8260M	136	**110**	**430**	**120**	**430**	**0.81**	**2.6**	**0.40**	**1.5**	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
06/27/17	15,17	HW-1, HW-3, HW-5, VEW-38, VEW-39, VEW-40	8015M & 8260M	--	**140**	**560**	**160**	**560**	**0.38**	**1.2**	**0.20**	**0.75**	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
07/19/17		HW-5, HW-7 and VEW-39	8015M & 8260M	199	**120**	**500**	**140**	**500**	**0.75**	**2.4**	**0.45**	**1.7**	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
08/09/17	18,19	HW-1, HW-5, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	8015M & 8260M	695	**560**	**2,300**	**650**	**2,300**	**0.69**	**2.2**	**0.29**	**1.1**	**0.53**	**2.3**	<0.12	<0.50	**0.44**	**1.9**	**0.44**	**1.9**	<0.55	<2.0
09/07/17	19	HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	8015M & 8260M	767	**610**	**2,500**	**710**	**2,500**	**1.2**	**3.9**	**0.48**	**1.8**	**0.46**	**2.0**	<0.12	<0.50	**0.51**	**2.2**	**0.51**	**2.2**	<0.55	<2.0
10/12/17	19,20	HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	8015M & 8260M	536	**370**	**1,500**	**430**	**1,500**	**1.0**	**3.2**	**0.32**	**1.2**	**0.41**	**1.8**	**0.20**	**0.88**	**0.83**	**3.6**	**1.0**	**4.5**	<0.55	<2.0
11/02/17	19	HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	8015M & 8260M	300	**240**	**970**	**270**	**970**	**0.78**	**2.5**	**0.24**	**0.89**	**0.28**	**1.2**	<0.12	<0.50	**0.51**	**2.2**	**0.51**	**2.2**	<0.55	<2.0
12/11/17	19	HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	8015M & 8260M	335	**270**	**1,100**	**300**	**1,100**	**0.85**	**2.7**	**0.27**	**1.0**	**0.21**	**0.9**	<0.12	<0.50	**0.37**	**1.6**	**0.37**	**1.6**	<0.55	<2.0
01/11/18	21	HW-1, HW-5, HW-7	8015M & 8260M	269	**240**	**970**	**270**	**970**	**1.1**	**3.4**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
02/12/18	21	HW-1, HW-5, HW-7	8015M & 8260M	148	**86**	**350**	**88**	**350**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
03/28/18	21	HW-1, HW-5, HW-7	8015M & 8260M	201	**160**	**670**	**170**	**670**	**0.59**	**1.9**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
04/02/18	21	HW-1, HW-5, HW-7	8015M & 8260M	191	**150**	**620**	**160**	**620**	**0.25**	**0.79**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
05/02/18	21	HW-1, HW-5, HW-7	8015M & 8260M	149	**110**	**470**	**150**	**470**	**0.16**	**0.50**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
06/06/18	21	HW-1, HW-5, HW-7	8015M & 8260M	95	**49**	**200**	**50**	**200**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
07/02/18	21	HW-1, HW-5, HW-7	8015M & 8260M	135	**120**	**490**	**120**	**490**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
08/06/18	21	HW-1, HW-5, HW-7	8015M & 8260M	134	**49**	**200**	**48**	**200**	**0.3**	**0.95**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
09/13/18	21	HW-1, HW-5, HW-7	8015M & 8260M	109	**49**	**200**	**50**	**200**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0

TABLE 4

Historical Summary of Analytical Vapor Sampling Results - Influent Carbon VES

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Sample Date	Notes	Vapor Extraction System Wells On Line	Laboratory Analysis Methods	GRO Field OVA Reading	GRO		VOCs as Hexane[A]		Benzene		Toluene		Ethylbenzene		o-Xylene		m,p-Xylenes		Total Xylenes		MTBE	
				(ppmv)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)
10/29/18	21	HW-1, HW-5, HW-7	8015M & 8260M	118	**66**	**270**	**59**	**270**	**0.44**	**1.4**	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
11/14/18	21	HW-1, HW-5, HW-7	8015M & 8260M	202	**200**	**800**	**170**	**800**	**1.3**	**4.2**	**0.69**	**2.6**	<0.12	<0.5	<0.12	<0.5	**0.35**	**1.5**	<0.35	<1.5	<0.55	<2.0
12/12/18	21	HW-1, HW-5, HW-7	8015M & 8260M	130	**98**	**400**	**87**	**400**	**0.59**	**1.9**	**0.21**	**0.79**	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
01/28/19	21	HW-1, HW-5, HW-7	8015M & 8260M	228	**220**	**880**	**190**	**880**	**1.3**	**4.0**	**0.27**	**1.0**	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
02/12/19	21, 22	HW-1, HW-5, HW-7	8015M & 8260M	258	**240**	**1,000**	**220**	**1,000**	**1.0**	**3.3**	**0.23**	**0.88**	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
04/03/19	21, 22	HW-1, HW-5, HW-7	8015M & 8260M	394	**73**	**300**	**65**	**300**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
11/25/19	23	HW-1, HW-5, HW-7, HW-8, HW-9	8015M & 8260M	164	**42**	**170**	**38**	**170**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.1	<0.35	<1.6	<0.55	<2.0
12/30/19		HW-1, HW-5, HW-7, HW-8, HW-9	8015M & 8260M	39	**7.1**	**29**	**6.3**	**29**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
01/15/20		HW-1, HW-5, HW-7, HW-8, HW-9	8015M & 8260M	15	**5.4**	**22**	<5.7	**22**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
02/18/20		HW-1, HW-5, HW-7, HW-8, HW-9	8015M & 8260M	12	<4.9	<20	<5.7	<20	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
02/27/20		HW-1, HW-5, HW-7, HW-8, HW-9	8015 & 8260B	16	<4.9	<20	<5.7	<20	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
03/16/20	24	HW-1, HW-5, HW-7	8015 & 8260B	105	**18.09**	**74**	**16**	**74**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
04/01/20	25	HW-1, HW-5, HW-7, HW-8, HW-9	8015 & 8260B	47	**8.31**	**34**	**7.5**	**34**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
04/15/20		HW-1, HW-5, HW-7, HW-8, HW-9	8015 & 8260B	87	**9.5**	**39**	**8.6**	**39**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
05/15/20		HW-1, HW-5, HW-7, HW-8, HW-9	8015 & 8260B	119	**17**	**68**	**15**	**68**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
06/22/20		HW-1, HW-5, HW-7, HW-8, HW-9	8015 & 8260B	151	**24**	**98**	**21**	**98**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
07/20/20		HW-1, HW-9, HW-7, Trunkline #1, Trunkline #2	8015 & 8260B	572	**98**	**400**	**79**	**400**	**0.19**	**0.6**	**0.16**	**0.59**	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
08/24/20		HW-1, HW-9, HW-7, Trunkline #1, Trunkline #2	8015 & 8260B	797	**93**	**380**	**69**	**380**	**0.17**	**0.53**	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
09/14/20		HW-1, HW-9, HW-7, Trunkline #2	8015 & 8260B	397	**44**	**180**	**33**	**180**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
10/05/20		HW-1, HW-9, HW-7	8015 & 8260B	80	**13**	**54**	**9.8**	**54**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
11/05/20	26	HW-1, HW-9, HW-7, Trunkline #2	8015 & 8260B	392	**34**	**140**	**25**	**140**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
11/30/20		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	398	**29**	**120**	**22**	**120**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
02/24/21		HW-1, HW-9, HW-5, HW-7	8015 & 8260B	38	<4.9	<20	<4.9	<20	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
03/08/21		HW-1, HW-8, HW-9, HW-5, HW-7	8015 & 8260B	53	**6.8**	**28**	**5.1**	**28**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
04/19/21		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	238	**22**	**90**	**16**	**90**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
06/08/21		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	177	**21**	**86**	**16**	**86**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
06/21/21		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	247	**18**	**73**	**13**	**73**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
07/07/21		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	196	**22**	**90**	**16**	**90**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
08/09/21		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	203	**17**	**69**	**13**	**69**	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.178	<0.75	<0.28	<1.0
09/20/21		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	155	**16**	**64**	**12**	**64**	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.178	<0.75	<0.28	<1.0

TABLE 4

Historical Summary of Analytical Vapor Sampling Results - Influent Carbon VES

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Sample Date	Notes	Vapor Extraction System Wells On Line	Laboratory Analysis Methods	GRO Field OVA Reading	GRO		VOCs as Hexane[A]		Benzene		Toluene		Ethylbenzene		o-Xylene		m,p-Xylenes		Total Xylenes		MTBE	
				(ppmv)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)
10/18/21		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	152	**14**	**56**	**10**	**56**	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.178	<0.75	<0.28	<1.0
11/10/21		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	191	**29**	**120**	**21**	**120**	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.178	<0.75	<0.28	<1.0
12/06/21		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	315	**46**	**190**	**35**	**190**	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.178	<0.75	<0.28	<1.0

Legend / Notes:

Data collected prior to April 2014 not verified for completeness nor accuracy.

- Reported concentrations are shown in bold.

Influent vapor sample inadvertently not collected during August 2016.

VES = Vapor extraction system

GRO = Gasoline range organics

MTBE = Methyl tertiary-butyl ether

OVA = Organic Vapor Analyzer (calibrated or correlated to Hexane)

ppmv = Parts per million by volume

µg/L = Micrograms per liter

-- = Not available or not analyzed

<0.1 = Not detected at or above the Method Reporting Limit (MRL) shown

A = Laboratory reporting Gasoline Range Organics (GRO) as Hexane prior to 11-05-20.

1 = VES manually shut down on 05/29/14.
2 = VES restarted.
3 = Closed vapor extraction wells VEW-35, VEW-36, and VEW-37 on 08/27/14 based on field readings (see Table 9A for details).
4 = VES manually shut down.
5 = VES restarted on 11/03/14.
6 = Select soil biopiles also on line.
7 = Closed all vapor extraction wells from 05/07/15 to 06/03/15, and 05/25/16 to 06/17/16, respectively, to focus extraction efforts on soil biopiles.
8 = Opened vapor extraction wells VEW-32, VEW-33 and VEW-34.
9 = Additional sample collected for laboratory analysis as part of field instrument correlation study.
10 = Opened vapor extraction wells HW-1, HW-3 and HW-5 on 08/10/15 based on field PID readings (see Table 9A for details).
11 = Closed vapor extraction well VEW-34 on 08/19/15 based on low to non-detectable lab results (see Table 10 for details).
12 = Opened vapor extraction wells HW-1, HW-3 and HW-5 on 06/17/16.
13 = Valves associated with vapor extraction wells HW-1, HW-3, HW-5 and/or HW-7 each set to a partially open position while leaving all other wells closed to focus extraction efforts on soil biopiles.
14 = Resumed vapor extraction from well HW-7 based on field PID readings (see Table 9A for details).
15 = Valves associated with vapor extraction wells HW-1, HW-3, HW-5 and/or HW-7 each set to optimize system in accordance with recent field readings and/or lab data since completion of ex-situ remediation project on 03/20/17.
16 = Additional sample collected for laboratory analysis after disconnecting all soil biopiles and optimizing system on 03/20/17 (i.e., with extraction efforts again focused on in-situ remediation following completion of ex-situ remediation project).
17 = Wells VEW-38, VEW-39 and VEW-40 tied into system during late June 2017 following installation per SGI's March 14, 2017 *Well Replacement Report and Work Plan.*
18 = Wells RW-1, RW-2, RW-7, RW-9, RW-12, RW-13, RW-18, RW-20 through RW-24, RW-26, and RW-28 through RW-33 tied into system during early August 2017 following installation per SGI's June 30, 2017 *Remediation Well Installation Update Report.*
19 = For full list of wells online, see SGI's November 15, 2017 *Remediation Status Report - Third Quarter 2017* and *February 15, 2018 Remediation Status Report - Fourth Quarter 2017,* respectively.
20 = Opened dilution valve approximately 10% to reduce carbon usage rate.
21 = Closed dilution valve and focused extraction efforts on relatively low concentration horizontal wells to reduce carbon usage with all other higher concentration vertical wells being connected to the thermal oxidizer (see Table 8 for details).
22 = No sample collected for analysis during March 2019 due to site condition and system operation status.
23 = System restart on 10/30/19 after installation of new blower.
24 = System shut down 3/31/20 due to high effluent value permit exceedence on 3/16/20.
25 = Resampled and restarted system on 4/3/20 upon return to permit compliance.
26 = Laboratory reporting Gasoline Range Organics (GRO) as Hexane prior to 11-05-20.

TABLE 5A

Thermal Oxidizer Vapor Extraction System Operations Summary - October

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	VES Hour Meter Reading (hours)	VES Process Flow [A] (scfm)	VES Manifold Vacuum (in. WC)	Oxidizer Inlet Temperature TE1 Excess Controller (°F)	Laboratory Process GRO Concentration (ppmv)	Field Inlet Process Oxidizer Concentration [B,C] (ppmv)	Field Effluent Concentration [B,C] (ppmv)	Cumulative Vapor-Phase GRO Removed [D] (lb)
10/01/21	*		16,189	769	--	--	--	--	--	310,208
10/02/21	*		16,213	769	--	--	--	--	--	310,332
10/03/21	*		16,237	769	--	--	--	--	--	310,457
10/04/21	*		16,261	769	--	--	--	--	--	310,581
10/05/21	Technician		16,285	825	67	806	--	414	5	310,715
10/06/21	*		16,309	825	--	--	--	--	--	310,846
10/07/21	*		16,332	825	--	--	--	--	--	310,978
10/08/21	*		16,356	825	--	--	--	--	--	311,109
10/09/21	*		16,380	825	--	--	--	--	--	311,240
10/10/21	*		16,403	825	--	--	--	--	--	311,372
10/11/21	*		16,427	825	--	--	--	--	--	311,503
10/12/21	*		16,450	825	--	--	--	--	--	311,635
10/13/21	Technician		16,474	759	66	804	--	428	1	311,756
10/14/21	*		16,499	759	--	--	--	--	--	311,883
10/15/21	*		16,524	759	--	--	--	--	--	312,010
10/16/21	*		16,548	759	--	--	--	--	--	312,136
10/17/21	*		16,573	759	--	--	--	--	--	312,263
10/18/21	Technician	1	16,598	783	68	799	330	436	2	312,394
10/19/21	*		16,616	783	--	--	--	--	--	312,487
10/20/21	Technician		16,633	783	--	--	--	--	--	312,579
10/21/21	*		16,658	783	--	--	--	--	--	312,711
10/22/21	*		16,683	783	--	--	--	--	--	312,843
10/23/21	*		16,708	783	--	--	--	--	--	312,975
10/24/21	*		16,733	783	--	--	--	--	--	313,107
10/25/21	*		16,758	783	--	--	--	--	--	313,239
10/26/21	*		16,783	783	--	--	--	--	--	313,371
10/27/21	Technician		16,808	808	69	798	--	408	5	313,507
10/28/21	*		16,832	808	--	--	--	--	--	313,637
10/29/21	*		16,856	808	--	--	--	--	--	313,767
10/30/21	*		16,879	808	--	--	--	--	--	313,896
10/31/21	*		16,903	808	--	--	--	--	--	314,026

Cumulative Mass TPHg Removed by the VES [D] (lb)			
Period	October	Quarter 4 to Date	January 2018 to Date
Mass	3,942.5	3,942.5	321,867.0

$$Vapor\text{-}Phase\ TPHg\ Mass\ [lb] = \left(Conc.\left[\frac{\mu g}{L}\right]\right) \bullet \left(\frac{28.32\ L}{ft^3}\right) \bullet \left(\frac{1\ g}{1{,}000{,}000\ \mu g}\right) \left(\frac{1\ lb}{453.59\ g}\right) \bullet (Flow\ [scfm]) \bullet \left(\frac{60\ min}{hr}\right) \bullet (OpTime\ [hrs])$$

Legend / Notes:

1 = Collected monthly influent and effluent samples for laboratory analysis.

System operating under SCAQMD Permit #G52288

Vapor extraction wells on line this month (grouped by location):
Central Area - (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18,RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-8), (RW-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-30), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)

VES = Soil vapor extraction system
scfm = Standard cubic feet per minute
ppmv = Parts per million by volume
in. Hg = Inches of mercury
°F = Degrees Fahrenheit
lb = Pounds

A = Reading measured using Dwyer DS-300 flow sensor.
B = Concentrations obtained with a calibrated organic vapor analyzer.
C = Concentrations correlated to laboratory data and expressed as hexane.
D = Hydrocarbon removal is calculated using analytical laboratory result for GRO (if not detected, half the detection limit is used) from samples collected this month (laboratory report attached).

NA = Not available
-- = Not applicable or not measured
* = Operational values interpolated from chart recorder data or previous monitoring event.

TABLE 5B

Thermal Oxidizer Vapor Extraction System Operations Summary - November

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	VES Hour Meter Reading (hours)	VES Process Flow [A] (scfm)	VES Manifold Vacuum (in. WC)	Oxidizer Inlet Temperature TE1 Excess Controller (°F)	Laboratory Process GRO Concentration (ppmv)	Field Inlet Process Oxidizer Concentration [B,C] (ppmv)	Field Effluent Concentration [B,C] (ppmv)	Cumulative Vapor-Phase GRO Removed [D] (lb)
11/01/21	Technician		16,927	775	68	803	--	388	5	314,199
11/02/21	*		16,951	775	--	--	--	--	--	314,371
11/03/21	*		16,975	775	--	--	--	--	--	314,543
11/04/21	*		16,998	775	--	--	--	--	--	314,716
11/05/21	*		17,022	775	--	--	--	--	--	314,888
11/06/21	*		17,046	775	--	--	--	--	--	315,061
11/07/21	*		17,070	775	--	--	--	--	--	315,233
11/08/21	*		17,093	775	--	--	--	--	--	315,405
11/09/21	Technician		17,117	784	68	811	--	446	2	315,580
11/10/21	Technician	1	17,142	784	--	--	450	--	--	315,761
11/11/21	*		17,166	784	--	--	--	--	--	315,941
11/12/21	*		17,191	784	--	--	--	--	--	316,122
11/13/21	*		17,216	784	--	--	--	--	--	316,303
11/14/21	*		17,240	784	--	--	--	--	--	316,484
11/15/21	*		17,265	784	--	--	--	--	--	316,665
11/16/21	*		17,289	784	--	--	--	--	--	316,845
11/17/21	Technician		17,314	733	68	810	--	508	3	317,014
11/18/21	*		17,337	733	--	--	--	--	--	317,171
11/19/21	*		17,360	733	--	--	--	--	--	317,327
11/20/21	*		17,382	733	--	--	--	--	--	317,484
11/21/21	*		17,405	733	--	--	--	--	--	317,640
11/22/21	Technician		17,428	823	68	819	--	506	4	317,816
11/23/21	*		17,453	823	--	--	--	--	--	318,008
11/24/21	*		17,478	823	--	--	--	--	--	318,200
11/25/21	*		17,503	823	--	--	--	--	--	318,391
11/26/21	*		17,528	823	--	--	--	--	--	318,583
11/27/21	*		17,552	823	--	--	--	--	--	318,775
11/28/21	*		17,577	823	--	--	--	--	--	318,967
11/29/21	*		17,602	823	--	--	--	--	--	319,158
11/30/21	Technician		17,627	784	68	816	--	460	4	319,341

Cumulative Mass TPHg Removed by the VES [D] (lb)			
Period	November	Quarter 4 to Date	January 2018 to Date
Mass	5,315.0	9,257.5	327,182.0

$$Vapor\text{-}Phase\ TPHg\ Mass\ [lb] = \left(Conc.\left[\frac{\mu g}{L}\right]\right) \bullet \left(\frac{28.32\ L}{ft^3}\right) \bullet \left(\frac{1\ g}{1{,}000{,}000\ \mu g}\right) \left(\frac{1 lb}{453.59\ g}\right) \bullet \left(Flow\left[scfm\right]\right) \bullet \left(\frac{60\ min}{hr}\right) \bullet \left(OpTime\left[hrs\right]\right)$$

Legend / Notes:

1 = Collected monthly influent and effluent samples for laboratory analysis.

System operating under SCAQMD Permit #G52288

Vapor extraction wells on line this month (grouped by location):

Central Area - (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18,RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-8), (RW-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-30), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)

VES = Soil vapor extraction system
scfm = Standard cubic feet per minute
ppmv = Parts per million by volume
in. Hg = Inches of mercury
°F = Degrees Fahrenheit
lb = Pounds

A = Reading measured using Dwyer DS-300 flow sensor.
B = Concentrations obtained with a calibrated organic vapor analyzer.
C = Concentrations correlated to laboratory data and expressed as hexane.
D = Hydrocarbon removal is calculated using analytical laboratory result for GRO (if not detected, half the detection limit is used) from samples collected this month (laboratory report attached).

NA = Not available
-- = Not applicable or not measured
* = Operational values interpolated from chart recorder data or previous monitoring event.

TABLE 5C

Thermal Oxidizer Vapor Extraction System Operations Summary - December

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	VES Hour Meter Reading (hours)	VES Process Flow [A] (scfm)	VES Manifold Vacuum (in. WC)	Oxidizer Inlet Temperature TE1 Excess Controller (°F)	Laboratory Process GRO Concentration (ppmv)	Field Inlet Process Oxidizer Concentration [B,C] (ppmv)	Field Effluent Concentration [B,C] (ppmv)	Cumulative Vapor-Phase GRO Removed [D] (lb)
12/01/21	*		17,651	784	--	--	--	--	--	319,506
12/02/21	*		17,675	784	--	--	--	--	--	319,690
12/03/21	*		17,700	784	--	--	--	--	--	319,875
12/04/21	*		17,724	784	--	--	--	--	--	320,059
12/05/21	*		17,748	784	--	--	--	--	--	320,244
12/06/21	Technician	1	17,772	716	66	809	470	458	4	320,412
12/07/21	*		17,796	716	--	--	--	--	--	320,579
12/08/21	*		17,820	716	--	--	--	--	--	320,745
12/09/21	*		17,844	716	--	--	--	--	--	320,912
12/10/21	*		17,867	716	--	--	--	--	--	321,078
12/11/21	*		17,891	716	--	--	--	--	--	321,244
12/12/21	*		17,915	716	--	--	--	--	--	321,411
12/13/21	Technician		17,939	790	70	810	--	476	3	321,594
12/14/21	Technician	2	17,957	0	--	--	--	--	--	321,594
12/15/21	Technician	3	17,976	790	--	--	--	--	--	321,735
12/16/21	*		17,994	790	--	--	--	--	--	321,875
12/17/21	Technician		18,012	790	--	--	--	--	--	322,016
12/18/21	*		18,034	790	--	--	--	--	--	322,187
12/19/21	*		18,057	790	--	--	--	--	--	322,358
12/20/21	*		18,079	790	--	--	--	--	--	322,529
12/21/21	Technician	4	18,101	0	--	--	--	--	--	322,529
12/22/21	Technician	3	18,103	767	62	803	--	470	2	322,544
12/23/21	*		18,127	767	--	--	--	--	--	322,720
12/24/21	*		18,150	767	--	--	--	--	--	322,895
12/25/21	*		18,174	767	--	--	--	--	--	323,071
12/26/21	*		18,197	767	--	--	--	--	--	323,246
12/27/21	*		18,221	767	--	--	--	--	--	323,422
12/28/21	Technician		18,244	647	64	808	--	500	3	323,570
12/29/21	*		18,268	647	--	--	--	--	--	323,718
12/30/21	*		18,291	647	--	--	--	--	--	323,867
12/31/21	*		18,315	647	--	--	--	--	--	324,015

Cumulative Mass TPHg Removed by the VES [A] (lb)			
Period	December	Quarter 4 to Date	January 2018 to Date
Mass	5,048.7	14,306.1	331,856.3

$$Vapor\text{-}Phase\ TPHg\ Mass\ [lb] = \left(Conc.\left[\frac{\mu g}{L}\right]\right) \bullet \left(\frac{28.32\ L}{ft^3}\right) \bullet \left(\frac{1\ g}{1{,}000{,}000\ \mu g}\right) \left(\frac{1 lb}{453.59 g}\right) \bullet \left(Flow\ [scfm]\right) \bullet \left(\frac{60\ min}{hr}\right) \bullet \left(OpTime [hrs]\right)$$

Legend / Notes:

1 = Collected monthly influent and effluent samples for laboratory analysis.

2 = VES automatically shut down due to power failure.

3 = VES restarted.

4 = VES manually shut down for Biosparge system influence testing.

System operating under SCAQMD Permit #G52288

Vapor extraction wells on line this month (grouped by location):
Central Area - (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18,RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-8), (RW-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-30), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)

VES = Soil vapor extraction system
scfm = Standard cubic feet per minute
ppmv = Parts per million by volume
in. Hg = Inches of mercury
°F = Degrees Fahrenheit
lb = Pounds

A = Reading measured using Dwyer DS-300 flow sensor.

B = Concentrations obtained with a calibrated organic vapor analyzer.

C = Concentrations correlated to laboratory data and expressed as hexane.

D = Hydrocarbon removal is calculated using analytical laboratory result for GRO (if not detected, half the detection limit is used) from samples collected this month (laboratory report attached).

NA = Not available

-- = Not applicable or not measured

* = Operational values interpolated from chart recorder data or previous monitoring event.

TABLE 6

Historical Summary of Analytical Vapor Sampling Results - Influent Thermal Oxidizer VES

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Sample Date	Notes	VES Wells On Line	Laboratory Analysis Methods	GRO Field OVA Reading	GRO		VOCs as Hexane[A]		Benzene		Ethylbenzene		MTBE		Toluene		o-Xylene		m,p-Xylenes		Total Xylenes	
				(ppmv)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)
01/11/18	1,2,3	HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-1, RW-9, RW-13, RW-18 and RW-26	8015M & 8260M	**1,942**	370	1500	380	1,500	<0.16	<0.50	<0.12	<0.50	<0.55	<2.0	<0.13	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5
03/14/18	2,4,5,6	HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-1, -4, -5, -7, -9, -10, -11, -13, -14, -18 and -26	8015M & 8260M	**2,193**	370	1500	380	1,500	0.41	1.3	<0.12	<0.50	<0.55	<2.0	<0.13	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5
04/02/18	2	HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-1, -4, -5, -7, -9, -10, -11, -13, -14, -18 and -26	8015M & 8260M	**1,370**	1,700	7,100	1,800	7,100	4.1	13	**0.28**	**1.2**	<0.55	<2.0	<0.13	<0.50	<0.12	<0.50	0.76	3.3	<0.35	<1.5
05/02/18	2	HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-1, -4, -5, -7, -9, -10, -11, -13, -14, -18 and -26	8015M & 8260M	**1,380**	780	3,200	820	3,200	3.0	9.6	<0.12	<0.50	<0.55	<2.0	<0.13	<0.50	<0.12	<0.50	0.28	1.2	<0.35	<1.5
06/06/18	2,6,7	HW-1, HW-5, HW-7, VEW-39, RW-1, -4, -9, -10, -11, -13, -14 and -18	8015M & 8260M	**1,531**	**1,000**	**4,100**	**990**	**4,100**	**4.1**	**13**	**0.17**	**0.72**	<0.55	<2.0	<0.13	<0.50	<0.12	<0.50	**0.53**	**2.3**	<0.35	<1.5
07/02/18	2,6	RW-1, -4, -5, -9, -10, -11, -13, -18, -22, -29, -23, -24, -26, -27, -28, -30, -31, -32, -33, -36, -37, -40, -41, -42, -43, -44, -45, -47, -48, -49, -50, VEW-40	8015M & 8260M	**890**	560	2,300	560	2,300	2.2	7.1	<0.23	<1.0	<1.1	<4.0	<0.27	<1.0	<0.23	<1.0	0.55	2.4	<0.35	<1.5
08/06/18	2,6	RW-1, -4, -5, -9, -10, -11, -13, -18, -22, -29, -23, -24, -26, -27, -28, -30, -31, -32, -33, -36, -37, -40, -41, -42, -43, -44, -45, -47, -48, -49, -50, VEW-40	8015M & 8260M	**876**	710	2,900	710	2,900	0.88	2.8	**0.23**	**1.0**	<0.55	<2.0	**0.58**	**2.2**	0.25	1.1	0.92	4.0	<0.35	<1.5
09/13/18	2,6	RW-1, -4, -5, -9, -10, -11, -13, -18, -22, -29, -23, -24, -26, -27, -28, -30, -31, -32, -33, -36, -37, -40, -41, -42, -43, -44, -45, -47, -48, -49, -50, VEW-40	8015M & 8260M	**935**	930	3,800	930	3,800	**1.9**	**6.0**	**0.41**	**1.8**	<0.28	<1.0	**0.34**	**1.3**	**0.18**	**0.77**	**0.94**	**4.1**	<0.35	<1.5
10/29/18	2,6	RW-1, -4, -5, -9, -10, -11, -14, -18, -22, -23, -24, -26, -27, -28, -29, -30, -31, -32, -33, -35, -36, -37, -38, -40, -41, -42, -44, -45, -47, -48, -49, -50, VEW-40	8015M & 8260M	**791**	440	1,800	390	1,800	**0.97**	**3.1**	<0.12	<0.5	<0.55	<2.0	<0.13	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5
11/14/18	2,6	RW-1, -4, -5, -9, -10, -11, -14, -18, -22, -23, -24, -26, -27, -28, -29, -30, -31, -32, -33, -35, -36, -37, -38, -40, -41, -42, -44, -45, -47, -48, -49, -50, VEW-40	8015M & 8260M	**794**	640	2,600	560	2,600	**1.6**	**5.1**	**0.18**	**0.77**	<0.55	<2.0	<0.13	<0.5	<0.12	<0.5	**0.41**	**1.8**	<0.35	<1.5
12/17/18	2,6,8	RW-1, -4, -5, -9, -10, -11, -14, -18, -22, -23, -24, -26, -27, -28, -29, -30, -31, -32, -33, -35, -36, -37, -38, -40, -41, -42, -44, -45, -47, -48, -49, -50, VEW-40	8015M & 8260M	**968**	220	900	200	900	**0.47**	**1.5**	<0.12	<0.5	<0.55	<2.0	<0.13	<0.5	<0.12	<0.5	<0.23	<1.0	<0.38	<1.8
03/19/19	2,6,9	RW-1, -4, -5, -9, -10, -11, -18, -22, -23, -24, -26, -27, -28, -29, -30, -31, -32, -33, -35, -37, -40, -41, -42, -43, -44, -45, -47, -48, -49, and -50; VEW-40; TFR-5, -7, -9, -10, -11, -13, -16, -19, -21, -24, -26, -28, -30, -35, -36, and -37	8015M & 8260M	**766**	**270**	**1,100**	**240**	**1,100**	**0.72**	**2.3**	<0.12	<0.50	<0.55	<2.0	<0.13	<0.50	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5
04/03/19	2,6,9	RW-1, -4, -5, -9, -10, -11, -18, -22, -23, -24, -26, -27, -28, -29, -30, -31, -32, -33, -35, -37, -40, -41, -42, -43, -44, -45, -47, -48, -49, and -50; VEW-40; TFR-5, -7, -9, -10, -11, -13, -16, -19, -21, -24, -26, -28, -30, -35, -36, and -37	8015M & 8260M	**1,984**	**210**	**860**	**190**	**860**	**0.28**	**0.91**	<0.12	<0.50	<0.55	<2.0	<0.13	<0.50	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5
04/22/19	2,6,9	RW-1, -4, -5, -9, -10, -11, -18, -22, -23, -24, -26, -27, -28, -29, -30, -31, -32, -33, -35, -37, -40, -41, -42, -43, -44, -45, -47, -48, -49, and -50; VEW-40; TFR-5, -7, -9, -10, -11, -13, -16, -19, -21, -24, -26, -28, -30, -35, -36, and -37	8015M & 8260M	**2,410**	**660**	**2,700**	**600**	**2,700**	**2.9**	**9.2**	**0.28**	**1.2**	<0.55	<2.0	<0.13	<0.50	**0.13**	**0.58**	**0.41**	**1.8**	**0.54**	**2.38**
05/06/19	2,6,9	RW-1, -4, -5, -9, -10, -11, -18, -22, -23, -24, -26, -27, -28, -29, -30, -31, -32, -33, -35, -37, -40, -41, -42, -43, -44, -45, -47, -48, -49, and -50; VEW-40; TFR-5, -7, -9, -10, -11, -13, -16, -19, -21, -24, -26, -28, -30, -35, -36, and -37	8015M & 8260M	**1,860**	**710**	**2,900**	**630**	**2,900**	**3.8**	**12**	**0.46**	**2.0**	<0.55	<2.0	<0.13	<0.50	<0.12	<0.50	**0.64**	**2.8**	**0.64**	**2.8**
06/06/19	2,6,9	RW-1, -4, -5, -9, -10, -11, -18, -22, -23, -24, -26, -27, -28, -29, -30, -31, -32, -33, -35, -37, -40, -41, -42, -43, -44, -45, -47, -48, -49, and -50; VEW-40; TFR-5, -7, -9, -10, -11, -12, -13, -14, -15, -16, -18, -19, -21, -22, -24, -26, -28, -29, -30, -32, -33, TF-17, TFR-18, TFR-19, TFR-22, TFR-25, TF-18, RTF-18-E, RTF-18-NW	8015M & 8260M	**5,375**	**950**	**3,900**	**860**	**3,900**	**5.3**	**17**	**0.25**	**1.1**	<0.55	<2.0	**0.21**	**0.8**	<0.12	<0.5	**0.46**	**2.0**	**0.46**	**2.0**

TABLE 6

Historical Summary of Analytical Vapor Sampling Results - Influent Thermal Oxidizer VES

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Sample Date	Notes	VES Wells On Line	Laboratory Analysis Methods	GRO Field OVA Reading	GRO		VOCs as Hexane[A]		Benzene		Ethylbenzene		MTBE		Toluene		o-Xylene		m,p-Xylenes		Total Xylenes	
				(ppmv)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)
07/10/19	2,6,9	Central Area - (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, RFR-19, TFR-22), (TFR-13, TFR-14, TFR-15, TFR-16), (TRF-5, TFR-7, TFR-9, TFR-10, TFR-12); Eastern Area - (RW-1, RW-11, RW-18, RW-13, RW-4, RW-5, RW-9, RW-10, TFR-21, TFR-26, TFR-27, TFR-28, TFR-34); Southern Area - (RW-23, RW-30, RW-31, RW-32, VEW-40, RW-26, RW-28, RW-24, RW-27, RW-33, RW-43, RW-22, RW-29, RW-45, RW-35, RW-40, RW-44, RW-36, RW-37, RW-41, RW-42, RW-47, RW-48, RW-49, RW-50).	8015M & 8260M	**1,962**	**2,100**	**8,500**	**1,900**	**8,500**	**5.3**	**17**	**0.37**	**1.6**	<0.55	<2.0	**0.58**	**2.2**	**0.25**	**1.1**	**0.78**	**3.4**	**1.03**	**4.5**
08/05/19	6	Central Area - (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, RFR-19, TFR-22), (TFR-13, TFR-14, TFR-15, TFR-16), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-18), (RW-13), (RW-4, RW-5, RW-9, RW-10); Southern Area -(RW-23), (RW-30, RW-31, RW-32), (VEW-40, RW-26, RW-28), (RW-24, RW-27, RW-33, RW-43), (RW-22, RW-29, RW-45), (RW-35, RW-40, RW-44), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50).	8015M & 8260M	**2,620**	**2,700**	**11,000**	**2,500**	**11,000**	**6.6**	**21**	**0.37**	**1.6**	<0.55	<2.0	**0.77**	**2.9**	**0.25**	**1.1**	**0.94**	**4.1**	**1.19**	**5.2**
09/09/19	6	Central Area -(TFR-21, TFR-26, TFR-27, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, RFR-19, TFR-22), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-13), (RW-4, RW-5, RW-9, RW-10); Southern Area -(RW-23), (RW-30, RW-31, RW-32), (VEW-40, RW-26, RW-28), (RW-24, RW-27, RW-33, RW-43), (RW-22, RW-29, RW-45), (RW-35, RW-40, RW-44), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50).	8015M & 8260M	**2,180**	**2,300**	**9,600**	**2,100**	**9,600**	**5.0**	**16**	**1.0**	**4.4**	<0.55	<2.0	**0.72**	**2.7**	**0.28**	**1.2**	**1.6**	**6.9**	**7.18**	**8.1**
10/31/19		Central Area - (TFR-21, TFR-26, TFR-27, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, RFR-19, TFR-22), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-13, RW-14), (RW-4, RW-5, RW-9, RW-10); Southern Area -(RW-30, RW-31, RW-32), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40, RW-44), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50).	8015M & 8260M	**2,176**	**3,400**	**14,000**	**3,100**	**14,000**	**5.6**	**18**	**0.92**	**4.0**	<0.55	<2.0	**0.61**	**2.3**	**0.46**	**2.0**	**2.2**	**9.7**	**2.66**	**12**
11/20/19		Central Area - (TFR-21, TFR-26, TFR-27, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, RFR-19, TFR-22), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-13, RW-14), (RW-4, RW-5, RW-9, RW-10); Southern Area -(RW-30, RW-31, RW-32), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40, RW-44), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50).	8015M & 8260M	**1,290**	**3,200**	**13,000**	**2,800**	**13,000**	**2.0**	**6.5**	**0.83**	**3.6**	<0.55	<2.0	**0.53**	**2.0**	**0.39**	**1.7**	**1.3**	**5.8**	**1.69**	**7.5**
12/16/19		Central Area - (TFR-21, TFR-26, TFR-27, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, RFR-19, TFR-22), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-13, RW-14), (RW-4, RW-5, RW-9, RW-10); Southern Area -(RW-30, RW-31, RW-32), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40, RW-44), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50).	8015M & 8260M	**1,566**	**3,400**	**14,000**	**3,000**	**14,000**	**5.0**	**16**	**1.0**	**4.4**	<0.55	<2.0	**0.72**	**2.7**	**0.28**	**1.2**	**1.6**	**6.9**	**1.88**	**8.1**
1/15/2020		Central Area - (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-23, TFR-24, TFR-30, TFR-33), (TFR-17, TFR-18, RFR-19, TFR-22), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-7), (RW-13, RW-14), (RW-4, RW-9, RW-10); Southern Area -(RW-30, RW-31, RW-32), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50).	8015M & 8260M	**1,446**	**2,400**	**10,000**	**2,300**	**10,000**	**2.20**	**7.10**	**0.69**	**3.00**	<1.1	<4	**0.93**	**3.50**	**0.62**	**2.70**	**1.70**	**7.40**	**2.32**	**10**
2/18/2020		Central Area - (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-23, TFR-24, TFR-30, TFR-33), (TFR-17, TFR-18, RFR-19, TFR-22), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-7), (RW-13, RW-14), (RW-4, RW-9, RW-10); Southern Area -(RW-30, RW-31, RW-32), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50).	8015M & 8260M	**996**	**1,900**	**7,800**	**1,700**	**7,800**	**2.10**	**6.80**	**0.55**	**2.40**	<.55	<2	**0.80**	**3.00**	**0.55**	**2.40**	**1.40**	**6.20**	**1.95**	**8.6**

TABLE 6

Historical Summary of Analytical Vapor Sampling Results - Influent Thermal Oxidizer VES

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Sample Date	Notes	VES Wells On Line	Laboratory Analysis Methods	GRO Field OVA Reading	GRO		VOCs as Hexane[A]		Benzene		Ethylbenzene		MTBE		Toluene		o-Xylene		m,p-Xylenes		Total Xylenes	
				(ppmv)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)
3/16/2020		Central Area - (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TFR-29, TFR-32, TFR-35, TFR-36, TFR-37), (TFR-17, TFR-18, RFR-19, TFR-22, TFR-25), (TFR-11, TFR-13, TFR-14, TFR-15), (TFR-5, TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1,RW-6, RW-15, RW-16, RW-17), (VEW-32, VEW-37, RW-2, RW-7, RW-11), (VEW-33, VEW-36, RW-8, RW-12, RW-18), (VEW-34, VEW-35, RW-13, RW-14), (RW-3, RW-4, RW-5, RW-9, RW-10); Southern Area -(RW-19, RW-20, RW-22, RW-29, RW-45), (RW-35, RW-38, RW-39, RW-40 RW-44), (RW-36, RW-37, RW-41, RW-42, RW-46), (RW-47, RW-48, RW-49, RW-50).	8015M & 8260M	**864**	**1,198**	**4,900**	**313**	**1,100**	**1.94**	**6.20**	**0.41**	**1.80**	<.55	<2	**0.74**	**2.80**	**0.48**	**2.10**	**1.22**	**5.30**	**1.7**	**7.4**
4/15/2020		Central Area - (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TFR-29, TFR-32, TFR-35, TFR-36, TFR-37), (TFR-17, TFR-18, RFR-19, TFR-22, TFR-25), (TFR-11, TFR-13, TFR-14, TFR-15), (TFR-5, TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1,RW-6, RW-15, RW-16, RW-17), (VEW-32, VEW-37, RW-2, RW-7, RW-11), (VEW-33, VEW-36, RW-8, RW-12, RW-18), (VEW-34, VEW-35, RW-13, RW-14), (RW-3, RW-4, RW-5, RW-9, RW-10); Southern Area -(RW-19, RW-20, RW-22, RW-29, RW-45), (RW-35, RW-38, RW-39, RW-40 RW-44), (RW-36, RW-37, RW-41, RW-42, RW-46), (RW-47, RW-48, RW-49, RW-50),	8015M & 8260M	**606**	**830**	**3,400**	**740**	**3,400**	**0.94**	**3.00**	**0.18**	**0.80**	<.55	<2	**0.42**	**1.60**	**0.25**	**1.10**	**0.55**	**2.40**	**0.8**	**3.5**
5/15/2020		Central Area - (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-23, TFR-24, TFR-30, TFR-33), (TFR-17, TFR-18, TFR-19, TFR-22), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-7), (RW-8), (RW-13, RW-14), (RW-3, RW-4, RW-9, RW-10); Southern Area -(RW-30, RW-31, RW-32), (VEW-40, RW-26, RW-28), (RW-33), (RW-22, RW-29), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50).	8015M & 8260M	**522**	**1,100**	**4,600**	**960**	**4,600**	**0.78**	**2.50**	**0.28**	**1.20**	<.55	<2	**0.48**	**1.80**	**0.37**	**1.60**	**0.88**	**3.80**	**1.25**	**5.4**
6/22/2020		Central Area - (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-23, TFR-24, TFR-30, TFR-33), (TFR-17, TFR-18, TFR-19), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-7), (RW-8), (RW-13, RW-14), (RW-3, RW-4, RW-9, RW-10); Southern Area -(RW-30, RW-31, RW-32), (VEW-40, RW-26, RW-28), (RW-33), (RW-22, RW-29), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50).	8015M & 8260M	**708**	**1,900**	**7,700**	**1,700**	7,700	**1.50**	**4.90**	**0.20**	**0.86**	<.55	<2	**0.32**	**1.20**	**0.30**	**1.30**	**0.60**	**2.60**	**0.9**	**3.9**
7/20/2020		Central Area - (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-23, TFR-24, TFR-30, TFR-33), (TFR-17, TFR-18, TFR-19), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12), (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34); Eastern Area - (RW-1), (RW-7), (RW-8), (RW-13, RW-14), (RW-3, RW-4, RW-9, RW-10); Southern Area -(RW-30, RW-31, RW-32), (VEW-40, RW-26, RW-28), (RW-33), (RW-22, RW-29), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50).	8015 & 8260B	**630**	**950**	**3,900**	--	**3,900**	**1.10**	**3.50**	**0.21**	**0.91**	<0.55	<2.0	**0.42**	**1.60**	**0.48**	**2.10**	**0.71**	**3.10**	**1.19**	**5.2**
9/14/2020		Central Area - (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-23, TFR-24, TFR-30, TFR-33), (TFR-17, TFR-18, TFR-19), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12), (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34); Eastern Area - (RW-1), (RW-7), (RW-8), (RW-13, RW-14), (RW-3, RW-4, RW-9, RW-10); Southern Area -(RW-30, RW-31, RW-32), (VEW-40, RW-26, RW-28), (RW-33), (RW-22, RW-29), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50).	8015 & 8260B	**748**	**1,900**	**7,700**	--	**7,700**	**3.40**	**11.00**	**0.35**	**1.50**	<0.55	<2.0	**0.40**	**1.50**	**0.35**	**1.50**	**0.85**	**3.70**	**1.2**	**5.2**

TABLE 6

Historical Summary of Analytical Vapor Sampling Results - Influent Thermal Oxidizer VES

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Sample Date	Notes	VES Wells On Line	Laboratory Analysis Methods	GRO Field OVA Reading	GRO		VOCs as Hexane[A]		Benzene		Ethylbenzene		MTBE		Toluene		o-Xylene		m,p-Xylenes		Total Xylenes	
				(ppmv)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)
10/5/2020		Central Area - (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12), (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34); Eastern Area - (RW-1), (RW-7), (RW-8), (RW-13, RW-14), (RW-3, RW-4, RW-9, RW-10); Southern Area -(RW-30, RW-31, RW-32), (VEW-40, RW-26, RW-28), (RW-33), (RW-22, RW-29), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50).	8015 & 8260B	**582**	**1,300**	**5,300**	**--**	**5,300**	**1.20**	**3.90**	**0.22**	**0.96**	<0.55	<2.0	**0.58**	**2.20**	**0.25**	**1.10**	**0.62**	**2.70**	**0.87**	**3.8**
11/4/2020		Central Area - (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12), (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34); Eastern Area - (RW-1), (RW-7), (RW-8), (RW-13, RW-14), (RW-3, RW-4, RW-9, RW-10); Southern Area -(RW-30), (VEW-40, RW-26, RW-28), (RW-29), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49).	8015 & 8260B	**554**	**1,900**	**7,900**	**1,400**	**7,900**	**1.20**	**3.90**	**0.32**	**1.40**	<0.55	<2.0	**0.85**	**3.20**	**0.35**	**1.50**	**0.81**	**3.50**	**1.16**	**5.0**
12/7/2020		Central Area - (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12), (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34); Eastern Area - (RW-1), (RW-7), (RW-8), (RW-13, RW-14), (RW-3, RW-4, RW-9, RW-10); Southern Area -(RW-30), (VEW-40, RW-26, RW-28), (RW-29), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49).	8015 & 8260B	**512**	**1,300**	**5,500**	**1,000**	**5,500**	**0.94**	**3.00**	**0.35**	**1.50**	<0.55	<2.0	**0.74**	**2.80**	**0.37**	**1.60**	**0.85**	**3.70**	**1.22**	**5.3**
1/28/2021		Central Area - (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12), (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34); Eastern Area - (RW-1), (RW-7), (RW-8), (RW-13, RW-14), (RW-3, RW-4, RW-9, RW-10); Southern Area -(RW-30), (VEW-40, RW-26, RW-28), (RW-29), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49).	8015 & 8260B	**782**	**1,400**	**5,600**	**1,000**	**5,600**	**1.80**	**5.80**	**0.41**	**1.80**	<0.55	<2.0	**0.40**	**1.50**	**0.32**	**1.40**	**0.99**	**4.30**	**1.31**	**5.7**
2/24/2021		Central Area - (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12), (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34); Eastern Area - (RW-1), (RW-7), (RW-8), (RW-13, RW-14), (RW-3, RW-4, RW-9, RW-10); Southern Area -(RW-30), (VEW-40, RW-26, RW-28), (RW-29), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49).	8015 & 8260B	**826**	**980**	**4,000**	**740**	**4,000**	**1.40**	**4.60**	**0.41**	**1.80**	<0.55	<2.0	**0.42**	**1.60**	**0.25**	**1.10**	**0.92**	**4.00**	**1.17**	**5.1**
3/8/2021		Central Area - (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12), (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34); Eastern Area - (RW-1), (RW-7), (RW-8), (RW-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-21, RW-23), (RW-30), (VEW-38, VEW-40, RW-26, RW-28), (RW-24, RW-25, RW-27, RW-33, RW-43), (RW-22, RW-29), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	8015 & 8260B	**696**	**540**	**2,200**	**400**	**2,200**	**1.80**	**5.60**	**0.46**	**2.00**	<0.55	<2.0	**0.58**	**2.20**	**0.28**	**1.20**	**0.94**	**4.10**	**1.22**	**5.3**

TABLE 6

Historical Summary of Analytical Vapor Sampling Results - Influent Thermal Oxidizer VES

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Sample Date	Notes	VES Wells On Line	Laboratory Analysis Methods	GRO Field OVA Reading	GRO		VOCs as Hexane[A]		Benzene		Ethylbenzene		MTBE		Toluene		o-Xylene		m,p-Xylenes		Total Xylenes	
				(ppmv)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)
4/19/2021		Central Area - (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12), (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34); Eastern Area - (RW-1), (RW-7), (RW-8), (RW-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-21, RW-23), (RW-30), (VEW-38, VEW-40, RW-26, RW-28), (RW-24, RW-25, RW-27, RW-33, RW-43), (RW-22, RW-29), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	8015 & 8260B	**504**	**420**	**1,700**	**310**	**1,700**	**1.40**	**4.40**	**0.28**	**1.20**	<0.55	<2.0	**0.26**	**0.97**	**0.20**	**0.86**	**0.60**	**2.60**	**0.8**	**3.46**
6/8/2021		Central Area - (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-8), (RW-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-30), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	8015 & 8260B	**486**	**390**	**1,600**	**280**	**1,600**	**1.10**	**3.60**	**0.46**	**2.00**	<0.55	<2.0	**0.53**	**2.00**	**0.35**	**1.50**	**1.00**	**4.40**	**1.35**	**5.9**
6/21/2021		Central Area - (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-8), (RW-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-30), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	8015 & 8260B	**538**	**460**	**1,900**	**340**	**1,900**	**1.10**	**3.40**	**0.37**	**1.60**	<0.55	<2.0	**0.48**	**1.80**	**0.30**	**1.30**	**0.88**	**3.80**	**1.18**	**5.1**
7/7/2021		Central Area - (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-8), (RW-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-30), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	8015 & 8260B	**490**	**460**	**1,900**	**340**	**1,900**	**0.94**	**3.00**	**0.44**	**1.90**	<0.55	<2.0	**0.53**	**2.00**	**0.37**	**1.60**	**1.10**	**4.70**	**1.47**	**6.3**
8/9/2021		Central Area - (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-8), (RW-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-30), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	8015 & 8260B	**406**	**370**	**1,500**	**290**	**1,500**	**1.20**	**3.90**	**0.46**	**2.00**	<0.28	<1.0	**0.58**	**2.20**	**0.37**	**1.60**	**1.00**	**4.50**	**1.37**	**6.1**
9/20/2021		Central Area - (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-8), (RW-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-30), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	8015 & 8260B	**412**	**320**	**1,300**	**240**	**1,300**	**0.44**	**1.40**	**0.32**	**1.40**	<0.28	<1.0	**0.37**	**1.40**	**0.30**	**1.30**	**0.83**	**3.60**	**1.13**	**4.9**

TABLE 6

Historical Summary of Analytical Vapor Sampling Results - Influent Thermal Oxidizer VES

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Sample Date	Notes	VES Wells On Line	Laboratory Analysis Methods	GRO Field OVA Reading	GRO		VOCs as Hexane[A]		Benzene		Ethylbenzene		MTBE		Toluene		o-Xylene		m,p-Xylenes		Total Xylenes	
				(ppmv)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)
10/18/2021		Central Area - (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-8), (RW-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-30), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	8015 & 8260B	**436**	**440**	**1,800**	**330**	**1,800**	**0.85**	**2.70**	**0.37**	**1.60**	<0.28	<1.0	**0.45**	**1.70**	**0.37**	**1.60**	**1.00**	**4.50**	**1.37**	**6.1**
11/10/2021		Central Area - (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-8), (RW-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-30), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	8015 & 8260B	**446**	**610**	**2,500**	**450**	**2,500**	**1.10**	**3.40**	**0.28**	**1.20**	<0.28	<1.0	**0.32**	**1.20**	**0.23**	**1.00**	**0.69**	**3.00**	**0.92**	**4.0**
12/6/2021		Central Area - (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-8), (RW-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-30), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	8015 & 8260B	**458**	**640**	**2,600**	**470**	**2,600**	**0.63**	**2.00**	**0.35**	**1.50**	<0.28	<1.0	**0.42**	**1.60**	**0.30**	**1.30**	**0.99**	**4.30**	**1.29**	**5.6**

Legend / Notes:

VES = Vapor extraction system

GRO = Gasoline range organics

MTBE = Methyl tertiary-butyl ether

OVA = Organic Vapor Analyzer (calibrated or correlated to Hexane)

ppmv = Parts per million by volume

µg/L = Micrograms per liter

<1 = Not detected at or above the Method Reporting Limit (MRL) shown.

-- = Not available or not analyzed

- Reported concentrations are shown in bold.

A = Laboratory reporting Gasoline Range Organics (GRO) as Hexane prior to 11-05-20.

1 = Temporary thermal oxidizer VES started on 01/08/18.

2 = VES operations limited to daytime hours due to noise concerns from nearby residents.

3 = Noise abatement measures implemented in an effort to address concerns from nearby residents.

4 = Vapor extraction wells RW-3 through RW-6, RW-8, RW-11, RW-12, and RW-14 through RW-17 brought online 02/14/18 following the completion of installation and tie-in activities per SGI's June 30, 2017 *Remediation Well Installation Update Report.*

5 = No sample collected for analysis during February 2018 due to site condition and system operation status.

6 = Measured individual well concentrations and opened and/or closed select vapor extraction wells (see Table 9A through 9D for details).

7 = Vapor extraction wells RW-19, RW-20, RW-22, RW-24, RW-27 through RW-30, RW-32, RW-33, RW-35 through RW-38, and RW-40 through RW-50 brought online 6/27/18 following the completion of tie-in activities per SGI's June 30, 2017 report.

8 = Temporary thermal oxidizer VES shutdown on 01/08/2019.

9 = Permanent thermal oxidizer VES started on 03/13/2019.

TABLE 7A
Summary of LNAPL Removal in Well GMW-62 - Fourth Quarter 2021
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing [A] (gallons)	LNAPL Removed with Socks [A] (pounds)	LNAPL Removed with Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A, B] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A,B] (pounds)
						End of Third Quarter 2021:	*149.1*	*1,020.0*
10/15/21	--	35.52	--	0.0	0.0	0.0	149.1	1,020.0
10/22/21	--	35.36	--	0.0	0.0	0.0	149.1	1,020.0
11/01/21	--	35.82	--	0.0	0.0	0.0	149.1	1,020.0
11/11/21	--	35.83	--	0.0	0.0	0.0	149.1	1,020.0
12/02/21	--	35.85	--	0.0	0.0	0.0	149.1	1,020.0
12/17/21	--	35.03	--	0.0	0.0	0.0	149.1	1,020.0
Cumulative for the Reporting Period [A]:				**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning January 2014 [A,B]:				**112.0**	**253.6**	**37.1**	**149.1**	**1,020.0**

Legend / Notes:
LNAPL = Light non-aqueous phase liquids feet btc = Feet below top of casing Sock = LNAPL absorbent sock -- = Not applicable

A = Difference between additive sum and displayed cumulative value is a result of rounding and/or significant figures.
B = Cumulative LNAPL removed since January 2014. LNAPL removed prior to January 2014 can be found in previously submitted Remediation Progress Reports.

TABLE 7B
Summary of LNAPL Removal in Well GMW-68 - Fourth Quarter 2021
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing [A] (gallons)	LNAPL Removed with Socks [A] (pounds)	LNAPL Removed with Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A, B] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A,B] (pounds)
						End of Third Quarter 2021:	*94.5*	*646.7*
10/15/21	--	34.76	--	0.0	2.1	0.3	94.8	648.8
10/22/21	--	34.62	--	0.0	0.0	0.0	94.8	648.8
11/01/21	34.90	34.91	0.01	0.0	1.5	0.2	95.0	650.3
11/11/21	--	35.03	--	0.0	0.0	0.0	95.0	650.3
12/02/21	--	34.95	--	0.0	2.5	0.4	95.4	652.8
12/17/21	--	34.26	--	0.0	2.4	0.4	95.7	655.2
Cumulative for the Reporting Period [A]:				**0.0**	**8.5**	**1.2**	**1.2**	**8.5**
Cumulative Beginning October 2016 [A,B]:				**33.5**	**426.0**	**62.2**	**95.7**	**655.2**

Legend / Notes:
LNAPL = Light non-aqueous phase liquids feet btc = Feet below top of casing Sock = LNAPL absorbent sock -- = Not applicable

A = Difference between additive sum and displayed cumulative value is a result of rounding and/or significant figures.
B = Cumulative LNAPL removed since October 2016 following installation of well during July 2015 (no measureable product from July 2015 through February 2017).

TABLE 7C
Summary of LNAPL Removal in Well GMW-7 - Fourth Quarter 2021
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (pounds)	LNAPL Removed with Socks (gallons)	Cumulative LNAPL Removed Via Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via, Pumping, Bailing and Socks [A] (pounds)
No Product Removal Via Bailing, Skimming, or Absorbant Socks During 4th Quarter 2021								

Cumulative for the Reporting Period:	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning December 2014 [A]:	**8.0**	**135.6**	**19.8**	**27.8**	**190.4**

Legend / Notes:

LNAPL = Light non-aqueous phase liquids feet btc = Feet below top of casing Sock = LNAPL absorbent sock -- = Not applicable

A = Cumulative LNAPL removed since December 2014. LNAPL removed prior to December 2014 can be found in previously submitted Remediation Progress Reports.

TABLE 7D
Summary of LNAPL Removal in Well TF-19 - Fourth Quarter 2021
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (pounds)	LNAPL Removed with Socks (gallons)	Cumulative LNAPL Removed Via Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Pumping, Bailing and Socks [A] (pounds)
No Product Removal Via Bailing, Skimming, or Absorbant Socks During 4th Quarter 2021								
Cumulative for the Reporting Period:				**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning June 2015 [A]:				**6.75**	**199.1**	**29.08**	**35.8**	**245.2**

Legend / Notes:

LNAPL = Light non-aqueous phase liquids feet btc = Feet below top of casing Sock = LNAPL absorbent sock -- = Not applicable

A = Cumulative LNAPL removed since June 2015 (no measureable product from January 2014 to May 2015). LNAPL removed prior to January 2014 can be found in previously submitted Remediation Progress Reports.

TABLE 7E
Summary of LNAPL Removal in Well TFR-9 - Fourth Quarter 2021
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (pounds)	LNAPL Removed with Socks (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
No Pumping/Skimming from Product Recovery System Well During 4th Quarter 2021								

Cumulative for the Reporting Period:	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning October 2018 [A,B]:	**150.0**	**0.0**	**0.0**	**150.0**	**1,026.5**

Legend / Notes:

LNAPL = Light non-aqueous phase liquids feet btc = Feet below top of casing Sock = LNAPL absorbent sock -- = Not applicable

A = Cumulative LNAPL removed since October 2018 following hookup of well to a newly installed controller.

B = Cumulative LNAPL removed from a pneumatically controlled skimmer installed as part of expanded product recovery system operations that began on October 8, 2018 (skimming from well TFR-9 initiated on October 8, 2018 but pump was manually shutdown on January 16, 2019 to allow for LNAPL recovery and resumed operating from February 7-27, 2019; Pump remained off-line through June 2019 based on regular gauging data showing little to no measureable product in the well).

TABLE 7F
Summary of LNAPL Removal in Well GMW-18 - Fourth Quarter 2021
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (pounds)	LNAPL Removed with Socks (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
No Pumping/Skimming from Product Recovery System Well During 4th Quarter 2021								
Cumulative for the Reporting Period [B]:				**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning March 2017 [A]:				**101.1**	**75.8**	**11.1**	**112.2**	**767.6**

Legend / Notes:

LNAPL = Light non-aqueous phase liquids feet btc = Feet below top of casing Sock = LNAPL absorbent sock -- = Not applicable

A = Cumulative LNAPL removed since March 2017. LNAPL removed prior to March 2017 can be found in previously submitted Remediation Progress Reports.

B = Cumulative LNAPL removed from a pneumatically controlled skimmer installed as part of expanded product recovery system operations that began on October 8, 2018 (skimming from well GMW-18 initiated on October 8, 2018; pump manually shutdown on January 16, 2019 due to insufficient yield and remained off-line through June 2019).

TABLE 7G
Summary of LNAPL Removal in Well TFR-12 - Fourth Quarter 2021
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (pounds)	LNAPL Removed with Socks (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
No Pumping/Skimming from Product Recovery System Well During 4th Quarter 2021								
Cumulative for the Reporting Period:				**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning April 2018 [A,B]:				**284.3**	**0.0**	**0.0**	**284.3**	**1,945.7**

Legend / Notes:

LNAPL = Light non-aqueous phase liquids feet btc = Feet below top of casing Sock = LNAPL absorbent sock -- = Not applicable

A = Cumulative LNAPL removed since April 2018 following installation of well during December 2017.

B = Cumulative LNAPL removed from a pneumatically controlled skimmer installed as part of a product recovery system that started operating on August 8, 2016 (skimming from well TFR-12 initiated on April 23, 2018, and temporarily discontinued from September 5, 2018 to October 8, 2018 pending hookup to a new controller; Pump manually shutdown on March 11, 2019 due to insufficient yield and remained off-line through June 2019).

TABLE 7H
Summary of LNAPL Removal in Well TFR-14 - Fourth Quarter 2021
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (pounds)	LNAPL Removed with Socks (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
No Pumping/Skimming from Product Recovery System Well During 4th Quarter 2021								

Cumulative for the Reporting Period:	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning April 2018 [A,B]:	**2.1**	**0.0**	**0.0**	**2.1**	**14.2**

Legend / Notes:

LNAPL = Light non-aqueous phase liquids feet btc = Feet below top of casing Sock = LNAPL absorbent sock -- = Not applicable

A = Cumulative LNAPL removed since April 2018 following installation of well during December 2017.

B = Cumulative LNAPL removed from a pneumatically controlled skimmer installed as part of a product recovery system that started operating on August 8, 2016 (skimming from well TFR-12 initiated on April 23, 2018, and temporarily discontinued from September 5, 2018 to October 8, 2018 pending hookup to a new controller; Pump manually shutdown on March 11, 2019 due to insufficient yield and remained off-line through June 2019).

TABLE 7I
Summary of LNAPL Removal in Well TF-15 - Fourth Quarter 2021
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (pounds)	LNAPL Removed with Socks (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
No Pumping/Skimming from Product Recovery System Well During 4th Quarter 2021								
Cumulative for the Reporting Period [B]:				**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning October 2016 [A]:				**187.1**	**52.5**	**7.7**	**194.8**	**1,332.9**

Legend / Notes:

LNAPL = Light non-aqueous phase liquids feet btc = Feet below top of casing Sock = LNAPL absorbent sock -- = Not applicable

A = Cumulative LNAPL removed since October 2016. No LNAPL removed previously during 2016 or throughout 2015 due to excavation project (January 2015 - March 2017) inadvertently resulting in burial of well head which was located during October 2016. LNAPL removed prior to well head being buried can be found in previously submitted Remediation Progress Reports.

B = Cumulative LNAPL removed from a pneumatically controlled skimmer installed as part of expanded product recovery system operations that began on October 8, 2018 (skimming from well TF-15 initiated on October 8, 2018 but pump was manually shutdown on November 15, 2018 to allow for LNAPL recovery, and also operated from November 28, 2018 to March 11, 2019 and April 17, 2019 to May 2, 2019; Pump has otherwise remained off-line due to insufficient yield).

TABLE 7J
Summary of LNAPL Removal in Well TFR-15 - Fourth Quarter 2021
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (pounds)	LNAPL Removed with Socks (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
No Pumping/Skimming from Product Recovery System Well During 4th Quarter 2021								

Cumulative for the Reporting Period:	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning October 2018 [A,B]:	**23.0**	**0.0**	**0.0**	**23.0**	**157.4**

Legend / Notes:

LNAPL = Light non-aqueous phase liquids feet btc = Feet below top of casing Sock = LNAPL absorbent sock -- = Not applicable

A = Cumulative LNAPL removed since October 2018 following hookup of well to a newly installed controller.

B = Cumulative LNAPL removed from a pneumatically controlled skimmer installed as part of expanded product recovery system operations that began on October 8, 2018 (skimming from well TFR-15 initiated on October 18, 2018 but pump was manually shutdown on November 15, 2018 to allow for LNAPL recovery with operations resuming from November 28, 2018 to December 7, 2018, and again from December 19, 2018 to February 27, 2019; Pump remained off-line through June 2019 due to insufficient yield).

TABLE 7K
Summary of LNAPL Removal in Well TF-16 - Fourth Quarter 2021
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (pounds)	LNAPL Removed with Socks (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
No Pumping/Skimming from Product Recovery System Well During 4th Quarter 2021								

Cumulative for the Reporting Period:	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning March 2017 - June 2019 [B]:	**323.0**	**0.0**	**0.0**	**323.0**	**2,210.4**
Cumulative Beginning October 2016 [A]:	**333.3**	**35.8**	**5.2**	**338.5**	**2,316.3**

Legend / Notes:

LNAPL = Light non-aqueous phase liquids feet btc = Feet below top of casing Sock = LNAPL absorbent sock -- = Not applicable

A = Cumulative LNAPL removed since October 2016. No LNAPL removed previously during 2016 or throughout 2015 due to excavation project (January 2015 - March 2017) inadvertently resulting in burial of well head which was located during October 2016. LNAPL removed prior to well head being buried can be found in previously submitted Remediation Progress Reports.

B = Well hooked up to product recovery system on March 3, 2017 (i.e., all LNAPL removed subsequent to this date achieved via pumping) with skimmer manually shutdown on March 28, 2018 to allow for LNAPL recovery; Operations resumed on an intermittent basis starting on July 19, 2018, and regularly from September 19, 2018 to October 3, 2018, and again from December 14, 2018 to March 11, 2019 and May 2-6, 2019. Pump has otherwise remained off-line due to insufficient yield.

TABLE 7L
Summary of LNAPL Removal in Well GW-14R - Fourth Quarter 2021
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (pounds)	LNAPL Removed with Socks (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
No Pumping/Skimming from Product Recovery System Well During 4th Quarter 2021								
Cumulative for the Reporting Period:				**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning October 2018 [A,B]:				**360.0**	**0.0**	**0.0**	**360.0**	**2,463.6**

Legend / Notes:

LNAPL = Light non-aqueous phase liquids feet btc = Feet below top of casing Sock = LNAPL absorbent sock -- = Not applicable

A = Cumulative LNAPL removed since October 2018 following hookup of well to a newly installed controller.

B = Cumulative LNAPL removed from a pneumatically controlled skimmer installed as part of expanded product recovery system operations that began on October 8, 2018 (skimming from well GW-14R initiated on October 8, 2018 but pump was manually shutdown on April 17, 2019 to allow for LNAPL recovery, and only otherwise operated briefly during the reporting period from May 2-6, 2019 to evaluate the well yield).

TABLE 7M
Summary of LNAPL Removal in Well TFR-18 - Fourth Quarter 2021
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (pounds)	LNAPL Removed with Socks (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
No Pumping/Skimming from Product Recovery System Well During 4th Quarter 2021								
Cumulative for the Reporting Period:				**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning October 2018 [A,B]:				**18.1**	**0.0**	**0.0**	**18.1**	**124.2**

Legend / Notes:

LNAPL = Light non-aqueous phase liquids feet btc = Feet below top of casing Sock = LNAPL absorbent sock -- = Not applicable

A = Cumulative LNAPL removed since October 2018 following hookup of well to a newly installed controller.

B = Cumulative LNAPL removed from a pneumatically controlled skimmer installed as part of expanded product recovery system operations that began on October 8, 2018 (skimming from well GW-14R initiated on October 8, 2018 but pump was manually shutdown on April 17, 2019 to allow for LNAPL recovery, and only otherwise operated briefly during the reporting period from May 2-6, 2019 to evaluate the well yield).

TABLE 7N
Summary of LNAPL Removal in Well TFR-22 - Fourth Quarter 2021
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (pounds)	LNAPL Removed with Socks (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
						End of Third Quarter 2021:	*312.1*	*2,135.8*
10/01/21	33.41	34.63	1.22	0.0	--	--	312.1	2,135.8
10/15/21	33.12	35.87	2.75	2.4	--	--	314.5	2,152.4
10/22/21	33.35	34.62	1.27	1.2	--	--	315.8	2,160.8
11/03/21	34.28	35.31	1.03	1.2	--	--	317.0	2,169.1
11/11/21	34.30	34.52	0.22	1.2	--	--	318.2	2,177.4
11/17/21	34.31	34.71	0.40	1.2	--	--	319.4	2,185.7
12/02/21	33.85	35.97	2.12	0.0	--	--	319.4	2,185.7
12/03/21	33.96	35.76	1.80	2.4	--	--	321.8	2,202.4
12/06/21	33.80	35.66	1.86	0.0	--	--	321.8	2,202.4
12/09/21	33.53	36.00	2.47	2.4	--	--	324.3	2,219.1
12/15/21	33.65	34.12	0.47	1.2	--	--	325.5	2,227.4
12/28/21	34.03	34.96	0.93	1.2	--	--	326.7	2,235.7

Cumulative for the Reporting Period:	**14.6**	**0.0**	**0.0**	**14.6**	**100.0**
Cumulative Beginning October 2018 [A,B]:	**326.7**	**0.0**	**0.0**	**326.7**	**2,235.7**

Legend / Notes:

LNAPL = Light non-aqueous phase liquids feet btc = Feet below top of casing Sock = LNAPL absorbent sock -- = Not applicable

A = Cumulative LNAPL removed since October 2018 following hookup of well to a newly installed controller.

B = Cumulative LNAPL removed from a pneumatically controlled skimmer installed as part of expanded product recovery system operations that began on October 8, 2018 (skimming from well TFR-22 initiated on October 8, 2018 but pump was manually shutdown on November 28, 2018 to allow for LNAPL recovery; Pumping resumed on from December 14, 2018 to April 17, 2019, and May 30, 2019 through June 30, 2019).

TABLE 7O
Summary of LNAPL Removal in Well TFR-24 - Fourth Quarter 2021
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (pounds)	LNAPL Removed with Socks (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
No Pumping/Skimming from Product Recovery System Well During 4th Quarter 2021								
Cumulative for the Reporting Period:				**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning October 2018 [A,B]:				**110.1**	**0.0**	**0.0**	**110.1**	**753.3**

Legend / Notes:

LNAPL = Light non-aqueous phase liquids feet btc = Feet below top of casing Sock = LNAPL absorbent sock -- = Not applicable

A = Cumulative LNAPL removed since October 2018 following hookup of well to a newly installed controller.

B = Cumulative LNAPL removed from a pneumatically controlled skimmer installed as part of expanded product recovery system operations that began on October 8, 2018 (skimming from well TFR-24 initiated on October 8, 2018 but pump was manually shutdown on November 28, 2018 to allow for LNAPL recovery, and also operated from December 7-27, 2018, January 4-7, 2019, January 11, 2019 to February 7, 2019, and February 19, 2019 to March 11, 2019; Pump remained off-line through June 2019 due to insufficient yield; pump manually shutdown on February 14, 2020 due to insufficient yield).

TABLE 7P
Summary of LNAPL Removal in Well TFR-29 - Fourth Quarter 2021
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing [A] (gallons)	LNAPL Removed with Socks [A] (pounds)	LNAPL Removed with Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A,B] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A,B] (pounds)
						End of Third Quarter 2021:	*947.6*	*6,484.4*
10/01/21	32.75	34.66	1.91	2.4	--	--	950.0	6,501.0
10/15/21	33.89	37.17	3.28	3.7	--	--	953.6	6,526.0
10/22/21	34.35	36.12	1.77	2.4	--	--	956.1	6,542.7
11/03/21	--	34.85	0.00	0.0	--	--	956.1	6,542.7
11/11/21	--	33.75	0.00	0.0	--	--	956.1	6,542.7
11/17/21	34.80	37.17	2.37	2.4	--	--	958.5	6,559.4
12/02/21	--	33.42	0.00	0.0	--	--	958.5	6,559.4
12/03/21	--	--	0.00	0.0	--	--	958.5	6,559.4
12/06/21	--	33.81	0.00	0.0	--	--	958.5	6,559.4
12/09/21	--	32.33	0.00	0.0	--	--	958.5	6,559.4
12/15/21	--	33.46	0.00	0.0	--	--	958.5	6,559.4
12/28/21	33.72	35.52	1.80	2.4	--	--	961.0	6,576.0
Cumulative for the Reporting Period [A]:				**13.4**	**0.0**	**0.0**	**13.4**	**91.6**
Cumulative Beginning April 2018 [A,B,C,D]:				**961.0**	**0.0**	**0.0**	**961.0**	**6,576.0**

Legend / Notes:

LNAPL = Light non-aqueous phase liquids feet btc = Feet below top of casing Sock = LNAPL absorbent sock -- = Not applicable

A = Difference between additive sum and displayed cumulative value is a result of rounding and/or significant figures.

B = Cumulative LNAPL removed since April 2018 following installation of well during November 2017.

C = Cumulative LNAPL removed from a pneumatically controlled skimmer installed as part of a product recovery system that started operating on August 8, 2016 (skimming from well TFR-29 initiated on April 23, 2018, and temporarily discontinued from September 5, 2018 to October 8, 2018 pending hookup to a new controller).

D = Skimmer shutdown on February 21, 2020 due to insufficent yield.

TABLE 7Q
Summary of LNAPL Removal in Well TFR-33 - Fourth Quarter 2021
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (pounds)	LNAPL Removed with Socks (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
No Pumping/Skimming from Product Recovery System Well During 4th Quarter 2021								

Cumulative for the Reporting Period:	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning October 2018 [A,B]:	**123.0**	**0.0**	**0.0**	**123.0**	**841.7**

Legend / Notes:

LNAPL = Light non-aqueous phase liquids feet btc = Feet below top of casing Sock = LNAPL absorbent sock -- = Not applicable

A = Cumulative LNAPL removed since October 2018 following hookup of well to a newly installed controller.

B = Cumulative LNAPL removed from a pneumatically controlled skimmer installed as part of expanded product recovery system operations that began on October 8, 2018 (skimming from well TFR-33 initiated on October 8, 2018 but pump was manually shutdown on December 7, 2018 to allow for LNAPL recovery, and also operated from December 19, 2018 through February 27, 2019; Pump remained off-line through June 2019 due to insufficient yield).

TABLE 7R
Summary of LNAPL Removal in Well RTF-18-E - Fourth Quarter 2021
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (pounds)	LNAPL Removed with Socks (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
No Pumping/Skimming from Product Recovery System Well During 4th Quarter 2021								

Cumulative for the Reporting Period:	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning May 2016 - July 2016 [A]:	**47.5**	**0.0**	**0.0**	**47.5**	**325.1**
Cumulative Beginning August 2016 - September 2019 [B]:	**593.4**	**0.0**	**0.0**	**593.4**	**4,061.5**
Cumulative Beginning May 2016 [A]:	**679.1**	**0.0**	**0.0**	**679.1**	**4,647.1**

Legend / Notes:

LNAPL = Light non-aqueous phase liquids feet btc = Feet below top of casing Sock = LNAPL absorbent sock -- = Not applicable

A = Cumulative LNAPL removed since May 2016 following installation of well during December 2015.

B = Cumulative LNAPL removed from a pneumatically controlled skimmer installed as part of a product recovery system that started operating on August 8, 2016 (skimming from well RTF-18-E initiated on August 11, 2016).

* = Well RTF-18-E was off-line from February 15, 2017 to October 4, 2017 to allow for LNAPL recovery which continued to be adequate for effective removal via skimming until March 15, 2018 when the pump was again shutdown and remained off-line until December 27, 2018 (pumping resumed until February 27, 2019 with no subsequent operations through June 2019 based on regular gauging data showing little to no measureable product in the well); pump shutdown on February 14, 2020 due to insufficient yield.

TABLE 7S
Summary of LNAPL Removal in Well RTF-18-NW - Fourth Quarter 2021
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (pounds)	LNAPL Removed with Socks (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
No Pumping/Skimming from Product Recovery System Well During 4th Quarter 2021								

Cumulative for the Reporting Period:	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning May 2016 - July 2016 [A]:	**76.5**	**0.0**	**0.0**	**76.5**	**523.5**
Cumulative Beginning August 2016 - June 2019 [B]:	**2,961.0**	**0.0**	**0.0**	**2,961.0**	**20,262.6**
Cumulative Beginning May 2016 [A]:	**3,039.6**	**0.0**	**0.0**	**3,039.6**	**20,800.5**

Legend / Notes:

LNAPL = Light non-aqueous phase liquids feet btc = Feet below top of casing Sock = LNAPL absorbent sock -- = Not applicable

A = Cumulative LNAPL removed since May 2016 following installation of well during December 2015.

B = Cumulative LNAPL removed from a pneumatically controlled skimmer installed as part of a product recovery system that started operating on August 8, 2016 (skimming from well RTF-18-NW initiated on August 11, 2016).

* = Well RTF-18-NW was off-line from February 15, 2017 to August 10, 2017 to allow for LNAPL recovery which continued to be adequate for effective removal via skimming until March 11, 2019 with no subsequent operations through June 2019 based on regular gauging data showing little to no measureable product in the well.

TABLE 7T
Summary of LNAPL Removal in Well RTF-18-N - Fourth Quarter 2021
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (pounds)	LNAPL Removed with Socks (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
No Pumping/Skimming from Product Recovery System Well During 4th Quarter 2021								

Cumulative for the Reporting Period:	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning April 2016 - July 2016 [A]:	**47.5**	**0.0**	**0.0**	**47.5**	**325.1**
Cumulative Beginning August 2016 - June 2019 [B]:	**497.5**	**0.0**	**0.0**	**497.5**	**3,404.5**
Cumulative Beginning April 2016 [A]:	**545.0**	**0.0**	**0.0**	**545.0**	**3,729.6**

Legend / Notes:

LNAPL = Light non-aqueous phase liquids feet btc = Feet below top of casing Sock = LNAPL absorbent sock -- = Not applicable

A = Cumulative LNAPL removed since April 2016 following installation of well during December 2015.

B = Cumulative LNAPL removed from a pneumatically controlled skimmer installed as part of a product recovery system that started operating on August 8, 2016 (skimming from well RTF-18-N initiated on August 11, 2016).

* = Well RTF-18-N was off-line from September 14, 2016 to October 10, 2017, and November 7, 2017 to January 7, 2018, to allow for LNAPL recovery (pumping resumed until February 27, 2019 with no subsequent operations through June 2019 based on regular gauging data showing little to no measureable product in the well).

TABLE 7U
Summary of LNAPL Removal in Well TF-18 - Fourth Quarter 2021
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (pounds)	LNAPL Removed with Socks (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
No Pumping/Skimming from Product Recovery System Well During 4th Quarter 2021								

Cumulative for the Reporting Period:	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning January 2014 - July 2016 [A]:	**266.1**	**307.3**	**44.9**	**311.0**	**2,128.1**
Cumulative Beginning August 2016 - June 2019 [B]:	**2,003.0**	**0.0**	**0.0**	**2,003.0**	**13,707.0**
Cumulative Beginning January 2014 [A]:	**2,271.2**	**307.3**	**44.9**	**2,316.1**	**15,849.3**

Legend / Notes:

LNAPL = Light non-aqueous phase liquids feet btc = Feet below top of casing Sock = LNAPL absorbent sock -- = Not applicable

A = Cumulative LNAPL removed prior to January 2014 can be found in previously submitted Remediation Progress Reports.

B = Cumulative LNAPL removed from a pneumatically controlled skimmer installed as part of a product recovery system that started operating on August 8, 2016 (skimming initially isolated to well TF-18 for testing purposes with other wells coming online August 11, 2016).

* = Product recovery system off-line from January 9-27, 2017 due to full storage tank, and well TF-18 resumed operating after tank was emptied until February 8, 2017 when skimmer was manually shutdown to allow for LNAPL recovery (pumping resumed from August 10, 2017 to January 25, 2019 with no subsequent operations through June 2019 based on regular gauging data showing little to no measureable product in the well).

TABLE 7V
Summary of LNAPL Removal in Well RTF-18-NNW - Fourth Quarter 2021
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (pounds)	LNAPL Removed with Socks (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
No Pumping/Skimming from Product Recovery System Well During 4th Quarter 2021								

Cumulative for the Reporting Period:	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning April 2016 - July 2016 [A]:	**54.5**	**0.0**	**0.0**	**54.5**	**373.0**
Cumulative Beginning August 2016 - June 2019 [B]:	**62.5**	**0.0**	**0.0**	**62.5**	**427.7**
Cumulative Beginning April 2016 [A]:	**117.0**	**0.0**	**0.0**	**117.0**	**800.7**

Legend / Notes:

LNAPL = Light non-aqueous phase liquids feet btc = Feet below top of casing Sock = LNAPL absorbent sock -- = Not applicable

A = Cumulative LNAPL removed since April 2016 following installation of well during December 2015.

B = Cumulative LNAPL removed from a pneumatically controlled skimmer installed as part of a product recovery system that started operating on August 8, 2016 (skimming from well RTF-18-NNW initiated on September 14, 2016 (off-line since January 9, 2017).

* = Product recovery system off-line from January 9-27, 2017 due to full storage tank, and well RTF-18-NNW has since remained off-line to allow for LNAPL recovery which decreased from January 2017 to March 2017 with no measurable product from early March 2017 through mid-September 2017, and less than 0.3 foot at the end of 2017 (note that product thicknesses temporarily exhibited a further increasing overall trend during 2018 that has since reversed with little to no measurable product since late February 2019).

TABLE 7W
Summary of LNAPL Removal in Well RTF-18-W - Fourth Quarter 2021
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (pounds)	LNAPL Removed with Socks (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
No Pumping/Skimming from Product Recovery System Well During 4th Quarter 2021								

Cumulative for the Reporting Period:	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning April 2016 - July 2016 [A]:	**38.8**	**0.0**	**0.0**	**38.8**	**265.2**
Cumulative Beginning August 2016 - June 2019 [B]:	**371.0**	**0.0**	**0.0**	**371.0**	**2,538.8**
Cumulative Beginning April 2016 [A]:	**409.8**	**0.0**	**0.0**	**409.8**	**2,804.0**

Legend / Notes:

LNAPL = Light non-aqueous phase liquids feet btc = Feet below top of casing Sock = LNAPL absorbent sock -- = Not applicable

A = Cumulative LNAPL removed since April 2016 following installation of well during December 2015.

B = Cumulative LNAPL removed from a pneumatically controlled skimmer installed as part of a product recovery system that started operating on August 8, 2016 (skimming from well RTF-18-W initiated on September 14, 2016).

* = Well RTF-18-W was off-line from December 9, 2016 to October 10, 2017 to allow for LNAPL recovery which continued to be adequate for effective removal via skimming until April 4, 2019 when the pump was again shutdown and remained off-line through June 2019 based on regular gauging data showing little to no measureable product in the well.

TABLE 8

Historical Summary of Analytical Groundwater Sampling Results - Influent GWETS

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Sample Date	Notes	GWETS Wells On Line	Laboratory Analysis Methods	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	m,p-Xylenes	o-Xylene	TBA	MTBE	DIPE	ETBE	TAME
				(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
04/22/08		--	--	--	--	**71**	**25**	**17**	**42**	**30**	**14**	**4.6**	<2.0	<2.0	<2.0
05/01/08		--	--	**810**	--	--	--	--	--	--	--	--	--	--	--
05/16/08		--	--	**760**	--	--	--	--	--	--	--	--	--	--	--
06/12/08		--	--	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	**25**	**7.7**	<2.0	<2.0	<2.0
07/19/08		--	--	**170**	<100	**27**	**0.77**	**7.0**	**13**	**7.9**	<10	**3.9**	<2.0	<2.0	<2.0
09/03/08		--	--	--	--	--	--	--	--	--	<10	--	--	--	--
09/08/08		--	--	--	--	**27**	**0.99**	**8.3**	**13**	**8.2**	<10	**3.1**	<2.0	<2.0	<2.0
09/15/08		--	--	--	--	**36**	**0.81**	**8.5**	**12**	**6.8**	<10	**3.8**	<2.0	<2.0	<2.0
11/13/08		--	--	--	--	**27**	<0.50	**2.0**	**12**	**5.6**	<10	<0.50	<2.0	<2.0	<2.0
11/26/08		--	--	--	--	<0.50	<0.50	<0.50	**1.3**	**0.61**	**16**	**5.6**	<2.0	<2.0	<2.0
12/13/08		--	--	--	--	<0.50	<0.50	**0.56**	**1.1**	**0.54**	**19**	**7.0**	<2.0	<2.0	<2.0
01/09/09		--	--	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<2.0	<2.0	<2.0
03/05/09		--	--	<100	--	**21**	<0.50	**2.5**	**7.2**	**3.1**	**12**	**3.1**	<2.0	<2.0	<2.0
03/18/09		--	--	**200**	**170**	**21**	<0.50	**2.9**	**7.0**	**4.5**	**13**	**3.3**	<2.0	<2.0	<2.0
05/15/09		--	--	<100	--	--	--	--	--	--	--	--	--	--	--
06/04/09		--	--	**190**	--	**26**	<0.50	**3.3**	**10**	**6.6**	<10	**4.8**	<2.0	<2.0	<2.0
06/24/09		--	--	--	--	**28**	<0.50	**2.5**	**7.6**	**4.2**	**12**	**4.4**	<2.0	<2.0	<2.0
05/28/09		--	--	**170**	--	**27**	<0.50	**2.6**	**7.9**	**4.5**	<10	**3.6**	<2.0	<2.0	<2.0
11/19/09		--	--	<100	--	**15**	<0.50	**1.3**	**5.8**	**2.9**	**5.6**	**2.3**	**1.2**	<2.0	<2.0
10/26/10		--	--	--	--	**20**	<0.50	**1.6**	**7.4**	**2.1**	**8.0**	**2.9**	**1.1**	<2.0	<2.0
06/01/11		--	--	**90**	--	--	--	--	--	--	--	--	--	--	--
07/14/11		--	--	--	--	**13**	<0.50	**2.3**	**6.2**	**3.0**	**6.7**	**1.6**	<2.0	<2.0	<2.0
09/13/11		--	--	--	--	**5.0**	<0.50	**0.37**	**3.4**	**0.99**	<10	**1.3**	<2.0	<2.0	<2.0
09/22/11		--	--	--	--	**5.5**	<0.50	**0.92**	**7.2**	**1.6**	**5.6**	**1.1**	<2.0	<2.0	<2.0
10/19/11		--	--	--	--	**8.2**	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<2.0	<2.0	<2.0

TABLE 8

Historical Summary of Analytical Groundwater Sampling Results - Influent GWETS

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Sample Date	Notes	GWETS Wells On Line	Laboratory Analysis Methods	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	m,p-Xylenes	o-Xylene	TBA	MTBE	DIPE	ETBE	TAME
				(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
01/20/12		--	--	--	--	**14**	<0.50	**2.8**	**7.8**	**1.2**	**16**	**1.3**	**0.42**	<2.0	<2.0
02/03/12		--	--	**120**	**340**	--	--	--	--	--	--	--	--	--	--
02/17/12		--	--	--	--	**10**	<0.50	**1.5**	**7.4**	**1.2**	**15**	**1.2**	**0.39**	<2.0	<2.0
02/24/12		--	--	**180**	--	**26**	<0.50	**1.0**	**7.0**	**1.2**	<10	**1.2**	**0.41**	<2.0	<2.0
03/02/12		--	--	--	--	**23**	<0.50	**1.4**	**11**	**2.4**	**8.7**	**1.4**	**0.47**	<2.0	<2.0
03/06/12		--	--	--	--	**28**	<0.50	**1.0**	**9.0**	**1.7**	**13**	**1.1**	**0.37**	<2.0	<2.0
06/15/12		--	--	--	--	**39**	**13**	**17**	**88**	**26**	<10	**1.3**	**0.52**	<2.0	<2.0
08/31/12		--	--	**820**	**940**	--	--	--	--	--	--	--	--	--	--
09/27/12		--	--	**5,300**	**3,800**	--	--	--	--	--	--	--	--	--	--
10/23/12		--	--	--	--	**67**	**60**	**110**	**460**	**140**	<10	<0.50	<2.0	<2.0	<2.0
01/31/13		--	--	**3,600**	--	--	--	--	--	--	--	--	--	--	--
05/01/13		--	--	**6,300**	**5,500**	**20**	**4.7**	**8.0**	**41**	**14**	**4.8**	**0.56**	<2.0	<2.0	<2.0
07/12/13		--	--	<100	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<2.0	<2.0	<2.0
08/20/13		--	--	<100	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<2.0	<2.0	<2.0
12/19/13		--	--	<100	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<2.0	<2.0	<2.0
02/07/14		--	--	**1,500**	**2,300**	--	--	--	--	--	--	--	--	--	--
03/21/14		--	--	--	--	**61**	**5.1**	**23**	**150**	**45**	<10	**0.87**	<2.0	<2.0	<2.0
05/29/14	1	--	8015M & 8260B	--	--	**29**	**1.0**	**30**	**180**	**45**	<10	**1.0**	<2.0	<2.0	<2.0
07/09/14	2	GW-15, GW-16	8015M & 8260B	**720**	**1,800**	**82**	**3.8**	**27**	**110**	**31**	<7.0	<0.40	<0.50	<0.40	<0.30
08/13/14		GW-15, GW-16	8015M & 8260B	**150**	**1,500**	**57**	**3.7**	**30**	**130**	**36**	<7.0	**0.77**	<0.50	<0.40	<0.30
09/17/14		GW-15, GW-16	8015M & 8260B	**800**	**3,500**	**23**	**0.73**	**20**	**170**	**40**	<7.0	**0.83**	<0.50	<0.40	<0.30
10/20/14		GW-15, GW-16	8015M & 8260B	**560**	**3,600**	**31**	**2.2**	**40**	**240**	**54**	<7.0	**0.6**	<0.50	<0.40	<0.30
11/17/14	3,4,1	GW-15, GW-16	8015M & 8260B	**260**	**1,400**	**21**	**0.71**	**10**	**62**	**18**	<7.0	<0.40	<0.50	<0.40	<0.30
12/17/14	4,1	GW-15, GW-16	8015M & 8260B	**190**	**880**	**23**	**0.66**	**8.8**	**48**	**14**	<7.0	<0.40	<0.50	<0.40	<0.30
01/14/15	4,1	GW-15, GW-16	8015M & 8260B	**4,600**	**3,800**	**150**	**2.8**	**29**	**130**	**37**	<7.0	<0.40	<0.50	<0.40	<0.30

TABLE 8

Historical Summary of Analytical Groundwater Sampling Results - Influent GWETS

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Sample Date	Notes	GWETS Wells On Line	Laboratory Analysis Methods	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	m,p-Xylenes	o-Xylene	TBA	MTBE	DIPE	ETBE	TAME
				(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
02/20/15	4,1	GW-15, GW-16	8015M & 8260B	**2,500**	**8,100**	**230**	**9.8**	**220**	**880**	**220**	<7.0	**0.45**	<0.50	<0.40	<0.30
03/27/15		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**620**	**980**	**9.9**	<0.30	**2.7**	**18**	**5.9**	<7.0	**1.0**	<0.50	<0.40	<0.30
05/11/15	5	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	<60	**330**	**16**	**5.2**	**5.9**	**37**	**14**	<7.0	**0.58 J**	<0.50	<0.40	<0.30
06/03/15		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**150**	**340**	**20**	**6.6**	**12**	**22**	**25**	<7.0	**0.52 J**	<0.50	<0.40	<0.30
07/09/15		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**180**	**610**	<0.20	<0.30	<0.20	<0.40	<0.30	<7.0	**0.62 J**	<0.50	<0.40	<0.30
08/17/15		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**430**	<40	<0.20	<0.30	<0.20	**0.95 J**	<0.30	<7.0	**0.71 J**	<0.50	<0.40	<0.30
09/03/15		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**86 J**	**570**	**5.9**	**0.37 J**	**3.7**	**10**	**14**	<7.0	**0.45 J**	<0.50	<0.40	<0.30
10/05/15		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	<60	**500**	**7.3**	<0.30	**8.7**	**35**	**15**	<7.0	**0.73 J**	<0.50	<0.40	<0.30
11/02/15		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**420**	**3,400**	**5.1**	<0.30	**17**	**130**	**22**	<7.0	**0.85 J**	<0.50	<0.40	<0.30
12/07/15		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**710**	**3,800**	**0.70**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
01/12/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**2,000**	**510**	**14**	<0.30	**3.6**	**25**	**7.0**	<7.0	<0.40	<0.50	<0.40	<0.30
02/01/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**72 J**	**180**	**13**	<0.30	**0.53**	**2.7**	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
03/14/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**270**	**1,100**	**0.91**	<0.30	<0.20	**1.6**	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
04/04/16	5	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**76 J**	**100**	**0.99**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
05/04/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**170**	**470**	<0.20	<0.30	<0.20	**1.3**	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
06/01/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**280**	**75 J**	**4.9**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.43 J**	<0.50	<0.40	<0.30
07/11/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**330**	<40	**4.7**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.79 J**	<0.50	<0.40	<0.30
08/01/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	<60	<40	**3.7**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
09/01/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	<60	<40	**2.7**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
10/12/16	5	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**230**	<40	**4.5**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
11/01/16	5	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**120**	**52 J**	**3.1**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
12/05/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**450**	**51 J**	<0.20	<0.30	<0.20	<0.40	<0.30	<7.0	**0.60 J**	<0.50	<0.40	<0.30
01/09/17		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**150**	<40	**4.4**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.58 J**	<0.50	<0.40	<0.30
02/06/17	6	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**110**	<40	**3.5**	<0.30	**0.41 J**	**0.60 J**	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
03/15/17	5	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**68 J**	<40	**4.3**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.60 J**	<0.50	<0.40	<0.30

TABLE 8

Historical Summary of Analytical Groundwater Sampling Results - Influent GWETS

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Sample Date	Notes	GWETS Wells On Line	Laboratory Analysis Methods	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	m,p-Xylenes	o-Xylene	TBA	MTBE	DIPE	ETBE	TAME
				(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
04/05/17	5	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**74 J**	<40	**8.4**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
05/03/17		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**72 J**	<40	**4.3**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
06/05/17		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**62 J**	<40	**5.0**	<0.30	<0.20	**0.50 J**	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
07/19/17	5	GW-2, GW-15, GW-16	8015M & 8260B	**75 J**	<40	**3.4**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
08/02/17		GW-2, GW-15, GW-16	8015M & 8260B	**80 J**	<40	**4.0**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.88 J**	<0.50	<0.40	<0.30
09/13/17		GW-2, GW-15, GW-16	8015M & 8260B	**84 J**	<40	<0.20	<0.30	<0.20	<0.40	<0.30	<7.0	**0.69 J**	<0.50	<0.40	<0.30
10/16/17		GW-2, GW-15, GW-16	8015M & 8260B	**64 J**	<40	**3.7**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.54 J**	<0.50	<0.40	<0.30
11/13/17		GW-2, GW-15, GW-16	8015M & 8260B	**78 J**	<40	**4.5**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.54 J**	<0.50	<0.40	<0.30
12/11/17	7	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	<60	<40	**2.8**	<0.30	<0.20	<0.40	<0.30	**8.8 J**	<0.40	<0.50	<0.40	<0.30
01/11/18	7	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**73 J**	<40	**2.0**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
02/26/18	7	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**130**	<40	**5.3**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.49 J**	<0.50	<0.40	<0.30
03/20/18	7	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	<60	<40	**4.4**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.47 J**	<0.50	<0.40	<0.30
04/02/18	7	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**65 J**	<40	**2.9**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.50 J**	<0.50	<0.40	<0.30
05/02/18	7	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**130**	<40	**2.5**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.74 J**	<0.50	<0.40	<0.30
06/04/18		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	<60	<40	**0.74**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
07/02/18	7,8	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	<60	<40	**1.1**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.41 J**	<0.50	<0.40	<0.30
08/06/18		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	<60	<40	**3.1**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
09/13/18		GW-2, GW-15, GW-16	8015M & 8260B	<60	<40	**0.38 J**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
10/29/18		GW-15, GW-16	8015M & 8260B	<60	<40	**2.4**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
11/14/18		GW-15, GW-16	8015M & 8260B	<60	<40	**2.0**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
12/17/18	7	GW-2, GW-13, GW-15, GW-16	8015M & 624	**170**	<100	<0.5	<2.0	<2.0	<2.0	<2.0	<10	<2.0	<2.0	<2.0	<2.0
01/08/19		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	--	<40	**1.4**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.92 J**	<0.50	<0.40	<0.30
02/06/19	9	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	<60	<40	**1.4**	<0.30	<0.20	**0.52 J**	<0.30	<7.0	**0.49 J**	<0.50	<0.40	<0.30
01/30/20	10,11	GW-13, GW-15, GW-16	8015B	**790**	--	--	--	--	--	--	--	--	--	--	--
03/11/20	10,11	GW-15, GW-16	8015B & EPA 624	**370**	--	<5.0	<5.0	<5.0	<1.0	<0.5	<10	<0.5	<0.5	<0.5	<0.5

TABLE 8

Historical Summary of Analytical Groundwater Sampling Results - Influent GWETS

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Sample Date	Notes	GWETS Wells On Line	Laboratory Analysis Methods	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	m,p-Xylenes	o-Xylene	TBA	MTBE	DIPE	ETBE	TAME
				(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
04/22/20		GW-16	8015B	<94	<50	--	--	--	--	--	--	--	--	--	--
05/27/20		GW-16, GMW-31, GW-14R	8015B & EPA 624	**610**	**490**	**46**	<5.0	<5.0	<10	<5.0	<10	<5.0	<5.0	<1.0	<1.0
06/24/20		GW-16, GMW-31, GW-14R	8015B & EPA 624	**850**	**640**	**79**	<5.0	<5.0	<10	<5.0	**12**	**6.4**	<5.0	<1.0	<1.0
07/24/20	12	GW-16, GMW-31, GW-14R	8015B & EPA 624	**1,000**	**150**	**6.2**	<5.0	<5.0	<10	<5.0	**18**	<5.0	<5.0	<1.0	<1.0
11/24/20	12	GW-16, GMW-31, GW-14R	8015B & EPA 624	**430**	**190**	**5.3**	<5.0	<5.0	<10	<5.0	**12**	<5.0	<5.0	<1.0	<1.0
01/28/21	13	GW-16, GMW-31, GW-14R	8015B & EPA 624	**860**	**410**	**34**	<5.0	<5.0	<10	<5.0	**25**	<5.0	<5.0	<1.0	<1.0
02/10/21		GW-16, GMW-31, GW-14R	8015B & EPA 624	**1,500**	**740**	**48**	<5.0	<5.0	<10	<5.0	**30**	**5.2**	<5.0	<1.0	<1.0
05/05/21		GW-16, GMW-31, GW-14R	8015B & EPA 624	**470**	**190**	**8.6**	<5.0	<5.0	<10	<5.0	**14**	<5.0	<5.0	<1.0	<1.0
06/11/21		GW-16, GMW-31, GW-14R	8015B & EPA 624	**540**	**260**	**7.0**	<5.0	<5.0	<10	<5.0	**17**	<5.0	<5.0	<1.0	<1.0
07/09/21		GW-16, GMW-31, GW-14R	8015B & EPA 624	**480**	**250**	**6.2**	<5.0	<5.0	<10	<5.0	**21**	<5.0	<5.0	<1.0	<1.0
08/18/21		GW-16, GMW-31, GW-14R	8015B & EPA 624	**500**	**110**	<5.0	<5.0	<5.0	<10	<5.0	**26**	<5.0	<5.0	<1.0	<1.0
09/27/21		GMW-31, GW-14R	8015B & EPA 624	**800**	**220**	<5.0	<5.0	<5.0	<10	<5.0	**33**	<5.0	<5.0	<1.0	<1.0
10/20/21		GW-16, GW-14R	8015B & EPA 624	**760**	**140**	<5.0	<5.0	<5.0	<10	<5.0	**36**	<5.0	<5.0	<1.0	<1.0
11/10/21		GW-16, GMW-31, GW-14R	8015B & EPA 624	**550**	<50	<5.0	<5.0	<5.0	<10	<5.0	**38**	<5.0	<5.0	<1.0	<1.0
12/07/21		GW-16, GMW-31, GW-14R	8015B & EPA 624	**620**	**120**	<5.0	<5.0	<5.0	<10	<5.0	**39**	<5.0	<5.0	<1.0	<1.0

Legend / Notes:

Data collected prior to July 2014 not verified for completeness nor accuracy.

GWETS = Groundwater extraction and treatment system
TPHd = Total petroleum hydrocarbons as diesel
MTBE = Methyl tertiary-butyl ether
TBA = tertiary-Butyl alcohol
DIPE = Diisopropyl ether
ETBE = Ethyl tertiary-butyl ether
TPHg = Total petroleum hydrocarbons as gasoline
TAME = tertiary-Amyl-methyl ether
µg/L = Micrograms per liter
-- = Not available or not analyzed

<1 = Not detected at or above the Method Reporting Limit (MRL) shown. Beginning 7/9/14, not detected at or above the Method Detection Limit (MDL) shown.

J = Estimated value. Analyte detected at a level less than the MRL and greater than or equal to the MDL.

- Reported concentrations are shown in bold.

1 = GWETS manually shut down.

2 = GWETS restarted on 7/2/14, 1/13/15 and 2/25/15.

3 = GWETS manually shut down on 11/11/14.

4 = GWETS temporarily restarted but left off-line upon departure.

5 = GWETS manually shut down on 4/13/15, 5/6/15, 4/4/16, 9/26/16, 11/7/16, 3/8/17, 4/17/17 and 7/3/17, and restarted on 4/27/15, 5/8/15, 4/28/16, 10/12/16, 11/23/16, 3/15/17, 4/25/17 and 7/17/17, respectively.

6 = GWETS restarted following an automatic shut down on 2/4/17.

7 = GWETS manually shut down on 11/20/17 and largely remained off-line through late May 2018, as well as during July and December 2018, with the exception of a few operational days and/or weeks to collect system removal performance samples following the completion of media change out work, and/or to complete routine groundwater monitoring and sampling work along with system maintenance activities.

8 = GWETS manually shut down from 7/9/18 to 7/12/18 for installation of replacement discharge totalizer, 7/13/18 to 7/16/18 for repairs, and 7/18/18 to 7/20/18 for carbon changeout fieldwork.

TABLE 8

Historical Summary of Analytical Groundwater Sampling Results - Influent GWETS

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Legend / Notes:

9 = GWETS off-line since 2/27/19 pending the completion of an alternative waste discharge evaluation study.

10 = GWETS restarted on October 10, 2019 per the new sewer discharge permit. Sampling will begin January 1, 2020 per the permit requirements.

11 = TPHd and benzene, toluene, and ethylbenzene analyzed for mass extraction purposes only; new Industrial Waste Discharge (IWD) permit has different analytical requiremets than previous stormsewer discharge permit.

12 = GWETS manually shut down on 6/30/20 and largely remained off-line through early January 2021 with the exception of a few operational days and/or weeks to collect system removal performance samples.

13 = GWETS restarted on 1/5/21.

TABLE 9A

Historical Summary of Field Vapor Readings - Former Tank Farm Horizontal Wells

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Notes	Vapor Extraction System(s) Wells On Line *	Well GRO Concentration (ppmv) / Screen Depth for Horizontal Wells or Interval in Feet Below Grade for Vertical Wells					
			HW-1	HW-3 **	HW-5	HW-7 **	HW-8	HW-9
			25	25	25	25	60	220
07/09/14	1	VEW-32, VEW-33, VEW-34, VEW-35, VEW-36, VEW-37, HW-1, HW-3, HW-5, HW-7	69	20	140	4,176	--	--
07/18/14		VEW-32, VEW-33, VEW-34, VEW-35, VEW-36, VEW-37, HW-1, HW-3, HW-5, HW-7	74	21	4,000	15,000	--	--
08/27/14	2	VEW-32, VEW-33, VEW-34, VEW-35, VEW-36, VEW-37, HW-1, HW-3, HW-5, HW-7	0.8	4.5	3.6	0.1	--	--
08/27/14	3	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	2.1	0	2.5	146.0	--	--
10/23/14	4	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	3.3	20.0	2.9	2	--	--
12/17/14	4	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	0	0	0	0.2	--	--
03/30/15	4,5	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	24	2	62	382.0	--	--
04/02/15	4	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	400	34	270	370	--	--
04/06/15	4	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	825	160	835	800	--	--
04/08/15	4	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	800	315	600	580	--	--
04/15/15	4	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	680	297	545	585	--	--
04/24/15	6	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	1,900	125	533	1,233	--	--
04/27/15	4,6	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	1,455	138	400	810	--	--
06/08/15	6,7	VEW-32, VEW-33, VEW-34	--	--	--	--	--	--
06/12/15	6	VEW-32, VEW-33, VEW-34	--	--	--	--	--	--
06/15/15	6	VEW-32, VEW-33, VEW-34	--	--	--	--	--	--
06/26/15	6	VEW-32, VEW-33, VEW-34	--	--	--	--	--	--
07/16/15	6	VEW-32, VEW-33, VEW-34	--	--	--	--	--	--
08/10/15	4,6,8	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5	1,947	28	676	732	--	--
08/20/15	6,9	VEW-32, VEW-33, HW-1, HW-3, HW-5	1,792	--	1,283	1,526	--	--
09/08/15	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	1,914	--	839	1,811	--	--
09/16/15	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	1,333	--	756	1,142	--	--
10/09/15	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	854	--	462	807	--	--
11/04/15	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	605	--	372	500	--	--
12/07/15	4,6	VEW-32, VEW-33, HW-1, HW-3, HW-5	880	--	590	760	--	--
01/13/16	4,6	VEW-32, VEW-33, HW-1, HW-3, HW-5	640	--	415	390	--	--
02/08/16	4,6	VEW-32, VEW-33, HW-1, HW-3, HW-5	520	--	300	240	--	--

TABLE 9A

Historical Summary of Field Vapor Readings - Former Tank Farm Horizontal Wells

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Notes	Vapor Extraction System(s) Wells On Line *	Well GRO Concentration (ppmv) / Screen Depth for Horizontal Wells or Interval in Feet Below Grade for Vertical Wells					
			HW-1	HW-3 **	HW-5	HW-7 **	HW-8	HW-9
			25	25	25	25	60	220
03/02/16	4,6	VEW-32, VEW-33, HW-1, HW-3, HW-5	400	--	360	180	--	--
04/06/16	4,6	VEW-32, VEW-33, HW-1, HW-3, HW-5	420	--	260	220	--	--
05/04/16	4,6	VEW-32, VEW-33, HW-1, HW-3, HW-5	400	--	240	180	--	--
06/17/16	6	HW-1, HW-3, HW-5	740	--	470	330	--	--
07/06/16	6,10	HW-1, HW-3, HW-5	480	--	340	220	--	--
08/05/16	6	HW-1, HW-3, HW-5	240	4	190	230.0	--	--
09/01/16	6,10	HW-1, HW-3, HW-5	280	--	220	260	--	--
10/20/16	4,6,10,11	HW-1, HW-3, HW-5, HW-7	200	140	240	280	--	--
11/01/16	6,10	HW-1, HW-3, HW-5, HW-7	160	120	180	260	--	--
12/05/16	4,6,10	HW-1, HW-3, HW-5, HW-7	120	100	200	240	--	--
01/09/17	6,10	HW-1, HW-3, HW-5, HW-7	80	17	180	200	--	--
02/06/17	4,6,10	HW-1, HW-3, HW-5, HW-7	100	13	160	180	--	--
03/20/17	12	HW-1, HW-3, HW-5, HW-7	110	12	120	160	--	--
04/17/17		HW-1, HW-3, HW-5, HW-7	120	10	160	220	--	--
05/03/17		HW-1, HW-3, HW-5, HW-7	100	19	140	260	--	--
06/05/17		HW-1, HW-3, HW-5	107	15	82	211	--	--
07/19/17	13	HW-5, HW-7 and VEW-39	--	49	79	286	--	--
08/09/17	14,15	HW-1, HW-5, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	192	--	94	236	--	--
09/07/17	14,15	HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	180	--	60	220	--	--
10/12/17	14,15	HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	220	--	80	260	--	--
11/02/17	14,15	HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	346	--	105	334	--	--
12/11/17	14,15	HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	280	--	90	220	--	--
01/11/18	15,16	HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-1, RW-9, RW-13, RW-18 and RW-26	160	--	120	340	--	--
02/12/18	15	HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-1 through RW-18, and RW-26	60	--	75	290	--	--
03/14/18	15	HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-1, -4, -5, -7, -9, -10, -11, -13, -14, -18 and -26	--	--	--	--	--	--
03/28/18	15	HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-1, -4, -5, -7, -9, -10, -11, -13, -14, -18 and -26	200	--	160	240	--	--

TABLE 9A

Historical Summary of Field Vapor Readings - Former Tank Farm Horizontal Wells

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Notes	Vapor Extraction System(s) Wells On Line *	Well GRO Concentration (ppmv) / Screen Depth for Horizontal Wells or Interval in Feet Below Grade for Vertical Wells					
			HW-1	HW-3 **	HW-5	HW-7 **	HW-8	HW-9
			25	25	25	25	60	220
04/02/18	15	HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-1, -4, -5, -7, -9, -10, -11, -13, -14, -18 and -26	180	--	140	220	--	--
05/02/18	15	HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-1, -4, -5, -7, -9, -10, -11, -13, -14, -18 and -26	140	--	120	200	--	--
06/06/18	15	HW-1, HW-5, HW-7, VEW-39, RW-1, -4, -9, -10, -11, -13, -14 and -18	100	--	80	160	--	--
06/27/18	15	HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-19, -20, -22, -24, -26 through -30, -32, -33, -35 through -38 and -40 through -50	--	--	--	--	--	--
07/16/18	15	HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-19, -20, -22, -24, -26 through -30, -32, -33, -35 through -38 and -40 through -50	--	--	--	--	--	--
07/30/18	15	HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-19, -20, -22, -24, -26 through -30, -32, -33, -35 through -38 and -40 through -50	--	--	--	--	--	--
08/29/18	15	HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-19, -20, -22, -24, -26 through -30, -32, -33, -35 through -38 and -40 through -50	--	--	--	--	--	--
12/03/18	15	HW-1, HW-5, HW-7, RW-1, -4, -5, -9, -10, -11, -14, -18, VEW-40, RW- 22, -24, -26, -27 -28, -29, -35, -40, -44, 30,-32, -33, -36, -37, -41, -42, -43, -46, -47, -48, -49, -50	--	--	--	--	--	--
01/25/19	15	HW-1, HW-5, HW-7, RW-1, -4, -5, -9, -10, -11, -14, -18, VEW-40, RW- 22, -24, -26, -27 -28, -29, -35, -40, -44, 30,-32, -33, -36, -37, -41, -42, -43, -46, -47, -48, -49, -50	1,127	--	375	474	--	--
02/12/19	15	HW-1, HW-5, HW-7, RW-1, -4, -5, -9, -10, -11, -14, -18, VEW-40, RW- 22, -24, -26, -27 -28, -29, -35, -40, -44, 30,-32, -33, -36, -37, -41, -42, -43, -46, -47, -48, -49, -50	1,845	--	696	718	--	--
03/06/19	15	HW-1, HW-5, HW-7, RW-1, -4, -5, -9, -10, -11, -14, -18, VEW-40, RW- 22, -24, -26, -27 -28, -29, -35, -40, -44, 30,-32, -33, -36, -37, -41, -42, -43, -46, -47, -48, -49, -50	1,309	--	1,115	939	--	--
03/12/19	15,17	HW-1, HW-5, HW-7, RW-1, -4, -5, -9, -10, -11, -14, -18, VEW-40, RW- 22, -24, -26, -27 -28, -29, -35, -40, -44, 30,-32, -33, -36, -37, -41, -42, -43, -46-, -47, -48, -49, -50	--	--	--	--	--	--
03/20/19	15	HW-1, HW-5, HW-7, RW-1, -4, -5, -9, -10, -11, -14, -18, VEW-40, RW- 22, -24, -26, -27 -28, -29, -35, -40, -44, 30,-32, -33, -36, -37, -41, -42, -43, -46, -47, -48, -49, -50	591	--	234	730	--	--
03/26/19	15	HW-1, HW-5, HW-7, RW-1, -4, -5, -9, -10, -11, -14, -18, VEW-40, RW- 22, -24, -26, -27 -28, -29, -35, -40, -44, 30,-32, -33, -36, -37, -41, -42, -43, -46, -47, -48, -49, -50	--	--	--	--	--	--
04/09/19	15,18	HW-1, HW-5, HW-7, RW-1, -4, -5, -9, -10, -11, -14, -18, VEW-40, RW- 22, -24, -26, -27 -28, -29, -35, -40, -44, 30,-32, -33, -36, -37, -41, -42, -43, -46, -47, -48, -49, -50	>15,000	--	1,541	1,725	--	--

TABLE 9A

Historical Summary of Field Vapor Readings - Former Tank Farm Horizontal Wells

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Notes	Vapor Extraction System(s) Wells On Line *	Well GRO Concentration (ppmv) / Screen Depth for Horizontal Wells or Interval in Feet Below Grade for Vertical Wells					
			HW-1	HW-3 **	HW-5	HW-7 **	HW-8	HW-9
			25	25	25	25	60	220
11/25/19	19,20	HW-1, HW-5, HW-7, HW-8, HW-9	730	--	501	730	--	1,820
12/16/19		HW-1, HW-5, HW-7, HW-8, HW-9	4,900	--	1,336	1,215	431	1,375
01/15/20		HW-1, HW-5, HW-7, HW-8, HW-9	184	--	6	10	976	22
02/05/20		HW-1, HW-5, HW-7, HW-8, HW-9	371	--	5	124	6	843
02/14/20		HW-1, HW-5, HW-7, HW-8, HW-9	397	--	24	366	4	805
02/18/20		HW-1, HW-5, HW-7, HW-8, HW-9	139	--	4	149	3	530
02/27/20		HW-1, HW-5, HW-7, HW-8, HW-9	155	--	29	21	2	1,192
03/04/20		HW-1, HW-5, HW-7, HW-8, HW-9	2,188	--	611	461	61	774
03/16/20		HW-1, HW-5, HW-7, HW-8, HW-9	1,520	--	241	186	21	4,344
03/24/20		HW-1, HW-5, HW-7, HW-8, HW-9	339	--	57	156	6	2,681
04/01/20		HW-1, HW-5, HW-7, HW-8, HW-9	132	--	5	87	4	1,982
04/10/20		HW-1, HW-5, HW-7, HW-8, HW-9	172	--	5	145	0	378
04/15/20		HW-1, HW-5, HW-7, HW-8, HW-9	143	--	4	286	3	768
04/24/20		HW-1, HW-5, HW-7, HW-8, HW-9	83	--	16	337	4	780
05/01/20		HW-1, HW-5, HW-7, HW-8, HW-9	108	--	1	15000+	1	15000+
05/06/20		HW-1, HW-5, HW-7, HW-8, HW-9	99	--	18	15000+	2	15000+
05/15/20		HW-1, HW-5, HW-7, HW-8, HW-9	199	--	8	697	7	1,058
05/28/20		HW-1, HW-5, HW-7, HW-8, HW-9	105	--	5	636	5	1,841
06/03/20		HW-1, HW-5, HW-7, HW-8, HW-9	88	--	3	475	4	968
06/09/20		HW-1, HW-5, HW-7, HW-8, HW-9	73	--	3	399	1	853
06/22/20		HW-1, HW-5, HW-7, HW-8, HW-9	140	--	71	493	3	957
06/23/20	21	HW-1, HW-7, HW-9	--	--	--	--	--	--
07/01/20		HW-1, HW-7, HW-9	165	--	--	615	--	1,867
07/07/20		HW-1, HW-7, HW-9	123	--	--	457	--	1,882
07/17/20		HW-1, HW-7, HW-9	127	--	--	387	--	3,470
07/20/20		HW-1, HW-7, HW-9	127	--	--	339	--	1,893
07/31/20		HW-1, HW-7, HW-9	106	--	--	330	--	211
08/07/20		HW-1, HW-7, HW-9	320	--	--	503	--	929

TABLE 9A

Historical Summary of Field Vapor Readings - Former Tank Farm Horizontal Wells

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Notes	Vapor Extraction System(s) Wells On Line *	Well GRO Concentration (ppmv) / Screen Depth for Horizontal Wells or Interval in Feet Below Grade for Vertical Wells					
			HW-1	HW-3 **	HW-5	HW-7 **	HW-8	HW-9
			25	25	25	25	60	220
08/10/20		HW-1, HW-7, HW-9	98	--	--	463	--	2,908
08/17/20		HW-1, HW-7, HW-9	128	--	--	660	--	3,633
08/24/20		HW-1, HW-7, HW-9	141	--	12	615	15	7,848
08/26/20		HW-1, HW-7, HW-9	108	--	--	546	--	2,573
08/31/20		HW-1, HW-7, HW-9	97	--	--	490	--	1,873
09/11/20		HW-1, HW-7, HW-9	86	--	--	439	--	1,502
09/14/20		HW-1, HW-7, HW-9	362	--	--	398	--	3,815
09/24/20		HW-1, HW-7, HW-9	42	--	--	311	--	34
09/28/20		HW-1, HW-7, HW-9	115	--	--	471	--	1,783
10/05/20		HW-1, HW-7, HW-9	122	--	--	400	--	3,011
10/12/20		HW-1, HW-7, HW-9	77	--	--	219	--	1,542
10/19/20		HW-1, HW-7, HW-9	101	--	--	1,791	--	1,771
10/28/20		HW-1, HW-7, HW-9	102	--	--	171	--	69
11/5/20		HW-1, HW-7, HW-9	107	--	49	165	124	1,421
11/16/20		HW-1, HW-5, HW-7, HW-9	64	--	25	134	--	964
11/24/20		HW-1, HW-5, HW-7, HW-9	46	--	104	--	--	993
1/15/21		HW-1, HW-9, HW-5, HW-7	48	--	72	56	--	976
2/4/21		HW-1, HW-9, HW-5, HW-7	139	--	77	59	--	421
2/8/21		HW-1, HW-9, HW-5, HW-7	48	--	--	--	--	--
2/24/21		HW-1, HW-9, HW-5, HW-7	43	--	6	35	--	1,287
3/4/21		HW-1, HW-8, HW-9, HW-5, HW-7	48	--	33	295	46	535
3/8/21	22	HW-1, HW-8, HW-9, HW-5, HW-7	48	--	19	231	3	458
3/15/21		HW-1, HW-9, HW-5, HW-7	37	--	48	245	--	1,192
3/24/21		HW-1, HW-9, HW-5, HW-7	43	--	63	73	--	1,274
3/30/21		HW-1, HW-9, HW-5, HW-7	--	--	73	68	--	1,150
4/6/21		HW-1, HW-9, HW-5, HW-7	43	--	49	346	--	592
4/15/21		HW-1, HW-9, HW-5, HW-7	33	--	33	193	--	605
4/19/21		HW-1, HW-9, HW-5, HW-7	71	--	42	--	--	369

TABLE 9A

Historical Summary of Field Vapor Readings - Former Tank Farm Horizontal Wells

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Notes	Vapor Extraction System(s) Wells On Line *	Well GRO Concentration (ppmv) / Screen Depth for Horizontal Wells or Interval in Feet Below Grade for Vertical Wells					
			HW-1	HW-3 **	HW-5	HW-7 **	HW-8	HW-9
			25	25	25	25	60	220
4/26/21		HW-1, HW-9, HW-5, HW-7	58	--	61	141	--	456
5/10/21		HW-1, HW-9, HW-5, HW-7	144	--	100	364	--	833
5/19/21		HW-1, HW-9, HW-5, HW-7	61	--	64	104	--	583
5/28/21		HW-1, HW-9, HW-5, HW-7	46	--	15	121	--	675
6/4/21		HW-1, HW-9, HW-5, HW-7	25	--	7	121	--	879
6/16/21		HW-1, HW-9, HW-5, HW-7	70	--	16	101	--	493
6/21/21		HW-1, HW-9, HW-5, HW-7	37	--	14	136	--	727
6/28/21		HW-1, HW-9, HW-5, HW-7	21	--	5	133	--	840
7/7/21		HW-1, HW-9, HW-5, HW-7	79	--	37	153	--	613
7/16/21		HW-1, HW-9, HW-5, HW-7	31	--	21	102	--	448
7/23/21		HW-1, HW-9, HW-5, HW-7	43	--	18	118	--	425
7/28/21		HW-1, HW-9, HW-5, HW-7	49	--	45	137	--	697
8/3/21		HW-1, HW-9, HW-5, HW-7	27	--	24	125	--	515
8/9/21		HW-1, HW-9, HW-5, HW-7	41	--	46	68	--	715
8/18/21		HW-1, HW-9, HW-5, HW-7	22	--	12	102	--	698
8/25/21		HW-1, HW-9, HW-5, HW-7	18	--	20	68	--	479
8/31/21		HW-1, HW-9, HW-5, HW-7	13	--	18	46	--	455
9/14/21		HW-1, HW-9, HW-5, HW-7	59	--	54	201	--	710
9/20/21		HW-1, HW-9, HW-5, HW-7	63	--	45	153	--	634
9/27/21		HW-1, HW-9, HW-5, HW-7	22	--	14	92	--	788
10/5/21		HW-1, HW-9, HW-5, HW-7	54	--	29	137	--	663
10/13/21		HW-1, HW-9, HW-5, HW-7	17	--	1	90	--	373
10/18/21		HW-1, HW-9, HW-5, HW-7	38	--	7	121	--	621
10/27/21		HW-1, HW-9, HW-5, HW-7	23	--	26	184	--	463
11/1/21		HW-1, HW-9, HW-5, HW-7	65	--	78	145	--	917
11/9/21		HW-1, HW-9, HW-5, HW-7	26	--	14	130	--	546
11/17/21		HW-1, HW-9, HW-5, HW-7	16	--	3	165	--	427
11/30/21		HW-1, HW-9, HW-5, HW-7	14	--	40	187	--	376

TABLE 9A

Historical Summary of Field Vapor Readings - Former Tank Farm Horizontal Wells

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Notes	Vapor Extraction System(s) Wells On Line *	Well GRO Concentration (ppmv) / Screen Depth for Horizontal Wells or Interval in Feet Below Grade for Vertical Wells					
			HW-1	HW-3 **	HW-5	HW-7 **	HW-8	HW-9
			25	25	25	25	60	220
12/6/21		HW-1, HW-9, HW-5, HW-7	18	--	5	151	--	588
12/13/21		HW-1, HW-9, HW-5, HW-7	12	--	3	160	--	831
12/28/21		HW-1, HW-9, HW-5, HW-7	10	--	2	786	--	812

Legend / Notes:

GRO = Gasoline range organics ppmv = Parts per million by volume OVA = Organic Vapor Analyzer -- = Readings not taken VES = Vapor extraction system

Concentrations measured using calibrated field OVA.

1 = Initial readings on carbon VES restart (off line since manually shut down on 05/29/14).
2 = Readings prior to well optimization.
3 = Readings following well optimization (closed wells VEW-35, VEW-36 and VEW-37 based on field OVA readings).
4 = Offline wells temporarily opened for monitoring, then returned to closed position.
5 = Readings collected following slightly opening well field valve to vapor extraction system.
6 = Select soil biopiles also online.
7 = Closed select vapor wells to focus extraction efforts on soil biopiles.
8 = Opened vapor extraction wells HW-1, HW-3 and HW-5 based on field OVA readings.
9 = Closed vapor extraction well VEW-34 on 8/19/15 based on low to non-detectable lab results (see Table 7 for details).
10 = Valved down vapor extraction wells HW-1, HW-3 and/or HW-5 while leaving all other wells closed to focus extraction efforts on soil biopiles.
11 = Opened vapor extraction well HW-7 based on field OVA reading.
12 = Ex-situ remediation project completed/all soil biopiles disconnected and well valves subsequently set to optimize carbon VES in accordance with recent field OVA readings and/or lab data.
13 = Wells VEW-38, VEW-39 and VEW-40 tied into carbon VES during late June 2017 following installation per SGI's March 14, 2017 Well Replacement Report and Work Plan.
14 = For full list of wells online, see SGI's November 15, 2017 *Remediation Status Report - Third Quarter 2017* and *February 15, 2018 Remediation Status Report - Fourth Quarter 2017,* respectively.
15 = See Tables 9B, 9C and 9D for applicable RW on line well field vapor readings.
16 = Wells VEW-38, VEW-39 and VEW-40 disconnected from carbon VES and tied into thermal oxidizer VES upon 01/08/18 startup (see SGI's May 15, 2018 *Remediation Status Report - First Quarter 2018* for details).
17 = New Thermal Oxidizer system startup on 3/13/19.
18 = VES Carbon system shutdown on 4/18/19 to replace blower.
19 = HW-3 abandoned and replaced on 6/7/19 and 6/10/19 and replaced with new horizontal wells HW-8 and HW-9. Nw HW's connected to VES Carbon system on 7/16/19.
20 = VES Carbon system restart on 11/21/19 after new blower installation.
19 = HW-3 abandoned and replaced on 6/7/19 and 6/10/19 and replaced with new horizontal wells HW-8 and HW-9.
21 = Closed off HW-8 and HW-5 due to low PID readings. HW-7 and HW-9 opened 100%
22 = Closed off HW-8 due to low PID readings.

* = Carbon VES only through 2017 and also includes thermal oxidizer VES wells online after 2017.
** = Tabulated data corrected after determining well HW-3 was incorrectly labeled as well HW-7 and vice versa during late July 2017 re-development work.

TABLE 9B
Historical Summary of Field Vapor Readings - Central Area Vertical Wells
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Notes	Vapor Extraction System(s) Wells On Line *	Well GRO Concentration (ppmv) / Screen Interval in Feet Below Grade																																		
			Truckline #1, VECV #17					Truckline #3, VECV #14					Truckline #3, VECV #15					Truckline #4, VECV #16					Truckline #4, VECV #18					Truckline #5, VECV #19					Truckline #5, VECV #20				
			TFR-21	TFR-26	TFR-27	TFR-28	TFR-34	TF-18	TFR-18-E	RTF-18-W	RTF-18-NW	RTF-18-NNW	TFR-20	TFR-23	TFR-24	TFR-30	TFR-33	TFR-29	TFR-32	TFR-35	TFR-36	TFR-37	TFR-17	TFR-18	TFR-19	TFR-22	TFR-25	TFR-11	TFR-13	TFR-14	TFR-15	TFR-16	TFR-5	TFR-7	TFR-9	TFR-10	TFR-12
			13-33	13-33	13-33	13-33	13-33	13 - 33	13 - 33	13 - 33	13 - 33	13-33	13-33	13-33	13-33	13-33	13-33	13 - 33	12 - 33	13 - 33	13 - 33	13 - 33	14 - 33	15 - 33	16 - 33	17 - 33	18 - 33	13 - 33	13 - 33	14 - 33	15 - 33	13 - 33	13 - 33	13 - 33	13 - 33	13 - 33	14 - 33
06/27/18	1,2	HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-19, -20, -22, -24, -26 through -30, -32, -33, -35 through -38 and -40 through 50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/16/2018	1,2	HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-19, -20, -22, -24, -26 through -30, -32, -33, -35 through -38 and -40 through 50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/30/2018	1,2	HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-19, -20, -22, -24, -26 through -30, -32, -33, -35 through -38 and -40 through 50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
08/30/18	1,2	HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-19, -20, -22, -24, -26 through -30, -32, -33, -35 through -38 and -40 through 50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/03/18	1,2	HW-1, HW-5, HW-7, RW-1, -4, -5, -9, -10, -11, -14, -18, VEW-40, RW- 22, -24, -26, -27 -28, -29, -35, -40, -44, 30, -32, -33, -36, -37, -41, -42, -43, -46-, -47, -48, -49, -50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/28/19	1,2	HW-1, HW-5, HW-7, RW-1, -4, -5, -9, -10, -11, -14, -18, VEW-40, RW- 22, -24, -26, -27 -28, -29, -35, -40, -44, 30, -32, -33, -36, -37, -41, -42, -43, -46-, -47, -48, -49, -50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/03/19	1,2	HW-1, HW-5, HW-7, RW-1, -4, -5, -9, -10, -11, -14, -18, VEW-40, RW- 22, -24, -26, -27 -28, -29, -35, -40, -44, 30, -32, -33, -36, -37, -41, -42, -43, -46-, -47, -48, -49, -51, TFR-5, 7, -9, -10, -11, -13, -16, -30, -33, -35, -36, -37	--	--	--	--	--	--	--	--	--	--	--	--	--	7,520	17,360	--	--	5	--	4	--	--	15,540	--	--	9	3,950	--	--	556	120	3,290	1,457	71	--
06/05/19	1,2	HW-1, HW-5, HW-7, RW-1, -4, -5, -9, -10, -11, -14, -18, VEW-40, RW- 22, -24, -26, -27 -28, -29, -35, -40, -44, 30, -32, -33, -36, -37, -41, -42, -43, -46-, -47, -48, -49, -51, TFR-5, 7, -9, -10, -11, -13, -16, -30, -33, -35, -36, -37	--	--	--	--	--	6,960	9,150	--	4,060	--	--	--	32,760	9,990	13,510	13,650	--	--	--	--	16,230	19,200	22,980	32,760	--	--	7,530	--	2,450	203	--	3,260	1,890	--	1,020
07/22/19		(TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, RFR 19, TFR-22), (TFR-13, TFR-14, TFR-15, TFR-16), (TFR-7, TFR-9, TFR-12).	23,400	11,410	6,560	3,280	866	3,020	4,460	2,100	813	1,667	--	--	32,760	12,600	11,250	32,760	--	--	--	--	9,420	7,780	19,760	32,760	--	--	3,790	460	1,180	154	--	2,310	2,410	--	1,470
08/26/19	4	(TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, RFR 19, TFR-22), (TFR-13, TFR-14, TFR-15, TFR-16), (TFR-7, TFR-9, TFR-12).	2,040	382	578	4	146	3,060	2,960	2,150	510	3,180	59	2,230	32,760	7,350	5,270	6,480	40	22	13	24	7,050	6,100	16,220	32,760	98	11	2,760	709	939	95	35	1,715	1,740	26	942
09/23/19		(TFR-21, TFR-26, TFR-27, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, RFR-19, TFR-22), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12).	6,530	3,520	2,560	--	383	3,150	3,700	3,380	348	3,070	--	529	32,760	3,400	1,840	14,420	--	--	--	--	5,040	4,230	12,600	28,450	--	--	1,811	318	260	51	--	1,245	1,220	--	1,218
12/06/19	4	(TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, RFR-19, TFR-22), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12).	7,350	4,360	3,056	2,745	574	3,220	6,060	4,960	4,210	3,490	10	2,260	24,000	5,960	3,730	22,400	68	144	28	118	5,180	3,608	11,480	24,000	204	4	4,030	359	814	8	7	1,226	1,460	24	938
01/08/20		(TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-23, TFR-24, TFR-30, TFR-33), (TFR-17, TFR-18, TFR-19, TFR-22), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12).	8,400	4,260	3,400	2,600	800	5,530	4,330	5,750	1,500	3,180	--	4,000	27,950	6,100	3,200	--	--	--	--	--	4,300	2,400	11,640	28,000	--	--	4,800	150	960	--	--	1,375	1,520	--	310
03/05/20	4	(TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29, TFR-32, TFR-35, TFR-36, TFR-37), (TFR-17, TFR-18, RFR-19, TFR-22, TFR-25), (TFR-11, TFR-13, TFR-14, TFR-15, TFR-16), (TFR-5, TFR-7, TFR-9, TFR-10, TFR-12).	6,920	3,250	1,916	3,238	660	4,620	3,410	2,612	162	1,946	6	1,074	27,850	4,370	2,688	4,080	85	3,940	42	46	3,064	2,560	11,180	32,760	442	8	3,080	74	1,140	12	2	1,320	1,222	15	116
05/01/20		(TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-23, TFR-24, TFR-30, TFR-33), (TFR-17, TFR-18, TFR-19, TFR-22), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12).	6,140	2,512	1,650	2,170	546	3,372	3,446	3,476	1,286	1,886	--	1,520	21,530	5,296	1,970	--	--	--	--	--	3,123	2,136	10,532	29,750	--	--	2,460	146	574	--	--	572	715	--	197
06/02/20		(TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-23, TFR-24, TFR-30, TFR-33), (TFR-17, TFR-18, TFR-19),(TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12).	5,720	2,130	1,490	2,210	335	1,845	2,450	1,810	36	1,254	--	1,135	19,750	3,780	2,036	--	--	--	--	--	2,610	1,930	7,820	--	--	--	1,686	224	220	--	--	306	424	--	155
09/30/20	4	(TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12).	5,780	1,958	702	964	300	1,100	2,040	1,044	120	1,630	58	184	19,180	1,374	590	7,800	120	62	54	72	1,208	936	6,590	27,830	2,062	36	1,000	100	70	32	22	138	272	20	274
10/22/20		(TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12).	5,960	2,234	802	1,355	304	890	1,878	636	164	1,455	52	286	20,150	1,550	725	5,680	--	--	--	--	1,076	930	6,780	27,400	10,950	--	1,226	120	76	--	--	132	312	--	404
01/21/21	4	(TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12).	1,588	572	668	286	96	444	3,426	3,674	564	3,650	6	38	10,430	596	746	8,130	--	--	--	--	1,412	822	2,674	17,420	6,190	4	2,343	280	278	6	0	388	536	2	462

TABLE 9B
Historical Summary of Field Vapor Readings - Central Area Vertical Wells
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Notes	Vapor Extraction System(s) Wells On Line *	Well GRO Concentration (ppmv) / Screen Interval in Feet Below Grade																																		
			Truckline #1, VECV #17					Truckline #3, VECV #14					Truckline #3, VECV #15					Truckline #4, VECV #16					Truckline #4, VECV #18					Truckline #5, VECV #19					Truckline #5, VECV #20				
			TFR-21	TFR-26	TFR-27	TFR-28	TFR-34	TF-18	RTF-18-E	RTF-18-W	RTF-18-NW	RTF-18-NNW	TFR-20	TFR-23	TFR-24	TFR-30	TFR-33	TFR-29	TFR-32	TFR-35	TFR-36	TFR-37	TFR-17	TFR-18	TFR-19	TFR-22	TFR-25	TFR-11	TFR-13	TFR-14	TFR-15	TFR-16	TFR-5	TFR-7	TFR-9	TFR-10	TFR-12
			13-33	13-33	13-33	13-33	13-33	13 - 33	13 - 33	13 - 33	13 - 33	13-33	13-33	13-33	13-33	13-33	13-33	13 - 33	12 - 33	13 - 33	13 - 33	13 - 33	14 - 33	15 - 33	16 - 33	17 - 33	18 - 33	13 - 33	13 - 33	14 - 33	15 - 33	13 - 33	13 - 33	13 - 33	13 - 33	13 - 33	14 - 33
03/05/21		(TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12).	3,934	1,544	848	874	302	676	3,860	4,010	746	3,828	30	66	16,240	708	912	12,440	--	--	--	--	2,258	1,174	4,890	28,750	9,150	--	2,648	270	342	--	--	278	562	--	212
05/13/21		(TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12).	3,858	1,428	778	588	220	668	2,296	1,954	246	1,848	128	154	12,170	786	584	9,220	--	--	--	--	2,040	500	2,552	19,150	5,690	--	2,160	184	316	--	--	38	490	--	70
07/23/21		(TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12).	3,549	1,492	725	656	275	394	1,396	1,106	264	884	8	20	9,570	458	254	7,780	--	--	--	--	1,048	280	2,132	17,140	3,860	--	1,474	110	174	--	--	86	348	--	62
09/16/21		(TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12).	3,625	1,520	796	620	250	205	1,250	335	940	1,628	12	14	7,130	406	205	8,150	--	--	--	--	968	305	2,084	15,850	4,150	--	1,380	155	210	--	--	102	354	--	98

Legend / Notes:

GRO = Gasoline range organics ppmv = Parts per million by volume OVA = Organic Vapor Analyzer -- = Readings not taken VES = Vapor extraction system

Concentrations measured using calibrated field OVA.

1 = Wells RW-35 through RW-38, and RW47 through RW-50 tied into thermal oxidizer VES during late June 2018 following installation per SGI's July 2018 *Well Installation Completion Report.*

2 = See Tables 9A, 9C and 9D for applicable HW, VEW and RW on line well field vapor readings.

3 = New Thermal Oxidizer system startup on 3/13/19.

4 = Closed wells were opened to check for rebound concentrations.

* = Carbon vapor extraction system and thermal oxidizer vapor extraction system.

TABLE 9C
Historical Summary of Field Vapor Readings - Eastern Area Vertical Wells
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Notes	Vapor Extraction System(s) Wells On Line *	Well GRO Concentration (ppmv) / Screen Interval in Feet Below Grade																								
			Truckline #1, VECV #1					Truckline #1, VECV #2					Truckline #1, VECV #3					Truckline #1, VECV #4				Truckline #1, VECV #5				
			RW-1	RW-6	RW-15	RW-16	RW-17	VEW-32	VEW-37	RW-2	RW-7	RW-11	VEW-33	VEW-36	RW-8	RW-12	RW-18	VEW-34	VEW-35	RW-13	RW-14	RW-3	RW-4	RW-5	RW-9	RW-10
			15 - 35	17 - 37	18 - 38	14 - 34	19 - 39	10 - 25	10 - 25	13 - 33	17 - 37	16 - 36	10 - 25	10 - 25	18.5 - 38.5	14 - 34	18 - 38	10 - 25	10 - 25	15 - 35	14 - 34	17 - 37	14 - 34	14 - 34	15 - 35	14 - 34
07/09/14	1	VEW-32, VEW-33, VEW-34, VEW-35, VEW-36, VEW-37, HW-1, HW-3, HW-5, HW-7	--	--	--	--	--	154	20	--	--	--	10	6.4	--	--	--	4.2	5.5	--	--	--	--	--	--	--
07/18/14		VEW-32, VEW-33, VEW-34, VEW-35, VEW-36, VEW-37, HW-1, HW-3, HW-5, HW-7	--	--	--	--	--	134	18	--	--	--	5.6	4.1	--	--	--	3.3	2.1	--	--	--	--	--	--	--
08/27/14	2	VEW-32, VEW-33, VEW-34, VEW-35, VEW-36, VEW-37, HW-1, HW-3, HW-5, HW-7	--	--	--	--	--	6.3	0	--	--	--	0.4	0	--	--	--	0.4	0.2	--	--	--	--	--	--	--
08/27/14	3	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	--	--	--	--	--	174	--	--	--	--	0.2	--	--	--	--	0	--	--	--	--	--	--	--	--
10/23/14	4	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	--	--	--	--	--	191	151	--	--	--	22	9.1	--	--	--	8.0	28	--	--	--	--	--	--	--
12/17/14	4	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	--	--	--	--	--	62	11	--	--	--	37	24	--	--	--	2.0	15	--	--	--	--	--	--	--
03/30/15	4,5	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	--	--	--	--	--	2.5	1.0	--	--	--	0.1	20	--	--	--	0.3	4.8	--	--	--	--	--	--	--
04/02/15	4	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	--	--	--	--	--	25	0	--	--	--	4.1	0	--	--	--	0	0	--	--	--	--	--	--	--
04/06/15	4	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	--	--	--	--	--	171	0	--	--	--	5.7	0	--	--	--	3.0	0	--	--	--	--	--	--	--
04/08/15	4	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	--	--	--	--	--	195	0	--	--	--	35	0	--	--	--	25	0	--	--	--	--	--	--	--
04/15/15	4	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	--	--	--	--	--	273	0	--	--	--	223	0	--	--	--	87	0	--	--	--	--	--	--	--
04/24/15	6	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/27/15	4,6	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	--	--	--	--	--	210	2.4	--	--	--	324	5.7	--	--	--	115	4.8	--	--	--	--	--	--	--
06/08/15	6,7	VEW-32, VEW-33, VEW-34	--	--	--	--	--	180	--	--	--	--	130	--	--	--	--	40	--	--	--	--	--	--	--	--
06/12/15	6	VEW-32, VEW-33, VEW-34	--	--	--	--	--	194	--	--	--	--	126	--	--	--	--	80	--	--	--	--	--	--	--	--
06/15/15	6	VEW-32, VEW-33, VEW-34	--	--	--	--	--	158	--	--	--	--	77	--	--	--	--	39	--	--	--	--	--	--	--	--
06/26/15	6	VEW-32, VEW-33, VEW-34	--	--	--	--	--	123	--	--	--	--	104	--	--	--	--	20	--	--	--	--	--	--	--	--
07/16/15	6	VEW-32, VEW-33, VEW-34	--	--	--	--	--	256	--	--	--	--	147	--	--	--	--	17	--	--	--	--	--	--	--	--
08/10/15	4,6,8	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5	--	--	--	--	--	456	3.9	--	--	--	334	2.2	--	--	--	63	16	--	--	--	--	--	--	--
08/20/15	6,9	VEW-32, VEW-33, HW-1, HW-3, HW-5	--	--	--	--	--	530	--	--	--	--	329	--	--	--	--	--	--	--	--	--	--	--	--	--
09/08/15	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	--	--	--	--	--	395	--	--	--	--	162	--	--	--	--	--	--	--	--	--	--	--	--	--
09/16/15	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	--	--	--	--	--	266	--	--	--	--	184	--	--	--	--	--	--	--	--	--	--	--	--	--
10/09/15	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	--	--	--	--	--	343	--	--	--	--	258	--	--	--	--	--	--	--	--	--	--	--	--	--
11/04/15	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	--	--	--	--	--	401	--	--	--	--	184	--	--	--	--	--	--	--	--	--	--	--	--	--
12/07/15	4,6	VEW-32, VEW-33, HW-1, HW-3, HW-5	--	--	--	--	--	327	14	--	--	--	246	12	--	--	--	88	22	--	--	--	--	--	--	--
01/13/16	4,6	VEW-32, VEW-33, HW-1, HW-3, HW-5	--	--	--	--	--	220	17	--	--	--	260	22	--	--	--	72	34	--	--	--	--	--	--	--
02/08/16	4,6	VEW-32, VEW-33, HW-1, HW-3, HW-5	--	--	--	--	--	160	11	--	--	--	220	28	--	--	--	55	42	--	--	--	--	--	--	--
03/02/16	4,6	VEW-32, VEW-33, HW-1, HW-3, HW-5	--	--	--	--	--	120	15	--	--	--	240	32	--	--	--	47	31	--	--	--	--	--	--	--
04/06/16	4,6	VEW-32, VEW-33, HW-1, HW-3, HW-5	--	--	--	--	--	60	12	--	--	--	380	18	--	--	--	29	22	--	--	--	--	--	--	--
05/04/16	4,6	VEW-32, VEW-33, HW-1, HW-3, HW-5	--	--	--	--	--	90	19	--	--	--	340	25	--	--	--	36	18	--	--	--	--	--	--	--
06/17/16	6	HW-1, HW-3, HW-5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/06/16	6,10	HW-1, HW-3, HW-5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 9C
Historical Summary of Field Vapor Readings - Eastern Area Vertical Wells
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Notes	Vapor Extraction System(s) Wells On Line *	Well GRO Concentration (ppmv) / Screen Interval in Feet Below Grade																								
			Truckline #1, VECV #1					Truckline #1, VECV #2					Truckline #1, VECV #3					Truckline #1, VECV #4				Truckline #1, VECV #5				
			RW-1	RW-6	RW-15	RW-16	RW-17	VEW-32	VEW-37	RW-2	RW-7	RW-11	VEW-33	VEW-36	RW-8	RW-12	RW-18	VEW-34	VEW-35	RW-13	RW-14	RW-3	RW-4	RW-5	RW-9	RW-10
			15 - 35	17 - 37	18 - 38	14 - 34	19 - 39	10 - 25	10 - 25	13 - 33	17 - 37	16 - 36	10 - 25	10 - 25	18.5 - 38.5	14 - 34	18 - 38	10 - 25	10 - 25	15 - 35	14 - 34	17 - 37	14 - 34	14 - 34	15 - 35	14 - 34
08/05/16	6	HW-1, HW-3, HW-5	--	--	--	--	--	20	8.3	--	--	--	140	34	--	--	--	11	9.0	--	--	--	--	--	--	--
09/01/16	6,10	HW-1, HW-3, HW-5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/20/16	4,6,10,11	HW-1, HW-3, HW-5, HW-7	--	--	--	--	--	32	6.4	--	--	--	80	30	--	--	--	9.1	7.3	--	--	--	--	--	--	--
11/01/16	6,10	HW-1, HW-3, HW-5, HW-7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/05/16	4,6,10	HW-1, HW-3, HW-5, HW-7	--	--	--	--	--	20	7.1	--	--	--	60	20	--	--	--	17	8.8	--	--	--	--	--	--	--
01/09/17	6,10	HW-1, HW-3, HW-5, HW-7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
02/06/17	4,6,10	HW-1, HW-3, HW-5, HW-7	--	--	--	--	--	12	5.4	--	--	--	45	14	--	--	--	11	6.1	--	--	--	--	--	--	--
03/20/17	12	HW-1, HW-3, HW-5, HW-7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/17/17		HW-1, HW-3, HW-5, HW-7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/03/17		HW-1, HW-3, HW-5, HW-7	--	--	--	--	--	15	6.7	--	--	--	33	19	--	--	--	17	8.1	--	--	--	--	--	--	--
06/05/17		HW-1, HW-3, HW-5	--	--	--	--	--	10	11	--	--	--	14	12	--	--	--	8.0	7.1	--	--	--	--	--	--	--
07/19/17	13	HW-5, HW-7 and VEW-39	--	--	--	--	--	12	4.8	--	--	--	47	6.2	--	--	--	9.3	4.1	--	--	--	--	--	--	--
08/09/17	1,2,3	HW-1, HW-5, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	1,268	--	--	--	--	5.5	5.4	16	120	--	27	3.7	--	76	374	7.7	2.3	2,440	--	--	--	--	1,164	--
09/07/17	2,3	HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	3,860	--	--	--	--	9.2	10	99	495	--	20	14	--	90	679	11	5.5	2,870	--	--	--	--	320	--
10/12/17	2,3	HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	2,480	--	--	--	--	13	12	75	310	--	28	19	--	120	580	14	9.3	2,620	--	--	--	--	660	--
11/02/17	2,2	HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	3,140	--	--	--	--	10	9.1	50	225	--	23	15	--	140	430	11	6.6	3,200	--	--	--	--	840	--
12/11/17	2,3	HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	2,250	--	--	--	--	7.7	9.1	60	180	--	20	8.8	--	80	350	9.3	5.1	3,040	--	--	--	--	590	--
03/14/18	4,5	HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-1, -4, -5, -7, -9, -10, -11, -13, -14, -18 and -26	2,520	15	12	40	28	7.2	4.3	31	181	420	2.4	0.4	5.1	5.5	937	8.1	7.3	2,000	1,235	68	598	4,600	2,824	>10,000
07/16/18	4,5	HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-1, -4, -5, -7, -9, -10, -11, -13, -14, -18 and -26	725	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/30/18	4,5	HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-1, -4, -5, -7, -9, -10, -11, -13, -14, -18 and -26	--	--	--	--	--	--	--	401	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
08/29/18	4,5	HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-1, -4, -5, -7, -9, -10, -11, -13, -14, -18 and -26	--	--	--	--	--	--	--	475	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/03/18	4,5	HW-1, HW-5, HW-7, RW-1, -4, -5, -9, -10, -11, -14, -18, VEW-40, RW- 22, -24, -26, -27 -28, -29, -35, -40, -44, 30,-32, -33, -36, -37, -41, -42, -43, -46-, -47, -48, -49, -50	--	--	--	--	--	--	--	--	--	641	--	--	--	--	952	--	--	--	8,157	--	>15,000	>15,000	>15,000	>15,000
03/12/19	3,6	HW-1, HW-5, HW-7, RW-1, -4, -5, -9, -10, -11, -14, -18, VEW-40, RW- 22, -24, -26, -27 -28, -29, -35, -40, -44, 30,-32, -33, -36, -37, -41, -42, -43, -46-, -47, -48, -49, -50	190	0	0	16	3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/27/19	3,6	HW-1, HW-5, HW-7, RW-1, -4, -5, -9, -10, -11, -14, -18, VEW-40, RW- 22, -24, -26, -27 -28, -29, -35, -40, -44, 30,-32, -33, -36, -37, -41, -42, -43, -46-, -47, -48, -49, -50	838	0	--	--	--	--	--	402	--	1,172	--	--	--	--	992	--	--	13,772	--	--	1,021	1,850	6,280	2,150
06/05/19	3	RW-1, -4, -5, -9, -10, -11, -14, -18, VEW-40, RW- 22, -24, -26, -27 -28, -29, -35, -40, -44, 30,-32, -33, -36, -37, -41, -42, -43, -46-, -47, -48, -49, -50	574	--	--	--	--	--	--	--	--	10	--	--	--	--	420	--	--	3,420	--	--	776	1,083	4,210	1,143
07/23/19		(RW-1), (RW-11), (RW-18), (RW-13), (RW-4, RW-5, RW-9, RW-10)	643	--	--	--	--	--	--	--	--	6	--	--	--	--	130	--	--	724.0	--	--	851	805	2,750	1,238
08/26/19	7	(RW-1), (RW-18), (RW-13), (RW-4, RW-5, RW-9, RW-10)	678	2	3	19	3	--	--	33	52	5	--	40.0	37	7	7	13.0	7.0	1,520	1,380	522	430	512	1,455	502
09/23/19		(RW-1), (RW-18), (RW-13), (RW-4, RW-5, RW-9, RW-10)	682	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	177	258	306	179	145	679	637

TABLE 9C
Historical Summary of Field Vapor Readings - Eastern Area Vertical Wells
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Notes	Vapor Extraction System(s) Wells On Line *	Well GRO Concentration (ppmv) / Screen Interval in Feet Below Grade																								
			Truckline #1, VECV #1					Truckline #1, VECV #2					Truckline #1, VECV #3					Truckline #1, VECV #4				Truckline #1, VECV #5				
			RW-1	RW-6	RW-15	RW-16	RW-17	VEW-32	VEW-37	RW-2	RW-7	RW-11	VEW-33	VEW-36	RW-8	RW-12	RW-18	VEW-34	VEW-35	RW-13	RW-14	RW-3	RW-4	RW-5	RW-9	RW-10
			15 - 35	17 - 37	18 - 38	14 - 34	19 - 39	10 - 25	10 - 25	13 - 33	17 - 37	16 - 36	10 - 25	10 - 25	18.5 - 38.5	14 - 34	18 - 38	10 - 25	10 - 25	15 - 35	14 - 34	17 - 37	14 - 34	14 - 34	15 - 35	14 - 34
12/03/19	7	(RW-1), (RW-13, RW-14), (RW-4, RW-5, RW-9, RW-10)	4	2	2	--	--	--	--	2	434	--	--	--	--	--	--	10	6	226	124	--	28	--	116	146
01/08/20		(RW-1), (RW-7), (RW-13, RW-14), (RW-4, RW-9, RW-10)	1,050	--	--	--	--	--	--	--	466	--	--	--	--	--	--	--	--	630	184	--	360	--	1,720	900
03/02/20	7	(RW-1), (RW-2, RW-7), (RW-13, RW-14), (RW-3, RW-4, RW-9, RW-10)	1,156	--	--	--	--	--	2	1,370	262	--	--	2	1,024	2	14	2	2	88	128	46	202	8	836	746
04/30/20		(RW-1), (RW-2, RW-7), (RW-8), (RW-13, RW-14), (RW-3, RW-4, RW-9, RW-10)	694	--	--	--	--	--	--	10	84	--	--	--	514	--	--	--	--	110	164	148	188	--	2,158	710
05/21/20		(RW-1), (RW-7), (RW-8), (RW-13, RW-14), (RW-3, RW-4, RW-9, RW-10)	794	--	--	--	--	--	--	--	56	--	--	--	245	--	--	--	--	135	98	108	164	--	1,530	620
09/29/20	7	(RW-1), (RW-7), (RW-8), (RW-13, RW-14), (RW-3, RW-4, RW-9, RW-10)	704	8	4	--	--	--	--	--	10	--	--	--	38	--	2	4	2	102	--	62	112	--	780	350
10/27/20		(RW-1), (RW-7), (RW-8), (RW-13, RW-14), (RW-3, RW-4, RW-9, RW-10)	834	--	--	--	--	--	--	--	36	--	--	--	60	--	--	--	--	1,262	0	108	140	--	1,028	274
01/21/21	7	(RW-1), (RW-7), (RW-8), (RW-13, RW-14), (RW-3, RW-4, RW-9, RW-10)	604	4	0	0	0	0	0	0	40	0	0	0	116	0	6	0	0	1,676	4	6	140	2	2,086	28
03/05/21		(RW-1), (RW-7), (RW-8), (RW-13), (RW-3, RW-4, RW-9, RW-10)	740	--	--	--	--	--	--	--	6	--	--	--	46	--	--	--	--	442	--	22	160	--	1,660	142
04/27/21		(RW-1), (RW-8), (RW-13), (RW-3, RW-4, RW-9, RW-10)	702	--	--	--	--	--	--	--	--	--	--	--	16	--	--	--	--	308	--	60	114	--	1,650	76
07/22/21		(RW-1), (RW-8), (RW-13), (RW-3, RW-4, RW-9, RW-10)	652	--	--	--	--	--	--	--	--	--	--	--	27	--	--	--	--	206	--	40	206	--	995	42
09/02/21		(RW-1), (RW-8), (RW-13), (RW-3, RW-4, RW-9, RW-10)	722	--	--	--	--	--	--	--	--	--	--	--	19	--	--	--	--	272	--	55	187	--	1,121	36

Legend / Notes:

GRO = Gasoline range organics ppmv = Parts per million by volume OVA = Organic Vapor Analyzer -- = Readings not taken VES = Vapor extraction system

Concentrations measured using calibrated field OVA.

1 = Wells RW-1, RW-2, RW-7, RW-9, RW-12, RW-13 and RW-18 initially tied into carbon VES during early August 2017 following installation per SGI's June 30, 2017 *Remediation Well Installation Update Report*.
2 = For full list of wells on line, see SGI's November 15, 2017 *Remediation Status Report - Third Quarter 2017* and *February 15, 2018 Remediation Status Report - Fourth Quarter 2017*, respectively.
3 = See Tables 9A, 9B and 9D for applicable HW, VEW and RW on line well field vapor readings.
4 = Wells RW-1, RW-2, RW-7, RW-9, RW-12, RW-13 and RW-18 disconnected from carbon VES and tied into thermal oxidizer VES upon 01/08/18 startup.
5 = Wells RW-3 through RW-6, RW-8, RW-10, RW-11, and RW-14 through RW-17 tied into thermal oxidizer VES during mid-February 2018 following installation per SGI's June 30, 2017 *Remediation Well Installation Update Report*.
6 = New Thermal Oxidizer system startup on 3/13/19.
7 = Closed wells were opened to check for rebound concentrations.
* = Carbon VES only through 2017 and also includes thermal oxidizer VES wells online after 2017.

TABLE 9D
Historical Summary of Field Vapor Readings - Southern Area Vertical Wells
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Notes	Vapor Extraction System(s) Wells On Line *	Well GRO Concentration (ppmv) / Screen Interval in Feet Below Grade																																					
			Truckline #2, VECV #6		Trunkline #2, VECV #7					Trunkline #2, VECV #8					Trunkline #2, VECV #9					Trunkline #2, VECV #10					Trunkline #2, VECV #11					Trunkline #2, VECV #12					Trunkline #2, VECV #13				
			RW-21	RW-23	VEW-39	RW-30	RW-31	RW-32	RW-34	VEW-38	VEW-40	RW-26	RW-28	RW-24	RW-25	RW-27	RW-33	RW-43	RW-19	RW-20	RW-22	RW-29	RW-45	RW-35	RW-38	RW-39	RW-40	RW-44	RW-36	RW-37	RW-41	RW-42	RW-46	RW-47	RW-48	RW-49	RW-50				
			13 - 33	13 - 33	13 33	13 - 33	13 - 33	13 - 33	13 - 33	13 33	13 - 33	13 - 33	13 - 33	13 33	13 - 33	14 - 33	15 - 33	13 - 33	13 33	13 - 33	13 - 33	15 - 33	13 - 33	13 33	13 - 33	13 - 33	15 - 33	13 - 33	13 33	13 - 33	13 - 33	15 - 33	13 - 33	13 33	13 - 33	15 - 33	13 - 33				
08/09/17	1,2	HW-1, HW-5, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	160	787	--	6,550	7,165	820	--	--	--	4,340	8,420	1,525	--	--	1,230	--	--	129	1,775	620	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/07/17	2	HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	110	141	--	8,240	3,400	715	--	--	--	3,290	8,080	1,423	--	--	836	--	--	58	1,379	1,123	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/12/17	2	HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	165	340	--	5,800	5,200	955	--	--	--	3,880	9,190	1,200	--	--	900	--	--	220	1,800	818	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/02/17	2	HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	140	250	--	7,330	4,300	1,060	--	--	--	2,900	6,400	1,770	--	--	620	--	--	170	1,410	909	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/11/17	2	HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	120	230	--	6,400	3,900	700	--	--	--	3,400	7,170	1,605	--	--	510	--	--	190	1,660	764	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/14/18		HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-1, -4, -5, -7, -9, -10, -11, -13, -14, -18 and -26	80	320	--	2,900	1,730	800	--	--	--	1,800	3,100	950	--	--	180	--	--	280	840	660	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/27/18	3	HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-19, -20, -22, -24, -26 through -30, -32, -33, -35 through -38 and -40 through -50	55	1,896	--	32	80	421	80	--	--	1,821	5,000	459	89	1,215	843	--	43	42	2,595	2,563	--	416	134	24	1,782	--	452	1,509	849	3,040	--	191	886	728	56				
07/30/18	3	HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-19, -20, -22, -24, -26 through -30, -32, -33, -35 through -38 and -40 through -50	--	--	--	--	1,630	1,253	--	--	--	3,261	>15,000	1,383	--	767	1,283	--	--	--	2,928	1,341	--	522	--	--	778	--	2,166	1,930	--	>15,000	--	3,968	672	1,008	692				
08/29/18	3	HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-19, -20, -22, -24, -26 through -30, -32, -33, -35 through -38 and -40 through -50	--	475	--	4,160	3,378	1,715	1,630	--	>15,000	2,127	>15,000	1,320	--	699	1,324	--	--	--	2,558	1,721	--	658	--	--	856	--	2,616	2,049	4,925	>15,000	--	4,460	641	2,359	674				
12/03/18	3	HW-1, HW-5, HW-7, RW-1, -4, -5, -9, -10, -11, -14, -18, VEW-40, RW- 22, -24, -26, -27 -28, -29, -35, -40, -44, 30,-32, -33, -36, -37, -41, -42, -43,-46-, -47, -48, -49, -50	--	389	--	4,373	4,284	--	3,378	--	--	--	>15,000	857	--	2,685	1,013	--	--	--	362	--	--	532	--	--	538	--	1,507	1,123	>15,000	>15,000	--	--	596	61	309				
03/27/19	3	HW-1, HW-5, HW-7, RW-1, -4, -5, -9, -10, -11, -14, -18, VEW-40, RW- 22, -24, -26, -27 -28, -29, -35, -40, -44, 30,-32, -33, -36, -37, -41, -42, -43, -46-, -47, -48, -49, -50	--	402	--	1,613	3,764	1,013	4,284	--	>15,000	316	4,400	124	--	214	975	--	--	--	402	--	--	399	--	--	1,116	--	961	715	5,575	>15,000	--	>15,000	549	2,740	--				
05/08/19	3	HW-1, HW-5, HW-7, RW-1, -4, -5, -9, -10, -11, -14, -18, VEW-40, RW- 22, -24, -26, -27 -28, -29, -35, -40, -44, 30,-32, -33, -36, -37, -41, -42, -43, -46-, -47, -48, -49, -50	--	14	--	--	--	283	3,764	--	--	--	--	--	--	--	7	--	--	--	569	172	--	--	--	--	14	94	--	--	--	>15,000	248	--	1,107	709	2,740	--				
05/31/19	3	HW-1, HW-5, HW-7, RW-1, -4, -5, -9, -10, -11, -14, -18, VEW-40, RW- 22, -24, -26, -27 -28, -29, -35, -40, -44, 30,-32, -33, -36, -37, -41, -42, -43, -46-, -47, -48, -49, -50	--	13	--	1,326	896	325	--	--	--	246	3,960	85	--	80	181	--	--	--	493	223	--	--	--	--	--	--	--	--	--	--	--	--	--	42	--	--				
06/05/19		HW-1, HW-5, HW-7, RW-1, -4, -5, -9, -10, -11, -14, -18, VEW-40, RW- 22, -24, -26, -27 -28, -29, -35, -40, -44, 30,-32, -33, -36, -37, -41, -42, -43, -46-, -47, -48, -49, -50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	177	--	--	--	--	1,414	--	384	639	1,107	581				
07/22/19		(RW-23), (RW-30, RW-31, RW-32), (VEW-40, RW-26, RW-28), (RW-24, RW-27, RW-33, RW-43), (RW-22, RW-29, RW-45), (RW-35, RW-40, RW-44), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	--	23	--	827	679	293	--	--	2,250	370	3,880	145	--	75	205	61	--	--	634	311	65	123	--	--	203	224	461	245	1,743	1,465	--	383	780	1,175	688				
08/26/19	7	(RW-23), (RW-30, RW-31, RW-32), (VEW-40, RW-26, RW-28), (RW-24, RW-27, RW-33, RW-43), (RW-22, RW-29, RW-45), (RW-35, RW-40, RW-44), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	4	11	10	431	407	331	15	25	2,460	229	2,440	154	12	64	189	42	10	10	505	211	59	98	74	7	135	179	235	153	986	813	75	397	794	950	630				
09/23/19		(RW-23), (RW-30, RW-31, RW-32), (VEW-40, RW-26, RW-28), (RW-24, RW-27, RW-33, RW-43), (RW-22, RW-29, RW-45), (RW-35, RW-40, RW-44), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	--	12		453	340	325	--	23	1,670	233	1,752	89	--	47	180	44	--	--	578	320	29	101	--	--	126	15	316	264	1,113	750	--	147	313	128	267				
12/04/19	7	(RW-30, RW-31, RW-32), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40, RW-44), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	0	0	8	392	226	160	18	18	1,838	314	2,454	10	14	4	140	8	--	--	--	--	--	120	2	4	170	24	344	216	1,126	638	28	270	504	80	400				
01/08/20	3	(RW-30, RW-31, RW-32), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	--	--	--	630	330	260	--	<20	1,920	222	2,700	--	--	--	144	--	--	--	--	--	--	94	--	--	104	--	352	280	1,100	600	--	330	640	84	316				
03/05/20	3, 7	(RW-21, RW-23), (VEW-39, RW-30, RW-31, RW-32, RW-34), (VEW-38, VEW-40, RW-26, RW-28), (RW-24, RW-25, RW-27, RW-33, RW-43), (RW-19, RW-20, RW-22, RW-29, RW-45), (RW-35, RW-38, RW-39, RW-40, RW-44), (RW-36, RW-37, RW-41, RW-42, RW-46), (RW-47, RW-48, RW-49, RW-50)	0	0	4	454	536	240	0	8	1,945	470	3,940	4	4	0	126	4	4	4	508	346	2	46	0	0	80	2	270	182	1,192	688	4	292	520	196	294				
05/01/20		(RW-30, RW-31, RW-32), (VEW-40, RW-26, RW-28), (RW-33), (RW-22, RW-29), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	--	--	--	388	254	186	--	--	1,720	354	1,860	--	--	--	141	--	--	--	284	246	--	2	--	--	96	--	259	134	1,252	572	--	302	997	155	235				
05/21/20		(RW-30, RW-31, RW-32), (VEW-40, RW-26, RW-28), (RW-33), (RW-22, RW-29), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	--	--	--	375	248	188	--	--	1,650	405	2,478	--	--	--	102	--	--	--	170	82	--	20	--	--	70	--	186	132	1,156	622	--	230	352	212	224				
10/02/20	7	(RW-30, RW-31, RW-32), (VEW-40, RW-26, RW-28), (RW-33), (RW-22, RW-29), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	2	--	4	174	54	68	5	24	750	72	926	--	--	--	66	4	--	--	110	70	16	18	--	4	56	6	252	122	1,044	574	66	54	76	16	128				
10/27/20		(RW-30, RW-31, RW-32), (VEW-40, RW-26, RW-28), (RW-33), (RW-22, RW-29), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	--	--	--	242	184	116	18	--	1,115	302	2,352	--	--	--	118	--	--	--	184	165	--	16	--	--	86	--	208	162	988	588	--	270	386	10	178				
01/21/21	7	(RW-30), (VEW-40, RW-26, RW-28), (RW-33), (RW-22, RW-29), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	0	0	0	6	0	0	0	2	12	0	2	0	0	0	0	0	0	0	64	8	0	2	2	0	2	2	96	94	1,156	394	8	166	462	0	104				
03/05/21		(RW-21, RW-23), (RW-30), (VEW-38, VEW-40, RW-26, RW-28), (RW-24, RW-25, RW-27, RW-33, RW-43), (RW-22, RW-29), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	8	4	--	282	--	--	--	36	1,144	136	842	10	4	16	42	8	--	--	8	2	--	16	--	--	102	--	196	90	844	524	--	130	288	14	104				
04/29/21		(RW-30), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	--	--	--	178	--	--	--	2	715	26	388	--	--	--	22	--	--	--	--	--	--	--	--	--	--	--	208	94	620	412	--	78	74	14	74				
07/22/21		(RW-30), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	--	--	--	--	--	--	--	2	738	68	636	--	--	--	60	--	--	--	--	--	--	10	--	--	64	--	184	87	688	362	--	10	18	2	34				

TABLE 9D
Historical Summary of Field Vapor Readings - Southern Area Vertical Wells
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Notes	Vapor Extraction System(s) Wells On Line *	Well GRO Concentration (ppmv) / Screen Interval in Feet Below Grade																																					
			Truckline #2, VECV #6		Trunkline #2, VECV #7					Trunkline #2, VECV #8					Trunkline #2, VECV #9					Trunkline #2, VECV #10					Trunkline #2, VECV #11					Trunkline #2, VECV #12					Trunkline #2, VECV #13				
			RW-21	RW-23	VEW-39	RW-30	RW-31	RW-32	RW-34	VEW-38	VEW-40	RW-26	RW-28	RW-24	RW-25	RW-27	RW-33	RW-43	RW-19	RW-20	RW-22	RW-29	RW-45	RW-35	RW-38	RW-39	RW-40	RW-44	RW-36	RW-37	RW-41	RW-42	RW-46	RW-47	RW-48	RW-49	RW-50
			13 - 33	13 - 33	13 33	13 - 33	13 - 33	13 - 33	13 - 33	13 33	13 - 33	13 - 33	13 - 33	13 33	13 - 33	14 - 33	15 - 33	13 - 33	13 33	13 - 33	13 - 33	15 - 33	13 - 33	13 33	13 - 33	13 - 33	15 - 33	13 - 33	13 33	13 - 33	13 - 33	15 - 33	13 - 33	13 33	13 - 33	15 - 33	13 - 33
09/02/21		(RW-30), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	--	--	--	210	--	--	--	2	725	71	586	--	--	--	55	--	--	--	--	--	--	8	--	--	75	--	136	78	726	351	--	62	54	8	65

Legend / Notes:

GRO = Gasoline range organics ppmv = Parts per million by volume OVA = Organic Vapor Analyzer -- = Readings not taken VES = Vapor extraction system

Concentrations measured using calibrated field OVA.

1 = Wells RW-20 through RW-24, RW-26, and RW-28 through RW-33 initially tied into carbon VES during early August 2017 following installation per SGI's June 30, 2017 *Remediation Well Installation Update Report*.
2 = For full list of wells on line, see SGI's November 15, 2017 *Remediation Status Report - Third Quarter 2017* and *February 15, 2018 Remediation Status Report - Fourth Quarter 2017,* respectively.
3 = See Tables 9A, 9B and 9C for applicable HW, VEW and RW on line well field vapor readings.
4 = Wells RW-20 through RW-24, RW-26, and RW-28 through RW-RW-33 disconnected from carbon VES and tied into thermal oxidizer VES upon 01/08/18 startup (see SGI's May 15, 2018 *Remediation Status Report - First Quarter 2018* for details).
5 = Wells RW-19, RW-25, RW-27, RW-34, and RW-39 through RW-46 tied into thermal oxidizer VES during late June 2018 following installation per SGI's July 2018 *Well Installation Completion Report.*
6 = New Thermal Oxidizer system startup on 3/13/19.
7 = Closed wells were opened to check for rebound concentrations.
* = Carbon VES only through 2017 and also includes thermal oxidizer VES wells online after 2017.

TABLE 10
Historical Summary of Analytical Vapor Sampling Results - Individual Wells
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Well ID	Sample Date	Notes	Laboratory Analysis Methods	GRO Field OVA Reading	GRO		Benzene		Toluene		Ethylbenzene		o-Xylene		m,p-Xylenes		MTBE	
				(ppmv)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)
HW-1	07/09/14	1	8015 & 8260B	**69**	**23**	**96**	<0.2	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	10/23/14			**3.3**	<4.9	<20	<0.2	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	04/27/15			**1,455**	**830**	**3,400**	**1.1**	**3.5**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/10/15			**1,947**	**2,700**	**11,000**	**1.0**	**3.3**	<0.13	<0.50	**0.25**	**1.1**	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	02/08/16			**520**	**440**	**1,800**	**0.88**	**2.8**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	04/06/16			**420**	**340**	**1,400**	**1.0**	**3.2**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	01/18/17	2		**80**	**88**	**310**	**0.59**	**1.9**	**0.18**	**0.67**	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	11/02/17			**346**	**240**	**1,000**	**0.59**	**1.9**	<0.13	<0.50	**0.15**	**0.66**	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	02/12/18			**60**	**27**	**110**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	03/28/18			**167**	**180**	**730**	**0.34**	**1.1**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/06/18			**--**	**110**	**450**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	02/12/19			**1,845**	**810**	**3,300**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	11/25/19			**730**	**200**	**820**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	02/18/20			**139**	**24**	**98**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	05/15/20			**199**	**24**	**100**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	08/24/20			**141**	**12**	**50**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	11/05/20			**107**	**8.3**	**34**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	02/24/21			**43**	**8.3**	**34**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	07/07/21			**79**	**17**	**68**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	10/18/21			**38**	**14**	**58**	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.28	<1.0
HW-3 *	07/09/14	1		**20**	<4.9	<20	<0.2	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	10/23/14			**20**	<4.9	<20	<0.2	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	04/27/15			**138**	**66**	**270**	**0.28**	**0.9**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/10/15			**28**	**7.3**	**30**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	01/18/17	2		**17**	**8.5**	**30**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
HW-5	07/09/14	1		**140**	**46**	**190**	<0.2	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	10/23/14			**2.9**	<4.9	<20	<0.2	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	04/27/15			**400**	**290**	**1,200**	**0.17**	**0.55**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	**0.30**	**1.3**	<0.55	<2.0
	08/10/15			**676**	**930**	**3,800**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	02/08/16			**300**	**320**	**1,300**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	04/06/16			**260**	**210**	**870**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/08/16			**190**	**120**	**480**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	01/18/17	2		**180**	**85**	**300**	**0.34**	**1.1**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	11/02/17			**105**	**39**	**160**	**0.21**	**0.7**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	02/12/18			**75**	**90**	**370**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	03/28/18			**91**	**140**	**560**	**0.63**	**2.0**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/06/18			**--**	**100**	**410**	**0.50**	**1.6**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	02/12/19			**696**	**270**	**1,100**	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	11/25/19			**501**	**170**	**710**	**0.56**	**1.8**	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	02/18/20			**4**	<4.9	<20	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0

TABLE 10
Historical Summary of Analytical Vapor Sampling Results - Individual Wells
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Well ID	Sample Date	Notes	Laboratory Analysis Methods	GRO Field OVA Reading	GRO		Benzene		Toluene		Ethylbenzene		o-Xylene		m,p-Xylenes		MTBE	
				(ppmv)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)
HW-5	05/15/20		8015 & 8260B	8	<4.9	<20	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	08/24/20			12	<4.9	<20	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	11/05/20			49	<4.9	<20	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	02/24/21			6	<4.9	<20	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	07/07/21			37	<4.9	<20	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	10/18/21			7	<4.9	<20	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.28	<1.0
HW-7 *	07/09/14	1		4,176	2,055	8,400	3.1	10	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	10/23/14			2.0	<4.9	<20	<0.2	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	04/27/15			810	590	2,400	3.4	11	0.69	2.6	0.32	1.4	0.20	0.88	1.2	5.0	<0.55	<2.0
	08/10/15			732	950	3,900	6.3	20	0.34	1.3	0.64	2.8	0.30	1.3	2.3	10	<0.55	<2.0
	02/08/16			240	190	780	1.2	3.8	0.37	1.4	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	04/06/16			220	170	710	1.4	4.4	0.53	2.0	<0.12	<0.50	<0.12	<0.50	0.28	1.2	<0.55	<2.0
	08/08/16			230	170	710	2.0	6.5	0.56	2.1	<0.12	<0.50	<0.12	<0.50	0.32	1.4	<0.55	<2.0
	01/18/17	2		200	110	370	2.0	6.5	0.82	3.1	0.12	0.52	0.12	0.51	0.35	1.5	<0.55	<2.0
	05/03/17			260	240	1,000	2.1	6.6	1.2	4.6	0.15	0.64	0.15	0.66	0.51	2.2	<0.55	<2.0
	11/02/17			334	210	860	2.3	7.4	1.2	4.4	0.18	0.78	0.16	0.68	0.51	2.2	<0.55	<2.0
	02/12/18			290	230	960	1.3	4.0	0.48	1.8	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	03/28/18			270	190	760	0.59	1.9	0.21	0.79	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/06/18			--	210	840	1.30	4.2	0.80	3.00	0.12	0.53	0	1	0	2	<0.55	<2.0
	02/12/19			696	240	1,000	2.30	7.2	0.88	3.30	0.14	0.60	0	1	0	2	<0.55	<2.0
	11/25/19			730	240	1,000	0.53	1.7	0.42	1.60	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	02/18/20			149	16	64	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	05/15/20			697	190	760	0.81	2.6	0.69	2.6	<0.12	<0.50	0.12	0.54	0.28	1.2	<0.55	<2.0
	08/24/20			615	130	540	0.88	2.8	0.45	1.70	<0.12	<0.50	<0.12	<0.50	0.28	1.2	<0.55	<2.0
	11/05/20			165	18	72	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	02/24/21			35	6.6	27	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	07/07/21			153	34	140	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	10/18/21			121	29	120	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.28	<1.0
HW-8	11/25/19	8		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/18/20			3	<4.9	<20	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	05/15/20			7	<4.9	<20	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	08/24/20			15	<4.9	<20	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	11/05/20			124	<4.9	<20	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
HW-9	11/25/19	8		1,820	390	1,600	<0.16	<0.5	<0.13	<0.50	0.25	1.1	0.35	1.50	0.94	4.10	<0.55	<2.0
	02/18/20			530	320	1,300	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	05/15/20			1,058	510	2,100	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	08/24/20			7,848	560	2,300	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	11/05/20			1,421	340	1,400	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	02/24/21			1,287	320	1,300	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	07/07/21			613	160	670	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0

TABLE 10
Historical Summary of Analytical Vapor Sampling Results - Individual Wells
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Well ID	Sample Date	Notes	Laboratory Analysis Methods	GRO Field OVA Reading	GRO		Benzene		Toluene		Ethylbenzene		o-Xylene		m,p-Xylenes		MTBE	
				(ppmv)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)
HW-9	10/18/21		8015 & 8260B	**621**	**180**	**740**	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	**0.12**	**0.53**	<0.28	<1.0
VEW-32	07/09/14	1		**154**	**132**	**540**	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	10/23/14			**191**	**19**	**76**	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	04/27/15			**210**	**320**	**1,300**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/10/15			**456**	**460**	**1,900**	**0.66**	**2.1**	<0.13	<0.50	**0.23**	**1.0**	<0.12	<0.50	**0.46**	**2.0**	<0.55	<2.0
	02/08/16			**160**	**130**	**550**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	04/06/16			**60**	**17**	**68**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/17			**9.0**	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
VEW-33	07/09/14	1		**10**	<4.9	<20	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	10/23/14			**22**	**6.6**	**27**	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	04/27/15			**324**	**270**	**1,100**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/10/15			**334**	**290**	**1,200**	**0.50**	**1.6**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	**0.32**	**1.4**	<0.55	<2.0
	02/08/16			**220**	**270**	**1,100**	**0.38**	**1.2**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	04/06/16			**380**	**340**	**1,400**	**0.50**	**1.6**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	**0.25**	**1.1**	<0.55	<2.0
	06/27/17			**5.8**	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
VEW-34	07/09/14	1		**4.2**	<4.9	<20	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	10/23/14			**8.0**	<4.9	<20	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	04/27/15			**115**	**44**	**180**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/10/15			**63**	**14**	**57**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/17			**7.0**	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
VEW-35	07/09/14	1		**5.5**	<4.9	<20	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	10/23/14			**28**	<4.9	<20	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	04/27/15			**4.8**	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/10/15			**16.4**	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/17			**4.5**	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
VEW-36	07/09/14	1		**6.4**	<4.9	<20	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	10/23/14			**9.1**	<4.9	<20	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	04/27/15			**5.7**	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/10/15			**2.2**	**8.1**	**33**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/17			**6.7**	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
VEW-37	07/09/14	1		**20**	<4.9	<20	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	10/23/14			**151**	<4.9	<20	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	04/27/15			**2.4**	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/10/15			**3.9**	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/17			**5.7**	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
VEW-38	06/27/17	3		**331**	**37**	**150**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	07/27/17			**--**	**490**	**2,000**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	09/07/17			**480**	**440**	**1,800**	<0.16	<0.50	<0.13	<0.50	**0.17**	**0.74**	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/18	4		**51**	**8.3**	**34**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
VEW-39	06/27/17	3		**130**	**37**	**150**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0

TABLE 10
Historical Summary of Analytical Vapor Sampling Results - Individual Wells
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Well ID	Sample Date	Notes	Laboratory Analysis Methods	GRO Field OVA Reading	GRO		Benzene		Toluene		Ethylbenzene		o-Xylene		m,p-Xylenes		MTBE	
				(ppmv)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)
VEW-39	07/27/17		8015 & 8260B	--	1,100	4,300	0.41	1.3	<0.13	<0.50	0.78	3.4	<0.12	<0.50	0.62	2.7	<0.55	<2.0
	09/07/17			190	29	120	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
VEW-40	06/27/17	3		3,018	2,700	11,000	0.28	0.88	<0.13	<0.50	0.99	4.3	<0.12	<0.50	0.81	3.5	<0.55	<2.0
	07/27/17			--	8,800	36,000	1.4	4.4	<0.13	<0.50	8.5	37	0.23	1.0	5.3	23	<0.55	<2.0
	09/07/17			9,200	7,600	31,000	0.97	3.1	<0.13	<0.50	3.7	16	0.25	1.1	2.2	9.0	<0.55	<2.0
	06/27/18	4		5,100	2,900	12,000	<0.78	<2.5	<0.78	<2.5	0.78	3.4	<0.58	<2.5	<1.2	<5.0	<2.8	<10
RW-1	08/09/17	5		1,268	1,100	4,400	1.7	5.4	3.7	14	0.85	3.7	0.55	2.4	2.5	11	<0.55	<2.0
	09/07/17			3,860	2,300	9,600	6.3	20	16	60	2.8	12	2.0	8.9	7.4	32	<0.55	<2.0
RW-2	08/09/17	5		16	39	160	0.19	0.61	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	03/14/18			31	22	92	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-3	03/14/18	6		68	37	150	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-4	03/14/18	6		598	460	1,900	1.8	5.9	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-5	03/14/18	6		4,600	2,900	12,000	1.7	5.5	<0.13	<0.50	0.78	3.4	0.18	0.76	2.5	11	<0.55	<2.0
RW-7	08/09/17	5		120	320	1,300	<0.16	<0.50	0.14	0.53	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	03/14/18			54	64	260	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-9	08/09/17	5		1,164	1,100	4,500	0.44	1.4	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	09/07/17			320	240	1,000	0.75	2.4	<0.13	<0.50	0.19	0.83	<0.12	<0.50	0.41	1.8	<0.55	<2.0
	03/14/18			2,824	2,000	8,100	18	59	<0.13	<0.50	5.1	22	3.0	13	9.4	41	<0.55	<2.0
RW-10	03/14/18	6		>10,000	14,000	58,000	14	45	<0.13	<0.50	0.69	3.0	0.53	2.3	5.8	25	<0.55	<2.0
RW-11	03/14/18	6		420	230	950	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-12	08/09/17	5		76	100	420	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	03/14/18			5.5	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-13	08/09/17	5		2,440	1,800	7,400	1.6	5.0	<0.13	<0.50	0.22	0.95	0.28	1.2	1.7	7.4	<0.55	<2.0
	09/07/17			2,870	1,800	7,400	5.9	19.0	<0.13	<0.50	1.8	7.9	1.5	6.4	6.4	28	<0.55	<2.0
	03/14/18			2,000	7,300	30,000	9.1	29	<0.13	<0.50	0.64	2.8	0.46	2.0	1.8	7.6	<0.55	<2.0
RW-14	03/14/18	6		1,235	950	3,900	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-18	08/09/17	5		374	170	700	1.3	4.2	<0.13	<0.50	0.32	1.4	0.28	1.2	1.2	5.3	<0.55	<2.0
	09/07/17			679	320	1,300	2.2	7.1	0.7	3	0.62	2.7	0.53	2.3	2.2	9.6	<0.55	<2.0
	03/14/18			937	490	2,000	1.4	4.4	<0.13	<0.50	<0.12	<0.50	0.25	1.1	0.76	3.3	<0.55	<2.0
RW-19	06/27/18	4		43	4.9	20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-20	08/16/17	5		129	73	300	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	09/07/17			58	61	250	<0.16	<0.50	<0.13	<0.50	0.16	0.69	<0.12	<0.50	0.32	1.4	<0.55	<2.0
	06/27/18	4		42	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-21	08/09/17	5		160	95	390	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/18	4		55	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-22	08/16/17	5		1,775	1,600	6,700	0.38	1.2	<0.13	<0.50	3.2	14	0.20	0.88	4.6	20	<0.55	<2.0
	09/07/17			1,379	1,200	5,000	0.44	1.4	<0.13	<0.50	2.2	9.5	0.48	2.1	3.2	14	<0.55	<2.0
	06/27/18	4		2,595	1,200	4,800	<0.78	<2.5	<0.66	<2.5	<0.58	<2.5	<0.58	<2.5	<1.2	<5.0	<2.8	<10
RW-23	08/09/17	5		787	660	2,700	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	09/07/17			141	83	340	<0.16	<0.50	<0.13	<0.50	0.25	1.1	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0

TABLE 10
Historical Summary of Analytical Vapor Sampling Results - Individual Wells
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Well ID	Sample Date	Notes	Laboratory Analysis Methods	GRO Field OVA Reading	GRO		Benzene		Toluene		Ethylbenzene		o-Xylene		m,p-Xylenes		MTBE	
				(ppmv)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)
	08/16/17	5	8015 & 8260B	**1,525**	**1,400**	**5,900**	<0.16	<0.50	<0.13	<0.50	**0.19**	**0.82**	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-24	09/07/17			**1,423**	**930**	**3,800**	<0.16	<0.50	<0.13	<0.50	**0.37**	**1.6**	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/18	4		**459**	**98**	**400**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-25	06/27/18	4		**89**	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/09/17	5		**4,340**	**7,100**	**29,000**	**0.23**	**0.75**	<0.13	<0.50	**0.94**	**4.1**	<0.12	<0.50	**0.35**	**1.5**	<0.55	<2.0
RW-26	09/07/17			**3,290**	**3,200**	**13,000**	<0.16	<0.50	<0.13	<0.50	**0.88**	**3.8**	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/18	4		**1,821**	**710**	**2,900**	<0.78	<2.5	<0.66	<2.5	<0.58	<2.5	<0.58	<2.5	<1.2	<5.0	<2.8	<10
RW-27	06/27/18	4		**1,215**	**420**	**1,700**	<0.31	<1.0	<0.27	<1.0	<0.23	<1.0	<0.23	<1.0	<0.46	<2.0	<1.1	<4.0
	08/09/17	5		**8,420**	**7,600**	**31,000**	**2.4**	**7.6**	<0.13	<0.50	**9.4**	**41**	**0.28**	**1.2**	**3.7**	**16**	<0.55	<2.0
RW-28	09/07/17			**8,080**	**7,300**	**30,000**	**1.7**	**5.5**	<0.13	<0.50	**8.1**	**35**	**0.25**	**1.1**	**3.0**	**13**	<0.55	<2.0
	06/27/18	4		**5,000**	**4,200**	**17,000**	<0.78	<2.5	<0.66	<2.5	**2.3**	**10**	<0.58	<2.5	**1.9**	**8.2**	<2.8	<10
	08/09/17	5		**620**	**640**	**2,600**	**0.16**	**0.52**	<0.13	<0.50	**0.17**	**0.75**	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-29	09/07/17			**1,123**	**930**	**3,800**	**0.17**	**0.54**	<0.13	<0.50	**0.13**	**0.56**	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/18	4		**2,563**	**780**	**3,200**	<0.78	<2.5	<0.66	<2.5	<0.58	<2.5	<0.58	<2.5	<1.2	<5.0	<2.8	<10
	08/09/17	5		**6,550**	**12,000**	**50,000**	**0.85**	**2.7**	<0.13	<0.50	**17**	**72**	<0.12	<0.50	**0.81**	**3.5**	<0.55	<2.0
RW-30	09/07/17			**8,240**	**3,200**	**13,000**	<0.16	<0.50	<0.13	<0.50	**6.9**	**30**	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/18	4		**32**	**13**	**54**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/09/17	5		**7,165**	**6,800**	**28,000**	**1.2**	**3.9**	**0.20**	**0.76**	**3.2**	**14**	**1.6**	**7.1**	**3.7**	**16**	<0.55	<2.0
RW-31	09/07/17			**3,400**	**2,900**	**12,000**	**0.4**	**1.4**	<0.13	<0.50	**3.0**	**13**	**1.1**	**4.9**	**2.3**	**10**	<0.55	<2.0
	06/27/18	4		**80**	**12**	**51**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/16/17	5		**820**	**880**	**3,600**	<0.16	<0.50	<0.13	<0.50	**0.78**	**3.4**	<0.12	<0.50	**0.28**	**1.2**	<0.55	<2.0
RW-32	09/07/17			**715**	**810**	**3,300**	**0.17**	**0.54**	<0.13	<0.50	**0.55**	**2.4**	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/18	4		**421**	**66**	**270**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/16/17	5		**1,230**	**860**	**3,500**	<0.16	<0.50	<0.13	<0.50	**0.44**	**1.9**	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-33	09/07/17			**836**	**640**	**2,600**	<0.16	<0.50	<0.13	<0.50	**0.35**	**1.5**	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/18	4		**843**	**210**	**840**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-34	06/27/18	4		**46**	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-35	06/27/18	4		**416**	**83**	**340**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-36	06/27/18	4		**452**	**440**	**1,800**	<0.78	<2.5	<0.66	<2.5	<0.58	<2.5	<0.58	<2.5	<1.2	<5.0	<2.8	<10
RW-37	06/27/18	4		**1,509**	**210**	**850**	<0.31	<1.0	<0.27	<1.0	<0.23	<1.0	<0.23	<1.0	<0.46	<2.0	<1.1	<4.0
RW-38	06/27/18	4		**134**	**24**	**100**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-39	06/27/18	4		**24**	**37**	**150**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-40	06/27/18	4		**1,782**	**2,900**	**12,000**	<0.78	<2.5	<0.66	<2.5	**0.78**	**3.4**	<0.58	<2.5	<1.2	<5.0	<2.8	<10
RW-41	06/27/18	4		**849**	**1,300**	**5,300**	<0.78	<2.5	<0.66	<2.5	<0.58	<2.5	<0.58	<2.5	<1.2	<5.0	<2.8	<10
RW-42	06/27/18	4		**3,040**	**1,500**	**6,200**	<0.78	<2.5	<0.66	<2.5	<0.58	<2.5	<0.58	<2.5	<1.2	<5.0	<2.8	<10
RW-43	06/27/18	4		**886**	**230**	**950**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-44	06/27/18	4		**728**	**88**	**360**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	**2.2**	**9.4**	**0.60**	**2.6**	<0.55	<2.0
RW-45	06/27/18	4		**56**	**14**	**57**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	**0.12**	**0.50**	<0.23	<1.0	<0.55	<2.0
RW-46	06/27/18	4		**191**	**44**	**180**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-47	06/27/18	4		**751**	**240**	**1,000**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0

TABLE 10

Historical Summary of Analytical Vapor Sampling Results - Individual Wells

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Well ID	Sample Date	Notes	Laboratory Analysis Methods	GRO Field OVA Reading	GRO		Benzene		Toluene		Ethylbenzene		o-Xylene		m,p-Xylenes		MTBE	
				(ppmv)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)
RW-48	06/27/18	4	8015 & 8260B	**1,454**	**540**	**2,200**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-49	06/27/18	4		**823**	**180**	**720**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-50	06/27/18	4		**5,000**	**1,600**	**6,500**	<0.78	<2.5	<0.66	<2.5	**1.2**	**5.0**	<0.58	<2.5	<1.2	<5.0	<2.8	<10
RTF-18-NW	10/05/17	7		**9,000**	**16,000**	**67,000**	**100**	**330**	**0.18**	**0.66**	**12**	**52**	**13**	**56**	**60**	**260**	<0.55	<2.0
	10/09/17	7		**3,635**	**18,000**	**72,000**	**170**	**550**	<1.3	<5.0	**17**	**75**	**19**	**83**	**92**	**400**	<5.5	<20

Legend / Notes:

GRO = Gasoline range organics

OVA = Organic Vapor Analyzer (calibrated or correlated to Hexane)

MTBE = Methyl tertiary-butyl ether

ppmv = Parts per million by volume

µg/L = Micrograms per liter

<0.6 = Not detected at or above the method reporting limit (MRL) shown.

-- = Not measured

- Reported concentrations are shown in bold.

1 = Samples collected following system restart (off line since manual shut down on 05/29/14).

2 = Field OVA reading from 01/09/17.

3 = System tie in work to allow for vapor extraction completed during late June 2017 following installation per SGI's March 14, 2017 *Well Replacement Report and Work Plan.*

4 = System tie in work to allow for vapor extraction completed during late June 2018 following installation per SGI's July 2018 *Well Installation Completion Report.*

5 = System tie in work to allow for vapor extraction completed during early August 2017 following installation per SGI's June 30, 2017 *Remediation Well Installation Update Report.*

6 = System tie in work to allow for vapor extraction completed during mid-February 2018 following installation per SGI's June 30, 2017 *Remediation Well Installation Update Report.*

7 = Well temporarily utilized as an extraction point as part of vacuum enhanced LNAPL recovery testing per SGI's July 2018 *LNAPL Recovery Testing Report.*

8 = HW-3 abandoned and replaced on 6/7/19 and 6/10/19 and replaced with new horizontal wells HW-8 and HW-9. Nw HW's connected to VES Carbon system on 7/16/19.

* = Tabulated data corrected after determining well HW-3 was incorrectly labeled as well HW-7 and vice versa during late July 2017 re-development work.

TABLE 11A

Biosparge System Operations Summary - October

DFSP Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	Cumulative Blower Runtime (hours)	Blower Discharge Pressure (psig)	Blower Discharge Temperature (°F)	HE Outlet Temperature (°F)	Main Header Pressure (psig)	Sparge Total Flow-dP (in WC)	Sparge Total Pressure (psig)	Sparge Total Temperature (°F)
10/01/21	*	1	16,186.5	--	--	--	--	--	--	--
10/02/21	*		16,186.5	--	--	--	--	--	--	--
10/03/21	*		16,186.5	--	--	--	--	--	--	--
10/04/21	Technician	2	16,186.5	10	255	128	9	8.0	8	117
10/05/21	*		16,210.4	--	--	--	--	--	--	--
10/06/21	*		16,234.4	--	--	--	--	--	--	--
10/07/21	*		16,258.3	--	--	--	--	--	--	--
10/08/21	*		16,282.2	--	--	--	--	--	--	--
10/09/21	*		16,306.2	--	--	--	--	--	--	--
10/10/21	*		16,330.1	--	--	--	--	--	--	--
10/11/21	*		16,354.1	--	--	--	--	--	--	--
10/12/21	*		16,378.0	--	--	--	--	--	--	--
10/13/21	*		16,401.9	--	--	--	--	--	--	--
10/14/21	*		16,425.9	--	--	--	--	--	--	--
10/15/21	Technician		16,449.8	8	240	128	7	9.0	6	115
10/16/21	*		16,473.5	--	--	--	--	--	--	--
10/17/21	*		16,497.3	--	--	--	--	--	--	--
10/18/21	*		16,521.0	--	--	--	--	--	--	--
10/19/21	*		16,544.8	--	--	--	--	--	--	--
10/20/21	*		16,568.5	--	--	--	--	--	--	--
10/21/21	*		16,592.3	--	--	--	--	--	--	--
10/22/21	Technician		16,616.0	10	240	105	9	9.0	7	95
10/23/21	*		16,640.4	--	--	--	--	--	--	--
10/24/21	*		16,664.9	--	--	--	--	--	--	--
10/25/21	*		16,689.3	--	--	--	--	--	--	--
10/26/21	Technician		16,713.7	8	225	110	8	9.0	7	100
10/27/21	*		16,736.8	--	--	--	--	--	--	--
10/28/21	*		16,759.9	--	--	--	--	--	--	--
10/29/21	*		16,782.9	--	--	--	--	--	--	--
10/30/21	*		16,806.0	--	--	--	--	--	--	--
10/31/21	*		16,829.1	--	--	--	--	--	--	--

Legend / Notes:

System operating under SCAQMD Various Locations Permit #G52288

1 = Biosparge system automatically shut down due to high pressure alarm.

2 = Biosparge system restarted.

Biosparge wells on line this month (grouped by location):
Central Area - (TFB-15, -16, 17, -18, -19, -25), (TFB-20, -23, -24, -30, -33), (TFB-32, -35, -36, -37, -38), (TFB-7, -9, -10, -11, -12, -13, -14), (TFB-21, -26, -27, -28, -31, -34), (BSP-25, -26, -28, -29, -30), (BSP-21, -22, -23, -24, -27), (TFB-1, -2, -4, -5, -6, -8). Eastern Area- (RW-1, -6, -15, -16, -17), (BSP-10, -11, RW-2, -7, -11), (BSP-12, -13, RW-3, -8, -12, -18), (BSP-14, RW-4, -5, -9, -10, -13, -14); Southern Area - (BSP-19, -20, RW-21, -23, -26), (BSP-17, -18, RW-30, -31, -32, -34), (BSP-15, -16, -19, -20, -25, -28), (RW-22, -24, -27, -29, -33, -43), (RW-40), (RW-36, -37, -41, -42, -46), (RW-47, -48, -49, -50).

psig = pounds per square inch

in. WC = inches of water column

°F = Degrees Fahrenheit

NA = Not available

HE = Heat Exchanger

-- = Not applicable or not measured

* = Operational values interpolated from chart recorder data or previous monitoring event.

TABLE 11B

Biosparge System Operations Summary - November

DFSP Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	Cumulative Blower Runtime (hours)	Blower Discharge Pressure (psig)	Blower Discharge Temperature (°F)	HE Outlet Temperature (°F)	Main Header Pressure (psig)	Sparge Total Flow (in WC)	Sparge Total Pressure (psig)	Sparge Total Temperature (°F)
11/01/21	*		16,852.2	--	--	--	--	--	--	--
11/02/21	*		16,875.2	--	--	--	--	--	--	--
11/03/21	Technician		16,898.3	10	235	115	9	9.0	7.0	90
11/04/21	*		16,922.5	--	--	--	--	--	--	--
11/05/21	*		16,946.7	--	--	--	--	--	--	--
11/06/21	*		16,970.9	--	--	--	--	--	--	--
11/07/21	*		16,995.1	--	--	--	--	--	--	--
11/08/21	*		17,019.3	--	--	--	--	--	--	--
11/09/21	*		17,043.5	--	--	--	--	--	--	--
11/10/21	*		17,067.7	--	--	--	--	--	--	--
11/11/21	*		17,091.9	--	--	--	--	--	--	--
11/12/21	*		17,116.1	--	--	--	--	--	--	--
11/13/21	*		17,140.3	--	--	--	--	--	--	--
11/14/21	*		17,164.5	--	--	--	--	--	--	--
11/15/21	*		17,188.7	--	--	--	--	--	--	--
11/16/21	*		17,212.9	--	--	--	--	--	--	--
11/17/21	*		17,237.1	--	--	--	--	--	--	--
11/18/21	*		17,261.3	--	--	--	--	--	--	--
11/19/21	Technician		17,285.5	9	215	105	8	9.0	7.0	95
11/20/21	*		17,310.4	--	--	--	--	--	--	--
11/21/21	*		17,335.2	--	--	--	--	--	--	--
11/22/21	Technician		17,360.1	9	245	125	8	8.5	6.5	115
11/23/21	*		17,383.9	--	--	--	--	--	--	--
11/24/21	*		17,407.7	--	--	--	--	--	--	--
11/25/21	*		17,431.5	--	--	--	--	--	--	--
11/26/21	*		17,455.3	--	--	--	--	--	--	--
11/27/21	*		17,479.0	--	--	--	--	--	--	--
11/28/21	*		17,502.8	--	--	--	--	--	--	--
11/29/21	*		17,526.6	--	--	--	--	--	--	--
11/30/21	*		17,550.4	--	--	--	--	--	--	--

Legend / Notes:

System operating under SCAQMD Various Locations Permit #G52288

Biosparge wells on line this month (grouped by location):
Central Area - (TFB-15, -16, 17, -18, -19, -25), (TFB-20, -23, -24, -30, -33), (TFB-32, -35, -36, -37, -38), (TFB-7, -9, -10, -11, -12, -13, -14), (TFB-21, -26, -27, -28, -31, -34), (BSP-25, -26, -28, -29, -30), (BSP-21, -22, -23, -24, -27), (TFB-1, -2, -4, -5, -6, -8). Eastern Area- (RW-1, -6, -15, -16, -17), (BSP-10, -11, RW-2, -7, -11), (BSP-12, -13, RW-3, -8, -12, -18), (BSP-14, RW-4, -5, -9, -10, -13, -14); Southern Area - (BSP-19, -20, RW-21, -23, -26), (BSP-17, -18, RW-30, -31, -32, -34), (BSP-15, -16, -19, -20, -25, -28), (RW-22, -24, -27, -29, -33, -43), (RW-40), (RW-36, -37, -41, -42, -46), (RW-47, -48, -49, -50).

psig = pounds per square inch
in. WC = inches of water column
°F = Degrees Fahrenheit
NA = Not available
HE = Heat Exchanger
-- = Not applicable or not measured
* = Operational values interpolated from chart recorder data or previous monitoring event.

TABLE 11C

Biosparge System Operations Summary - December

DFSP Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	Cumulative Blower Runtime (hours)	Blower Discharge Pressure (psig)	Blower Discharge Temperature (°F)	HE Outlet Temperature (°F)	Main Header Pressure (psig)	Sparge Total Flow (in WC)	Sparge Total Pressure (psig)	Sparge Total Temperature (°F)
12/01/21	Technician		17,574.2	8	215	110	7	9.5	6	100
12/02/21	*		17,597.4	--	--	--	--	--	--	--
12/03/21	*		17,621.1	--	--	--	--	--	--	--
12/04/21	*		17,644.9	--	--	--	--	--	--	--
12/05/21	*		17,668.6	--	--	--	--	--	--	--
12/06/21	*		17,692.3	--	--	--	--	--	--	--
12/07/21	*		17,716.0	--	--	--	--	--	--	--
12/08/21	*		17,739.8	--	--	--	--	--	--	--
12/09/21	Technician		17,763.5	10	205	100	7	8.9	8	88
12/10/21	*		17,784.2	--	--	--	--	--	--	--
12/11/21	*		17,804.8	--	--	--	--	--	--	--
12/12/21	*		17,825.5	--	--	--	--	--	--	--
12/13/21	*		17,846.1	--	--	--	--	--	--	--
12/14/21	Technician	1	17,866.8	--	--	--	--	--	--	--
12/15/21	Technician	2, 3	17,889.8	9	215	104	9	9.0	7	93
12/16/21	*		17,912.4	--	--	--	--	--	--	--
12/17/21	*		17,935.1	--	--	--	--	--	--	--
12/18/21	*		17,957.7	--	--	--	--	--	--	--
12/19/21	*		17,980.3	--	--	--	--	--	--	--
12/20/21	*		18,003.0	--	--	--	--	--	--	--
12/21/21	Technician	4	18,025.6	--	--	--	--	--	--	--
12/22/21	Technician	3	18,033.3	9	215	106	8	9.0	7	98
12/23/21	*		18,057.0	--	--	--	--	--	--	--
12/24/21	*		18,080.8	--	--	--	--	--	--	--
12/25/21	*		18,104.5	--	--	--	--	--	--	--
12/26/21	*		18,128.2	--	--	--	--	--	--	--
12/27/21	*		18,152.0	--	--	--	--	--	--	--
12/28/21	Technician		18,175.7	9	195	90	7	8.5	5	80
12/29/21	*		18,198.7	--	--	--	--	--	--	--
12/30/21	*		18,221.7	--	--	--	--	--	--	--

Legend / Notes:

System operating under SCAQMD Various Locations Permit #G52288

1 = Biosparge system automatically shut down due to power failure.

2 = Trunkline groupings and run times adjusted for system optimization.

3 = Biosparge system restarted.

4 = Biosparge system manually shut down for influence testing.

Biosparge wells on line this month (grouped by location):

Central Area - (TFB-15, -16, 17, -18, -19, -25), (TFB-20, -23, -24, -30, -33), (TFB-32, -35, -36, -37, -38), (TFB-7, -9, -10, -11, -12, -13, -14), (TFB-21, -26, -27, -28, -31, -34), (BSP-25, -26, -28, -29, -30), (BSP-21, -22, -23, -24, -27), (TFB-1, -2, -4, -5, -6, -8). Eastern Area- (RW-1, -6, -15, -16, -17), (BSP-10, -11, RW-2, -7, -11), (BSP-12, -13, RW-3, -8, -12, -18), (BSP-14, RW-4, -5, -9, -10, -13, -14); Southern Area - (BSP-19, -20, RW-21, -23, -26), (BSP-17, -18, RW-30, -31, -32, -34), (BSP-15, -16, -19, -20, -25, -28), (RW-22, -24, -27, -29, -33, -43), (RW-40), (RW-36, -37, -41, -42, -46), (RW-47, -48, -49, -50).

psig = pounds per square inch

in. WC = inches of water column

°F = Degrees Fahrenheit

NA = Not available

HE = Heat Exchanger

-- = Not applicable or not measured

* = Operational values interpolated from chart recorder data or previous monitoring event.

APPENDIX A

LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS

AMERICAN ANALYTICS

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

October 27, 2021

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

Re : DFSP Norwalk VES AQMD / 04-NDLA-013

A5334287 / 1J19005

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 10/19/21 13:39 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334287
Date Received: 10/19/21
Date Reported: 10/27/21

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
VES After GAC-1	1J19005-01	Vapor	5	10/18/21 13:50	10/19/21 13:39
VES After GAC-2	1J19005-02	Vapor	5	10/18/21 13:45	10/19/21 13:39
VOCs Gasoline Range Organics Vapor					
VES After GAC-1	1J19005-01	Vapor	5	10/18/21 13:50	10/19/21 13:39
VES After GAC-2	1J19005-02	Vapor	5	10/18/21 13:45	10/19/21 13:39
VOCs in Vapor as Hexane					
VES After GAC-1	1J19005-01	Vapor	5	10/18/21 13:50	10/19/21 13:39
VES After GAC-2	1J19005-02	Vapor	5	10/18/21 13:45	10/19/21 13:39

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334287
Project No:	04-NDLA-013	**Date Received:**	10/19/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/27/21
Matrix:	Vapor	**Sampled:**	10/18/21
Dilution:	0.5	**Prepared:**	10/20/21
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	10/20/21

VES After GAC-1

1J19005-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.25	ug/L	0.50	<0.078	ppmv	0.16
Ethylbenzene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<1.0	ug/L	2.0	<0.28	ppmv	0.55
Toluene	<0.25	ug/L	0.50	<0.066	ppmv	0.13
o-Xylene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
m,p-Xylenes	<0.50	ug/L	1.0	<0.12	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	86.7 %	70-140
Dibromofluoromethane	105 %	70-140
Toluene-d8	93.3 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334287
Project No:	04-NDLA-013	**Date Received:**	10/19/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/27/21
Matrix:	Vapor	**Sampled:**	10/18/21
Dilution:	0.5	**Prepared:**	10/20/21
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	10/20/21

VES After GAC-2

1J19005-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.25	ug/L	0.50	<0.078	ppmv	0.16
Ethylbenzene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<1.0	ug/L	2.0	<0.28	ppmv	0.55
Toluene	<0.25	ug/L	0.50	<0.066	ppmv	0.13
o-Xylene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
m,p-Xylenes	<0.50	ug/L	1.0	<0.12	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	90.1 %	70-140
Dibromofluoromethane	115 %	70-140
Toluene-d8	92.5 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334287
Project No:	04-NDLA-013	**Date Received:**	10/19/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/27/21
Matrix:	Vapor	**Sampled:**	10/18/21
Dilution:	1	**Prepared:**	10/19/21
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	10/19/21

VES After GAC-1

1J19005-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	<20	ug/L	20	<4.9	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	98.9 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334287
Project No:	04-NDLA-013	**Date Received:**	10/19/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/27/21
Matrix:	Vapor	**Sampled:**	10/18/21
Dilution:	1	**Prepared:**	10/19/21
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	10/19/21

VES After GAC-2

1J19005-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	<20	ug/L	20	<4.9	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	93.7 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334287
Project No:	04-NDLA-013	**Date Received:**	10/19/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/27/21
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	10/18/21	10/18/21	
Date Prepared:	10/19/21	10/19/21	
Date Analyzed:	10/19/21	10/19/21	
AA ID No:	1J19005-01	1J19005-02	
Client ID No:	VES After GAC-1	VES After GAC-2	
Matrix:	Vapor	Vapor	
Dilution Factor:	1	1	MRL
VOCs in Vapor as Hexane (EPA 8015M)			
Total VOCs as Hexane	<4.9	<4.9	4.9

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334287
Date Received: 10/19/21
Date Reported: 10/27/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B1J2022 - *** DEFAULT PREP ****										
Blank (B1J2022-BLK1)				Prepared & Analyzed: 10/20/21						
Benzene	<0.50	0.50	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Toluene	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*44.5*		*ug/L*	*50.0*		*89.0*	*70-140*			
Surrogate: Dibromofluoromethane	*52.5*		*ug/L*	*50.0*		*105*	*70-140*			
Surrogate: Toluene-d8	*47.2*		*ug/L*	*50.0*		*94.4*	*70-140*			
LCS (B1J2022-BS1)				Prepared: 10/20/21 Analyzed: 10/21/21						
Benzene	**17.0**	0.50	ug/L	20.0		85.0	75-125			
Ethylbenzene	**21.9**	0.50	ug/L	20.0		110	75-125			
Methyl-tert-Butyl Ether (MTBE)	**35.2**	2.0	ug/L	40.0		88.1	75-125			
Toluene	**20.7**	0.50	ug/L	20.0		104	75-125			
o-Xylene	**22.3**	0.50	ug/L	20.0		112	75-125			
m,p-Xylenes	**44.1**	1.0	ug/L	40.0		110	75-125			
Surrogate: 4-Bromofluorobenzene	*43.1*		*ug/L*	*50.0*		*86.2*	*70-140*			
Surrogate: Dibromofluoromethane	*48.1*		*ug/L*	*50.0*		*96.2*	*70-140*			
Surrogate: Toluene-d8	*46.2*		*ug/L*	*50.0*		*92.3*	*70-140*			
LCS Dup (B1J2022-BSD1)				Prepared & Analyzed: 10/20/21						
Benzene	**16.6**	0.50	ug/L	20.0		83.2	75-125	2.08	30	
Ethylbenzene	**21.3**	0.50	ug/L	20.0		107	75-125	2.64	30	
Methyl-tert-Butyl Ether (MTBE)	**41.2**	2.0	ug/L	40.0		103	75-125	15.6	30	
Toluene	**20.2**	0.50	ug/L	20.0		101	75-125	2.44	30	
o-Xylene	**21.8**	0.50	ug/L	20.0		109	75-125	2.45	30	
m,p-Xylenes	**43.2**	1.0	ug/L	40.0		108	75-125	2.25	30	
Surrogate: 4-Bromofluorobenzene	*42.9*		*ug/L*	*50.0*		*85.9*	*70-140*			
Surrogate: Dibromofluoromethane	*49.0*		*ug/L*	*50.0*		*98.0*	*70-140*			
Surrogate: Toluene-d8	*46.6*		*ug/L*	*50.0*		*93.3*	*70-140*			
Duplicate (B1J2022-DUP1)				**Source: 1J19005-01** Prepared & Analyzed: 10/20/21						

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334287
Date Received: 10/19/21
Date Reported: 10/27/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B1J2022 - *** DEFAULT PREP ****										
Duplicate (B1J2022-DUP1) Continued			**Source: 1J19005-01**	Prepared & Analyzed: 10/20/21						
Benzene	**<0.25**	0.25	ug/L		<0.25				30	
Ethylbenzene	**<0.25**	0.25	ug/L		<0.25				30	
Methyl-tert-Butyl Ether (MTBE)	**<1.0**	1.0	ug/L		0.310				30	
Toluene	**<0.25**	0.25	ug/L		<0.25				30	
o-Xylene	**<0.25**	0.25	ug/L		<0.25				30	
m,p-Xylenes	**<0.50**	0.50	ug/L		<0.50				30	
Surrogate: 4-Bromofluorobenzene	*44.2*		*ug/L*	*50.0*		*88.3*	*70-140*			
Surrogate: Dibromofluoromethane	*52.4*		*ug/L*	*50.0*		*105*	*70-140*			
Surrogate: Toluene-d8	*46.8*		*ug/L*	*50.0*		*93.5*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B1J1913 - *** DEFAULT PREP ****										
Blank (B1J1913-BLK1)				Prepared & Analyzed: 10/19/21						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*49.1*		*ug/L*	*50.0*		*98.2*	*70-130*			
LCS (B1J1913-BS1)				Prepared & Analyzed: 10/19/21						
Gasoline Range Organics (GRO)	**460**	20	ug/L	500		91.9	75-125			
Surrogate: a,a,a-Trifluorotoluene	*57.3*		*ug/L*	*50.0*		*115*	*70-130*			
LCS Dup (B1J1913-BSD1)				Prepared & Analyzed: 10/19/21						
Gasoline Range Organics (GRO)	**457**	20	ug/L	500		91.4	75-125	0.603	30	
Surrogate: a,a,a-Trifluorotoluene	*59.4*		*ug/L*	*50.0*		*119*	*70-130*			
Duplicate (B1J1913-DUP1)			**Source: 1J19005-01**	Prepared & Analyzed: 10/19/21						
Gasoline Range Organics (GRO)	**<20**	20	ug/L		<20				30	
Surrogate: a,a,a-Trifluorotoluene	*53.8*		*ug/L*	*50.0*		*108*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B1J1913 - *** DEFAULT PREP ****										
Blank (B1J1913-BLK1)				Prepared & Analyzed: 10/19/21						
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B1J1913-DUP1)			**Source: 1J19005-01**	Prepared & Analyzed: 10/19/21						

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334287
Date Received: 10/19/21
Date Reported: 10/27/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor as Hexane - Quality Control										
*Batch B1J1913 - *** DEFAULT PREP ****										
Duplicate (B1J1913-DUP1) Continued	**Source: 1J19005-01**			Prepared & Analyzed: 10/19/21						
Total VOCs as Hexane	**<4.9**	4.9	ppmv		<4.9				30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334287
Project No:	04-NDLA-013	**Date Received:**	10/19/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/27/21

Special Notes

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

9765 ETON AVE., CHATSWORTH, CA 91311
Tel: 818-998-5547 FAX: 818-998-7258

23518

Client:	The Source Group, Inc.	**Project Name / No.:**	DFSP - Norwalk / 091-NOR-001 Task 2	**Sampler's Name:**	Glenn Andrecsko
Project Manager:	Neil Irish	**Site Address:**	15306 Norwalk Blvd	**Sampler's Signature:**	Glenn Andrecsko
Phone:	562-597-1055	**City:**	Norwalk	**P.O. No.:**	
Fax:	569-597-1070	**State & Zip:**	CA 90650	**Quote No.:**	

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

Please enter the TAT Turnaround Codes ** below

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	Total VOCs Gas 8015	Total VOCs Hexane 8015	BTEX/MTBE 8260B								Special Instructions
VES After GAC-1	1579005 -01	10-18-21	1350	Air	1	✓	✓	✓								VOC's reported as
VES After GAC-2	-02	10-18-21	1346	Air	1	✓	✓	✓								GRO (detection limit
																= 4.9 ppmv) and
																VOCs as Hexane
																(detection limit =
																4.9 ppmv)
																Benzene (detection
																limit = 0.15 ppmv)

PRIORITY
SH
Rush HRS
Date 10/19/21 Time 1530 Sign

A5334287/1579005

Relinquished by	Date	Time	Received by
Glenn Andrecsko	10-19-21	9:45	[signature]
[signature]	10-19-21	1339	[signature]

Note: By relinquishing samples to American Analytics, client agrees to pay for the services requested on this chain of custody form and any additional client-requested analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 45 days following the submittal of the sample(s) to American Analytics.

AMERICAN ANALYTICS

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

October 27, 2021

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

Re : DFSP Norwalk VES AQMD / 04-NDLA-013

A5334288 / 1J19006

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 10/19/21 13:39 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334288
Date Received: 10/19/21
Date Reported: 10/27/21

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
VES Carbon-Influent	1J19006-01	Vapor	5	10/18/21 13:51	10/19/21 13:39
VES Carbon-Effluent	1J19006-02	Vapor	5	10/18/21 13:47	10/19/21 13:39
VOCs Gasoline Range Organics Vapor					
VES Carbon-Influent	1J19006-01	Vapor	5	10/18/21 13:51	10/19/21 13:39
VES Carbon-Effluent	1J19006-02	Vapor	5	10/18/21 13:47	10/19/21 13:39
VOCs in Vapor as Hexane					
VES Carbon-Influent	1J19006-01	Vapor	5	10/18/21 13:51	10/19/21 13:39
VES Carbon-Effluent	1J19006-02	Vapor	5	10/18/21 13:47	10/19/21 13:39

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334288
Project No:	04-NDLA-013	**Date Received:**	10/19/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/27/21
Matrix:	Vapor	**Sampled:**	10/18/21
Dilution:	0.5	**Prepared:**	10/20/21
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	10/20/21

VES Carbon-Influent

1J19006-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.25	ug/L	0.50	<0.078	ppmv	0.16
Ethylbenzene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<1.0	ug/L	2.0	<0.28	ppmv	0.55
Toluene	<0.25	ug/L	0.50	<0.066	ppmv	0.13
o-Xylene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
m,p-Xylenes	<0.50	ug/L	1.0	<0.12	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	89.7 %	70-140
Dibromofluoromethane	109 %	70-140
Toluene-d8	93.9 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334288
Project No:	04-NDLA-013	**Date Received:**	10/19/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/27/21
Matrix:	Vapor	**Sampled:**	10/18/21
Dilution:	0.5	**Prepared:**	10/20/21
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	10/20/21

VES Carbon-Effluent

1J19006-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.25	ug/L	0.50	<0.078	ppmv	0.16
Ethylbenzene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<1.0	ug/L	2.0	<0.28	ppmv	0.55
Toluene	<0.25	ug/L	0.50	<0.066	ppmv	0.13
o-Xylene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
m,p-Xylenes	<0.50	ug/L	1.0	<0.12	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	88.6 %	70-140
Dibromofluoromethane	110 %	70-140
Toluene-d8	92.2 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334288
Project No:	04-NDLA-013	**Date Received:**	10/19/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/27/21
Matrix:	Vapor	**Sampled:**	10/18/21
Dilution:	1	**Prepared:**	10/19/21
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	10/19/21

VES Carbon-Influent

1J19006-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**56**	ug/L	20	**14**	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	96.7 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334288
Project No:	04-NDLA-013	**Date Received:**	10/19/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/27/21
Matrix:	Vapor	**Sampled:**	10/18/21
Dilution:	1	**Prepared:**	10/19/21
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	10/19/21

VES Carbon-Effluent

1J19006-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	<20	ug/L	20	<4.9	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	96.1 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334288
Project No:	04-NDLA-013	**Date Received:**	10/19/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/27/21
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	10/18/21	10/18/21	
Date Prepared:	10/19/21	10/19/21	
Date Analyzed:	10/19/21	10/19/21	
AA ID No:	1J19006-01	1J19006-02	
Client ID No:	VES Carbon-Influent	VES Carbon-Effluent	
Matrix:	Vapor	Vapor	
Dilution Factor:	1	1	MRL
VOCs in Vapor as Hexane (EPA 8015M)			
Total VOCs as Hexane	**10**	<4.9	4.9

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334288
Date Received: 10/19/21
Date Reported: 10/27/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B1J2022 - *** DEFAULT PREP ****										
Blank (B1J2022-BLK1)				Prepared & Analyzed: 10/20/21						
Benzene	<0.50	0.50	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Toluene	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*44.5*		*ug/L*	*50.0*		*89.0*	*70-140*			
Surrogate: Dibromofluoromethane	*52.5*		*ug/L*	*50.0*		*105*	*70-140*			
Surrogate: Toluene-d8	*47.2*		*ug/L*	*50.0*		*94.4*	*70-140*			
LCS (B1J2022-BS1)				Prepared: 10/20/21 Analyzed: 10/21/21						
Benzene	**17.0**	0.50	ug/L	20.0		85.0	75-125			
Ethylbenzene	**21.9**	0.50	ug/L	20.0		110	75-125			
Methyl-tert-Butyl Ether (MTBE)	**35.2**	2.0	ug/L	40.0		88.1	75-125			
Toluene	**20.7**	0.50	ug/L	20.0		104	75-125			
o-Xylene	**22.3**	0.50	ug/L	20.0		112	75-125			
m,p-Xylenes	**44.1**	1.0	ug/L	40.0		110	75-125			
Surrogate: 4-Bromofluorobenzene	*43.1*		*ug/L*	*50.0*		*86.2*	*70-140*			
Surrogate: Dibromofluoromethane	*48.1*		*ug/L*	*50.0*		*96.2*	*70-140*			
Surrogate: Toluene-d8	*46.2*		*ug/L*	*50.0*		*92.3*	*70-140*			
LCS Dup (B1J2022-BSD1)				Prepared & Analyzed: 10/20/21						
Benzene	**16.6**	0.50	ug/L	20.0		83.2	75-125	2.08	30	
Ethylbenzene	**21.3**	0.50	ug/L	20.0		107	75-125	2.64	30	
Methyl-tert-Butyl Ether (MTBE)	**41.2**	2.0	ug/L	40.0		103	75-125	15.6	30	
Toluene	**20.2**	0.50	ug/L	20.0		101	75-125	2.44	30	
o-Xylene	**21.8**	0.50	ug/L	20.0		109	75-125	2.45	30	
m,p-Xylenes	**43.2**	1.0	ug/L	40.0		108	75-125	2.25	30	
Surrogate: 4-Bromofluorobenzene	*42.9*		*ug/L*	*50.0*		*85.9*	*70-140*			
Surrogate: Dibromofluoromethane	*49.0*		*ug/L*	*50.0*		*98.0*	*70-140*			
Surrogate: Toluene-d8	*46.6*		*ug/L*	*50.0*		*93.3*	*70-140*			
Duplicate (B1J2022-DUP1)				**Source: 1J19005-01** Prepared & Analyzed: 10/20/21						

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334288
Date Received: 10/19/21
Date Reported: 10/27/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B1J2022 - *** DEFAULT PREP ****										
Duplicate (B1J2022-DUP1) Continued			**Source: 1J19005-01**	Prepared & Analyzed: 10/20/21						
Benzene	**<0.25**	0.25	ug/L						30	
Ethylbenzene	**<0.25**	0.25	ug/L						30	
Methyl-tert-Butyl Ether (MTBE)	**<1.0**	1.0	ug/L		0.310				30	
Toluene	**<0.25**	0.25	ug/L						30	
o-Xylene	**<0.25**	0.25	ug/L						30	
m,p-Xylenes	**<0.50**	0.50	ug/L						30	
Surrogate: 4-Bromofluorobenzene	*44.2*		*ug/L*	*50.0*		*88.3*	*70-140*			
Surrogate: Dibromofluoromethane	*52.4*		*ug/L*	*50.0*		*105*	*70-140*			
Surrogate: Toluene-d8	*46.8*		*ug/L*	*50.0*		*93.5*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B1J1913 - *** DEFAULT PREP ****										
Blank (B1J1913-BLK1)				Prepared & Analyzed: 10/19/21						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*49.1*		*ug/L*	*50.0*		*98.2*	*70-130*			
LCS (B1J1913-BS1)				Prepared & Analyzed: 10/19/21						
Gasoline Range Organics (GRO)	**460**	20	ug/L	500		91.9	75-125			
Surrogate: a,a,a-Trifluorotoluene	*57.3*		*ug/L*	*50.0*		*115*	*70-130*			
LCS Dup (B1J1913-BSD1)				Prepared & Analyzed: 10/19/21						
Gasoline Range Organics (GRO)	**457**	20	ug/L	500		91.4	75-125	0.603	30	
Surrogate: a,a,a-Trifluorotoluene	*59.4*		*ug/L*	*50.0*		*119*	*70-130*			
Duplicate (B1J1913-DUP1)			**Source: 1J19005-01**	Prepared & Analyzed: 10/19/21						
Gasoline Range Organics (GRO)	**<20**	20	ug/L						30	
Surrogate: a,a,a-Trifluorotoluene	*53.8*		*ug/L*	*50.0*		*108*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B1J1913 - *** DEFAULT PREP ****										
Blank (B1J1913-BLK1)				Prepared & Analyzed: 10/19/21						
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B1J1913-DUP1)			**Source: 1J19005-01**	Prepared & Analyzed: 10/19/21						

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334288
Date Received: 10/19/21
Date Reported: 10/27/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor as Hexane - Quality Control										
*Batch B1J1913 - *** DEFAULT PREP ****										
Duplicate (B1J1913-DUP1) Continued	**Source: 1J19005-01**		Prepared & Analyzed: 10/19/21							
Total VOCs as Hexane	**<4.9**	4.9	ppmv						30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334288
Project No:	04-NDLA-013	**Date Received:**	10/19/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/27/21

Special Notes

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

23519

9765 ETON AVE., CHATSWORTH, CA 91311
Tel: 818-998-5547 FAX: 818-998-7258

Client: The Source Group, Inc.	**Project Name / No.:** DFSP - Norwalk / 091-NOR-001 Task 2-10	**Sampler's Name:** Glenn Andcorko	
Project Manager: Neil Irish	**Site Address:** 15306 Norwalk Blvd	**Sampler's Signature:** Glenn Andcorko	
Phone: 562-597-1055	**City:** Norwalk	**P.O. No.:**	
Fax: 569-597-1070	**State & Zip:** CA 90650	**Quote No.:**	

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	Total VOCs Gas 8015	Total VOCs Hexane 8015	BTEX/MTBE 8260B	Special Instructions
						Please enter the TAT Turnaround Codes ** below			
VES Carbon-Influent	IJ79006-01	10-18-21	1351	Air	1	✓	✓	✓	VOC's reported as GRO (detection limit = 4.9 ppmv) and VOCs as Hexane (detection limit = 4.9 ppmv) Benzene (detection limit = 0.15 ppmv)
VES Carbon-Effluent	-02	"	1347	Air	1	✓	✓	✓	

PRIORITY ✓ SH
Rush Hrs
Date 10/19/21 Time 1530 Sign

AS334288/IJ79006

Relinquished by	Date	Time	Received by
Glenn Andcorko	10-19-21	9:45	
Relinquished by	Date	Time	Received by
	10.19.21	1579	TB
Relinquished by	Date	Time	Received by

Note: By relinquishing samples to American Analytics, client agrees to pay for the services requested on this chain of custody form and any additional client-requested analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 45 days following the submittal of the sample(s) to American Analytics.

AMERICAN ANALYTICS

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

November 22, 2021

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

Re : DFSP Norwalk VES AQMD / 04-NDLA-013

A5334325 / 1K09013

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 11/10/21 18:37 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334325
Date Received: 11/10/21
Date Reported: 11/22/21

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
VES After GAC-1	1K09013-01	Vapor	5	11/10/21 12:31	11/10/21 18:37
VES After GAC-2	1K09013-02	Vapor	5	11/10/21 12:30	11/10/21 18:37
VOCs Gasoline Range Organics Vapor					
VES After GAC-1	1K09013-01	Vapor	5	11/10/21 12:31	11/10/21 18:37
VES After GAC-2	1K09013-02	Vapor	5	11/10/21 12:30	11/10/21 18:37
VOCs in Vapor as Hexane					
VES After GAC-1	1K09013-01	Vapor	5	11/10/21 12:31	11/10/21 18:37
VES After GAC-2	1K09013-02	Vapor	5	11/10/21 12:30	11/10/21 18:37

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334325
Project No:	04-NDLA-013	**Date Received:**	11/10/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/22/21
Matrix:	Vapor	**Sampled:**	11/10/21
Dilution:	0.5	**Prepared:**	11/11/21
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	11/12/21

VES After GAC-1

1K09013-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.25	ug/L	0.50	<0.078	ppmv	0.16
Ethylbenzene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<1.0	ug/L	2.0	<0.28	ppmv	0.55
Toluene	<0.25	ug/L	0.50	<0.066	ppmv	0.13
o-Xylene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
m,p-Xylenes	<0.50	ug/L	1.0	<0.12	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	99.7 %	70-140
Dibromofluoromethane	96.7 %	70-140
Toluene-d8	97.4 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334325
Project No:	04-NDLA-013	**Date Received:**	11/10/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/22/21
Matrix:	Vapor	**Sampled:**	11/10/21
Dilution:	0.5	**Prepared:**	11/11/21
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	11/12/21

VES After GAC-2

1K09013-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**0.90**	ug/L	0.50	**0.28**	ppmv	0.16
Ethylbenzene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<1.0	ug/L	2.0	<0.28	ppmv	0.55
Toluene	<0.25	ug/L	0.50	<0.066	ppmv	0.13
o-Xylene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
m,p-Xylenes	<0.50	ug/L	1.0	<0.12	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	99.9 %	70-140
Dibromofluoromethane	99.4 %	70-140
Toluene-d8	95.2 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334325
Project No:	04-NDLA-013	**Date Received:**	11/10/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/22/21
Matrix:	Vapor	**Sampled:**	11/10/21
Dilution:	1	**Prepared:**	11/11/21
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	11/11/21

VES After GAC-1

1K09013-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	<20	ug/L	20	<4.9	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	105 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334325
Project No:	04-NDLA-013	**Date Received:**	11/10/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/22/21
Matrix:	Vapor	**Sampled:**	11/10/21
Dilution:	1	**Prepared:**	11/11/21
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	11/11/21

VES After GAC-2

1K09013-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	<20	ug/L	20	<4.9	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	108 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334325
Project No:	04-NDLA-013	**Date Received:**	11/10/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/22/21
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	11/10/21	11/10/21	
Date Prepared:	11/11/21	11/11/21	
Date Analyzed:	11/11/21	11/11/21	
AA ID No:	1K09013-01	1K09013-02	
Client ID No:	VES After GAC-1	VES After GAC-2	
Matrix:	Vapor	Vapor	
Dilution Factor:	1	1	MRL
VOCs in Vapor as Hexane (EPA 8015M)			
Total VOCs as Hexane	<4.9	<4.9	4.9

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334325
Date Received: 11/10/21
Date Reported: 11/22/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B1K1139 - *** DEFAULT PREP ****										
Blank (B1K1139-BLK1)				Prepared: 11/11/21 Analyzed: 11/12/21						
Benzene	<0.50	0.50	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Toluene	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*52.8*		*ug/L*	*50.0*		*106*	*70-140*			
Surrogate: Dibromofluoromethane	*54.7*		*ug/L*	*50.0*		*109*	*70-140*			
Surrogate: Toluene-d8	*46.6*		*ug/L*	*50.0*		*93.1*	*70-140*			
LCS (B1K1139-BS1)				Prepared: 11/11/21 Analyzed: 11/12/21						
Benzene	**18.7**	0.50	ug/L	20.0		93.7	75-125			
Ethylbenzene	**18.6**	0.50	ug/L	20.0		93.2	75-125			
Methyl-tert-Butyl Ether (MTBE)	**46.7**	2.0	ug/L	40.0		117	75-125			
Toluene	**19.0**	0.50	ug/L	20.0		94.8	75-125			
o-Xylene	**19.2**	0.50	ug/L	20.0		96.0	75-125			
m,p-Xylenes	**36.6**	1.0	ug/L	40.0		91.5	75-125			
Surrogate: 4-Bromofluorobenzene	*49.9*		*ug/L*	*50.0*		*99.7*	*70-140*			
Surrogate: Dibromofluoromethane	*50.3*		*ug/L*	*50.0*		*101*	*70-140*			
Surrogate: Toluene-d8	*47.0*		*ug/L*	*50.0*		*93.9*	*70-140*			
LCS Dup (B1K1139-BSD1)				Prepared: 11/11/21 Analyzed: 11/13/21						
Benzene	**18.6**	0.50	ug/L	20.0		93.1	75-125	0.642	30	
Ethylbenzene	**19.0**	0.50	ug/L	20.0		95.2	75-125	2.18	30	
Methyl-tert-Butyl Ether (MTBE)	**49.2**	2.0	ug/L	40.0		123	75-125	5.13	30	
Toluene	**18.6**	0.50	ug/L	20.0		92.8	75-125	2.08	30	
o-Xylene	**19.4**	0.50	ug/L	20.0		97.2	75-125	1.29	30	
m,p-Xylenes	**38.4**	1.0	ug/L	40.0		96.0	75-125	4.78	30	
Surrogate: 4-Bromofluorobenzene	*50.5*		*ug/L*	*50.0*		*101*	*70-140*			
Surrogate: Dibromofluoromethane	*54.1*		*ug/L*	*50.0*		*108*	*70-140*			
Surrogate: Toluene-d8	*46.5*		*ug/L*	*50.0*		*93.0*	*70-140*			
Duplicate (B1K1139-DUP1)				**Source: 1K10013-18** Prepared: 11/11/21 Analyzed: 11/12/21						

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334325
Date Received: 11/10/21
Date Reported: 11/22/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B1K1139 - *** DEFAULT PREP ****										
Duplicate (B1K1139-DUP1) Continued			**Source: 1K10013-18**	Prepared: 11/11/21			Analyzed: 11/12/21			
Benzene	**<0.25**	0.25	ug/L						30	
Ethylbenzene	**<0.25**	0.25	ug/L						30	
Methyl-tert-Butyl Ether (MTBE)	**<1.0**	1.0	ug/L						30	
Toluene	**<0.25**	0.25	ug/L						30	
o-Xylene	**<0.25**	0.25	ug/L						30	
m,p-Xylenes	**<0.50**	0.50	ug/L						30	
Surrogate: 4-Bromofluorobenzene	*50.0*		*ug/L*	*50.0*		*99.9*	*70-140*			
Surrogate: Dibromofluoromethane	*54.0*		*ug/L*	*50.0*		*108*	*70-140*			
Surrogate: Toluene-d8	*46.9*		*ug/L*	*50.0*		*93.9*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B1K1119 - *** DEFAULT PREP ****										
Blank (B1K1119-BLK1)				Prepared & Analyzed: 11/11/21						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*51.8*		*ug/L*	*50.0*		*104*	*70-130*			
LCS (B1K1119-BS1)				Prepared & Analyzed: 11/11/21						
Gasoline Range Organics (GRO)	**518**	20	ug/L	500		104	75-125			
Surrogate: a,a,a-Trifluorotoluene	*59.9*		*ug/L*	*50.0*		*120*	*70-130*			
LCS Dup (B1K1119-BSD1)				Prepared & Analyzed: 11/11/21						
Gasoline Range Organics (GRO)	**507**	20	ug/L	500		101	75-125	2.31	30	
Surrogate: a,a,a-Trifluorotoluene	*60.0*		*ug/L*	*50.0*		*120*	*70-130*			
Duplicate (B1K1119-DUP1)			**Source: 1K09014-01**	Prepared & Analyzed: 11/11/21						
Gasoline Range Organics (GRO)	**2470**	20	ug/L		2480			0.326	30	
Surrogate: a,a,a-Trifluorotoluene	*59.4*		*ug/L*	*50.0*		*119*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B1K1119 - *** DEFAULT PREP ****										
Blank (B1K1119-BLK1)				Prepared & Analyzed: 11/11/21						
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B1K1119-DUP1)			**Source: 1K09014-01**	Prepared & Analyzed: 11/11/21						

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334325
Date Received: 11/10/21
Date Reported: 11/22/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor as Hexane - Quality Control										
*Batch B1K1119 - *** DEFAULT PREP ****										
Duplicate (B1K1119-DUP1) Continued	**Source: 1K09014-01**		Prepared & Analyzed: 11/11/21							
Total VOCs as Hexane	**448**	4.9	ppmv		448			0.0156	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334325
Project No:	04-NDLA-013	**Date Received:**	11/10/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/22/21

Special Notes

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

23671

9765 ETON AVE., CHATSWORTH, CA 91311
Tel: 818-998-5547 FAX: 818-998-7258

Client: The Source Group, Inc.	**Project Name / No.:** DFSP - Norwalk / 091-NOR-001 Task 2	**Sampler's Name:**	Glenn Andrasko
Project Manager: Neil Irish	**Site Address:** 15306 Norwalk Blvd	**Sampler's Signature:**	Glenn Andrasko
Phone: 562-597-1055	**City:** Norwalk	**P.O. No.:**	
Fax: 569-597-1070	**State & Zip:** CA 90650	**Quote No.:**	

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

Please enter the TAT Turnaround Codes ** below

Client I.D.	AA I.D.	Date	Time	Sample Matrix	No. of Cont	Total VOCs Gas 8015	Total VOCs Hexane 8015	BTEX/MTBE 8260B	Special Instructions
VES After GAC-1	1K09013-01	11-10-21	1231	Air	1	✓	✓	✓	VOC's reported as GRO (detection limit = 4.9 ppmv) and VOCs as Hexane (detection limit = 4.9 ppmv) Benzene (detection limit = 0.15 ppmv)
VES After GAC-2	-02	"	1230	Air	1	✓	✓	✓	

RECEIVED Date 11/11/21 Time 0600 Sign TAT 10 Days

AS324325/1K09013

	Relinquished by	Date	Time	Received by
1	Glenn Andrasko	11-10-21	3:00	
2		11-10-21	1833	
3				

Note: By relinquishing samples to American Analytics, client agrees to pay for the services requested on this chain of custody form and any additional client-requested analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 45 days following the submittal of the sample(s) to American Analytics.

AMERICAN ANALYTICS

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

November 22, 2021

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

Re : DFSP Norwalk VES AQMD / 04-NDLA-013

A5334328 / 1K09016

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 11/10/21 13:50 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334328
Date Received: 11/10/21
Date Reported: 11/22/21

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
VES Carbon-Influent	1K09016-01	Vapor	5	11/10/21 12:33	11/10/21 13:50
VES Carbon-Effluent	1K09016-02	Vapor	5	11/10/21 12:29	11/10/21 13:50
VOCs Gasoline Range Organics Vapor					
VES Carbon-Influent	1K09016-01	Vapor	5	11/10/21 12:33	11/10/21 13:50
VES Carbon-Effluent	1K09016-02	Vapor	5	11/10/21 12:29	11/10/21 13:50
VOCs in Vapor as Hexane					
VES Carbon-Influent	1K09016-01	Vapor	5	11/10/21 12:33	11/10/21 13:50
VES Carbon-Effluent	1K09016-02	Vapor	5	11/10/21 12:29	11/10/21 13:50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334328
Project No:	04-NDLA-013	**Date Received:**	11/10/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/22/21
Matrix:	Vapor	**Sampled:**	11/10/21
Dilution:	0.5	**Prepared:**	11/11/21
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	11/12/21

VES Carbon-Influent

1K09016-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.25	ug/L	0.50	<0.078	ppmv	0.16
Ethylbenzene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<1.0	ug/L	2.0	<0.28	ppmv	0.55
Toluene	<0.25	ug/L	0.50	<0.066	ppmv	0.13
o-Xylene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
m,p-Xylenes	<0.50	ug/L	1.0	<0.12	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	97.9 %	70-140
Dibromofluoromethane	119 %	70-140
Toluene-d8	100 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334328
Project No:	04-NDLA-013	**Date Received:**	11/10/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/22/21
Matrix:	Vapor	**Sampled:**	11/10/21
Dilution:	0.5	**Prepared:**	11/11/21
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	11/12/21

VES Carbon-Effluent

1K09016-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.25	ug/L	0.50	<0.078	ppmv	0.16
Ethylbenzene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<1.0	ug/L	2.0	<0.28	ppmv	0.55
Toluene	<0.25	ug/L	0.50	<0.066	ppmv	0.13
o-Xylene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
m,p-Xylenes	<0.50	ug/L	1.0	<0.12	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	101 %	70-140
Dibromofluoromethane	108 %	70-140
Toluene-d8	104 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334328
Project No:	04-NDLA-013	**Date Received:**	11/10/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/22/21
Matrix:	Vapor	**Sampled:**	11/10/21
Dilution:	1	**Prepared:**	11/11/21
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	11/11/21

VES Carbon-Influent

1K09016-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**120**	ug/L	20	**29**	ppmv	4.9

Surrogates	**%REC**	**%REC Limits**
a,a,a-Trifluorotoluene	105 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334328
Project No:	04-NDLA-013	**Date Received:**	11/10/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/22/21
Matrix:	Vapor	**Sampled:**	11/10/21
Dilution:	1	**Prepared:**	11/11/21
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	11/11/21

VES Carbon-Effluent

1K09016-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	<20	ug/L	20	<4.9	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	96.1 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334328
Project No:	04-NDLA-013	**Date Received:**	11/10/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/22/21
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	11/10/21	11/10/21	
Date Prepared:	11/11/21	11/11/21	
Date Analyzed:	11/11/21	11/11/21	
AA ID No:	1K09016-01	1K09016-02	
Client ID No:	VES Carbon-Influent	VES Carbon-Effluent	
Matrix:	Vapor	Vapor	
Dilution Factor:	1	1	MRL
VOCs in Vapor as Hexane (EPA 8015M)			
Total VOCs as Hexane	**21**	<4.9	4.9

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334328
Date Received: 11/10/21
Date Reported: 11/22/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B1K1140 - *** DEFAULT PREP ****										
Blank (B1K1140-BLK1)				Prepared: 11/11/21 Analyzed: 11/12/21						
Benzene	<0.50	0.50	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Toluene	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*48.3*		*ug/L*	*50.0*		*96.6*	*70-140*			
Surrogate: Dibromofluoromethane	*60.0*		*ug/L*	*50.0*		*120*	*70-140*			
Surrogate: Toluene-d8	*47.0*		*ug/L*	*50.0*		*93.9*	*70-140*			
LCS (B1K1140-BS1)				Prepared: 11/11/21 Analyzed: 11/12/21						
Benzene	**19.6**	0.50	ug/L	20.0		98.2	75-125			
Ethylbenzene	**20.0**	0.50	ug/L	20.0		100	75-125			
Methyl-tert-Butyl Ether (MTBE)	**48.7**	2.0	ug/L	40.0		122	75-125			
Toluene	**18.4**	0.50	ug/L	20.0		92.2	75-125			
o-Xylene	**19.4**	0.50	ug/L	20.0		97.2	75-125			
m,p-Xylenes	**38.4**	1.0	ug/L	40.0		95.9	75-125			
Surrogate: 4-Bromofluorobenzene	*46.8*		*ug/L*	*50.0*		*93.7*	*70-140*			
Surrogate: Dibromofluoromethane	*54.7*		*ug/L*	*50.0*		*109*	*70-140*			
Surrogate: Toluene-d8	*48.1*		*ug/L*	*50.0*		*96.2*	*70-140*			
LCS Dup (B1K1140-BSD1)				Prepared: 11/11/21 Analyzed: 11/12/21						
Benzene	**17.8**	0.50	ug/L	20.0		88.8	75-125	10.1	30	
Ethylbenzene	**19.6**	0.50	ug/L	20.0		97.8	75-125	2.37	30	
Methyl-tert-Butyl Ether (MTBE)	**43.5**	2.0	ug/L	40.0		109	75-125	11.2	30	
Toluene	**17.7**	0.50	ug/L	20.0		88.6	75-125	4.04	30	
o-Xylene	**18.5**	0.50	ug/L	20.0		92.6	75-125	4.79	30	
m,p-Xylenes	**37.0**	1.0	ug/L	40.0		92.5	75-125	3.58	30	
Surrogate: 4-Bromofluorobenzene	*47.4*		*ug/L*	*50.0*		*94.8*	*70-140*			
Surrogate: Dibromofluoromethane	*53.6*		*ug/L*	*50.0*		*107*	*70-140*			
Surrogate: Toluene-d8	*51.4*		*ug/L*	*50.0*		*103*	*70-140*			
Duplicate (B1K1140-DUP1)				**Source: 1K09016-01** Prepared: 11/11/21 Analyzed: 11/12/21						

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334328
Date Received: 11/10/21
Date Reported: 11/22/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B1K1140 - *** DEFAULT PREP ****										
Duplicate (B1K1140-DUP1) Continued			**Source: 1K09016-01**	Prepared: 11/11/21			Analyzed: 11/12/21			
Benzene	**<0.25**	0.25	ug/L		<0.25				30	
Ethylbenzene	**<0.25**	0.25	ug/L		<0.25				30	
Methyl-tert-Butyl Ether (MTBE)	**<1.0**	1.0	ug/L		<1.0				30	
Toluene	**<0.25**	0.25	ug/L		<0.25				30	
o-Xylene	**<0.25**	0.25	ug/L		<0.25				30	
m,p-Xylenes	**<0.50**	0.50	ug/L		<0.50				30	
Surrogate: 4-Bromofluorobenzene	*48.8*		*ug/L*	*50.0*		*97.7*	*70-140*			
Surrogate: Dibromofluoromethane	*55.5*		*ug/L*	*50.0*		*111*	*70-140*			
Surrogate: Toluene-d8	*50.5*		*ug/L*	*50.0*		*101*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B1K1119 - *** DEFAULT PREP ****										
Blank (B1K1119-BLK1)				Prepared & Analyzed: 11/11/21						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*51.8*		*ug/L*	*50.0*		*104*	*70-130*			
LCS (B1K1119-BS1)				Prepared & Analyzed: 11/11/21						
Gasoline Range Organics (GRO)	**518**	20	ug/L	500		104	75-125			
Surrogate: a,a,a-Trifluorotoluene	*59.9*		*ug/L*	*50.0*		*120*	*70-130*			
LCS Dup (B1K1119-BSD1)				Prepared & Analyzed: 11/11/21						
Gasoline Range Organics (GRO)	**507**	20	ug/L	500		101	75-125	2.31	30	
Surrogate: a,a,a-Trifluorotoluene	*60.0*		*ug/L*	*50.0*		*120*	*70-130*			
Duplicate (B1K1119-DUP1)			**Source: 1K09014-01**	Prepared & Analyzed: 11/11/21						
Gasoline Range Organics (GRO)	**2470**	20	ug/L		2480			0.326	30	
Surrogate: a,a,a-Trifluorotoluene	*59.4*		*ug/L*	*50.0*		*119*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B1K1119 - *** DEFAULT PREP ****										
Blank (B1K1119-BLK1)				Prepared & Analyzed: 11/11/21						
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B1K1119-DUP1)			**Source: 1K09014-01**	Prepared & Analyzed: 11/11/21						

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334328
Date Received: 11/10/21
Date Reported: 11/22/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor as Hexane - Quality Control										
*Batch B1K1119 - *** DEFAULT PREP ****										
Duplicate (B1K1119-DUP1) Continued	**Source: 1K09014-01**		Prepared & Analyzed: 11/11/21							
Total VOCs as Hexane	**448**	4.9	ppmv		448			0.0156	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334328
Project No:	04-NDLA-013	**Date Received:**	11/10/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/22/21

Special Notes

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

23674

9765 ETON AVE., CHATSWORTH, CA 91311
Tel: 818-998-5547 FAX: 818-998-7258

Client: The Source Group, Inc.	**Project Name / No.:** DFSP - Norwalk / 091-NOR-001 Task 2-10	**Sampler's Name:**	Glenn Androsko
Project Manager: Neil Irish	**Site Address:** 15306 Norwalk Blvd	**Sampler's Signature:**	Glenn Androsko
Phone: 562-597-1055	**City:** Norwalk	**P.O. No.:**	
Fax: 569-597-1070	**State & Zip:** CA 90650	**Quote No.:**	

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

Client I.D.	Lab I.D.	Date	Time	Sample Matrix	No. of Cont	Total VOCs Gas 8015	Total VOCs Hexane 8015	BTEX/MTBE 8260B								Special Instructions
						Please enter the TAT Turnaround Codes ** below										
VES Carbon-Influent	1K09016-01	11-10-21	1233	Air	1	✓	✓	✓								VOC's reported as
VES Carbon-Effluent	-02	"	1229	Air	1	✓	✓	✓								GRO (detection limit = 4.9 ppmv) and VOCs as Hexane (detection limit = 4.9 ppmv) Benzene (detection limit = 0.15 ppmv)

PRIORITY
Rush
Date 11/12/21 Time 0600

AS334328/1K09016

Relinquished by: Glenn Androsko	Date: 11-10-21	Time: 3:00	Received by:
Relinquished by:	Date: 11-10-21	Time: 1837	Received by:
Relinquished by:	Date:	Time:	Received by:

Note: By relinquishing samples to American Analytics, client agrees to pay for the services requested on this chain of custody form and any additional client-requested analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 45 days following the submittal of the sample(s) to American Analytics.

AMERICAN ANALYTICS

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

November 23, 2021

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

Re : DFSP Norwalk VES AQMD / 04-NDLA-013

A5334352 / 1K22008

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 11/22/21 10:29 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334352
Date Received: 11/22/21
Date Reported: 11/23/21

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
VES After GAC-2	1K22008-02	Vapor	1	11/22/21 07:06	11/22/21 10:29
VOCs Gasoline Range Organics Vapor					
VES After GAC-2	1K22008-02	Vapor	1	11/22/21 07:06	11/22/21 10:29
VOCs in Vapor as Hexane					
VES After GAC-2	1K22008-02	Vapor	1	11/22/21 07:06	11/22/21 10:29

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334352
Project No:	04-NDLA-013	**Date Received:**	11/22/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/21
Matrix:	Vapor	**Sampled:**	11/22/21
Dilution:	0.5	**Prepared:**	11/22/21
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	11/22/21

VES After GAC-2

1K22008-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.25	ug/L	0.50	<0.078	ppmv	0.16
Ethylbenzene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<1.0	ug/L	2.0	<0.28	ppmv	0.55
Toluene	<0.25	ug/L	0.50	<0.066	ppmv	0.13
o-Xylene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
m,p-Xylenes	<0.50	ug/L	1.0	<0.12	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	110 %	70-140
Dibromofluoromethane	118 %	70-140
Toluene-d8	101 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334352
Project No:	04-NDLA-013	**Date Received:**	11/22/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/21
Matrix:	Vapor	**Sampled:**	11/22/21
Dilution:	1	**Prepared:**	11/22/21
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	11/22/21

VES After GAC-2

1K22008-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	<20	ug/L	20	<4.9	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	112 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334352
Project No:	04-NDLA-013	**Date Received:**	11/22/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/21
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	11/22/21	
Date Prepared:	11/22/21	
Date Analyzed:	11/22/21	
AA ID No:	1K22008-02	
Client ID No:	VES After GAC-2	
Matrix:	Vapor	
Dilution Factor:	1	MRL

VOCs in Vapor as Hexane (EPA 8015M)

Total VOCs as Hexane	<4.9	4.9

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334352
Date Received: 11/22/21
Date Reported: 11/23/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B1K2227 - *** DEFAULT PREP ****										
Blank (B1K2227-BLK1)				Prepared & Analyzed: 11/22/21						
Benzene	<0.50	0.50	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Toluene	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*53.0*		*ug/L*	*50.0*		*106*	*70-140*			
Surrogate: Dibromofluoromethane	*66.0*		*ug/L*	*50.0*		*132*	*70-140*			
Surrogate: Toluene-d8	*47.5*		*ug/L*	*50.0*		*95.1*	*70-140*			
LCS (B1K2227-BS1)				Prepared & Analyzed: 11/22/21						
Benzene	**14.9**	0.50	ug/L	20.0		74.3	75-125			
Ethylbenzene	**18.1**	0.50	ug/L	20.0		90.7	75-125			
Methyl-tert-Butyl Ether (MTBE)	**33.6**	2.0	ug/L	40.0		83.9	75-125			
Toluene	**17.0**	0.50	ug/L	20.0		84.8	75-125			
o-Xylene	**18.0**	0.50	ug/L	20.0		90.2	75-125			
m,p-Xylenes	**35.5**	1.0	ug/L	40.0		88.7	75-125			
Surrogate: 4-Bromofluorobenzene	*50.3*		*ug/L*	*50.0*		*101*	*70-140*			
Surrogate: Dibromofluoromethane	*45.8*		*ug/L*	*50.0*		*91.7*	*70-140*			
Surrogate: Toluene-d8	*45.4*		*ug/L*	*50.0*		*90.9*	*70-140*			
LCS Dup (B1K2227-BSD1)				Prepared & Analyzed: 11/22/21						
Benzene	**14.3**	0.50	ug/L	20.0		71.6	75-125	3.63	30	
Ethylbenzene	**18.5**	0.50	ug/L	20.0		92.3	75-125	1.75	30	
Methyl-tert-Butyl Ether (MTBE)	**33.4**	2.0	ug/L	40.0		83.5	75-125	0.478	30	
Toluene	**17.1**	0.50	ug/L	20.0		85.6	75-125	0.938	30	
o-Xylene	**18.1**	0.50	ug/L	20.0		90.3	75-125	0.166	30	
m,p-Xylenes	**35.2**	1.0	ug/L	40.0		88.0	75-125	0.821	30	
Surrogate: 4-Bromofluorobenzene	*50.4*		*ug/L*	*50.0*		*101*	*70-140*			
Surrogate: Dibromofluoromethane	*45.4*		*ug/L*	*50.0*		*90.7*	*70-140*			
Surrogate: Toluene-d8	*46.0*		*ug/L*	*50.0*		*91.9*	*70-140*			
Duplicate (B1K2227-DUP1)				**Source: 1K22012-01** Prepared & Analyzed: 11/22/21						

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334352
Date Received: 11/22/21
Date Reported: 11/23/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B1K2227 - *** DEFAULT PREP ****										
Duplicate (B1K2227-DUP1) Continued			**Source: 1K22012-01**	Prepared & Analyzed: 11/22/21						
Benzene	**<0.25**	0.25	ug/L						30	
Ethylbenzene	**<0.25**	0.25	ug/L						30	
Methyl-tert-Butyl Ether (MTBE)	**<1.0**	1.0	ug/L						30	
Toluene	**<0.25**	0.25	ug/L						30	
o-Xylene	**<0.25**	0.25	ug/L						30	
m,p-Xylenes	**<0.50**	0.50	ug/L						30	
Surrogate: 4-Bromofluorobenzene	*53.9*		*ug/L*	*50.0*		*108*	*70-140*			
Surrogate: Dibromofluoromethane	*58.1*		*ug/L*	*50.0*		*116*	*70-140*			
Surrogate: Toluene-d8	*49.9*		*ug/L*	*50.0*		*99.8*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B1K2221 - *** DEFAULT PREP ****										
Blank (B1K2221-BLK1)				Prepared & Analyzed: 11/22/21						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*42.7*		*ug/L*	*50.0*		*85.3*	*70-130*			
LCS (B1K2221-BS1)				Prepared & Analyzed: 11/22/21						
Gasoline Range Organics (GRO)	**493**	20	ug/L	500		98.6	75-125			
Surrogate: a,a,a-Trifluorotoluene	*57.0*		*ug/L*	*50.0*		*114*	*70-130*			
LCS Dup (B1K2221-BSD1)				Prepared & Analyzed: 11/22/21						
Gasoline Range Organics (GRO)	**437**	20	ug/L	500		87.4	75-125	12.0	30	
Surrogate: a,a,a-Trifluorotoluene	*47.1*		*ug/L*	*50.0*		*94.2*	*70-130*			
Duplicate (B1K2221-DUP1)			**Source: 1K22008-02**	Prepared & Analyzed: 11/22/21						
Gasoline Range Organics (GRO)	**<20**	20	ug/L		<20				30	
Surrogate: a,a,a-Trifluorotoluene	*55.8*		*ug/L*	*50.0*		*112*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B1K2221 - *** DEFAULT PREP ****										
Blank (B1K2221-BLK1)				Prepared & Analyzed: 11/22/21						
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B1K2221-DUP1)			**Source: 1K22008-02**	Prepared & Analyzed: 11/22/21						

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334352
Date Received: 11/22/21
Date Reported: 11/23/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor as Hexane - Quality Control										
*Batch B1K2221 - *** DEFAULT PREP ****										
Duplicate (B1K2221-DUP1) Continued	**Source: 1K22008-02**				Prepared & Analyzed: 11/22/21					
Total VOCs as Hexane	**<4.9**	4.9	ppmv		<4.9				30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334352
Project No:	04-NDLA-013	**Date Received:**	11/22/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/21

Special Notes

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

23771

9765 ETON AVE., CHATSWORTH, CA 91311
Tel: 818-998-5547 FAX: 818-998-7258

Client: The Source Group, Inc.	**Project Name / No.:** DFSP - Norwalk / 04-SDLA	**Sampler's Name:** Glenn Androsko	
Project Manager: Neil Irish	**Site Address:** 15306 Norwalk Blvd	**Sampler's Signature:** Glenn Androsko	
Phone: 562-597-1055	**City:** Norwalk	**P.O. No.:**	
Fax: 569-597-1070	**State & Zip:** CA 90650	**Quote No.:**	

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

Please enter the TAT Turnaround Codes ** below

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	Total VOCs Gas 8015	Total VOCs Hexane 8015	BTEX/MTBE 8260B	HOLD							Special Instructions
VES After GAC-1	1K22008 -01	11-22-21	0707	Air	1				✓							*VOCs reported as
VES After GAC-2	-02	"	0706	Air	1	✓	✓	✓		24hr	T	AT				GRO (detection limit = 4.9 ppmv) and *VOCs as Hexane (detection limit = 4.9 ppmv) *Benzene (detection limit = 0.10 ppmv)

PRIORITY ✓ SH
Rush 24 hrs
Need 11/22/21 Time 1600 Location

A533435 2/1K22008

Relinquished by	Date	Time	Received by
Glenn Androsko	11-22-21	10:00	
Relinquished by	Date	Time	Received by
	11-22-21	1512	
Relinquished by	Date	Time	Received by

Note: By relinquishing samples to American Analytics, client agrees to pay for the services requested on this chain of custody form and any additional client-requested analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 45 days following the submittal of the sample(s) to American Analytics.

AMERICAN ANALYTICS

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

November 23, 2021

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

Re : DFSP Norwalk VES AQMD / 04-NDLA-013

A5334353 / 1K22009

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 11/22/21 10:40 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334353
Date Received: 11/22/21
Date Reported: 11/23/21

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
VES Carbon-Effluent	1K22009-02	Vapor	1	11/22/21 07:03	11/22/21 10:40
VOCs Gasoline Range Organics Vapor					
VES Carbon-Effluent	1K22009-02	Vapor	1	11/22/21 07:03	11/22/21 10:40
VOCs in Vapor as Hexane					
VES Carbon-Effluent	1K22009-02	Vapor	1	11/22/21 07:03	11/22/21 10:40

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334353
Project No:	04-NDLA-013	**Date Received:**	11/22/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/21
Matrix:	Vapor	**Sampled:**	11/22/21
Dilution:	0.5	**Prepared:**	11/22/21
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	11/22/21

VES Carbon-Effluent

1K22009-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.25	ug/L	0.50	<0.078	ppmv	0.16
Ethylbenzene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<1.0	ug/L	2.0	<0.28	ppmv	0.55
Toluene	<0.25	ug/L	0.50	<0.066	ppmv	0.13
o-Xylene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
m,p-Xylenes	<0.50	ug/L	1.0	<0.12	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	110 %	70-140
Dibromofluoromethane	115 %	70-140
Toluene-d8	103 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334353
Project No:	04-NDLA-013	**Date Received:**	11/22/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/21
Matrix:	Vapor	**Sampled:**	11/22/21
Dilution:	1	**Prepared:**	11/22/21
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	11/22/21

VES Carbon-Effluent

1K22009-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	<20	ug/L	20	<4.9	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	99.8 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334353
Project No:	04-NDLA-013	**Date Received:**	11/22/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/21
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	11/22/21	
Date Prepared:	11/22/21	
Date Analyzed:	11/22/21	
AA ID No:	1K22009-02	
Client ID No:	VES Carbon-Effluent	
Matrix:	Vapor	
Dilution Factor:	1	MRL

VOCs in Vapor as Hexane (EPA 8015M)

Total VOCs as Hexane	<4.9	4.9

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334353
Date Received: 11/22/21
Date Reported: 11/23/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B1K2227 - *** DEFAULT PREP ****										
Blank (B1K2227-BLK1)				Prepared & Analyzed: 11/22/21						
Benzene	<0.50	0.50	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Toluene	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*53.0*		*ug/L*	*50.0*		*106*	*70-140*			
Surrogate: Dibromofluoromethane	*66.0*		*ug/L*	*50.0*		*132*	*70-140*			
Surrogate: Toluene-d8	*47.5*		*ug/L*	*50.0*		*95.1*	*70-140*			
LCS (B1K2227-BS1)				Prepared & Analyzed: 11/22/21						
Benzene	**14.9**	0.50	ug/L	20.0		74.3	75-125			
Ethylbenzene	**18.1**	0.50	ug/L	20.0		90.7	75-125			
Methyl-tert-Butyl Ether (MTBE)	**33.6**	2.0	ug/L	40.0		83.9	75-125			
Toluene	**17.0**	0.50	ug/L	20.0		84.8	75-125			
o-Xylene	**18.0**	0.50	ug/L	20.0		90.2	75-125			
m,p-Xylenes	**35.5**	1.0	ug/L	40.0		88.7	75-125			
Surrogate: 4-Bromofluorobenzene	*50.3*		*ug/L*	*50.0*		*101*	*70-140*			
Surrogate: Dibromofluoromethane	*45.8*		*ug/L*	*50.0*		*91.7*	*70-140*			
Surrogate: Toluene-d8	*45.4*		*ug/L*	*50.0*		*90.9*	*70-140*			
LCS Dup (B1K2227-BSD1)				Prepared & Analyzed: 11/22/21						
Benzene	**14.3**	0.50	ug/L	20.0		71.6	75-125	3.63	30	
Ethylbenzene	**18.5**	0.50	ug/L	20.0		92.3	75-125	1.75	30	
Methyl-tert-Butyl Ether (MTBE)	**33.4**	2.0	ug/L	40.0		83.5	75-125	0.478	30	
Toluene	**17.1**	0.50	ug/L	20.0		85.6	75-125	0.938	30	
o-Xylene	**18.1**	0.50	ug/L	20.0		90.3	75-125	0.166	30	
m,p-Xylenes	**35.2**	1.0	ug/L	40.0		88.0	75-125	0.821	30	
Surrogate: 4-Bromofluorobenzene	*50.4*		*ug/L*	*50.0*		*101*	*70-140*			
Surrogate: Dibromofluoromethane	*45.4*		*ug/L*	*50.0*		*90.7*	*70-140*			
Surrogate: Toluene-d8	*46.0*		*ug/L*	*50.0*		*91.9*	*70-140*			
Duplicate (B1K2227-DUP1)				**Source: 1K22012-01** Prepared & Analyzed: 11/22/21						

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334353
Date Received: 11/22/21
Date Reported: 11/23/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B1K2227 - *** DEFAULT PREP ****										
Duplicate (B1K2227-DUP1) Continued			**Source: 1K22012-01**	Prepared & Analyzed: 11/22/21						
Benzene	**<0.25**	0.25	ug/L						30	
Ethylbenzene	**<0.25**	0.25	ug/L						30	
Methyl-tert-Butyl Ether (MTBE)	**<1.0**	1.0	ug/L						30	
Toluene	**<0.25**	0.25	ug/L						30	
o-Xylene	**<0.25**	0.25	ug/L						30	
m,p-Xylenes	**<0.50**	0.50	ug/L						30	
Surrogate: 4-Bromofluorobenzene	*53.9*		*ug/L*	*50.0*		*108*	*70-140*			
Surrogate: Dibromofluoromethane	*58.1*		*ug/L*	*50.0*		*116*	*70-140*			
Surrogate: Toluene-d8	*49.9*		*ug/L*	*50.0*		*99.8*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B1K2221 - *** DEFAULT PREP ****										
Blank (B1K2221-BLK1)				Prepared & Analyzed: 11/22/21						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*42.7*		*ug/L*	*50.0*		*85.3*	*70-130*			
LCS (B1K2221-BS1)				Prepared & Analyzed: 11/22/21						
Gasoline Range Organics (GRO)	**493**	20	ug/L	500		98.6	75-125			
Surrogate: a,a,a-Trifluorotoluene	*57.0*		*ug/L*	*50.0*		*114*	*70-130*			
LCS Dup (B1K2221-BSD1)				Prepared & Analyzed: 11/22/21						
Gasoline Range Organics (GRO)	**437**	20	ug/L	500		87.4	75-125	12.0	30	
Surrogate: a,a,a-Trifluorotoluene	*47.1*		*ug/L*	*50.0*		*94.2*	*70-130*			
Duplicate (B1K2221-DUP1)			**Source: 1K22008-02**	Prepared & Analyzed: 11/22/21						
Gasoline Range Organics (GRO)	**<20**	20	ug/L						30	
Surrogate: a,a,a-Trifluorotoluene	*55.8*		*ug/L*	*50.0*		*112*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B1K2221 - *** DEFAULT PREP ****										
Blank (B1K2221-BLK1)				Prepared & Analyzed: 11/22/21						
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B1K2221-DUP1)			**Source: 1K22008-02**	Prepared & Analyzed: 11/22/21						

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334353
Date Received: 11/22/21
Date Reported: 11/23/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor as Hexane - Quality Control										
*Batch B1K2221 - *** DEFAULT PREP ****										
Duplicate (B1K2221-DUP1) Continued			**Source: 1K22008-02**	Prepared & Analyzed: 11/22/21						
Total VOCs as Hexane	**<4.9**	4.9	ppmv						30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334353
Project No:	04-NDLA-013	**Date Received:**	11/22/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/21

Special Notes

Viorel Vasile
Operations Manager

23772

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

9765 ETON AVE., CHATSWORTH, CA 91311
Tel: 818-998-5547 FAX: 818-998-7258

Page 1 of 1

Client: The Source Group, Inc.	**Project Name / No.:** DFSP - Norwalk / 091-NOR-001	**Sampler's Name:** Glenn Andrasko	
Project Manager: Neil Irish	**Site Address:** 15306 Norwalk Blvd	**Sampler's Signature:** Glenn Andrasko	
Phone: 562-597-1055	**City:** Norwalk	**P.O. No.:**	
Fax: 569-597-1070	**State & Zip:** CA 90650	**Quote No.:**	

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name) — Please enter the TAT Turnaround Codes ** below

Client I.D.	[redacted]	Date	Time	Sample Matrix	No. of Cont	Total VOCs Gas 8015	Total VOCs Hexane 8015	BTEX/MTBE 8260B	HOLD						Special Instructions
VES Carbon-Influent	1K22009 -01	11-22-21	0708	Air	1				✓						*VOC's reported as
VES Carbon-Effluent	-02	"	0703	Air	1	✓	✓	✓		24Hr TAT					GRO (detection limit
															= 4.9 ppmv) and
															*VOCs as Hexane
															(detection limit =
															4.9 ppmv)
															*Benzene (detection
															limit = 0.10 ppmv)

PRIORITY
Rush 24 hrs
Date 11/22/21 Time 1600
SH

Relinquished by	Date	Time	Received by
Glenn Andrasko	11-22-21	10:00	[signature]
[signature]	11/22/21	1512	[signature]

AS334343/1K22009

Note: By relinquishing samples to American Analytics, client agrees to pay for the services requested on this chain of custody form and any additional client-requested analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 45 days following the submittal of the sample(s) to American Analytics.

AMERICAN ANALYTICS

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

December 16, 2021

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

Re : DFSP Norwalk VES AQMD / 04-NDLA-013

A5334363 / 1L07012

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 12/07/21 16:42 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334363
Date Received: 12/07/21
Date Reported: 12/16/21

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
VES Carbon-Influent	1L07012-01	Vapor	5	12/06/21 14:15	12/07/21 16:42
VES Carbon-Effluent	1L07012-02	Vapor	5	12/06/21 14:11	12/07/21 16:42
VOCs Gasoline Range Organics Vapor					
VES Carbon-Influent	1L07012-01	Vapor	5	12/06/21 14:15	12/07/21 16:42
VES Carbon-Effluent	1L07012-02	Vapor	5	12/06/21 14:11	12/07/21 16:42
VOCs in Vapor as Hexane					
VES Carbon-Influent	1L07012-01	Vapor	5	12/06/21 14:15	12/07/21 16:42
VES Carbon-Effluent	1L07012-02	Vapor	5	12/06/21 14:11	12/07/21 16:42

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334363
Project No:	04-NDLA-013	**Date Received:**	12/07/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	12/16/21
Matrix:	Vapor	**Sampled:**	12/06/21
Dilution:	0.5	**Prepared:**	12/08/21
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	12/08/21

VES Carbon-Influent

1L07012-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.25	ug/L	0.50	<0.078	ppmv	0.16
Ethylbenzene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<1.0	ug/L	2.0	<0.28	ppmv	0.55
Toluene	<0.25	ug/L	0.50	<0.066	ppmv	0.13
o-Xylene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
m,p-Xylenes	<0.50	ug/L	1.0	<0.12	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	73.4 %	70-140
Dibromofluoromethane	83.1 %	70-140
Toluene-d8	80.9 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334363
Project No:	04-NDLA-013	**Date Received:**	12/07/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	12/16/21
Matrix:	Vapor	**Sampled:**	12/06/21
Dilution:	0.5	**Prepared:**	12/08/21
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	12/08/21

VES Carbon-Effluent

1L07012-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.25	ug/L	0.50	<0.078	ppmv	0.16
Ethylbenzene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<1.0	ug/L	2.0	<0.28	ppmv	0.55
Toluene	<0.25	ug/L	0.50	<0.066	ppmv	0.13
o-Xylene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
m,p-Xylenes	<0.50	ug/L	1.0	<0.12	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	72.6 %	70-140
Dibromofluoromethane	80.0 %	70-140
Toluene-d8	79.6 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334363
Project No:	04-NDLA-013	**Date Received:**	12/07/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	12/16/21
Matrix:	Vapor	**Sampled:**	12/06/21
Dilution:	1	**Prepared:**	12/08/21
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	12/08/21

VES Carbon-Influent

1L07012-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**190**	ug/L	20	**46**	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	107 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334363
Project No:	04-NDLA-013	**Date Received:**	12/07/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	12/16/21
Matrix:	Vapor	**Sampled:**	12/06/21
Dilution:	1	**Prepared:**	12/08/21
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	12/08/21

VES Carbon-Effluent

1L07012-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	<20	ug/L	20	<4.9	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	101 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334363
Project No:	04-NDLA-013	**Date Received:**	12/07/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	12/16/21
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	12/06/21	12/06/21	
Date Prepared:	12/08/21	12/08/21	
Date Analyzed:	12/08/21	12/08/21	
AA ID No:	1L07012-01	1L07012-02	
Client ID No:	VES Carbon-Influent	VES Carbon-Effluent	
Matrix:	Vapor	Vapor	
Dilution Factor:	1	1	MRL
VOCs in Vapor as Hexane (EPA 8015M)			
Total VOCs as Hexane	**35**	<4.9	4.9

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334363
Date Received: 12/07/21
Date Reported: 12/16/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B1L0816 - *** DEFAULT PREP ****										
Blank (B1L0816-BLK1)				Prepared & Analyzed: 12/08/21						
Benzene	<0.50	0.50	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Toluene	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*38.5*		*ug/L*	*50.0*		*77.1*	*70-140*			
Surrogate: Dibromofluoromethane	*45.6*		*ug/L*	*50.0*		*91.2*	*70-140*			
Surrogate: Toluene-d8	*40.4*		*ug/L*	*50.0*		*80.8*	*70-140*			
LCS (B1L0816-BS1)				Prepared & Analyzed: 12/08/21						
Benzene	**17.2**	0.50	ug/L	20.0		85.8	75-125			
Ethylbenzene	**17.1**	0.50	ug/L	20.0		85.4	75-125			
Methyl-tert-Butyl Ether (MTBE)	**25.2**	2.0	ug/L	40.0		63.1	75-125			QL-07
Toluene	**18.3**	0.50	ug/L	20.0		91.4	75-125			
o-Xylene	**17.4**	0.50	ug/L	20.0		87.2	75-125			
m,p-Xylenes	**37.0**	1.0	ug/L	40.0		92.6	75-125			
Surrogate: 4-Bromofluorobenzene	*38.9*		*ug/L*	*50.0*		*77.7*	*70-140*			
Surrogate: Dibromofluoromethane	*41.9*		*ug/L*	*50.0*		*83.9*	*70-140*			
Surrogate: Toluene-d8	*41.2*		*ug/L*	*50.0*		*82.3*	*70-140*			
LCS Dup (B1L0816-BSD1)				Prepared & Analyzed: 12/08/21						
Benzene	**16.0**	0.50	ug/L	20.0		80.2	75-125	6.81	30	
Ethylbenzene	**17.1**	0.50	ug/L	20.0		85.4	75-125	0.00	30	
Methyl-tert-Butyl Ether (MTBE)	**24.1**	2.0	ug/L	40.0		60.3	75-125	4.62	30	QL-07
Toluene	**19.0**	0.50	ug/L	20.0		95.0	75-125	3.86	30	
o-Xylene	**17.9**	0.50	ug/L	20.0		89.6	75-125	2.66	30	
m,p-Xylenes	**38.6**	1.0	ug/L	40.0		96.4	75-125	3.99	30	
Surrogate: 4-Bromofluorobenzene	*36.8*		*ug/L*	*50.0*		*73.6*	*70-140*			
Surrogate: Dibromofluoromethane	*37.9*		*ug/L*	*50.0*		*75.9*	*70-140*			
Surrogate: Toluene-d8	*40.1*		*ug/L*	*50.0*		*80.2*	*70-140*			
Duplicate (B1L0816-DUP1)				**Source: 1L07010-01**	Prepared & Analyzed: 12/08/21					

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334363
Date Received: 12/07/21
Date Reported: 12/16/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B1L0816 - *** DEFAULT PREP ****										
Duplicate (B1L0816-DUP1) Continued			**Source: 1L07010-01**	Prepared & Analyzed: 12/08/21						
Benzene	**1.83**	0.25	ug/L		1.95			6.35	30	
Ethylbenzene	**1.46**	0.25	ug/L		1.50			2.69	30	
Methyl-tert-Butyl Ether (MTBE)	**<1.0**	1.0	ug/L						30	
Toluene	**1.66**	0.25	ug/L		1.60			3.37	30	
o-Xylene	**1.28**	0.25	ug/L		1.27			1.17	30	
m,p-Xylenes	**4.40**	0.50	ug/L		4.34			1.37	30	
Surrogate: 4-Bromofluorobenzene	*34.2*		*ug/L*	*50.0*		*68.3*	*70-140*			*S-GC*
Surrogate: Dibromofluoromethane	*42.7*		*ug/L*	*50.0*		*85.5*	*70-140*			
Surrogate: Toluene-d8	*41.4*		*ug/L*	*50.0*		*82.7*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B1L0812 - *** DEFAULT PREP ****										
Blank (B1L0812-BLK1)				Prepared & Analyzed: 12/08/21						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*45.9*		*ug/L*	*50.0*		*91.8*	*70-130*			
LCS (B1L0812-BS1)				Prepared & Analyzed: 12/08/21						
Gasoline Range Organics (GRO)	**480**	20	ug/L	500		96.0	75-125			
Surrogate: a,a,a-Trifluorotoluene	*56.8*		*ug/L*	*50.0*		*114*	*70-130*			
LCS Dup (B1L0812-BSD1)				Prepared & Analyzed: 12/08/21						
Gasoline Range Organics (GRO)	**539**	20	ug/L	500		108	75-125	11.5	30	
Surrogate: a,a,a-Trifluorotoluene	*61.1*		*ug/L*	*50.0*		*122*	*70-130*			
Duplicate (B1L0812-DUP1)			**Source: 1L07010-01**	Prepared & Analyzed: 12/08/21						
Gasoline Range Organics (GRO)	**2330**	20	ug/L		2630			11.9	30	
Surrogate: a,a,a-Trifluorotoluene	*53.0*		*ug/L*	*50.0*		*106*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B1L0812 - *** DEFAULT PREP ****										
Blank (B1L0812-BLK1)				Prepared & Analyzed: 12/08/21						
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B1L0812-DUP1)			**Source: 1L07010-01**	Prepared & Analyzed: 12/08/21						

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334363
Date Received: 12/07/21
Date Reported: 12/16/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor as Hexane - Quality Control										
*Batch B1L0812 - *** DEFAULT PREP ****										
Duplicate (B1L0812-DUP1) Continued	**Source: 1L07010-01**		Prepared & Analyzed: 12/08/21							
Total VOCs as Hexane	**422**	4.9	ppmv		475			11.9	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334363
Project No:	04-NDLA-013	**Date Received:**	12/07/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	12/16/21

Special Notes

[1] = **QL-07** : The recovery for this analyte in the LCS and LCSD is marginally below the lower control limit, therefore the reported concentration for this analyte may be biased low.

[2] = **S-GC** : Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate(s).

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

23826

9765 ETON AVE., CHATSWORTH, CA 91311
Tel: 818-998-5547 FAX: 818-998-7258

Client:	The Source Group, Inc.	**Project Name / No.:**	DFSP - Norwalk / 091-NOR-001	**Sampler's Name:**	Glenn Andonska
Project Manager:	Neil Irish	**Site Address:**	15306 Norwalk Blvd	**Sampler's Signature:**	Glenn Andonska
Phone:	562-597-1055	**City:**	Norwalk	**P.O. No.:**	
Fax:	569-597-1070	**State & Zip:**	CA 90650	**Quote No.:**	

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

Please enter the TAT Turnaround Codes ** below

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	Total VOCs Gas 8015	Total VOCs Hexane 8015	BTEX/MTBE 8260B							Special Instructions
VES Carbon-Influent	1207012 -01	12-6-21	1415	Air	1	✓	✓	✓							*VOC's reported as
VES Carbon-Effluent	-02	"	1411	Air	1	✓	✓	✓							GRO (detection limit
															= 4.9 ppmv) and
															*VOCs as Hexane
															(detection limit =
															4.9 ppmv)
															*Benzene (detection
															limit = 0.10 ppmv)

PRIORITY
Rush ___ Hrs SH
Date 12/8/21 Time 0545 Sign

A5334363/1207012

Relinquished by	Date	Time	Received by
Glenn Andonska	12-7-21	1:30	[signature]
[signature]	12-7-21	1642	[signature]

Note: By relinquishing samples to American Analytics, client agrees to pay for the services requested on this chain of custody form and any additional client-requested analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 45 days following the submittal of the sample(s) to American Analytics.

AMERICAN ANALYTICS

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

December 16, 2021

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

Re : DFSP Norwalk VES AQMD / 04-NDLA-013

A5334364 / 1L07013

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 12/07/21 16:42 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334364
Date Received: 12/07/21
Date Reported: 12/16/21

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
VES After GAC-1	1L07013-01	Vapor	5	12/06/21 14:14	12/07/21 16:42
VES After GAC-2	1L07013-02	Vapor	5	12/06/21 14:13	12/07/21 16:42
VOCs Gasoline Range Organics Vapor					
VES After GAC-1	1L07013-01	Vapor	5	12/06/21 14:14	12/07/21 16:42
VES After GAC-2	1L07013-02	Vapor	5	12/06/21 14:13	12/07/21 16:42
VOCs in Vapor as Hexane					
VES After GAC-1	1L07013-01	Vapor	5	12/06/21 14:14	12/07/21 16:42
VES After GAC-2	1L07013-02	Vapor	5	12/06/21 14:13	12/07/21 16:42

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334364
Project No:	04-NDLA-013	**Date Received:**	12/07/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	12/16/21
Matrix:	Vapor	**Sampled:**	12/06/21
Dilution:	0.5	**Prepared:**	12/08/21
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	12/08/21

VES After GAC-1

1L07013-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.25	ug/L	0.50	<0.078	ppmv	0.16
Ethylbenzene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<1.0	ug/L	2.0	<0.28	ppmv	0.55
Toluene	<0.25	ug/L	0.50	<0.066	ppmv	0.13
o-Xylene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
m,p-Xylenes	<0.50	ug/L	1.0	<0.12	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	71.6 %	70-140
Dibromofluoromethane	82.6 %	70-140
Toluene-d8	80.6 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334364
Project No:	04-NDLA-013	**Date Received:**	12/07/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	12/16/21
Matrix:	Vapor	**Sampled:**	12/06/21
Dilution:	0.5	**Prepared:**	12/08/21
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	12/08/21

VES After GAC-2

1L07013-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.25	ug/L	0.50	<0.078	ppmv	0.16
Ethylbenzene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<1.0	ug/L	2.0	<0.28	ppmv	0.55
Toluene	<0.25	ug/L	0.50	<0.066	ppmv	0.13
o-Xylene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
m,p-Xylenes	<0.50	ug/L	1.0	<0.12	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	72.9 %	70-140
Dibromofluoromethane	85.5 %	70-140
Toluene-d8	78.7 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334364
Project No:	04-NDLA-013	**Date Received:**	12/07/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	12/16/21
Matrix:	Vapor	**Sampled:**	12/06/21
Dilution:	1	**Prepared:**	12/08/21
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	12/08/21

VES After GAC-1

1L07013-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	<20	ug/L	20	<4.9	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	102 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334364
Project No:	04-NDLA-013	**Date Received:**	12/07/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	12/16/21
Matrix:	Vapor	**Sampled:**	12/06/21
Dilution:	1	**Prepared:**	12/08/21
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	12/08/21

VES After GAC-2

1L07013-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	<20	ug/L	20	<4.9	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	103 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334364
Project No:	04-NDLA-013	**Date Received:**	12/07/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	12/16/21
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	12/06/21	12/06/21	
Date Prepared:	12/08/21	12/08/21	
Date Analyzed:	12/08/21	12/08/21	
AA ID No:	1L07013-01	1L07013-02	
Client ID No:	VES After GAC-1	VES After GAC-2	
Matrix:	Vapor	Vapor	
Dilution Factor:	1	1	MRL
VOCs in Vapor as Hexane (EPA 8015M)			
Total VOCs as Hexane	<4.9	<4.9	4.9

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334364
Date Received: 12/07/21
Date Reported: 12/16/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B1L0816 - *** DEFAULT PREP ****										
Blank (B1L0816-BLK1)				Prepared & Analyzed: 12/08/21						
Benzene	<0.50	0.50	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Toluene	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*38.5*		*ug/L*	*50.0*		*77.1*	*70-140*			
Surrogate: Dibromofluoromethane	*45.6*		*ug/L*	*50.0*		*91.2*	*70-140*			
Surrogate: Toluene-d8	*40.4*		*ug/L*	*50.0*		*80.8*	*70-140*			
LCS (B1L0816-BS1)				Prepared & Analyzed: 12/08/21						
Benzene	**17.2**	0.50	ug/L	20.0		85.8	75-125			
Ethylbenzene	**17.1**	0.50	ug/L	20.0		85.4	75-125			
Methyl-tert-Butyl Ether (MTBE)	**25.2**	2.0	ug/L	40.0		63.1	75-125			QL-07
Toluene	**18.3**	0.50	ug/L	20.0		91.4	75-125			
o-Xylene	**17.4**	0.50	ug/L	20.0		87.2	75-125			
m,p-Xylenes	**37.0**	1.0	ug/L	40.0		92.6	75-125			
Surrogate: 4-Bromofluorobenzene	*38.9*		*ug/L*	*50.0*		*77.7*	*70-140*			
Surrogate: Dibromofluoromethane	*41.9*		*ug/L*	*50.0*		*83.9*	*70-140*			
Surrogate: Toluene-d8	*41.2*		*ug/L*	*50.0*		*82.3*	*70-140*			
LCS Dup (B1L0816-BSD1)				Prepared & Analyzed: 12/08/21						
Benzene	**16.0**	0.50	ug/L	20.0		80.2	75-125	6.81	30	
Ethylbenzene	**17.1**	0.50	ug/L	20.0		85.4	75-125	0.00	30	
Methyl-tert-Butyl Ether (MTBE)	**24.1**	2.0	ug/L	40.0		60.3	75-125	4.62	30	QL-07
Toluene	**19.0**	0.50	ug/L	20.0		95.0	75-125	3.86	30	
o-Xylene	**17.9**	0.50	ug/L	20.0		89.6	75-125	2.66	30	
m,p-Xylenes	**38.6**	1.0	ug/L	40.0		96.4	75-125	3.99	30	
Surrogate: 4-Bromofluorobenzene	*36.8*		*ug/L*	*50.0*		*73.6*	*70-140*			
Surrogate: Dibromofluoromethane	*37.9*		*ug/L*	*50.0*		*75.9*	*70-140*			
Surrogate: Toluene-d8	*40.1*		*ug/L*	*50.0*		*80.2*	*70-140*			
Duplicate (B1L0816-DUP1)				**Source: 1L07010-01**	Prepared & Analyzed: 12/08/21					

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334364
Date Received: 12/07/21
Date Reported: 12/16/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B1L0816 - *** DEFAULT PREP ****										
Duplicate (B1L0816-DUP1) Continued			**Source: 1L07010-01**	Prepared & Analyzed: 12/08/21						
Benzene	**1.83**	0.25	ug/L		1.95			6.35	30	
Ethylbenzene	**1.46**	0.25	ug/L		1.50			2.69	30	
Methyl-tert-Butyl Ether (MTBE)	**<1.0**	1.0	ug/L						30	
Toluene	**1.66**	0.25	ug/L		1.60			3.37	30	
o-Xylene	**1.28**	0.25	ug/L		1.27			1.17	30	
m,p-Xylenes	**4.40**	0.50	ug/L		4.34			1.37	30	
Surrogate: 4-Bromofluorobenzene	*34.2*		*ug/L*	*50.0*		*68.3*	*70-140*			*S-GC*
Surrogate: Dibromofluoromethane	*42.7*		*ug/L*	*50.0*		*85.5*	*70-140*			
Surrogate: Toluene-d8	*41.4*		*ug/L*	*50.0*		*82.7*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B1L0812 - *** DEFAULT PREP ****										
Blank (B1L0812-BLK1)				Prepared & Analyzed: 12/08/21						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*45.9*		*ug/L*	*50.0*		*91.8*	*70-130*			
LCS (B1L0812-BS1)				Prepared & Analyzed: 12/08/21						
Gasoline Range Organics (GRO)	**480**	20	ug/L	500		96.0	75-125			
Surrogate: a,a,a-Trifluorotoluene	*56.8*		*ug/L*	*50.0*		*114*	*70-130*			
LCS Dup (B1L0812-BSD1)				Prepared & Analyzed: 12/08/21						
Gasoline Range Organics (GRO)	**539**	20	ug/L	500		108	75-125	11.5	30	
Surrogate: a,a,a-Trifluorotoluene	*61.1*		*ug/L*	*50.0*		*122*	*70-130*			
Duplicate (B1L0812-DUP1)			**Source: 1L07010-01**	Prepared & Analyzed: 12/08/21						
Gasoline Range Organics (GRO)	**2330**	20	ug/L		2630			11.9	30	
Surrogate: a,a,a-Trifluorotoluene	*53.0*		*ug/L*	*50.0*		*106*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B1L0812 - *** DEFAULT PREP ****										
Blank (B1L0812-BLK1)				Prepared & Analyzed: 12/08/21						
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B1L0812-DUP1)			**Source: 1L07010-01**	Prepared & Analyzed: 12/08/21						

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334364
Date Received: 12/07/21
Date Reported: 12/16/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor as Hexane - Quality Control										
*Batch B1L0812 - *** DEFAULT PREP ****										
Duplicate (B1L0812-DUP1) Continued	**Source: 1L07010-01**		Prepared & Analyzed: 12/08/21							
Total VOCs as Hexane	**422**	4.9	ppmv		475			11.9	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334364
Project No:	04-NDLA-013	**Date Received:**	12/07/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	12/16/21

Special Notes

[1] = **QL-07** : The recovery for this analyte in the LCS and LCSD is marginally below the lower control limit, therefore the reported concentration for this analyte may be biased low.

[2] = **S-GC** : Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate(s).

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

9765 ETON AVE., CHATSWORTH, CA 91311

Tel: 818-998-5547 FAX: 818-998-7258

23827

Client:	The Source Group, Inc.	**Project Name / No.:**	DFSP - Norwalk / 04-SDLA	**Sampler's Name:**	Glenn Androsko
Project Manager:	Neil Irish	**Site Address:**	15306 Norwalk Blvd	**Sampler's Signature:**	Glenn Androsko
Phone:	562-597-1055	**City:**	Norwalk	**P.O. No.:**	
Fax:	569-597-1070	**State & Zip:**	CA 90650	**Quote No.:**	

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name) — Please enter the TAT Turnaround Codes ** below

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	Total VOCs Gas 8015	Total VOCs Hexane 8015	BTEX/MTBE 8260B							Special Instructions
VES After GAC-1	1207013 -01	12-6-21	1414	Air	1	✓	✓	✓							*VOCs reported as
VES After GAC-2	-02	"	1413	Air	1	✓	✓	✓							GRO (detection limit
															= 4.9 ppmv) and
															*VOCs as Hexane
															(detection limit =
															4.9 ppmv)
															*Benzene (detection
															limit = 0.10 ppmv)

PRIORITY Rush Hrs SH Date 12/8/21 Time 0595 Sign

A5334364/1207013

Relinquished by	Date	Time	Received by
Glenn Androsko	12-7-21	1:30	[signature]
[signature]	12-7-21	1642	[signature]

Note: By relinquishing samples to American Analytics, client agrees to pay for the services requested on this chain of custody form and any additional client-requested analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 45 days following the submittal of the sample(s) to American Analytics.

AMERICAN ANALYTICS

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

October 27, 2021

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

Re : DFSP Norwalk VES AQMD / 04-NDLA-013

A5334289 / 1J19007

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 10/19/21 13:39 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334289
Date Received: 10/19/21
Date Reported: 10/27/21

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
VES Thermox-Influent	1J19007-01	Vapor	5	10/18/21 14:10	10/19/21 13:39
VES Thermox-Effluent	1J19007-02	Vapor	5	10/18/21 14:05	10/19/21 13:39
VOCs Gasoline Range Organics Vapor					
VES Thermox-Influent	1J19007-01	Vapor	5	10/18/21 14:10	10/19/21 13:39
VES Thermox-Effluent	1J19007-02	Vapor	5	10/18/21 14:05	10/19/21 13:39
VOCs in Vapor as Hexane					
VES Thermox-Influent	1J19007-01	Vapor	5	10/18/21 14:10	10/19/21 13:39
VES Thermox-Effluent	1J19007-02	Vapor	5	10/18/21 14:05	10/19/21 13:39

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334289
Project No:	04-NDLA-013	**Date Received:**	10/19/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/27/21
Matrix:	Vapor	**Sampled:**	10/18/21
Dilution:	0.5	**Prepared:**	10/20/21
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	10/20/21

VES Thermox-Influent

1J19007-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**2.7**	ug/L	0.50	**0.85**	ppmv	0.16
Ethylbenzene	**1.6**	ug/L	0.50	**0.37**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<1.0	ug/L	2.0	<0.28	ppmv	0.55
Toluene	**1.7**	ug/L	0.50	**0.45**	ppmv	0.13
o-Xylene	**1.6**	ug/L	0.50	**0.37**	ppmv	0.12
m,p-Xylenes	**4.5**	ug/L	1.0	**1.0**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	80.8 %	70-140
Dibromofluoromethane	109 %	70-140
Toluene-d8	94.9 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334289
Project No:	04-NDLA-013	**Date Received:**	10/19/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/27/21
Matrix:	Vapor	**Sampled:**	10/18/21
Dilution:	0.5	**Prepared:**	10/20/21
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	10/20/21

VES Thermox-Effluent

1J19007-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.25	ug/L	0.50	<0.078	ppmv	0.16
Ethylbenzene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<1.0	ug/L	2.0	<0.28	ppmv	0.55
Toluene	<0.25	ug/L	0.50	<0.066	ppmv	0.13
o-Xylene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
m,p-Xylenes	<0.50	ug/L	1.0	<0.12	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	88.3 %	70-140
Dibromofluoromethane	113 %	70-140
Toluene-d8	92.6 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334289
Project No:	04-NDLA-013	**Date Received:**	10/19/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/27/21
Matrix:	Vapor	**Sampled:**	10/18/21
Dilution:	1	**Prepared:**	10/20/21
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	10/20/21

VES Thermox-Influent

1J19007-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**1800**	ug/L	20	**440**	ppmv	4.9

Surrogates	**%REC**	**%REC Limits**
a,a,a-Trifluorotoluene	106 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334289
Project No:	04-NDLA-013	**Date Received:**	10/19/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/27/21
Matrix:	Vapor	**Sampled:**	10/18/21
Dilution:	1	**Prepared:**	10/19/21
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	10/19/21

VES Thermox-Effluent

1J19007-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	<20	ug/L	20	<4.9	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	93.7 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334289
Project No:	04-NDLA-013	**Date Received:**	10/19/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/27/21
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	10/18/21	10/18/21	
Date Prepared:	10/20/21	10/19/21	
Date Analyzed:	10/20/21	10/19/21	
AA ID No:	1J19007-01	1J19007-02	
Client ID No:	VES Thermox-Influent	VES Thermox-Effluent	
Matrix:	Vapor	Vapor	
Dilution Factor:	1	1	MRL
VOCs in Vapor as Hexane (EPA 8015M)			
Total VOCs as Hexane	**330**	<4.9	4.9

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334289
Date Received: 10/19/21
Date Reported: 10/27/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B1J2022 - *** DEFAULT PREP ****										
Blank (B1J2022-BLK1)				Prepared & Analyzed: 10/20/21						
Benzene	<0.50	0.50	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Toluene	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*44.5*		*ug/L*	*50.0*		*89.0*	*70-140*			
Surrogate: Dibromofluoromethane	*52.5*		*ug/L*	*50.0*		*105*	*70-140*			
Surrogate: Toluene-d8	*47.2*		*ug/L*	*50.0*		*94.4*	*70-140*			
LCS (B1J2022-BS1)				Prepared: 10/20/21 Analyzed: 10/21/21						
Benzene	**17.0**	0.50	ug/L	20.0		85.0	75-125			
Ethylbenzene	**21.9**	0.50	ug/L	20.0		110	75-125			
Methyl-tert-Butyl Ether (MTBE)	**35.2**	2.0	ug/L	40.0		88.1	75-125			
Toluene	**20.7**	0.50	ug/L	20.0		104	75-125			
o-Xylene	**22.3**	0.50	ug/L	20.0		112	75-125			
m,p-Xylenes	**44.1**	1.0	ug/L	40.0		110	75-125			
Surrogate: 4-Bromofluorobenzene	*43.1*		*ug/L*	*50.0*		*86.2*	*70-140*			
Surrogate: Dibromofluoromethane	*48.1*		*ug/L*	*50.0*		*96.2*	*70-140*			
Surrogate: Toluene-d8	*46.2*		*ug/L*	*50.0*		*92.3*	*70-140*			
LCS Dup (B1J2022-BSD1)				Prepared & Analyzed: 10/20/21						
Benzene	**16.6**	0.50	ug/L	20.0		83.2	75-125	2.08	30	
Ethylbenzene	**21.3**	0.50	ug/L	20.0		107	75-125	2.64	30	
Methyl-tert-Butyl Ether (MTBE)	**41.2**	2.0	ug/L	40.0		103	75-125	15.6	30	
Toluene	**20.2**	0.50	ug/L	20.0		101	75-125	2.44	30	
o-Xylene	**21.8**	0.50	ug/L	20.0		109	75-125	2.45	30	
m,p-Xylenes	**43.2**	1.0	ug/L	40.0		108	75-125	2.25	30	
Surrogate: 4-Bromofluorobenzene	*42.9*		*ug/L*	*50.0*		*85.9*	*70-140*			
Surrogate: Dibromofluoromethane	*49.0*		*ug/L*	*50.0*		*98.0*	*70-140*			
Surrogate: Toluene-d8	*46.6*		*ug/L*	*50.0*		*93.3*	*70-140*			
Duplicate (B1J2022-DUP1)				**Source: 1J19005-01** Prepared & Analyzed: 10/20/21						

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334289
Date Received: 10/19/21
Date Reported: 10/27/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B1J2022 - *** DEFAULT PREP ****										
Duplicate (B1J2022-DUP1) Continued			**Source: 1J19005-01**	Prepared & Analyzed: 10/20/21						
Benzene	**<0.25**	0.25	ug/L						30	
Ethylbenzene	**<0.25**	0.25	ug/L						30	
Methyl-tert-Butyl Ether (MTBE)	**<1.0**	1.0	ug/L		0.310				30	
Toluene	**<0.25**	0.25	ug/L						30	
o-Xylene	**<0.25**	0.25	ug/L						30	
m,p-Xylenes	**<0.50**	0.50	ug/L						30	
Surrogate: 4-Bromofluorobenzene	*44.2*		*ug/L*	*50.0*		*88.3*	*70-140*			
Surrogate: Dibromofluoromethane	*52.4*		*ug/L*	*50.0*		*105*	*70-140*			
Surrogate: Toluene-d8	*46.8*		*ug/L*	*50.0*		*93.5*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B1J1913 - *** DEFAULT PREP ****										
Blank (B1J1913-BLK1)				Prepared & Analyzed: 10/19/21						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*49.1*		*ug/L*	*50.0*		*98.2*	*70-130*			
LCS (B1J1913-BS1)				Prepared & Analyzed: 10/19/21						
Gasoline Range Organics (GRO)	**460**	20	ug/L	500		91.9	75-125			
Surrogate: a,a,a-Trifluorotoluene	*57.3*		*ug/L*	*50.0*		*115*	*70-130*			
LCS Dup (B1J1913-BSD1)				Prepared & Analyzed: 10/19/21						
Gasoline Range Organics (GRO)	**457**	20	ug/L	500		91.4	75-125	0.603	30	
Surrogate: a,a,a-Trifluorotoluene	*59.4*		*ug/L*	*50.0*		*119*	*70-130*			
Duplicate (B1J1913-DUP1)			**Source: 1J19005-01**	Prepared & Analyzed: 10/19/21						
Gasoline Range Organics (GRO)	**<20**	20	ug/L						30	
Surrogate: a,a,a-Trifluorotoluene	*53.8*		*ug/L*	*50.0*		*108*	*70-130*			
*Batch B1J2017 - *** DEFAULT PREP ****										
Blank (B1J2017-BLK1)				Prepared & Analyzed: 10/20/21						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*49.5*		*ug/L*	*50.0*		*98.9*	*70-130*			
LCS (B1J2017-BS1)				Prepared & Analyzed: 10/20/21						

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334289
Date Received: 10/19/21
Date Reported: 10/27/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B1J2017 - *** DEFAULT PREP ****										
LCS (B1J2017-BS1) Continued				Prepared & Analyzed: 10/20/21						
Gasoline Range Organics (GRO)	**426**	20	ug/L	500		85.2	75-125			
Surrogate: a,a,a-Trifluorotoluene	*50.7*		*ug/L*	*50.0*		*101*	*70-130*			
LCS Dup (B1J2017-BSD1)				Prepared & Analyzed: 10/20/21						
Gasoline Range Organics (GRO)	**462**	20	ug/L	500		92.4	75-125	8.10	30	
Surrogate: a,a,a-Trifluorotoluene	*55.5*		*ug/L*	*50.0*		*111*	*70-130*			
Duplicate (B1J2017-DUP1)			**Source: 1J19008-04**	Prepared & Analyzed: 10/20/21						
Gasoline Range Organics (GRO)	**733**	20	ug/L		736			0.433	30	
Surrogate: a,a,a-Trifluorotoluene	*54.7*		*ug/L*	*50.0*		*109*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B1J1913 - *** DEFAULT PREP ****										
Blank (B1J1913-BLK1)				Prepared & Analyzed: 10/19/21						
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B1J1913-DUP1)			**Source: 1J19005-01**	Prepared & Analyzed: 10/19/21						
Total VOCs as Hexane	**<4.9**	4.9	ppmv						30	
*Batch B1J2017 - *** DEFAULT PREP ****										
Blank (B1J2017-BLK1)				Prepared & Analyzed: 10/20/21						
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B1J2017-DUP1)			**Source: 1J19008-04**	Prepared & Analyzed: 10/20/21						
Total VOCs as Hexane	**133**	4.9	ppmv		134			0.593	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334289
Project No:	04-NDLA-013	**Date Received:**	10/19/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/27/21

Special Notes

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

9765 ETON AVE., CHATSWORTH, CA 91311
Tel: 818-998-5547 FAX: 818-998-7258

23520

Client: The Source Group, Inc.		**Project Name / No.:**	DFSP - Norwalk / 091-NOR-001 Task 2-10	**Sampler's Name:**	Glenn Andrusko
Project Manager: Neil Irish		**Site Address:**	15306 Norwalk Blvd	**Sampler's Signature:**	Glenn Andrusko
Phone: 562-597-1055		**City:**	Norwalk	**P.O. No.:**	
Fax: 569-597-1070		**State & Zip:**	CA 90650	**Quote No.:**	

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name) — Please enter the TAT Turnaround Codes ** below

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	Total VOCs Gas 8015	Total VOCs Hexane 8015	BTEX/MTBE 8260B								Special Instructions
VES Thermox-Influent	1J19007 -01	10-18-21	1410	Air	1	✓	✓	✓								VOC's reported as
VES Thermox-Effluent	-02	10-18-21	1405	Air	1	✓	✓	✓								GRO (detection limit
																= 4.9 ppmv) and
																VOCs as Hexane
																(detection limit =
																4.9 ppmv)
																Benzene (detection
																limit = 0.15 ppmv)

PRIORITY
Rush Date 10/19/21 Time 1530

A5334289/1J19007

Relinquished by	Date	Time	Received by
Glenn Andrusko	10-19-21	9:45	[signature]
[signature]	10-19-21	1339	[signature]

Note: By relinquishing samples to American Analytics, client agrees to pay for the services requested on this chain of custody form and any additional client-requested analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 45 days following the submittal of the sample(s) to American Analytics.

AMERICAN ANALYTICS

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

November 22, 2021

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

Re : DFSP Norwalk VES AQMD / 04-NDLA-013

A5334326 / 1K09014

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 11/10/21 18:37 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334326
Date Received: 11/10/21
Date Reported: 11/22/21

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
VES Thermox-Influent	1K09014-01	Vapor	5	11/10/21 12:49	11/10/21 18:37
VES Thermox-Effluent	1K09014-02	Vapor	5	11/10/21 12:46	11/10/21 18:37
VOCs Gasoline Range Organics Vapor					
VES Thermox-Influent	1K09014-01	Vapor	5	11/10/21 12:49	11/10/21 18:37
VES Thermox-Effluent	1K09014-02	Vapor	5	11/10/21 12:46	11/10/21 18:37
VOCs in Vapor as Hexane					
VES Thermox-Influent	1K09014-01	Vapor	5	11/10/21 12:49	11/10/21 18:37
VES Thermox-Effluent	1K09014-02	Vapor	5	11/10/21 12:46	11/10/21 18:37

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334326
Project No:	04-NDLA-013	**Date Received:**	11/10/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/22/21
Matrix:	Vapor	**Sampled:**	11/10/21
Dilution:	0.5	**Prepared:**	11/11/21
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	11/13/21

VES Thermox-Influent

1K09014-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**3.4**	ug/L	0.50	**1.1**	ppmv	0.16
Ethylbenzene	**1.2**	ug/L	0.50	**0.28**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<1.0	ug/L	2.0	<0.28	ppmv	0.55
Toluene	**1.2**	ug/L	0.50	**0.32**	ppmv	0.13
o-Xylene	**1.0**	ug/L	0.50	**0.23**	ppmv	0.12
m,p-Xylenes	**3.0**	ug/L	1.0	**0.69**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	94.8 %	70-140
Dibromofluoromethane	93.7 %	70-140
Toluene-d8	94.7 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334326
Project No:	04-NDLA-013	**Date Received:**	11/10/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/22/21
Matrix:	Vapor	**Sampled:**	11/10/21
Dilution:	0.5	**Prepared:**	11/11/21
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	11/13/21

VES Thermox-Effluent

1K09014-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.25	ug/L	0.50	<0.078	ppmv	0.16
Ethylbenzene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<1.0	ug/L	2.0	<0.28	ppmv	0.55
Toluene	<0.25	ug/L	0.50	<0.066	ppmv	0.13
o-Xylene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
m,p-Xylenes	<0.50	ug/L	1.0	<0.12	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	100 %	70-140
Dibromofluoromethane	121 %	70-140
Toluene-d8	88.1 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334326
Project No:	04-NDLA-013	**Date Received:**	11/10/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/22/21
Matrix:	Vapor	**Sampled:**	11/10/21
Dilution:	1	**Prepared:**	11/11/21
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	11/11/21

VES Thermox-Influent

1K09014-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**2500**	ug/L	20	**610**	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	114 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334326
Project No:	04-NDLA-013	**Date Received:**	11/10/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/22/21
Matrix:	Vapor	**Sampled:**	11/10/21
Dilution:	1	**Prepared:**	11/11/21
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	11/11/21

VES Thermox-Effluent

1K09014-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	<20	ug/L	20	<4.9	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	104 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334326
Project No:	04-NDLA-013	**Date Received:**	11/10/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/22/21
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	11/10/21	11/10/21	
Date Prepared:	11/11/21	11/11/21	
Date Analyzed:	11/11/21	11/11/21	
AA ID No:	1K09014-01	1K09014-02	
Client ID No:	VES Thermox-Influent	VES Thermox-Effluent	
Matrix:	Vapor	Vapor	
Dilution Factor:	1	1	MRL
VOCs in Vapor as Hexane (EPA 8015M)			
Total VOCs as Hexane	**450**	<4.9	4.9

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334326
Date Received: 11/10/21
Date Reported: 11/22/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B1K1139 - *** DEFAULT PREP ****										
Blank (B1K1139-BLK1)				Prepared: 11/11/21 Analyzed: 11/12/21						
Benzene	<0.50	0.50	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Toluene	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*52.8*		*ug/L*	*50.0*		*106*	*70-140*			
Surrogate: Dibromofluoromethane	*54.7*		*ug/L*	*50.0*		*109*	*70-140*			
Surrogate: Toluene-d8	*46.6*		*ug/L*	*50.0*		*93.1*	*70-140*			
LCS (B1K1139-BS1)				Prepared: 11/11/21 Analyzed: 11/12/21						
Benzene	**18.7**	0.50	ug/L	20.0		93.7	75-125			
Ethylbenzene	**18.6**	0.50	ug/L	20.0		93.2	75-125			
Methyl-tert-Butyl Ether (MTBE)	**46.7**	2.0	ug/L	40.0		117	75-125			
Toluene	**19.0**	0.50	ug/L	20.0		94.8	75-125			
o-Xylene	**19.2**	0.50	ug/L	20.0		96.0	75-125			
m,p-Xylenes	**36.6**	1.0	ug/L	40.0		91.5	75-125			
Surrogate: 4-Bromofluorobenzene	*49.9*		*ug/L*	*50.0*		*99.7*	*70-140*			
Surrogate: Dibromofluoromethane	*50.3*		*ug/L*	*50.0*		*101*	*70-140*			
Surrogate: Toluene-d8	*47.0*		*ug/L*	*50.0*		*93.9*	*70-140*			
LCS Dup (B1K1139-BSD1)				Prepared: 11/11/21 Analyzed: 11/13/21						
Benzene	**18.6**	0.50	ug/L	20.0		93.1	75-125	0.642	30	
Ethylbenzene	**19.0**	0.50	ug/L	20.0		95.2	75-125	2.18	30	
Methyl-tert-Butyl Ether (MTBE)	**49.2**	2.0	ug/L	40.0		123	75-125	5.13	30	
Toluene	**18.6**	0.50	ug/L	20.0		92.8	75-125	2.08	30	
o-Xylene	**19.4**	0.50	ug/L	20.0		97.2	75-125	1.29	30	
m,p-Xylenes	**38.4**	1.0	ug/L	40.0		96.0	75-125	4.78	30	
Surrogate: 4-Bromofluorobenzene	*50.5*		*ug/L*	*50.0*		*101*	*70-140*			
Surrogate: Dibromofluoromethane	*54.1*		*ug/L*	*50.0*		*108*	*70-140*			
Surrogate: Toluene-d8	*46.5*		*ug/L*	*50.0*		*93.0*	*70-140*			
Duplicate (B1K1139-DUP1)				**Source: 1K10013-18** Prepared: 11/11/21 Analyzed: 11/12/21						

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334326
Date Received: 11/10/21
Date Reported: 11/22/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B1K1139 - *** DEFAULT PREP ****										
Duplicate (B1K1139-DUP1) Continued			**Source: 1K10013-18**	Prepared: 11/11/21			Analyzed: 11/12/21			
Benzene	**<0.25**	0.25	ug/L						30	
Ethylbenzene	**<0.25**	0.25	ug/L						30	
Methyl-tert-Butyl Ether (MTBE)	**<1.0**	1.0	ug/L						30	
Toluene	**<0.25**	0.25	ug/L						30	
o-Xylene	**<0.25**	0.25	ug/L						30	
m,p-Xylenes	**<0.50**	0.50	ug/L						30	
Surrogate: 4-Bromofluorobenzene	*50.0*		*ug/L*	*50.0*		*99.9*	*70-140*			
Surrogate: Dibromofluoromethane	*54.0*		*ug/L*	*50.0*		*108*	*70-140*			
Surrogate: Toluene-d8	*46.9*		*ug/L*	*50.0*		*93.9*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B1K1119 - *** DEFAULT PREP ****										
Blank (B1K1119-BLK1)				Prepared & Analyzed: 11/11/21						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*51.8*		*ug/L*	*50.0*		*104*	*70-130*			
LCS (B1K1119-BS1)				Prepared & Analyzed: 11/11/21						
Gasoline Range Organics (GRO)	**518**	20	ug/L	500		104	75-125			
Surrogate: a,a,a-Trifluorotoluene	*59.9*		*ug/L*	*50.0*		*120*	*70-130*			
LCS Dup (B1K1119-BSD1)				Prepared & Analyzed: 11/11/21						
Gasoline Range Organics (GRO)	**507**	20	ug/L	500		101	75-125	2.31	30	
Surrogate: a,a,a-Trifluorotoluene	*60.0*		*ug/L*	*50.0*		*120*	*70-130*			
Duplicate (B1K1119-DUP1)			**Source: 1K09014-01**	Prepared & Analyzed: 11/11/21						
Gasoline Range Organics (GRO)	**2470**	20	ug/L		2480			0.326	30	
Surrogate: a,a,a-Trifluorotoluene	*59.4*		*ug/L*	*50.0*		*119*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B1K1119 - *** DEFAULT PREP ****										
Blank (B1K1119-BLK1)				Prepared & Analyzed: 11/11/21						
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B1K1119-DUP1)			**Source: 1K09014-01**	Prepared & Analyzed: 11/11/21						

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334326
Date Received: 11/10/21
Date Reported: 11/22/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor as Hexane - Quality Control										
*Batch B1K1119 - *** DEFAULT PREP ****										
Duplicate (B1K1119-DUP1) Continued	**Source: 1K09014-01**		Prepared & Analyzed: 11/11/21							
Total VOCs as Hexane	**448**	4.9	ppmv		448			0.0156	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334326
Project No:	04-NDLA-013	**Date Received:**	11/10/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/22/21

Special Notes

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

23672

9765 ETON AVE., CHATSWORTH, CA 91311
Tel: 818-998-5547 FAX: 818-998-7258

Client: The Source Group, Inc.	**Project Name / No.:** DFSP - Norwalk / 091-NOR-001 Task 2-10	**Sampler's Name:** Glenn Androsko	
Project Manager: Neil Irish	**Site Address:** 15306 Norwalk Blvd	**Sampler's Signature:** Glenn Androsko	
Phone: 562-597-1055	**City:** Norwalk	**P.O. No.:**	
Fax: 569-597-1070	**State & Zip:** CA 90650	**Quote No.:**	

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

Please enter the TAT Turnaround Codes ** below

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	Total VOCs Gas 8015	Total VOCs Hexane 8015	BTEX/MTBE 8260B	Special Instructions
VES Thermox-Influent	1K09014-01	11-10-21	1249	Air	1	✓	✓	✓	VOC's reported as
VES Thermox-Effluent	-02	"	1246	Air	1	✓	✓	✓	GRO (detection limit = 4.9 ppmv) and
									VOCs as Hexane
									(detection limit =
									4.9 ppmv)
									Benzene (detection
									limit = 0.15 ppmv)

PRIORITY
Rush SH
Date 11/11/21 Time 0600 Sun

AS334326/1K09014

	Relinquished by	Date	Time	Received by
	Glenn Androsko	11-10-21	3:00	
	Relinquished by	Date	Time	Received by
		11-10-21	1837	
	Relinquished by	Date	Time	Received by

Note: By relinquishing samples to American Analytics, client agrees to pay for the services requested on this chain of custody form and any additional client-requested analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 45 days following the submittal of the sample(s) to American Analytics.

AMERICAN ANALYTICS

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

December 16, 2021

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

Re : DFSP Norwalk VES AQMD / 04-NDLA-013

A5334362 / 1L07010

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 12/07/21 16:42 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334362
Date Received: 12/07/21
Date Reported: 12/16/21

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
VES Thermox-Influent	1L07010-01	Vapor	5	12/06/21 14:36	12/07/21 16:42
VES Thermox-Efffluent	1L07010-02	Vapor	5	12/06/21 14:32	12/07/21 16:42
VOCs Gasoline Range Organics Vapor					
VES Thermox-Influent	1L07010-01	Vapor	5	12/06/21 14:36	12/07/21 16:42
VES Thermox-Efffluent	1L07010-02	Vapor	5	12/06/21 14:32	12/07/21 16:42
VOCs in Vapor as Hexane					
VES Thermox-Influent	1L07010-01	Vapor	5	12/06/21 14:36	12/07/21 16:42
VES Thermox-Efffluent	1L07010-02	Vapor	5	12/06/21 14:32	12/07/21 16:42

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334362
Project No:	04-NDLA-013	**Date Received:**	12/07/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	12/16/21
Matrix:	Vapor	**Sampled:**	12/06/21
Dilution:	0.5	**Prepared:**	12/08/21
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	12/08/21

VES Thermox-Influent

1L07010-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**2.0**	ug/L	0.50	**0.63**	ppmv	0.16
Ethylbenzene	**1.5**	ug/L	0.50	**0.35**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<1.0	ug/L	2.0	<0.28	ppmv	0.55
Toluene	**1.6**	ug/L	0.50	**0.42**	ppmv	0.13
o-Xylene	**1.3**	ug/L	0.50	**0.30**	ppmv	0.12
m,p-Xylenes	**4.3**	ug/L	1.0	**0.99**	ppmv	0.23

Surrogates	%REC		%REC Limits
4-Bromofluorobenzene	69.4 %	S-GC	70-140
Dibromofluoromethane	90.3 %		70-140
Toluene-d8	83.2 %		70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334362
Project No:	04-NDLA-013	**Date Received:**	12/07/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	12/16/21
Matrix:	Vapor	**Sampled:**	12/06/21
Dilution:	0.5	**Prepared:**	12/08/21
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	12/08/21

VES Thermox-Efffluent

1L07010-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.25	ug/L	0.50	<0.078	ppmv	0.16
Ethylbenzene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<1.0	ug/L	2.0	<0.28	ppmv	0.55
Toluene	<0.25	ug/L	0.50	<0.066	ppmv	0.13
o-Xylene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
m,p-Xylenes	<0.50	ug/L	1.0	<0.12	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	72.3 %	70-140
Dibromofluoromethane	87.1 %	70-140
Toluene-d8	78.3 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334362
Project No:	04-NDLA-013	**Date Received:**	12/07/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	12/16/21
Matrix:	Vapor	**Sampled:**	12/06/21
Dilution:	2	**Prepared:**	12/08/21
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	12/08/21

VES Thermox-Influent

1L07010-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**2600**	ug/L	20	**640**	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	113 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334362
Project No:	04-NDLA-013	**Date Received:**	12/07/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	12/16/21
Matrix:	Vapor	**Sampled:**	12/06/21
Dilution:	1	**Prepared:**	12/08/21
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	12/08/21

VES Thermox-Efffluent

1L07010-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	<20	ug/L	20	<4.9	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	104 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334362
Project No:	04-NDLA-013	**Date Received:**	12/07/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	12/16/21
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	12/06/21	12/06/21	
Date Prepared:	12/08/21	12/08/21	
Date Analyzed:	12/08/21	12/08/21	
AA ID No:	1L07010-01	1L07010-02	
Client ID No:	VES Thermox-Influent	VES Thermox-Efffluent	
Matrix:	Vapor	Vapor	
Dilution Factor:	2	1	MRL
VOCs in Vapor as Hexane (EPA 8015M)			
Total VOCs as Hexane	**470**	<4.9	4.9

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334362
Date Received: 12/07/21
Date Reported: 12/16/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B1L0816 - *** DEFAULT PREP ****										
Blank (B1L0816-BLK1)				Prepared & Analyzed: 12/08/21						
Benzene	<0.50	0.50	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Toluene	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*38.5*		*ug/L*	*50.0*		*77.1*	*70-140*			
Surrogate: Dibromofluoromethane	*45.6*		*ug/L*	*50.0*		*91.2*	*70-140*			
Surrogate: Toluene-d8	*40.4*		*ug/L*	*50.0*		*80.8*	*70-140*			
LCS (B1L0816-BS1)				Prepared & Analyzed: 12/08/21						
Benzene	**17.2**	0.50	ug/L	20.0		85.8	75-125			
Ethylbenzene	**17.1**	0.50	ug/L	20.0		85.4	75-125			
Methyl-tert-Butyl Ether (MTBE)	**25.2**	2.0	ug/L	40.0		63.1	75-125			QL-07
Toluene	**18.3**	0.50	ug/L	20.0		91.4	75-125			
o-Xylene	**17.4**	0.50	ug/L	20.0		87.2	75-125			
m,p-Xylenes	**37.0**	1.0	ug/L	40.0		92.6	75-125			
Surrogate: 4-Bromofluorobenzene	*38.9*		*ug/L*	*50.0*		*77.7*	*70-140*			
Surrogate: Dibromofluoromethane	*41.9*		*ug/L*	*50.0*		*83.9*	*70-140*			
Surrogate: Toluene-d8	*41.2*		*ug/L*	*50.0*		*82.3*	*70-140*			
LCS Dup (B1L0816-BSD1)				Prepared & Analyzed: 12/08/21						
Benzene	**16.0**	0.50	ug/L	20.0		80.2	75-125	6.81	30	
Ethylbenzene	**17.1**	0.50	ug/L	20.0		85.4	75-125	0.00	30	
Methyl-tert-Butyl Ether (MTBE)	**24.1**	2.0	ug/L	40.0		60.3	75-125	4.62	30	QL-07
Toluene	**19.0**	0.50	ug/L	20.0		95.0	75-125	3.86	30	
o-Xylene	**17.9**	0.50	ug/L	20.0		89.6	75-125	2.66	30	
m,p-Xylenes	**38.6**	1.0	ug/L	40.0		96.4	75-125	3.99	30	
Surrogate: 4-Bromofluorobenzene	*36.8*		*ug/L*	*50.0*		*73.6*	*70-140*			
Surrogate: Dibromofluoromethane	*37.9*		*ug/L*	*50.0*		*75.9*	*70-140*			
Surrogate: Toluene-d8	*40.1*		*ug/L*	*50.0*		*80.2*	*70-140*			
Duplicate (B1L0816-DUP1)				**Source: 1L07010-01**	Prepared & Analyzed: 12/08/21					

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334362
Date Received: 12/07/21
Date Reported: 12/16/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B1L0816 - *** DEFAULT PREP ****										
Duplicate (B1L0816-DUP1) Continued			**Source: 1L07010-01**	Prepared & Analyzed: 12/08/21						
Benzene	**1.83**	0.25	ug/L		1.95			6.35	30	
Ethylbenzene	**1.46**	0.25	ug/L		1.50			2.69	30	
Methyl-tert-Butyl Ether (MTBE)	**<1.0**	1.0	ug/L		<1.0				30	
Toluene	**1.66**	0.25	ug/L		1.60			3.37	30	
o-Xylene	**1.28**	0.25	ug/L		1.27			1.17	30	
m,p-Xylenes	**4.40**	0.50	ug/L		4.34			1.37	30	
Surrogate: 4-Bromofluorobenzene	*34.2*		*ug/L*	*50.0*		*68.3*	*70-140*			*S-GC*
Surrogate: Dibromofluoromethane	*42.7*		*ug/L*	*50.0*		*85.5*	*70-140*			
Surrogate: Toluene-d8	*41.4*		*ug/L*	*50.0*		*82.7*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B1L0812 - *** DEFAULT PREP ****										
Blank (B1L0812-BLK1)				Prepared & Analyzed: 12/08/21						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*45.9*		*ug/L*	*50.0*		*91.8*	*70-130*			
LCS (B1L0812-BS1)				Prepared & Analyzed: 12/08/21						
Gasoline Range Organics (GRO)	**480**	20	ug/L	500		96.0	75-125			
Surrogate: a,a,a-Trifluorotoluene	*56.8*		*ug/L*	*50.0*		*114*	*70-130*			
LCS Dup (B1L0812-BSD1)				Prepared & Analyzed: 12/08/21						
Gasoline Range Organics (GRO)	**539**	20	ug/L	500		108	75-125	11.5	30	
Surrogate: a,a,a-Trifluorotoluene	*61.1*		*ug/L*	*50.0*		*122*	*70-130*			
Duplicate (B1L0812-DUP1)			**Source: 1L07010-01**	Prepared & Analyzed: 12/08/21						
Gasoline Range Organics (GRO)	**2330**	20	ug/L		2630			11.9	30	
Surrogate: a,a,a-Trifluorotoluene	*53.0*		*ug/L*	*50.0*		*106*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B1L0812 - *** DEFAULT PREP ****										
Blank (B1L0812-BLK1)				Prepared & Analyzed: 12/08/21						
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B1L0812-DUP1)			**Source: 1L07010-01**	Prepared & Analyzed: 12/08/21						

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334362
Date Received: 12/07/21
Date Reported: 12/16/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor as Hexane - Quality Control										
*Batch B1L0812 - *** DEFAULT PREP ****										
Duplicate (B1L0812-DUP1) Continued	**Source: 1L07010-01**		Prepared & Analyzed: 12/08/21							
Total VOCs as Hexane	**422**	4.9	ppmv		475			11.9	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334362
Project No:	04-NDLA-013	**Date Received:**	12/07/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	12/16/21

Special Notes

[1] = **QL-07** : The recovery for this analyte in the LCS and LCSD is marginally below the lower control limit, therefore the reported concentration for this analyte may be biased low.

[2] = **S-GC** : Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate(s).

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

23824

9765 ETON AVE., CHATSWORTH, CA 91311
Tel: 818-998-5547 FAX: 818-998-7258

Client: The Source Group, Inc.	**Project Name / No.:** DFSP - Norwalk / 091-NDLA	**Sampler's Name:** Glenn Androsko	
Project Manager: Neil Irish	**Site Address:** 15306 Norwalk Blvd	**Sampler's Signature:**	
Phone: 562-597-1055	**City:** Norwalk	**P.O. No.:**	
Fax: 569-597-1070	**State & Zip:** CA 90650	**Quote No.:**	

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

Client I.D.	AA I.D.	Date	Time	Sample Matrix	No. of Cont	Total VOCs Gas 8015	Total VOCs Hexane 8015	BTEX/MTBE 8260B	Special Instructions
						Please enter the TAT Turnaround Codes ** below			
VES Thermox-Influent	L207010 -01	12-6-21	1436	Air	1	✓	✓	✓	*VOC's reported as GRO (detection limit = 4.9 ppmv) and *VOCs as Hexane (detection limit = 4.9 ppmv) *Benzene (detection limit = 1 ppmv) *Ethyl benzene DL = 1 ppmv) *MTBE (detection limit = 2 ppmv)
VES Thermox-Effluent	-02	"	1432	Air	1	✓	✓	✓	

PRIORITY ✓ SH
Rush Hrs
Date 12/8/21 Time 0945 Sign

A5334362/L207010

Relinquished by	Date	Time	Received by
	12-7-21	1:30	
Relinquished by	Date	Time	Received by
	12.7.21	1642	
Relinquished by	Date	Time	Received by

Note: By relinquishing samples to American Analytics, client agrees to pay for the services requested on this chain of custody form and any additional client-requested analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 45 days following the submittal of the sample(s) to American Analytics.

AMERICAN ANALYTICS

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

October 27, 2021

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

Re : DFSP Norwalk VES AQMD / 04-NDLA-013

A5334290 / 1J19008

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 10/19/21 13:39 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334290
Date Received: 10/19/21
Date Reported: 10/27/21

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
HW-1	1J19008-01	Vapor	5	10/18/21 14:31	10/19/21 13:39
HW-5	1J19008-02	Vapor	5	10/18/21 14:35	10/19/21 13:39
HW-7	1J19008-03	Vapor	5	10/18/21 14:38	10/19/21 13:39
HW-9	1J19008-04	Vapor	5	10/18/21 14:43	10/19/21 13:39
VOCs Gasoline Range Organics Vapor					
HW-1	1J19008-01	Vapor	5	10/18/21 14:31	10/19/21 13:39
HW-5	1J19008-02	Vapor	5	10/18/21 14:35	10/19/21 13:39
HW-7	1J19008-03	Vapor	5	10/18/21 14:38	10/19/21 13:39
HW-9	1J19008-04	Vapor	5	10/18/21 14:43	10/19/21 13:39
VOCs in Vapor as Hexane					
HW-1	1J19008-01	Vapor	5	10/18/21 14:31	10/19/21 13:39
HW-5	1J19008-02	Vapor	5	10/18/21 14:35	10/19/21 13:39
HW-7	1J19008-03	Vapor	5	10/18/21 14:38	10/19/21 13:39
HW-9	1J19008-04	Vapor	5	10/18/21 14:43	10/19/21 13:39

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334290
Project No:	04-NDLA-013	**Date Received:**	10/19/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/27/21
Matrix:	Vapor	**Sampled:**	10/18/21
Dilution:	0.5	**Prepared:**	10/20/21
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	10/20/21

HW-1

1J19008-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.25	ug/L	0.50	<0.078	ppmv	0.16
Ethylbenzene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<1.0	ug/L	2.0	<0.28	ppmv	0.55
Toluene	<0.25	ug/L	0.50	<0.066	ppmv	0.13
o-Xylene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
m,p-Xylenes	<0.50	ug/L	1.0	<0.12	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	88.3 %	70-140
Dibromofluoromethane	108 %	70-140
Toluene-d8	93.8 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334290
Project No:	04-NDLA-013	**Date Received:**	10/19/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/27/21
Matrix:	Vapor	**Sampled:**	10/18/21
Dilution:	0.5	**Prepared:**	10/20/21
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	10/20/21

HW-5

1J19008-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.25	ug/L	0.50	<0.078	ppmv	0.16
Ethylbenzene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<1.0	ug/L	2.0	<0.28	ppmv	0.55
Toluene	<0.25	ug/L	0.50	<0.066	ppmv	0.13
o-Xylene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
m,p-Xylenes	<0.50	ug/L	1.0	<0.12	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	89.9 %	70-140
Dibromofluoromethane	104 %	70-140
Toluene-d8	94.6 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334290
Project No:	04-NDLA-013	**Date Received:**	10/19/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/27/21
Matrix:	Vapor	**Sampled:**	10/18/21
Dilution:	0.5	**Prepared:**	10/20/21
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	10/21/21

HW-7

1J19008-03 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.25	ug/L	0.50	<0.078	ppmv	0.16
Ethylbenzene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<1.0	ug/L	2.0	<0.28	ppmv	0.55
Toluene	<0.25	ug/L	0.50	<0.066	ppmv	0.13
o-Xylene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
m,p-Xylenes	<0.50	ug/L	1.0	<0.12	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	89.6 %	70-140
Dibromofluoromethane	106 %	70-140
Toluene-d8	95.0 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334290
Project No:	04-NDLA-013	**Date Received:**	10/19/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/27/21
Matrix:	Vapor	**Sampled:**	10/18/21
Dilution:	0.5	**Prepared:**	10/20/21
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	10/21/21

HW-9

1J19008-04 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.25	ug/L	0.50	<0.078	ppmv	0.16
Ethylbenzene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<1.0	ug/L	2.0	<0.28	ppmv	0.55
Toluene	<0.25	ug/L	0.50	<0.066	ppmv	0.13
o-Xylene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
m,p-Xylenes	**0.53**	ug/L	1.0	**0.12**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	85.1 %	70-140
Dibromofluoromethane	107 %	70-140
Toluene-d8	94.8 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334290
Project No:	04-NDLA-013	**Date Received:**	10/19/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/27/21
Matrix:	Vapor	**Sampled:**	10/18/21
Dilution:	1	**Prepared:**	10/20/21
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	10/20/21

HW-1

1J19008-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**58**	ug/L	20	**14**	ppmv	4.9

Surrogates	**%REC**	**%REC Limits**
a,a,a-Trifluorotoluene	97.5 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334290
Project No:	04-NDLA-013	**Date Received:**	10/19/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/27/21
Matrix:	Vapor	**Sampled:**	10/18/21
Dilution:	1	**Prepared:**	10/20/21
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	10/20/21

HW-5

1J19008-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	<20	ug/L	20	<4.9	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	97.3 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334290
Project No:	04-NDLA-013	**Date Received:**	10/19/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/27/21
Matrix:	Vapor	**Sampled:**	10/18/21
Dilution:	1	**Prepared:**	10/20/21
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	10/20/21

HW-7

1J19008-03 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**120**	ug/L	20	**29**	ppmv	4.9

Surrogates	**%REC**	**%REC Limits**
a,a,a-Trifluorotoluene	107 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334290
Project No:	04-NDLA-013	**Date Received:**	10/19/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/27/21
Matrix:	Vapor	**Sampled:**	10/18/21
Dilution:	1	**Prepared:**	10/20/21
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	10/20/21

HW-9

1J19008-04 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**740**	ug/L	20	**180**	ppmv	4.9

Surrogates	**%REC**	**%REC Limits**
a,a,a-Trifluorotoluene	111 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk VES AQMD
Method: VOCs in Vapor as Hexane

AA Project No: A5334290
Date Received: 10/19/21
Date Reported: 10/27/21
Units: ppmv

Date Sampled:	10/18/21	10/18/21	10/18/21	10/18/21	
Date Prepared:	10/20/21	10/20/21	10/20/21	10/20/21	
Date Analyzed:	10/20/21	10/20/21	10/20/21	10/20/21	
AA ID No:	1J19008-01	1J19008-02	1J19008-03	1J19008-04	
Client ID No:	HW-1	HW-5	HW-7	HW-9	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	1	1	1	1	MRL
VOCs in Vapor as Hexane (EPA 8015M)					
Total VOCs as Hexane	**11**	<4.9	**22**	**130**	4.9

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334290
Date Received: 10/19/21
Date Reported: 10/27/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B1J2022 - *** DEFAULT PREP ****										
Blank (B1J2022-BLK1)				Prepared & Analyzed: 10/20/21						
Benzene	<0.50	0.50	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Toluene	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*44.5*		*ug/L*	*50.0*		*89.0*	*70-140*			
Surrogate: Dibromofluoromethane	*52.5*		*ug/L*	*50.0*		*105*	*70-140*			
Surrogate: Toluene-d8	*47.2*		*ug/L*	*50.0*		*94.4*	*70-140*			
LCS (B1J2022-BS1)				Prepared: 10/20/21 Analyzed: 10/21/21						
Benzene	**17.0**	0.50	ug/L	20.0		85.0	75-125			
Ethylbenzene	**21.9**	0.50	ug/L	20.0		110	75-125			
Methyl-tert-Butyl Ether (MTBE)	**35.2**	2.0	ug/L	40.0		88.1	75-125			
Toluene	**20.7**	0.50	ug/L	20.0		104	75-125			
o-Xylene	**22.3**	0.50	ug/L	20.0		112	75-125			
m,p-Xylenes	**44.1**	1.0	ug/L	40.0		110	75-125			
Surrogate: 4-Bromofluorobenzene	*43.1*		*ug/L*	*50.0*		*86.2*	*70-140*			
Surrogate: Dibromofluoromethane	*48.1*		*ug/L*	*50.0*		*96.2*	*70-140*			
Surrogate: Toluene-d8	*46.2*		*ug/L*	*50.0*		*92.3*	*70-140*			
LCS Dup (B1J2022-BSD1)				Prepared & Analyzed: 10/20/21						
Benzene	**16.6**	0.50	ug/L	20.0		83.2	75-125	2.08	30	
Ethylbenzene	**21.3**	0.50	ug/L	20.0		107	75-125	2.64	30	
Methyl-tert-Butyl Ether (MTBE)	**41.2**	2.0	ug/L	40.0		103	75-125	15.6	30	
Toluene	**20.2**	0.50	ug/L	20.0		101	75-125	2.44	30	
o-Xylene	**21.8**	0.50	ug/L	20.0		109	75-125	2.45	30	
m,p-Xylenes	**43.2**	1.0	ug/L	40.0		108	75-125	2.25	30	
Surrogate: 4-Bromofluorobenzene	*42.9*		*ug/L*	*50.0*		*85.9*	*70-140*			
Surrogate: Dibromofluoromethane	*49.0*		*ug/L*	*50.0*		*98.0*	*70-140*			
Surrogate: Toluene-d8	*46.6*		*ug/L*	*50.0*		*93.3*	*70-140*			
Duplicate (B1J2022-DUP1)				**Source: 1J19005-01** Prepared & Analyzed: 10/20/21						

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334290
Date Received: 10/19/21
Date Reported: 10/27/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B1J2022 - *** DEFAULT PREP ****										
Duplicate (B1J2022-DUP1) Continued			**Source: 1J19005-01**	Prepared & Analyzed: 10/20/21						
Benzene	**<0.25**	0.25	ug/L						30	
Ethylbenzene	**<0.25**	0.25	ug/L						30	
Methyl-tert-Butyl Ether (MTBE)	**<1.0**	1.0	ug/L		0.310				30	
Toluene	**<0.25**	0.25	ug/L						30	
o-Xylene	**<0.25**	0.25	ug/L						30	
m,p-Xylenes	**<0.50**	0.50	ug/L						30	
Surrogate: 4-Bromofluorobenzene	*44.2*		*ug/L*	*50.0*		*88.3*	*70-140*			
Surrogate: Dibromofluoromethane	*52.4*		*ug/L*	*50.0*		*105*	*70-140*			
Surrogate: Toluene-d8	*46.8*		*ug/L*	*50.0*		*93.5*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B1J2017 - *** DEFAULT PREP ****										
Blank (B1J2017-BLK1)				Prepared & Analyzed: 10/20/21						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*49.5*		*ug/L*	*50.0*		*98.9*	*70-130*			
LCS (B1J2017-BS1)				Prepared & Analyzed: 10/20/21						
Gasoline Range Organics (GRO)	**426**	20	ug/L	500		85.2	75-125			
Surrogate: a,a,a-Trifluorotoluene	*50.7*		*ug/L*	*50.0*		*101*	*70-130*			
LCS Dup (B1J2017-BSD1)				Prepared & Analyzed: 10/20/21						
Gasoline Range Organics (GRO)	**462**	20	ug/L	500		92.4	75-125	8.10	30	
Surrogate: a,a,a-Trifluorotoluene	*55.5*		*ug/L*	*50.0*		*111*	*70-130*			
Duplicate (B1J2017-DUP1)			**Source: 1J19008-04**	Prepared & Analyzed: 10/20/21						
Gasoline Range Organics (GRO)	**733**	20	ug/L		736			0.433	30	
Surrogate: a,a,a-Trifluorotoluene	*54.7*		*ug/L*	*50.0*		*109*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B1J2017 - *** DEFAULT PREP ****										
Blank (B1J2017-BLK1)				Prepared & Analyzed: 10/20/21						
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B1J2017-DUP1)			**Source: 1J19008-04**	Prepared & Analyzed: 10/20/21						

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334290
Date Received: 10/19/21
Date Reported: 10/27/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor as Hexane - Quality Control										
*Batch B1J2017 - *** DEFAULT PREP ****										
Duplicate (B1J2017-DUP1) Continued		**Source: 1J19008-04**		Prepared & Analyzed: 10/20/21						
Total VOCs as Hexane	**133**	4.9	ppmv		134			0.593	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334290
Project No:	04-NDLA-013	**Date Received:**	10/19/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/27/21

Special Notes

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

23521

9765 ETON AVE., CHATSWORTH, CA 91311
Tel: 818-998-5547 FAX: 818-998-7258

Client:	The Source Group, Inc.	**Project Name / No.:**	DFSP - Norwalk / 091-NOR-001 Task 2	**Sampler's Name:**	Glenn Androsko
Project Manager:	Neil Irish	**Site Address:**	15306 Norwalk Blvd	**Sampler's Signature:**	Glenn Androsko
Phone:	562-597-1055	**City:**	Norwalk	**P.O. No.:**	
Fax:	569-597-1070	**State & Zip:**	CA 90650	**Quote No.:**	

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	Total VOCs Gas 8015	Total VOCs Hexane 8015	BTEX/MTBE 8260B	Special Instructions
						Please enter the TAT Turnaround Codes ** below			
HW-1	1519058-01	10-18-21	1431	Air	1	✓	✓	✓	VOC's reported as GRO (detection limit = 4.9 ppmv) and VOCs as Hexane (detection limit = 4.9 ppmv) Benzene (detection limit = 0.15 ppmv)
HW-5	-02	↓	1435	Air	1	✓	✓	✓	
HW-7	-03		1438	Air	1	✓	✓	✓	
HW-9	-04	↓	1443	Air	1	✓	✓	✓	

PRIORITY Rush Date 10/19/21 Time 1330 SH

A53342 90/1519005

Relinquished by	Date	Time	Received by
Glenn Androsko	10-19-21	9:45	
Relinquished by	10-19-21 Date	Time 1339	Received by
Relinquished by	Date	Time	Received by

Note: By relinquishing samples to American Analytics, client agrees to pay for the services requested on this chain of custody form and any additional client-requested analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 45 days following the submittal of the sample(s) to American Analytics.

AMERICAN ANALYTICS

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

October 27, 2021

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

Re : DFSP Norwalk VES AQMD / 04-NDLA-013

A5334291 / 1J19009

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 10/19/21 13:39 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334291
Date Received: 10/19/21
Date Reported: 10/27/21

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
Trunkline#1(East)	1J19009-01	Vapor	5	10/18/21 15:08	10/19/21 13:39
Trunkline#2(South)	1J19009-02	Vapor	5	10/18/21 15:03	10/19/21 13:39
Trunkline#3(Central S)	1J19009-03	Vapor	5	10/18/21 15:17	10/19/21 13:39
Trunkline#4(Central E)	1J19009-04	Vapor	5	10/18/21 15:19	10/19/21 13:39
Trunkline#5(Central W)	1J19009-05	Vapor	5	10/18/21 15:12	10/19/21 13:39
VOCs Gasoline Range Organics Vapor					
Trunkline#1(East)	1J19009-01	Vapor	5	10/18/21 15:08	10/19/21 13:39
Trunkline#2(South)	1J19009-02	Vapor	5	10/18/21 15:03	10/19/21 13:39
Trunkline#3(Central S)	1J19009-03	Vapor	5	10/18/21 15:17	10/19/21 13:39
Trunkline#4(Central E)	1J19009-04	Vapor	5	10/18/21 15:19	10/19/21 13:39
Trunkline#5(Central W)	1J19009-05	Vapor	5	10/18/21 15:12	10/19/21 13:39
VOCs in Vapor as Hexane					
Trunkline#1(East)	1J19009-01	Vapor	5	10/18/21 15:08	10/19/21 13:39
Trunkline#2(South)	1J19009-02	Vapor	5	10/18/21 15:03	10/19/21 13:39
Trunkline#3(Central S)	1J19009-03	Vapor	5	10/18/21 15:17	10/19/21 13:39
Trunkline#4(Central E)	1J19009-04	Vapor	5	10/18/21 15:19	10/19/21 13:39
Trunkline#5(Central W)	1J19009-05	Vapor	5	10/18/21 15:12	10/19/21 13:39

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334291
Project No:	04-NDLA-013	**Date Received:**	10/19/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/27/21
Matrix:	Vapor	**Sampled:**	10/18/21
Dilution:	0.5	**Prepared:**	10/21/21
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	10/21/21

Trunkline#1(East)

1J19009-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**0.78**	ug/L	0.50	**0.24**	ppmv	0.16
Ethylbenzene	**0.82**	ug/L	0.50	**0.19**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<1.0	ug/L	2.0	<0.28	ppmv	0.55
Toluene	**0.58**	ug/L	0.50	**0.15**	ppmv	0.13
o-Xylene	**0.75**	ug/L	0.50	**0.17**	ppmv	0.12
m,p-Xylenes	**2.3**	ug/L	1.0	**0.53**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	77.6 %	70-140
Dibromofluoromethane	114 %	70-140
Toluene-d8	94.5 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334291
Project No:	04-NDLA-013	**Date Received:**	10/19/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/27/21
Matrix:	Vapor	**Sampled:**	10/18/21
Dilution:	0.5	**Prepared:**	10/21/21
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	10/21/21

Trunkline#2(South)

1J19009-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.25	ug/L	0.50	<0.078	ppmv	0.16
Ethylbenzene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<1.0	ug/L	2.0	<0.28	ppmv	0.55
Toluene	<0.25	ug/L	0.50	<0.066	ppmv	0.13
o-Xylene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
m,p-Xylenes	<0.50	ug/L	1.0	<0.12	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	84.8 %	70-140
Dibromofluoromethane	108 %	70-140
Toluene-d8	95.0 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334291
Project No:	04-NDLA-013	**Date Received:**	10/19/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/27/21
Matrix:	Vapor	**Sampled:**	10/18/21
Dilution:	0.5	**Prepared:**	10/21/21
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	10/21/21

Trunkline#3(Central S)

1J19009-03 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**5.3**	ug/L	0.50	**1.7**	ppmv	0.16
Ethylbenzene	**2.8**	ug/L	0.50	**0.64**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<1.0	ug/L	2.0	<0.28	ppmv	0.55
Toluene	**0.46**	ug/L	0.50	**0.12**	ppmv	0.13
o-Xylene	**2.0**	ug/L	0.50	**0.46**	ppmv	0.12
m,p-Xylenes	**8.0**	ug/L	1.0	**1.8**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	78.5 %	70-140
Dibromofluoromethane	108 %	70-140
Toluene-d8	93.5 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334291
Project No:	04-NDLA-013	**Date Received:**	10/19/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/27/21
Matrix:	Vapor	**Sampled:**	10/18/21
Dilution:	0.5	**Prepared:**	10/21/21
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	10/21/21

Trunkline#4(Central E)

1J19009-04 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**6.8**	ug/L	0.50	**2.1**	ppmv	0.16
Ethylbenzene	**4.3**	ug/L	0.50	**0.99**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<1.0	ug/L	2.0	<0.28	ppmv	0.55
Toluene	**9.1**	ug/L	0.50	**2.4**	ppmv	0.13
o-Xylene	**6.0**	ug/L	0.50	**1.4**	ppmv	0.12
m,p-Xylenes	**15**	ug/L	1.0	**3.5**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	76.9 %	70-140
Dibromofluoromethane	104 %	70-140
Toluene-d8	92.5 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334291
Project No:	04-NDLA-013	**Date Received:**	10/19/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/27/21
Matrix:	Vapor	**Sampled:**	10/18/21
Dilution:	0.5	**Prepared:**	10/21/21
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	10/21/21

Trunkline#5(Central W)

1J19009-05 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**0.63**	ug/L	0.50	**0.20**	ppmv	0.16
Ethylbenzene	**1.3**	ug/L	0.50	**0.30**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<1.0	ug/L	2.0	<0.28	ppmv	0.55
Toluene	<0.25	ug/L	0.50	<0.066	ppmv	0.13
o-Xylene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
m,p-Xylenes	<0.50	ug/L	1.0	<0.12	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	79.8 %	70-140
Dibromofluoromethane	107 %	70-140
Toluene-d8	94.4 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334291
Project No:	04-NDLA-013	**Date Received:**	10/19/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/27/21
Matrix:	Vapor	**Sampled:**	10/18/21
Dilution:	1	**Prepared:**	10/20/21
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	10/20/21

Trunkline#1(East)

1J19009-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**1200**	ug/L	20	**290**	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	96.6 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334291
Project No:	04-NDLA-013	**Date Received:**	10/19/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/27/21
Matrix:	Vapor	**Sampled:**	10/18/21
Dilution:	1	**Prepared:**	10/20/21
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	10/20/21

Trunkline#2(South)

1J19009-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**580**	ug/L	20	**140**	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	116 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334291
Project No:	04-NDLA-013	**Date Received:**	10/19/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/27/21
Matrix:	Vapor	**Sampled:**	10/18/21
Dilution:	1	**Prepared:**	10/21/21
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	10/21/21

Trunkline#3(Central S)

1J19009-03 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**3400**	ug/L	20	**830**	ppmv	4.9

Surrogates	**%REC**	**%REC Limits**
a,a,a-Trifluorotoluene	101 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334291
Project No:	04-NDLA-013	**Date Received:**	10/19/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/27/21
Matrix:	Vapor	**Sampled:**	10/18/21
Dilution:	1	**Prepared:**	10/21/21
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	10/21/21

Trunkline#4(Central E)

1J19009-04 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**4300**	ug/L	20	**1100**	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	118 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334291
Project No:	04-NDLA-013	**Date Received:**	10/19/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/27/21
Matrix:	Vapor	**Sampled:**	10/18/21
Dilution:	1	**Prepared:**	10/20/21
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	10/20/21

Trunkline#5(Central W)

1J19009-05 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**1300**	ug/L	20	**320**	ppmv	4.9

Surrogates	**%REC**	**%REC Limits**
a,a,a-Trifluorotoluene	96.1 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334291
Project No:	04-NDLA-013	**Date Received:**	10/19/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/27/21
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	10/18/21	10/18/21	10/18/21	10/18/21	
Date Prepared:	10/20/21	10/20/21	10/21/21	10/21/21	
Date Analyzed:	10/20/21	10/20/21	10/21/21	10/21/21	
AA ID No:	1J19009-01	1J19009-02	1J19009-03	1J19009-04	
Client ID No:	Trunkline#1(East)	Trunkline#2(South)	Trunkline#3(Central S)	Trunkline#4(Central E)	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	1	1	1	1	MRL
VOCs in Vapor as Hexane (EPA 8015M)					
Total VOCs as Hexane	**220**	**110**	**610**	**770**	4.9

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334291
Project No:	04-NDLA-013	**Date Received:**	10/19/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/27/21
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	10/18/21	
Date Prepared:	10/20/21	
Date Analyzed:	10/20/21	
AA ID No:	1J19009-05	
Client ID No:	Trunkline#5(Central W)	
Matrix:	Vapor	
Dilution Factor:	1	MRL

VOCs in Vapor as Hexane (EPA 8015M)

Total VOCs as Hexane	**230**	4.9

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334291
Date Received: 10/19/21
Date Reported: 10/27/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B1J2117 - *** DEFAULT PREP ****										
Blank (B1J2117-BLK1)				Prepared & Analyzed: 10/21/21						
Benzene	<0.50	0.50	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Toluene	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*43.8*		*ug/L*	*50.0*		*87.6*	*70-140*			
Surrogate: Dibromofluoromethane	*52.4*		*ug/L*	*50.0*		*105*	*70-140*			
Surrogate: Toluene-d8	*46.9*		*ug/L*	*50.0*		*93.8*	*70-140*			
LCS (B1J2117-BS1)				Prepared & Analyzed: 10/21/21						
Benzene	**15.4**	0.50	ug/L	20.0		76.8	75-125			
Ethylbenzene	**21.0**	0.50	ug/L	20.0		105	75-125			
Methyl-tert-Butyl Ether (MTBE)	**32.2**	2.0	ug/L	40.0		80.4	75-125			
Toluene	**19.9**	0.50	ug/L	20.0		99.4	75-125			
o-Xylene	**21.2**	0.50	ug/L	20.0		106	75-125			
m,p-Xylenes	**42.6**	1.0	ug/L	40.0		106	75-125			
Surrogate: 4-Bromofluorobenzene	*42.5*		*ug/L*	*50.0*		*85.1*	*70-140*			
Surrogate: Dibromofluoromethane	*47.4*		*ug/L*	*50.0*		*94.8*	*70-140*			
Surrogate: Toluene-d8	*46.8*		*ug/L*	*50.0*		*93.5*	*70-140*			
LCS Dup (B1J2117-BSD1)				Prepared & Analyzed: 10/21/21						
Benzene	**17.1**	0.50	ug/L	20.0		85.4	75-125	10.6	30	
Ethylbenzene	**22.1**	0.50	ug/L	20.0		110	75-125	4.87	30	
Methyl-tert-Butyl Ether (MTBE)	**41.4**	2.0	ug/L	40.0		103	75-125	25.1	30	
Toluene	**21.7**	0.50	ug/L	20.0		108	75-125	8.70	30	
o-Xylene	**23.2**	0.50	ug/L	20.0		116	75-125	8.56	30	
m,p-Xylenes	**45.9**	1.0	ug/L	40.0		115	75-125	7.59	30	
Surrogate: 4-Bromofluorobenzene	*42.1*		*ug/L*	*50.0*		*84.2*	*70-140*			
Surrogate: Dibromofluoromethane	*49.4*		*ug/L*	*50.0*		*98.9*	*70-140*			
Surrogate: Toluene-d8	*45.9*		*ug/L*	*50.0*		*91.8*	*70-140*			
Duplicate (B1J2117-DUP1)				**Source: 1J19009-01**	Prepared & Analyzed: 10/21/21					

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334291
Date Received: 10/19/21
Date Reported: 10/27/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B1J2117 - *** DEFAULT PREP ****										
Duplicate (B1J2117-DUP1) Continued				**Source: 1J19009-01**		Prepared & Analyzed: 10/21/21				
Benzene	**0.780**	0.25	ug/L		0.785			0.639	30	
Ethylbenzene	**0.865**	0.25	ug/L		0.820			5.34	30	
Methyl-tert-Butyl Ether (MTBE)	**<1.0**	1.0	ug/L		<1.0				30	
Toluene	**0.595**	0.25	ug/L		0.575			3.42	30	
o-Xylene	**0.820**	0.25	ug/L		0.750			8.92	30	
m,p-Xylenes	**2.42**	0.50	ug/L		2.26			6.41	30	
Surrogate: 4-Bromofluorobenzene	*39.2*		*ug/L*	*50.0*		*78.4*	*70-140*			
Surrogate: Dibromofluoromethane	*56.3*		*ug/L*	*50.0*		*113*	*70-140*			
Surrogate: Toluene-d8	*46.2*		*ug/L*	*50.0*		*92.5*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B1J2017 - *** DEFAULT PREP ****										
Blank (B1J2017-BLK1)					Prepared & Analyzed: 10/20/21					
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*49.5*		*ug/L*	*50.0*		*98.9*	*70-130*			
LCS (B1J2017-BS1)					Prepared & Analyzed: 10/20/21					
Gasoline Range Organics (GRO)	**426**	20	ug/L	500		85.2	75-125			
Surrogate: a,a,a-Trifluorotoluene	*50.7*		*ug/L*	*50.0*		*101*	*70-130*			
LCS Dup (B1J2017-BSD1)					Prepared & Analyzed: 10/20/21					
Gasoline Range Organics (GRO)	**462**	20	ug/L	500		92.4	75-125	8.10	30	
Surrogate: a,a,a-Trifluorotoluene	*55.5*		*ug/L*	*50.0*		*111*	*70-130*			
Duplicate (B1J2017-DUP1)				**Source: 1J19008-04**		Prepared & Analyzed: 10/20/21				
Gasoline Range Organics (GRO)	**733**	20	ug/L		736			0.433	30	
Surrogate: a,a,a-Trifluorotoluene	*54.7*		*ug/L*	*50.0*		*109*	*70-130*			
*Batch B1J2130 - *** DEFAULT PREP ****										
Blank (B1J2130-BLK1)					Prepared & Analyzed: 10/21/21					
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*49.2*		*ug/L*	*50.0*		*98.4*	*70-130*			
LCS (B1J2130-BS1)					Prepared & Analyzed: 10/21/21					

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334291
Date Received: 10/19/21
Date Reported: 10/27/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B1J2130 - *** DEFAULT PREP ****										
LCS (B1J2130-BS1) Continued				Prepared & Analyzed: 10/21/21						
Gasoline Range Organics (GRO)	**448**	20	ug/L	500		89.6	75-125			
Surrogate: a,a,a-Trifluorotoluene	*54.1*		*ug/L*	*50.0*		*108*	*70-130*			
LCS Dup (B1J2130-BSD1)				Prepared & Analyzed: 10/21/21						
Gasoline Range Organics (GRO)	**506**	20	ug/L	500		101	75-125	12.2	30	
Surrogate: a,a,a-Trifluorotoluene	*56.3*		*ug/L*	*50.0*		*113*	*70-130*			
Duplicate (B1J2130-DUP1)		**Source: 1J21015-11**		Prepared & Analyzed: 10/21/21						
Gasoline Range Organics (GRO)	**337**	20	ug/L		320			5.23	30	
Surrogate: a,a,a-Trifluorotoluene	*58.1*		*ug/L*	*50.0*		*116*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B1J2017 - *** DEFAULT PREP ****										
Blank (B1J2017-BLK1)				Prepared & Analyzed: 10/20/21						
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B1J2017-DUP1)		**Source: 1J19008-04**		Prepared & Analyzed: 10/20/21						
Total VOCs as Hexane	**133**	4.9	ppmv		134			0.593	30	
*Batch B1J2130 - *** DEFAULT PREP ****										
Blank (B1J2130-BLK1)				Prepared & Analyzed: 10/21/21						
Total VOCs as Hexane	<4.9	4.9	ppmv							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334291
Project No:	04-NDLA-013	**Date Received:**	10/19/21
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/27/21

Special Notes

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

23522

9765 ETON AVE., CHATSWORTH, CA 91311
Tel: 818-998-5547 FAX: 818-998-7258

Page 1 of 1

Client: The Source Group, Inc.	**Project Name / No.:** DFSP - Norwalk / 091-NDLA	**Sampler's Name:** Glenn Androsko	
Project Manager: Neil Irish	**Site Address:** 15306 Norwalk Blvd	**Sampler's Signature:** Glenn Andrusko	
Phone: 562-597-1055	**City:** Norwalk	**P.O. No.:**	
Fax: 569-597-1070	**State & Zip:** CA 90650	**Quote No.:**	

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name) — Please enter the TAT Turnaround Codes ** below

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	Total VOCs Gas 8015	Total VOCs Hexane 8015	BTEX/MTBE 8260B	Special Instructions
Trunkline#1 (East)	1579009 -01	10-18-21	1508	Air	1	✓	✓	✓	VOC's reported as
Trunkline#2 (South)	-02	↓	1503	Air	1	✓	✓	✓	GRO (detection limit
Trunkline#3 (Central S)	-03	↓	1517	Air	1	✓	✓	✓	=4.9 ppmv) and
Trunkline#4 (Central E)	-04	↓	1519	Air	1	✓	✓	✓	VOCs as Hexane
Trunkline#5 (Central W)	-05	↓	1512	Air	1	✓	✓	✓	(detection limit =
									4.9 ppmv)
									Benzene (detection
									limit = 0.15 ppmv)

PRIORITY ✓ SH
Rush Hrs
Date 10/19/21 Time 1530

A5334291/1579009

Relinquished by	Date	Time	Received by
Glenn Andrusko	10-19-21	9:45	[signature]
[signature]	10-19-21	1330	[signature]

Note: By relinquishing samples to American Analytics, client agrees to pay for the services requested on this chain of custody form and any additional client-requested analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 45 days following the submittal of the sample(s) to American Analytics.

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 452296
Report Level: II
Report Date: 11/03/2021

Analytical Report *prepared for:*

Imelda Morales
APEX - Signal Hill
1962 Freeman Avenue
Signal Hill, CA 90755

Project: PERMIT #22453_WW - WW

Authorized for release by:

Diane Galvan, Project Manager
714-771-9928
diane.galvan@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member

ENTHALPY ANALYTICAL

Sample Summary

Imelda Morales
APEX - Signal Hill
1962 Freeman Avenue
Signal Hill, CA 90755

Lab Job #:	452296
Project No:	PERMIT #22453_WW
Location:	WW
Date Received:	10/20/21

Sample ID	Lab ID	Collected	Matrix
SURGE TANK_10-20-21	452296-001	10/20/21 12:25	Water
EFFLUENT_10-20-21	452296-002	10/20/21 12:00	Water

452296

CHAIN OF CUSTODY RECORD

931 W. Barkley, Orange, CA 92868
Phone: (714) 771-6900 Fax: (714) 771-9933

Billing: Enthalpy Analytical
c/o Montrose Environmental Group Inc.
P.O. Box 741137, Los Angeles, CA 90074-1137

ENTHALPY ANALYTICAL

www.enthalpy.com

Lab Number:
Client ID: 15881
Page: 1 of 1

Preservative: 1=Na2S2O3 2=HCl 3=HNO3 4=H2SO4 5=NaOH 6=Other
Matrix: A=Air DW=Drinking Water FL=Food Liquid FS=Food Solid
L=Liquid PP=Pure Product S=Solid SW=Swab W=Water WP=Wipe O=Other

CUSTOMER INFORMATION

Company: APEX
Report To: Imelda Morales
Email: imelda.morales@apexcos.com, glenn.androsko@apexcos.com, katy.ryen@apexcos.com
Address: 1962 Freeman Ave
Signal Hill, CA 90755
Phone: 562-597-1055 Fax:

PROJECT INFORMATION

Name: WW
Number: Permit #22453
Address: 15306 Norwalk Blvd
Norwalk, CA 90650
Global ID:
P.O. #:
Sampled By:

Turn Around Time

Standard	X
72 Hours	
48 Hours	
24 Hours	
Same Day	

****Turn around time will start the following day for samples received at the Lab after 3pm****

ENTHALPY ANALYTICAL

	Sample ID	Date	Time	Matrix	Container	Pres.	8015 TPHD (DRO)	8015 TPHG (GRO)	624-VOCs (BTEX plus m,p-xylenes &	Analysis	Test Instruction & Comments
1	Surge Tank_10-20-21	10-20-21	1225	W	*	*	X	X	X		Enthalpy Quote No.: APEX_012120
2	Effluent_10-20-21	"	1200	W	*	*	X	X	X		(4) 250ml
3											*TPHD - 1L amber, unpreserved
4											*TPHG - 3x 40ml VOA vials w/HCl
5											*624-VOCs - 3x 40ml VOA vials w/HCl
6											
7											
8											
9											
10											
11											
12											
13											
14											

Meter Readings		pH	Temp.	Time
1) Begin:				
End:				
2) Begin:				
End:				
3) Begin:				
End:				
4) Begin:				
End:				

	Relinquished By:	Received By:	Relinquished By:	Received By:	Authorized By:
1					
Print Name:	Glenn Androsko	Nicholas			
Date:	10-20-21	10-20-21			
Time:	1615	16:18			
2					
Print Name:					
Date:					
Time:					
3					
Print Name:					
Date:					
Time:					
4					
Print Name:					
Date:					
Time:					

12.5 / 19.5

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1
Client: Apex Project: WW
Date Received: 10/20/21 Sampler's Name Present: ☑ Yes ☐ No

Section 2
Sample(s) received in a cooler? ☑ Yes, How many? 4 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____
Sample Temp (°C), One from each cooler: #1: 12.5 #2: _____ #3: _____ #4: _____
(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)
Shipping Information: _____

Section 3
Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____
Cooler Temp (°C): #1: 9.5 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?		✓	
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6
For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____
☐ Email (email sent to/on): _____ / _____
Project Manager's response:

Completed By: _____ Date: 10/20/21

ENTHALPY ANALYTICAL

Analysis Results for 452296

Imelda Morales
APEX - Signal Hill
1962 Freeman Avenue
Signal Hill, CA 90755

Lab Job #: 452296
Project No: PERMIT #22453_WW
Location: WW
Date Received: 10/20/21

Sample ID: SURGE TANK_10-20-21 **Lab ID: 452296-001** **Collected: 10/20/21 12:25**
Matrix: Water

452296-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 624.1 Prep Method: EPA 624.1									
MTBE	ND		ug/L	5.0	1	276295	10/21/21	10/21/21	TCN
Isopropyl Ether (DIPE)	ND		ug/L	5.0	1	276295	10/21/21	10/21/21	TCN
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0	1	276295	10/21/21	10/21/21	TCN
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0	1	276295	10/21/21	10/21/21	TCN
tert-Butyl Alcohol (TBA)	**36**		ug/L	10	1	276295	10/21/21	10/21/21	TCN
m,p-Xylenes	ND		ug/L	10	1	276295	10/21/21	10/21/21	TCN
o-Xylene	ND		ug/L	5.0	1	276295	10/21/21	10/21/21	TCN
Benzene	ND		ug/L	5.0	1	276295	10/21/21	10/21/21	TCN
Toluene	ND		ug/L	5.0	1	276295	10/21/21	10/21/21	TCN
Ethylbenzene	ND		ug/L	5.0	1	276295	10/21/21	10/21/21	TCN
Xylene (total)	ND		ug/L	5.0	1	276295	10/21/21	10/21/21	TCN
Surrogates				**Limits**					
Dibromofluoromethane	97%		%REC	70-140	1	276295	10/21/21	10/21/21	TCN
1,2-Dichloroethane-d4	100%		%REC	70-140	1	276295	10/21/21	10/21/21	TCN
Toluene-d8	101%		%REC	70-140	1	276295	10/21/21	10/21/21	TCN
Bromofluorobenzene	98%		%REC	70-140	1	276295	10/21/21	10/21/21	TCN
Method: EPA 8015B Prep Method: EPA 5030B									
TPH Gasoline	**140**		ug/L	50	1	276321	10/21/21	10/21/21	EMW
Surrogates				**Limits**					
Bromofluorobenzene (FID)	108%		%REC	60-140	1	276321	10/21/21	10/21/21	EMW
Method: EPA 8015B Prep Method: EPA 3510C									
Diesel C10-C28	**0.76**		mg/L	0.10	1	276515	10/25/21	10/25/21	MES
Surrogates				**Limits**					
n-Triacontane	65%		%REC	35-130	1	276515	10/25/21	10/25/21	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 452296

Sample ID: EFFLUENT_10-20-21	Lab ID: 452296-002	Collected: 10/20/21 12:00
	Matrix: Water	

452296-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 624.1 Prep Method: EPA 624.1									
MTBE	ND		ug/L	5.0	1	276295	10/21/21	10/21/21	TCN
Isopropyl Ether (DIPE)	ND		ug/L	5.0	1	276295	10/21/21	10/21/21	TCN
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0	1	276295	10/21/21	10/21/21	TCN
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0	1	276295	10/21/21	10/21/21	TCN
tert-Butyl Alcohol (TBA)	ND		ug/L	10	1	276295	10/21/21	10/21/21	TCN
m,p-Xylenes	ND		ug/L	10	1	276295	10/21/21	10/21/21	TCN
o-Xylene	ND		ug/L	5.0	1	276295	10/21/21	10/21/21	TCN
Benzene	ND		ug/L	5.0	1	276295	10/21/21	10/21/21	TCN
Toluene	ND		ug/L	5.0	1	276295	10/21/21	10/21/21	TCN
Ethylbenzene	ND		ug/L	5.0	1	276295	10/21/21	10/21/21	TCN
Xylene (total)	ND		ug/L	5.0	1	276295	10/21/21	10/21/21	TCN
Surrogates				**Limits**					
Dibromofluoromethane	101%		%REC	70-140	1	276295	10/21/21	10/21/21	TCN
1,2-Dichloroethane-d4	104%		%REC	70-140	1	276295	10/21/21	10/21/21	TCN
Toluene-d8	98%		%REC	70-140	1	276295	10/21/21	10/21/21	TCN
Bromofluorobenzene	99%		%REC	70-140	1	276295	10/21/21	10/21/21	TCN
Method: EPA 8015B Prep Method: EPA 5030B									
TPH Gasoline	ND		ug/L	50	1	276321	10/21/21	10/21/21	EMW
Surrogates				**Limits**					
Bromofluorobenzene (FID)	101%		%REC	60-140	1	276321	10/21/21	10/21/21	EMW
Method: EPA 8015B Prep Method: EPA 3510C									
Diesel C10-C28	ND		mg/L	0.10	1	276515	10/25/21	10/26/21	MES
Surrogates				**Limits**					
n-Triacontane	66%		%REC	35-130	1	276515	10/25/21	10/26/21	MES

ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC950602**	**Batch: 276295**
Matrix: Water	**Method: EPA 624.1**	**Prep Method: EPA 624.1**

QC950602 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
MTBE	ND		ug/L	5.0	10/21/21	10/21/21
Isopropyl Ether (DIPE)	ND		ug/L	5.0	10/21/21	10/21/21
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0	10/21/21	10/21/21
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0	10/21/21	10/21/21
tert-Butyl Alcohol (TBA)	ND		ug/L	10	10/21/21	10/21/21
m,p-Xylenes	ND		ug/L	10	10/21/21	10/21/21
o-Xylene	ND		ug/L	5.0	10/21/21	10/21/21
Benzene	ND		ug/L	5.0	10/21/21	10/21/21
Toluene	ND		ug/L	5.0	10/21/21	10/21/21
Ethylbenzene	ND		ug/L	5.0	10/21/21	10/21/21
Xylene (total)	ND		ug/L	5.0	10/21/21	10/21/21
Surrogates				**Limits**		
Dibromofluoromethane	100%		%REC	70-140	10/21/21	10/21/21
1,2-Dichloroethane-d4	98%		%REC	70-140	10/21/21	10/21/21
Toluene-d8	101%		%REC	70-140	10/21/21	10/21/21
Bromofluorobenzene	98%		%REC	70-140	10/21/21	10/21/21

Type: Lab Control Sample	**Lab ID: QC950603**	**Batch: 276295**
Matrix: Water	**Method: EPA 624.1**	**Prep Method: EPA 624.1**

QC950603 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
MTBE	48.08	50.00	ug/L	96%		70-130
Isopropyl Ether (DIPE)	51.68	50.00	ug/L	103%		70-130
Ethyl tert-Butyl Ether (ETBE)	49.58	50.00	ug/L	99%		70-130
Methyl tert-Amyl Ether (TAME)	50.36	50.00	ug/L	101%		70-130
tert-Butyl Alcohol (TBA)	217.4	250.0	ug/L	87%		51-130
m,p-Xylenes	107.2	100.0	ug/L	107%		70-130
o-Xylene	53.49	50.00	ug/L	107%		70-130
Benzene	51.38	50.00	ug/L	103%		70-130
Toluene	51.97	50.00	ug/L	104%		70-130
Ethylbenzene	52.92	50.00	ug/L	106%		70-130
Surrogates						
Dibromofluoromethane	50.87	50.00	ug/L	102%		70-140
1,2-Dichloroethane-d4	49.20	50.00	ug/L	98%		70-140
Toluene-d8	50.06	50.00	ug/L	100%		70-140
Bromofluorobenzene	49.56	50.00	ug/L	99%		70-140

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC950604**	**Batch:**	**276295**
Matrix:	**Water**	**Method:**	**EPA 624.1**	**Prep Method:**	**EPA 624.1**

QC950604 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
MTBE	44.78	50.00	ug/L	90%		70-130	7	30
Isopropyl Ether (DIPE)	47.57	50.00	ug/L	95%		70-130	8	30
Ethyl tert-Butyl Ether (ETBE)	46.05	50.00	ug/L	92%		70-130	7	30
Methyl tert-Amyl Ether (TAME)	46.63	50.00	ug/L	93%		70-130	8	30
tert-Butyl Alcohol (TBA)	197.8	250.0	ug/L	79%		51-130	9	30
m,p-Xylenes	97.08	100.0	ug/L	97%		70-130	10	30
o-Xylene	49.02	50.00	ug/L	98%		70-130	9	30
Benzene	47.67	50.00	ug/L	95%		70-130	7	30
Toluene	47.28	50.00	ug/L	95%		70-130	9	30
Ethylbenzene	48.04	50.00	ug/L	96%		70-130	10	30
Surrogates								
Dibromofluoromethane	50.50	50.00	ug/L	101%		70-140		
1,2-Dichloroethane-d4	48.78	50.00	ug/L	98%		70-140		
Toluene-d8	50.05	50.00	ug/L	100%		70-140		
Bromofluorobenzene	50.42	50.00	ug/L	101%		70-140		

Type:	**Lab Control Sample**	**Lab ID:**	**QC950645**	**Batch:**	**276321**
Matrix:	**Water**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 5030B**

QC950645 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
TPH Gasoline	533.3	500.0	ug/L	107%		70-130
Surrogates						
Bromofluorobenzene (FID)	205.5	200.0	ug/L	103%		60-140

Type:	**Matrix Spike**	**Lab ID:**	**QC950646**	**Batch:**	**276321**
Matrix (Source ID):	**Water (452191-001)**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 5030B**

QC950646 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
TPH Gasoline	543.4	ND	500.0	ug/L	109%		70-130	1
Surrogates								
Bromofluorobenzene (FID)	192.5		200.0	ug/L	96%		60-140	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC950647**	**Batch:**	**276321**
Matrix (Source ID):	**Water (452191-001)**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 5030B**

QC950647 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
TPH Gasoline	542.0	ND	500.0	ug/L	108%		70-130	0	30	1
Surrogates										
Bromofluorobenzene (FID)	204.2		200.0	ug/L	102%		60-140			1

Type:	**Blank**	**Lab ID:**	**QC950648**	**Batch:**	**276321**
Matrix:	**Water**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 5030B**

QC950648 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH Gasoline	ND		ug/L	50	10/21/21	10/21/21
Surrogates				**Limits**		
Bromofluorobenzene (FID)	97%		%REC	60-140	10/21/21	10/21/21

Type:	**Blank**	**Lab ID:**	**QC951235**	**Batch:**	**276515**
Matrix:	**Water**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3510C**

QC951235 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Diesel C10-C28	ND		mg/L	0.10	10/25/21	10/25/21
Surrogates				**Limits**		
n-Triacontane	68%		%REC	35-130	10/25/21	10/25/21

Type:	**Lab Control Sample**	**Lab ID:**	**QC951236**	**Batch:**	**276515**
Matrix:	**Water**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3510C**

QC951236 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	0.6639	1.000	mg/L	66%		42-120
Surrogates						
n-Triacontane	0.01371	0.02000	mg/L	69%		35-130

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC951237**	**Batch:**	**276515**
Matrix:	**Water**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3510C**

QC951237 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Diesel C10-C28	0.6090	1.000	mg/L	61%		42-120	9	36
Surrogates								
n-Triacontane	0.01356	0.02000	mg/L	68%		35-130		

ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 453462
Report Level: II
Report Date: 11/24/2021

Analytical Report *prepared for:*

Imedla Morales
APEX - Signal Hill
1962 Freeman Avenue
Signal Hill, CA 90755

Project: PERMIT #22453_WW - WW

Authorized for release by:

Diane Galvan, Project Manager
714-771-9928
diane.galvan@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member

ENTHALPY ANALYTICAL

Sample Summary

Imedla Morales
APEX - Signal Hill
1962 Freeman Avenue
Signal Hill, CA 90755

Lab Job #:	453462
Project No:	PERMIT #22453_WW
Location:	WW
Date Received:	11/10/21

Sample ID	Lab ID	Collected	Matrix
SURGE TANK_11-10-21	453462-001	11/10/21 10:29	Water
EFFLUENT_11-10-21	453462-002	11/10/21 10:07	Water

CHAIN OF CUSTODY RECORD

931 W. Barkley, Orange, CA 92868

Phone: (714) 771-6900 Fax: (714) 771-9933

Billing: Enthalpy Analytical
c/o Montrose Environmental Group Inc.
P.O. Box 741137, Los Angeles, CA 90074-1137

ENTHALPY ANALYTICAL

www.enthalpy.com

Lab Number: 453462
Client ID: 15881
Page: 1 of 1

Preservative: 1=Na2S2O3 2=HCl 3=HNO3 4=H2SO4 5=NaOH 6=Other

Matrix: A=Air DW=Drinking Water FL=Food Liquid FS=Food Solid L=Liquid PP=Pure Product S=Solid SW=Swab W=Water WP=Wipe O=Other

****Turn around time will start the following day for samples received at the Lab after 3pm****

ENTHALPY ANALYTICAL

Turn Around Time	
Standard	X
72 Hours	
48 Hours	
24 Hours	
Same Day	

CUSTOMER INFORMATION

Company: APEX
Report To: Imelda Morales
Email: imelda.morales@apexcos.com, glenn.androsko@apexcos.com, katy.ryan@apexcos.com
Address: 1962 Freeman Ave
Signal Hill, CA 90755
Phone: 562-597-1055 Fax:

PROJECT INFORMATION

Name: WW
Number: Permit #22453
Address: 15306 Norwalk Blvd
Norwalk, CA 90650
Global ID:
P.O. #:
Sampled By:

	Sample ID	Date	Time	Matrix	Container	Pres.	8015 TPHD (DRO)	8015 TPHG (GRO)	624-VOCs (BTEX plus m,p-xylenes &	Test Instruction & Comments
										Enthalpy Quote No.: APEX_012120
1	Surge Tank_11-10-21	11-10-21	1029	W	*	*	X	X	X	
2	Effluent_11-10-21	"	1007	W	*	*	X	X	X	*TPHD - 1L amber, unpreserved
3										*TPHG - 3x 40ml VOA vials w/HCl
4										*624-VOCs - 3x 40ml VOA vials w/HCl
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										

Meter Readings	pH	Temp.	Time
1) Begin:			
End:			
2) Begin:			
End:			
3) Begin:			
End:			
4) Begin:			
End:			

	Relinquished By: 1	Received By: 1	Relinquished By: 2	Received By: 2
Signature	Glenn Androsko	[signature]		
Print Name	Glenn Androsko	FPJ[illegible]		
Date	11-10-21	11/10/21		
Time	1530	1530		

Authorized By:

	Relinquished By: 3	Received By: 3	Relinquished By: 4	Received By: 4
Print Name				
Date				
Time				

5.2 / 15.3

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: APEX Project: PERMIT # 22453 WW

Date Received: 11/10/21 Sampler's Name Present: ☐ Yes ☑ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 15.3 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 5.2 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?		✓	
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

_____

_____

_____

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 11/10/21

ENTHALPY ANALYTICAL

Analysis Results for 453462

Imedla Morales
APEX - Signal Hill
1962 Freeman Avenue
Signal Hill, CA 90755

Lab Job #: 453462
Project No: PERMIT #22453_WW
Location: WW
Date Received: 11/10/21

Sample ID: SURGE TANK_11-10-21 **Lab ID: 453462-001** **Collected: 11/10/21 10:29**
Matrix: Water

453462-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 624.1 Prep Method: EPA 624.1									
MTBE	ND		ug/L	5.0	1	277891	11/12/21	11/12/21	RAO
Isopropyl Ether (DIPE)	ND		ug/L	5.0	1	277891	11/12/21	11/12/21	RAO
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0	1	277891	11/12/21	11/12/21	RAO
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0	1	277891	11/12/21	11/12/21	RAO
tert-Butyl Alcohol (TBA)	**38**		ug/L	10	1	277891	11/12/21	11/12/21	RAO
m,p-Xylenes	ND		ug/L	10	1	277891	11/12/21	11/12/21	RAO
o-Xylene	ND		ug/L	5.0	1	277891	11/12/21	11/12/21	RAO
Benzene	ND		ug/L	5.0	1	277891	11/12/21	11/12/21	RAO
Toluene	ND		ug/L	5.0	1	277891	11/12/21	11/12/21	RAO
Ethylbenzene	ND		ug/L	5.0	1	277891	11/12/21	11/12/21	RAO
Xylene (total)	ND		ug/L	5.0	1	277891	11/12/21	11/12/21	RAO
Surrogates				**Limits**					
Dibromofluoromethane	99%		%REC	70-140	1	277891	11/12/21	11/12/21	RAO
1,2-Dichloroethane-d4	101%		%REC	70-140	1	277891	11/12/21	11/12/21	RAO
Toluene-d8	100%		%REC	70-140	1	277891	11/12/21	11/12/21	RAO
Bromofluorobenzene	100%		%REC	70-140	1	277891	11/12/21	11/12/21	RAO
Method: EPA 8015B Prep Method: EPA 5030B									
TPH Gasoline	ND		ug/L	50	1	277721	11/11/21	11/11/21	EMW
Surrogates				**Limits**					
Bromofluorobenzene (FID)	94%		%REC	60-140	1	277721	11/11/21	11/11/21	EMW
Method: EPA 8015B Prep Method: EPA 3510C									
Diesel C10-C28	**0.55**		mg/L	0.094	0.94	277856	11/11/21	11/15/21	MES
Surrogates				**Limits**					
n-Triacontane	49%		%REC	35-130	0.94	277856	11/11/21	11/15/21	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 453462

Sample ID: EFFLUENT_11-10-21	Lab ID: 453462-002	Collected: 11/10/21 10:07
	Matrix: Water	

453462-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 624.1 Prep Method: EPA 624.1									
MTBE	ND		ug/L	5.0	1	277891	11/12/21	11/12/21	RAO
Isopropyl Ether (DIPE)	ND		ug/L	5.0	1	277891	11/12/21	11/12/21	RAO
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0	1	277891	11/12/21	11/12/21	RAO
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0	1	277891	11/12/21	11/12/21	RAO
tert-Butyl Alcohol (TBA)	ND		ug/L	10	1	277891	11/12/21	11/12/21	RAO
m,p-Xylenes	ND		ug/L	10	1	277891	11/12/21	11/12/21	RAO
o-Xylene	ND		ug/L	5.0	1	277891	11/12/21	11/12/21	RAO
Benzene	ND		ug/L	5.0	1	277891	11/12/21	11/12/21	RAO
Toluene	ND		ug/L	5.0	1	277891	11/12/21	11/12/21	RAO
Ethylbenzene	ND		ug/L	5.0	1	277891	11/12/21	11/12/21	RAO
Xylene (total)	ND		ug/L	5.0	1	277891	11/12/21	11/12/21	RAO
Surrogates				**Limits**					
Dibromofluoromethane	101%		%REC	70-140	1	277891	11/12/21	11/12/21	RAO
1,2-Dichloroethane-d4	103%		%REC	70-140	1	277891	11/12/21	11/12/21	RAO
Toluene-d8	100%		%REC	70-140	1	277891	11/12/21	11/12/21	RAO
Bromofluorobenzene	103%		%REC	70-140	1	277891	11/12/21	11/12/21	RAO
Method: EPA 8015B Prep Method: EPA 5030B									
TPH Gasoline	**160**		ug/L	50	1	277721	11/11/21	11/11/21	EMW
Surrogates				**Limits**					
Bromofluorobenzene (FID)	112%		%REC	60-140	1	277721	11/11/21	11/11/21	EMW
Method: EPA 8015B Prep Method: EPA 3510C									
Diesel C10-C28	ND		mg/L	0.094	0.94	278231	11/17/21	11/18/21	MES
Surrogates				**Limits**					
n-Triacontane	70%		%REC	35-130	0.94	278231	11/17/21	11/18/21	MES

ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC954654	Batch: 277721
Matrix: Water	Method: EPA 8015B	Prep Method: EPA 5030B

QC954654 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
TPH Gasoline	535.5	500.0	ug/L	107%		70-130
Surrogates						
Bromofluorobenzene (FID)	201.4	200.0	ug/L	101%		60-140

Type: Matrix Spike	Lab ID: QC954655	Batch: 277721
Matrix (Source ID): Water (453344-001)	Method: EPA 8015B	Prep Method: EPA 5030B

QC954655 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
TPH Gasoline	1,899	1422	500.0	ug/L	96%		70-130	1
Surrogates								
Bromofluorobenzene (FID)	207.3		200.0	ug/L	104%		60-140	1

Type: Matrix Spike Duplicate	Lab ID: QC954656	Batch: 277721
Matrix (Source ID): Water (453344-001)	Method: EPA 8015B	Prep Method: EPA 5030B

QC954656 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
TPH Gasoline	1,895	1422	500.0	ug/L	95%		70-130	0	30	1
Surrogates										
Bromofluorobenzene (FID)	231.1		200.0	ug/L	116%		60-140			1

Type: Blank	Lab ID: QC954657	Batch: 277721
Matrix: Water	Method: EPA 8015B	Prep Method: EPA 5030B

QC954657 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH Gasoline	ND		ug/L	50	11/11/21	11/11/21
Surrogates				**Limits**		
Bromofluorobenzene (FID)	99%		%REC	60-140	11/11/21	11/11/21

Type: Blank	Lab ID: QC955036	Batch: 277856
Matrix: Water	Method: EPA 8015B	Prep Method: EPA 3510C

QC955036 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Diesel C10-C28	ND		mg/L	0.10	11/11/21	11/12/21
Surrogates				**Limits**		
n-Triacontane	65%		%REC	35-130	11/11/21	11/12/21

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID: QC955037**	**Batch: 277856**
Matrix: Water	**Method: EPA 8015B**	**Prep Method: EPA 3510C**

QC955037 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	0.6379	1.000	mg/L	64%		42-120
Surrogates						
n-Triacontane	0.01630	0.02000	mg/L	81%		35-130

Type: Lab Control Sample Duplicate	**Lab ID: QC955038**	**Batch: 277856**
Matrix: Water	**Method: EPA 8015B**	**Prep Method: EPA 3510C**

QC955038 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Diesel C10-C28	0.6760	1.000	mg/L	68%		42-120	6	36
Surrogates								
n-Triacontane	0.01580	0.02000	mg/L	79%		35-130		

Type: Blank	**Lab ID: QC955117**	**Batch: 277891**
Matrix: Water	**Method: EPA 624.1**	**Prep Method: EPA 624.1**

QC955117 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
MTBE	ND		ug/L	5.0	11/12/21	11/12/21
Isopropyl Ether (DIPE)	ND		ug/L	5.0	11/12/21	11/12/21
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0	11/12/21	11/12/21
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0	11/12/21	11/12/21
tert-Butyl Alcohol (TBA)	ND		ug/L	10	11/12/21	11/12/21
m,p-Xylenes	ND		ug/L	10	11/12/21	11/12/21
o-Xylene	ND		ug/L	5.0	11/12/21	11/12/21
Benzene	ND		ug/L	5.0	11/12/21	11/12/21
Toluene	ND		ug/L	5.0	11/12/21	11/12/21
Ethylbenzene	ND		ug/L	5.0	11/12/21	11/12/21
Xylene (total)	ND		ug/L	5.0	11/12/21	11/12/21
Surrogates				**Limits**		
Dibromofluoromethane	99%		%REC	70-140	11/12/21	11/12/21
1,2-Dichloroethane-d4	101%		%REC	70-140	11/12/21	11/12/21
Toluene-d8	100%		%REC	70-140	11/12/21	11/12/21
Bromofluorobenzene	103%		%REC	70-140	11/12/21	11/12/21

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC955118**	**Batch:**	**277891**
Matrix:	**Water**	**Method:**	**EPA 624.1**	**Prep Method:**	**EPA 624.1**

QC955118 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
MTBE	50.42	50.00	ug/L	101%		70-130
Isopropyl Ether (DIPE)	49.64	50.00	ug/L	99%		70-130
Ethyl tert-Butyl Ether (ETBE)	50.69	50.00	ug/L	101%		70-130
Methyl tert-Amyl Ether (TAME)	51.22	50.00	ug/L	102%		70-130
tert-Butyl Alcohol (TBA)	288.7	250.0	ug/L	115%		51-130
m,p-Xylenes	104.9	100.0	ug/L	105%		70-130
o-Xylene	53.93	50.00	ug/L	108%		70-130
Benzene	50.56	50.00	ug/L	101%		70-130
Toluene	50.23	50.00	ug/L	100%		70-130
Ethylbenzene	50.40	50.00	ug/L	101%		70-130
Surrogates						
Dibromofluoromethane	48.98	50.00	ug/L	98%		70-140
1,2-Dichloroethane-d4	48.74	50.00	ug/L	97%		70-140
Toluene-d8	50.80	50.00	ug/L	102%		70-140
Bromofluorobenzene	52.09	50.00	ug/L	104%		70-140

Type:	**Matrix Spike**	**Lab ID:**	**QC955119**	**Batch:**	**277891**
Matrix (Source ID):	**Water (453366-002)**	**Method:**	**EPA 624.1**	**Prep Method:**	**EPA 624.1**

QC955119 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
MTBE	259.1	ND	250.0	ug/L	104%		75-130	5
Isopropyl Ether (DIPE)	250.2	ND	250.0	ug/L	100%		70-130	5
Ethyl tert-Butyl Ether (ETBE)	263.4	ND	250.0	ug/L	105%		70-130	5
Methyl tert-Amyl Ether (TAME)	270.1	ND	250.0	ug/L	108%		70-130	5
tert-Butyl Alcohol (TBA)	1,012	ND	1250	ug/L	81%		58-139	5
m,p-Xylenes	510.7	ND	500.0	ug/L	102%		70-131	5
o-Xylene	267.6	ND	250.0	ug/L	107%		70-130	5
Benzene	256.7	ND	250.0	ug/L	103%		70-130	5
Toluene	248.0	ND	250.0	ug/L	99%		70-130	5
Ethylbenzene	244.6	ND	250.0	ug/L	98%		70-130	5
Surrogates								
Dibromofluoromethane	249.0		250.0	ug/L	100%		70-140	5
1,2-Dichloroethane-d4	244.5		250.0	ug/L	98%		70-140	5
Toluene-d8	248.6		250.0	ug/L	99%		70-140	5
Bromofluorobenzene	255.7		250.0	ug/L	102%		70-140	5

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC955120**	**Batch:**	**277891**
Matrix (Source ID):	**Water (453366-002)**	**Method:**	**EPA 624.1**	**Prep Method:**	**EPA 624.1**

QC955120 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
MTBE	267.0	ND	250.0	ug/L	107%		75-130	3	30	5
Isopropyl Ether (DIPE)	256.0	ND	250.0	ug/L	102%		70-130	2	30	5
Ethyl tert-Butyl Ether (ETBE)	271.2	ND	250.0	ug/L	108%		70-130	3	30	5
Methyl tert-Amyl Ether (TAME)	276.7	ND	250.0	ug/L	111%		70-130	2	30	5
tert-Butyl Alcohol (TBA)	1,175	ND	1250	ug/L	94%		58-139	15	30	5
m,p-Xylenes	532.0	ND	500.0	ug/L	106%		70-131	4	30	5
o-Xylene	278.1	ND	250.0	ug/L	111%		70-130	4	30	5
Benzene	263.2	ND	250.0	ug/L	105%		70-130	3	30	5
Toluene	258.1	ND	250.0	ug/L	103%		70-130	4	30	5
Ethylbenzene	253.1	ND	250.0	ug/L	101%		70-130	3	30	5
Surrogates										
Dibromofluoromethane	252.8		250.0	ug/L	101%		70-140			5
1,2-Dichloroethane-d4	248.4		250.0	ug/L	99%		70-140			5
Toluene-d8	247.9		250.0	ug/L	99%		70-140			5
Bromofluorobenzene	257.6		250.0	ug/L	103%		70-140			5

Type:	**Blank**	**Lab ID:**	**QC956167**	**Batch:**	**278231**
Matrix:	**Water**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3510C**

QC956167 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Diesel C10-C28	ND		mg/L	0.10	11/17/21	11/18/21
Surrogates				**Limits**		
n-Triacontane	55%		%REC	35-130	11/17/21	11/18/21

Type:	**Lab Control Sample**	**Lab ID:**	**QC956168**	**Batch:**	**278231**
Matrix:	**Water**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3510C**

QC956168 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	0.6500	1.000	mg/L	65%		42-120
Surrogates						
n-Triacontane	0.01457	0.02000	mg/L	73%		35-130

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC956169**	**Batch:**	**278231**
Matrix:	**Water**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3510C**

QC956169 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Diesel C10-C28	0.6214	1.000	mg/L	62%		42-120	5	36
Surrogates								
n-Triacontane	0.01381	0.02000	mg/L	69%		35-130		

ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 453463
Report Level: II
Report Date: 11/24/2021

Analytical Report *prepared for:*

Imedla Morales
APEX - Signal Hill
1962 Freeman Avenue
Signal Hill, CA 90755

Project: PERMIT #22453_WW - WW

Authorized for release by:

Diane Galvan, Project Manager
714-771-9928
diane.galvan@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member

ENTHALPY ANALYTICAL

Sample Summary

Imedla Morales
APEX - Signal Hill
1962 Freeman Avenue
Signal Hill, CA 90755

Lab Job #:	453463
Project No:	PERMIT #22453_WW
Location:	WW
Date Received:	11/10/21

Sample ID	Lab ID	Collected	Matrix
EFFLUENT_COMP_11-10-21	453463-001	11/10/21 10:37	Water

CHAIN OF CUSTODY RECORD

931 W. Barkley, Orange, CA 92868
Phone: (714) 771-6900 Fax: (714) 771-9933

ENTHALPY ANALYTICAL

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Lab Number: 453463
Client ID: 15881
Page: 1 of 1

Preservative: 1=Na2S2O3 2=HCl 3=HNO3 4=H2SO4 5=NaOH 6=Other
Matrix: A=Air DW=Drinking Water FL=Food Liquid FS=Food Solid
L=Liquid PP=Pure Product S=Solid SW=Swab W=Water WP=Wipe O=Other

Billing: Enthalpy Analytical
c/o Montrose Environmental Group Inc.
P.O. Box 741137, Los Angeles, CA 90074-1137

Turn Around Time

Standard	X
72 Hours	
48 Hours	
24 Hours	
Same Day	

****Turn around time will start the following day for samples received at the Lab after 3pm****

ENTHALPY ANALYTICAL

CUSTOMER INFORMATION

Company: APEX
Report To: Imelda Morales
Email: imelda.morales@apexcos.com, glenn.androsko@apexcos.com, katy.ryan@apexcos.com
Address: 1962 Freeman Ave
Signal Hill, CA 90755
Phone: 562-597-1055 Fax:

PROJECT INFORMATION

Name: WW
Number: Permit #22453
Address: 15306 Norwalk Blvd
Norwalk, CA 90650
Global ID:
P.O. #:
Sampled By:

	Sample ID	Date	Time	Matrix	Container	Pres.	2540D - TSS	5220-D - COD	Test Instruction & Comments
1	Effluent_Comp_11-10-21	11-10-21	1037	W	*	*	X	X	Enthalpy Quote No: APEX_012120
2									*TSS - 1L poly, unpreserved *COD - 500ml poly w/H2SO4
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									

Analysis

Meter Readings

		pH	Temp.	Time
1) Begin:				
End:				
2) Begin:				
End:				
3) Begin:				
End:				
4) Begin:				
End:				

	Relinquished By: 1	Received By: 1	Relinquished By: 2	Received By: 2	Authorized By:
	Glenn Androsko				
Print Name:	Glenn Androsko				
Date:	11-10-21	11/10/21			
Time:	1530	1530			

	Relinquished By: 3	Received By: 3	Relinquished By: 4	Received By: 4
Print Name:				
Date:				
Time:				

5.c 15.3

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: APEX Project: PERMIT # 22453 WW

Date Received: 11/10/21 Sampler's Name Present: ☐ Yes ☑ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 1.3 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 5.2 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

_____

_____

_____

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 11/10/21

ENTHALPY ANALYTICAL

Analysis Results for 453463

Imedla Morales
APEX - Signal Hill
1962 Freeman Avenue
Signal Hill, CA 90755

Lab Job #: 453463
Project No: PERMIT #22453_WW
Location: WW
Date Received: 11/10/21

Sample ID:	Lab ID: 453463-001	Collected: 11/10/21 10:37
EFFLUENT_COMP_11-10-21	Matrix: Water	

453463-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM2540D Prep Method: METHOD									
Total Suspended Solids	**3.3**		mg/L	0.6	1.1	278051	11/12/21	11/12/21	ATP
Method: SM5220D Prep Method: METHOD									
Chemical Oxygen Demand	**16**		mg/L	4.0	1	278178	11/16/21	11/16/21	ATP

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC955593	Batch: 278051
Matrix: Water	Method: SM2540D	Prep Method: METHOD

QC955593 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5	11/12/21	11/12/21

Type: Sample Duplicate	Lab ID: QC955594	Batch: 278051
Matrix (Source ID): Water (453495-001)	Method: SM2540D	Prep Method: METHOD

QC955594 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	510.0	515.0	mg/L		1	5	25

Type: Blank	Lab ID: QC955981	Batch: 278178
Matrix: Water	Method: SM5220D	Prep Method: METHOD

QC955981 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	11/16/21	11/16/21

Type: Lab Control Sample	Lab ID: QC955982	Batch: 278178
Matrix: Water	Method: SM5220D	Prep Method: METHOD

QC955982 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	101.0	100.0	mg/L	101%		80-120

Type: Matrix Spike	Lab ID: QC955983	Batch: 278178
Matrix (Source ID): Water (453239-006)	Method: SM5220D	Prep Method: METHOD

QC955983 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	114.0	6.000	100.0	mg/L	108%		75-125	2

Type: Matrix Spike Duplicate	Lab ID: QC955984	Batch: 278178
Matrix (Source ID): Water (453239-006)	Method: SM5220D	Prep Method: METHOD

QC955984 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	106.0	6.000	100.0	mg/L	100%		75-125	7	20	2

ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 454663
Report Level: II
Report Date: 12/21/2021

Analytical Report *prepared for:*

Imelda Morales
APEX - Signal Hill
1962 Freeman Avenue
Signal Hill, CA 90755

Project: PERMIT #22453_WW - WW

Authorized for release by:

Diane Galvan, Project Manager
714-771-9928
diane.galvan@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Imelda Morales
APEX - Signal Hill
1962 Freeman Avenue
Signal Hill, CA 90755

Lab Job #:	454663
Project No:	PERMIT #22453_WW
Location:	WW
Date Received:	12/07/21

Sample ID	Lab ID	Collected	Matrix
SURGE TANK_12-07-21	454663-001	12/07/21 06:55	Water
EFFLUENT_12-07-21	454663-002	12/07/21 06:33	Water

CHAIN OF CUSTODY RECORD

ENTHALPY ANALYTICAL

931 W. Barkley, Orange, CA 92868
Phone: (714) 771-6900 Fax: (714) 771-9933

Billing: Enthalpy Analytical
c/o Montrose Environmental Group Inc.
P.O. Box 741137, Los Angeles, CA 90074-1137

www.enthalpy.com

Lab Number: 454663
Client ID: 15881
Page: 1 of 1

Preservative: 1=Na2S2O3 2=HCl 3=HNO3 4=H2SO4 5=NaOH 6=Other
Matrix: A=Air DW=Drinking Water FL=Food Liquid FS=Food Solid
L=Liquid PP=Pure Product S=Solid SW=Swab W=Water WP=Wipe O=Other

Turn Around Time

Standard	X
72 Hours	
48 Hours	
24 Hours	
Same Day	

****Turn around time will start the following day for samples received at the Lab after 3pm****

ENTHALPY ANALYTICAL

CUSTOMER INFORMATION

Company: APEX
Report To: Imelda Morales
Email: imelda.morales@apexcos.com, glenn.androsko@apexcos.com, katy.ryan@apexcos.com
Address: 1962 Freeman Ave
Signal Hill, CA 90755
Phone: 562-597-1055 Fax:

PROJECT INFORMATION

Name: WW
Number: Permit #22453
Address: 15306 Norwalk Blvd
Norwalk, CA 90650
Global ID:
P.O. #:
Sampled By: Glenn Androsko

	Sample ID	Date	Time	Matrix	Container	Pres.	8015 TPHD (DRO)	8015 TPHG (GRO)	624-VOCs (BTEX plus m,p-xylenes &	Test Instruction & Comments
1	Surge Tank_12-07-21	12-7-21	0655	W	*	*	X	X	X	Enthalpy Quote No.: APEX_012120
2	Effluent_12-07-21	"	0633	W	*	*	X	X	X	*TPHD - 1L amber, unpreserved
3										*TPHG - 3x 40ml VOA vials w/HCl
4										*624-VOCs - 3x 40ml VOA vials w/HCl
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										

Analysis

Meter Readings		pH	Temp.	Time
1) Begin:				
End:				
2) Begin:				
End:				
3) Begin:				
End:				
4) Begin:				
End:				

Relinquished By: 1	Received By: 1	Relinquished By: 2	Received By: 2	Authorized By:
Glenn Androsko	Guerry Km			
Print Name: Glenn Androsko	Print Name: Guerry Km	Print Name:	Print Name:	
Date: 12-7-21 Time: 1455	Date: 12/7/21 Time: 1455	Date: Time:	Date: Time:	
Relinquished By: 3	Received By: 3	Relinquished By: 4	Received By: 4	
Print Name:	Print Name:	Print Name:	Print Name:	
Date: Time:	Date: Time:	Date: Time:	Date: Time:	

7.3/1.2

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: APEX

Project: Permit #22453

Date Received: 12/7/21

Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 7.3 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.2 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?		✓	
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 12/7/21

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www.enthalpy.com/socal

ENTHALPY ANALYTICAL

Analysis Results for 454663

Imelda Morales
APEX - Signal Hill
1962 Freeman Avenue
Signal Hill, CA 90755

Lab Job #: 454663
Project No: PERMIT #22453_WW
Location: WW
Date Received: 12/07/21

Sample ID: SURGE TANK_12-07-21 **Lab ID: 454663-001** **Collected: 12/07/21 06:55**
Matrix: Water

454663-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 624.1 Prep Method: EPA 624.1									
MTBE	ND		ug/L	5.0	1	279612	12/10/21	12/10/21	RAO
Isopropyl Ether (DIPE)	ND		ug/L	5.0	1	279612	12/10/21	12/10/21	RAO
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0	1	279612	12/10/21	12/10/21	RAO
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0	1	279612	12/10/21	12/10/21	RAO
tert-Butyl Alcohol (TBA)	**39**		ug/L	10	1	279612	12/10/21	12/10/21	RAO
m,p-Xylenes	ND		ug/L	10	1	279612	12/10/21	12/10/21	RAO
o-Xylene	ND		ug/L	5.0	1	279612	12/10/21	12/10/21	RAO
Benzene	ND		ug/L	5.0	1	279612	12/10/21	12/10/21	RAO
Toluene	ND		ug/L	5.0	1	279612	12/10/21	12/10/21	RAO
Ethylbenzene	ND		ug/L	5.0	1	279612	12/10/21	12/10/21	RAO
Xylene (total)	ND		ug/L	5.0	1	279612	12/10/21	12/10/21	RAO
Surrogates				**Limits**					
Dibromofluoromethane	97%		%REC	70-140	1	279612	12/10/21	12/10/21	RAO
1,2-Dichloroethane-d4	98%		%REC	70-140	1	279612	12/10/21	12/10/21	RAO
Toluene-d8	101%		%REC	70-140	1	279612	12/10/21	12/10/21	RAO
Bromofluorobenzene	99%		%REC	70-140	1	279612	12/10/21	12/10/21	RAO
Method: EPA 8015B Prep Method: EPA 5030B									
TPH Gasoline	**120**		ug/L	50	1	279580	12/11/21	12/11/21	EMW
Surrogates				**Limits**					
Bromofluorobenzene (FID)	99%		%REC	60-140	1	279580	12/11/21	12/11/21	EMW
Method: EPA 8015B Prep Method: EPA 3510C									
Diesel C10-C28	**0.62**		mg/L	0.10	1	279489	12/08/21	12/09/21	MES
Surrogates				**Limits**					
n-Triacontane	118%		%REC	35-130	1	279489	12/08/21	12/09/21	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 454663

Sample ID: EFFLUENT_12-07-21	Lab ID: 454663-002	Collected: 12/07/21 06:33
	Matrix: Water	

454663-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 624.1 Prep Method: EPA 624.1									
MTBE	ND		ug/L	5.0	1	279612	12/10/21	12/10/21	RAO
Isopropyl Ether (DIPE)	ND		ug/L	5.0	1	279612	12/10/21	12/10/21	RAO
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0	1	279612	12/10/21	12/10/21	RAO
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0	1	279612	12/10/21	12/10/21	RAO
tert-Butyl Alcohol (TBA)	ND		ug/L	10	1	279612	12/10/21	12/10/21	RAO
m,p-Xylenes	ND		ug/L	10	1	279612	12/10/21	12/10/21	RAO
o-Xylene	ND		ug/L	5.0	1	279612	12/10/21	12/10/21	RAO
Benzene	ND		ug/L	5.0	1	279612	12/10/21	12/10/21	RAO
Toluene	ND		ug/L	5.0	1	279612	12/10/21	12/10/21	RAO
Ethylbenzene	ND		ug/L	5.0	1	279612	12/10/21	12/10/21	RAO
Xylene (total)	ND		ug/L	5.0	1	279612	12/10/21	12/10/21	RAO
Surrogates				**Limits**					
Dibromofluoromethane	96%		%REC	70-140	1	279612	12/10/21	12/10/21	RAO
1,2-Dichloroethane-d4	100%		%REC	70-140	1	279612	12/10/21	12/10/21	RAO
Toluene-d8	101%		%REC	70-140	1	279612	12/10/21	12/10/21	RAO
Bromofluorobenzene	101%		%REC	70-140	1	279612	12/10/21	12/10/21	RAO
Method: EPA 8015B Prep Method: EPA 5030B									
TPH Gasoline	ND		ug/L	50	1	279580	12/10/21	12/10/21	EMW
Surrogates				**Limits**					
Bromofluorobenzene (FID)	82%		%REC	60-140	1	279580	12/10/21	12/10/21	EMW
Method: EPA 8015B Prep Method: EPA 3510C									
Diesel C10-C28	ND		mg/L	0.10	1	279489	12/08/21	12/09/21	MES
Surrogates				**Limits**					
n-Triacontane	104%		%REC	35-130	1	279489	12/08/21	12/09/21	MES

ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC959796	**Batch:** 279489
Matrix: Water	**Method:** EPA 8015B	**Prep Method:** EPA 3510C

QC959796 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Diesel C10-C28	ND		mg/L	0.10	12/08/21	12/09/21
Surrogates				**Limits**		
n-Triacontane	113%		%REC	35-130	12/08/21	12/09/21

Type: Lab Control Sample	**Lab ID:** QC959797	**Batch:** 279489
Matrix: Water	**Method:** EPA 8015B	**Prep Method:** EPA 3510C

QC959797 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	0.6678	1.000	mg/L	67%		42-120
Surrogates						
n-Triacontane	0.02218	0.02000	mg/L	111%		35-130

Type: Lab Control Sample Duplicate	**Lab ID:** QC959798	**Batch:** 279489
Matrix: Water	**Method:** EPA 8015B	**Prep Method:** EPA 3510C

QC959798 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Diesel C10-C28	0.7123	1.000	mg/L	71%		42-120	6	36
Surrogates								
n-Triacontane	0.02300	0.02000	mg/L	115%		35-130		

Type: Lab Control Sample	**Lab ID:** QC960058	**Batch:** 279580
Matrix: Water	**Method:** EPA 8015B	**Prep Method:** EPA 5030B

QC960058 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
TPH Gasoline	534.4	500.0	ug/L	107%		70-130
Surrogates						
Bromofluorobenzene (FID)	183.8	200.0	ug/L	92%		60-140

Type: Matrix Spike	**Lab ID:** QC960059	**Batch:** 279580
Matrix (Source ID): Water (454547-002)	**Method:** EPA 8015B	**Prep Method:** EPA 5030B

QC960059 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
TPH Gasoline	550.1	ND	500.0	ug/L	110%		70-130	1
Surrogates								
Bromofluorobenzene (FID)	227.3		200.0	ug/L	114%		60-140	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC960060**	**Batch:**	**279580**
Matrix (Source ID):	**Water (454547-002)**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 5030B**

QC960060 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
TPH Gasoline	573.0	ND	500.0	ug/L	115%		70-130	4	30	1
Surrogates										
Bromofluorobenzene (FID)	224.3		200.0	ug/L	112%		60-140			1

Type:	**Blank**	**Lab ID:**	**QC960061**	**Batch:**	**279580**
Matrix:	**Water**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 5030B**

QC960061 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH Gasoline	ND		ug/L	50	12/10/21	12/10/21
Surrogates				**Limits**		
Bromofluorobenzene (FID)	109%		%REC	60-140	12/10/21	12/10/21

Type:	**Blank**	**Lab ID:**	**QC960145**	**Batch:**	**279612**
Matrix:	**Water**	**Method:**	**EPA 624.1**	**Prep Method:**	**EPA 624.1**

QC960145 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
MTBE	ND		ug/L	5.0	12/10/21	12/10/21
Isopropyl Ether (DIPE)	ND		ug/L	5.0	12/10/21	12/10/21
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0	12/10/21	12/10/21
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0	12/10/21	12/10/21
tert-Butyl Alcohol (TBA)	ND		ug/L	10	12/10/21	12/10/21
m,p-Xylenes	ND		ug/L	10	12/10/21	12/10/21
o-Xylene	ND		ug/L	5.0	12/10/21	12/10/21
Benzene	ND		ug/L	5.0	12/10/21	12/10/21
Toluene	ND		ug/L	5.0	12/10/21	12/10/21
Ethylbenzene	ND		ug/L	5.0	12/10/21	12/10/21
Xylene (total)	ND		ug/L	5.0	12/10/21	12/10/21
Surrogates				**Limits**		
Dibromofluoromethane	97%		%REC	70-140	12/10/21	12/10/21
1,2-Dichloroethane-d4	98%		%REC	70-140	12/10/21	12/10/21
Toluene-d8	101%		%REC	70-140	12/10/21	12/10/21
Bromofluorobenzene	100%		%REC	70-140	12/10/21	12/10/21

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID: QC960146**	**Batch: 279612**
Matrix: Water	**Method: EPA 624.1**	**Prep Method: EPA 624.1**

QC960146 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
MTBE	48.35	50.00	ug/L	97%		70-130
Isopropyl Ether (DIPE)	48.62	50.00	ug/L	97%		70-130
Ethyl tert-Butyl Ether (ETBE)	48.33	50.00	ug/L	97%		70-130
Methyl tert-Amyl Ether (TAME)	48.66	50.00	ug/L	97%		70-130
tert-Butyl Alcohol (TBA)	271.9	250.0	ug/L	109%		51-130
m,p-Xylenes	99.22	100.0	ug/L	99%		70-130
o-Xylene	49.33	50.00	ug/L	99%		70-130
Benzene	49.89	50.00	ug/L	100%		70-130
Toluene	48.97	50.00	ug/L	98%		70-130
Ethylbenzene	49.84	50.00	ug/L	100%		70-130
Surrogates						
Dibromofluoromethane	50.37	50.00	ug/L	101%		70-140
1,2-Dichloroethane-d4	49.55	50.00	ug/L	99%		70-140
Toluene-d8	50.16	50.00	ug/L	100%		70-140
Bromofluorobenzene	50.20	50.00	ug/L	100%		70-140

Type: Lab Control Sample Duplicate	**Lab ID: QC960147**	**Batch: 279612**
Matrix: Water	**Method: EPA 624.1**	**Prep Method: EPA 624.1**

QC960147 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
MTBE	46.30	50.00	ug/L	93%		70-130	4	30
Isopropyl Ether (DIPE)	46.23	50.00	ug/L	92%		70-130	5	30
Ethyl tert-Butyl Ether (ETBE)	46.29	50.00	ug/L	93%		70-130	4	30
Methyl tert-Amyl Ether (TAME)	46.55	50.00	ug/L	93%		70-130	4	30
tert-Butyl Alcohol (TBA)	245.6	250.0	ug/L	98%		51-130	10	30
m,p-Xylenes	93.82	100.0	ug/L	94%		70-130	6	30
o-Xylene	47.11	50.00	ug/L	94%		70-130	5	30
Benzene	47.09	50.00	ug/L	94%		70-130	6	30
Toluene	46.37	50.00	ug/L	93%		70-130	5	30
Ethylbenzene	46.92	50.00	ug/L	94%		70-130	6	30
Surrogates								
Dibromofluoromethane	50.35	50.00	ug/L	101%		70-140		
1,2-Dichloroethane-d4	48.87	50.00	ug/L	98%		70-140		
Toluene-d8	50.01	50.00	ug/L	100%		70-140		
Bromofluorobenzene	50.66	50.00	ug/L	101%		70-140		

ND Not Detected

APPENDIX B

LNAPL HAZARDOUS WASTE MANIFEST

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
CA8971524360	1	(424) 347-3088	016573366 FLE

GENERATOR

5. Generator's Name and Mailing Address
Defense Logistics Agency - Energy
1962 Freeman Avenue
Signal Hill, CA 90755
Generator's Phone: (562) 597-1055

Generator's Site Address (if different than mailing address)
DFSP Norwalk
15306 Norwalk Blvd.
Norwalk , CA 90650

6. Transporter 1 Company Name: NIETO & SONS TRUCKING, INC.
U.S. EPA ID Number: CAT080016116

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
World Oil Recycling
2000 N. Alameda St.
Compton, CA 90222
Facility's Phone: (310) 537-7100
U.S. EPA ID Number: CAT080013352

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN1993, Flammable Liquid, n.o.s., 3, PGII (contains jet fuel)	001	TT	220	G	133
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
ERG#:128 / Jet Fuel & Groundwater
Apex/ SGI Contact: (714) 608-1089
WEAR ALL APPROPRIATE PROTECTIVE CLOTHING
BESI: ~~335103~~ ~~335102~~ 335103

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Neil F. Irish On Behalf of and as an Agent of DLA Energy
Signature:
Month: 10 Day: 13 Year: 21

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Luis Zepeda
Signature:
Month: 10 Day: 13 Year: 21

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name:
Signature:
Month: Day: Year:

Certificate of Treatment/Recycling

ISSUED TO

DEFENSE LOGISTICS AGENCY

FOR

MANIFEST NUMBER 016573366FLE DATE RECEIVED 10/13/2021

The aqueous waste received on the above manifest will be treated to standards mandated by the FEDERAL CLEAN WATER ACT and to effluent requirements established by the Sanitation Districts of Los Angeles County. Waste treatment and recycling is performed under permits granted to DeMENNO/KERDOON, a California Corporation, by the California Department of Toxic Control (DTSC), in coordination with the Environmental Protection Agency, in accordance with the provisions of the Resource Conservation and Recovery Act (RCRA) of 1976, together with applicable federal and state regulations including but not limited to waste discharge requirements established by the Sanitation Districts of Los Angeles County.

When the above described waste material is accepted by DeMENNO/KERDOON and treated/recycled and the aqueous phase discharged for further treatment by the Sanitation Districts, the certificate holder's responsibility for the waste material is eliminated under both RCRA and Proposition 65. Upon request, DeMENNO/KERDOON will issue this certificate that all waste material has been handled in accordance with applicable permits and the certificate holder's liability has been terminated.

DeMENNO/KERDOON

"Compliance Through Recycling"

By: _____ *Date:* 11/2/2021

Cyrus Pourhassanian
Laboratory Manager

2000 North Alameda Street ❑ Compton ❑ California ❑ 90222
Telephone (310) 537-7100 ❑ Facsimile (310) 639-2946

*DeMENNO/KERDOON is d.b.a. World Oil Recycling

APPENDIX C

BIOSPARGE INFLUENCE TESTING SUMMARY

APPENDIX C:
BIOSPARGE INFLUENCE TESTING SUMMARY
DFSP Norwalk
15306 Norwalk Boulevard, Norwalk, California
Source Group / Apex Project No. 091-NOR-001 Task 2-10

INTRODUCTION

Apex performed influence testing of the existing biosparge system operating at the former Defense Fuel Support Point (DFSP) Norwalk facility located at 15306 Norwalk Boulevard, Norwalk, California (Site; Figure C1) during two field survey events in late September 2021 (Survey #1; September 15 – 22,2021) and again in late December 2021 (Survey #2; December 21 – 22, 2021). The purpose of the testing was to evaluate the influence of the biosparge system on nearby monitoring wells, investigate potential issues that could reduce treatment performance, and identify ways to optimize system performance in areas where hydrocarbon impacts appear to be recalcitrant based on dissolved concentration trends. Apex performed influence testing on a total of 15 biosparge wells and 14 nearby monitoring wells during Survey #1; 24 biosparge wells and 22 nearby monitoring wells were tested (including 6 wells that were also tested during Survey #1) during Survey #2. The soil lithology at the screens of all test wells is described as silts, fine to medium sands, and coarse sands. In addition to the field surveys, evaluation of the dissolved concentration trends since 2014 were evaluated for 41 select monitoring wells within the target treatment zone for the biosparge system.

The site layout and total petroleum hydrocarbon (TPH) distribution from the second semiannual 2021 monitoring event are presented in Figure C1. Field survey testing results for Surveys #1 and #2 are presented in Tables C1 and C2, respectively. The biosparge test well locations and generalized TPH concentration trends for selected nearby monitoring wells are presented in Figure C2. Dissolved oxygen (DO) and oxidation-reduction potential (ORP) field parameters collected during the semiannual groundwater monitoring events between spring of 2014 and fall of 2021 for 41 impacted monitoring wells (including the 30 wells tested during the field surveys) are presented in Table C3. Historical analytical results for dissolved TPH, diesel range (TPH-d) and TPH, gasoline range (TPH-g) are presented in Table C4; TPH-d and TPH-g concentration trends for the 41 selected wells are presented as Attachment A. A summary table of recommendations for each of the areas near the 30 monitoring wells tested is presented as Table C5.

SUMMARY OF BIOSPARGE INFLUENCE TESTING

The following section summarizes results and observations collected during the two biosparge influence surveys at the site. Field survey test results are presented in the attached tables, and include pressure responses at the nearby monitoring wells, and pressure readings from multiple locations along the conveyance lines between the system manifold and wellheads of each biosparge well tested.

Biosparge testing was performed using the existing system equipment, with the injection air supplied to the treatment wells via the Elmo Rietschle C-DLR 301, 25 horsepower rotary claw compressor. The system control solenoids were used to isolate air flow through the individual trunklines to the specific sparge control vault (SPCV) for testing the group of sparge wells

controlled from the SPCV. Air flow to the individual sparge wells was controlled via valves in each SPCV. Supplied pressures to the SPCVs and wellheads were measured using Magnehelic® pressure gauges. Pressure responses at the monitoring points were measured using low-range Magnehelic differential pressure gauges.

The following procedure was followed to collect the field survey data presented in Tables C1 and C2 and repeated for each group of biosparge wells tested:

- All active biosparge operations were shut down at least 12 hours prior to testing; for Survey #2, both active soil vapor extraction systems were also shutdown the day prior to testing.
- Pressure monitoring caps were installed on the biosparge wellheads.
- Pressure monitoring caps were installed on the nearby monitoring wells. The wells were allowed to equilibrate for at least 5 minutes (with sparge system off) and then baseline pressure measurements were recorded.
- The sparge system was then turned on, and air supply was activated for the specific trunkline and SPCV to be tested (i.e the trunkline control solenoid was opened).
- The pressure readings in the SPCV were collected at the system manifold and for all wells with the system active; all well valves were fully open during collection of readings.
- The valves were then closed for sparge wells in same the SPCV that were not tested.
- Air supply pressures at the system manifold and in the SPCV for the sparge wells tested were recorded again, and then wellhead pressures were recorded.
- After confirming that nearby biosparge wells are active, pressure responses were then recorded at the nearby monitoring wells using a low range Magnehelic gauge.
- Notes were made on any significant pressure drops observed between the SPCV and wellheads.

The pressure responses observed during Survey #1 ranged from 0 to 2.5 inches of water column ("WC) for the central area monitoring wells tested. Pressure responses in the eastern area wells were not observed during Survey #1, likely due to active soil vapor extraction operations during the testing. In general, the magnitude of pressure response above baseline levels in the central area wells was similar to or slightly higher than what was observed during the system optimization testing activities in 2017 (SGI, 2017[1]). Air supply pressures observed in Trunklines #1, #4, #5, and #6 indicated minimal headloss between the SPCV manifold and the wellheads of the biosparge wells test, except for well TFB-27 (Table C1). Apex field staff later identified a minor leak at the wellhead, which was confirmed to be fixed, based on the pressure readings collected at SPCV #16 and the TFB-27 wellhead during Survey #2 (Table C2).

Pressure responses observed during Survey #2 ranged between 0.085"WC (GMW-42) to 2.9"WC (TF-15), with observed pressure increases above baseline levels ranging from 0"WC (GMW-43 and GMW-14R) to 2.20"WC (GMW-21). There is poor correlation between the pressure response data collected and distance from the nearest biosparge well, suggesting that heterogenous injection air distribution in the subsurface (which is common for most sites). Headloss through the trunklines between the system manifold and the SPCV manifold ranged from 1 pound per square inch (psi) in Trunklines 6 and 14 to 8 psi in Trunkline 10. Significant headloss was also observed between the SPCV 19 manifold and the TFB-5 wellhead, between the SPCV 15 manifold and the wellheads for wells TFB-7 and TFB-10, and between SPCV9 and the RW-39 wellhead (Table C2).

[1] SGI, 2017. *System Optimization Testing Summary, Defense Fuel Support Point Norwalk*. October 11.

DISSOLVED CONCENTRATION TRENDS EVALUATION

The dissolved oxygen (DO), oxidation-reduction potential (ORP) concentrations since 2014 were evaluated for 41 select monitoring wells within the target treatment zone for the biosparge system (Table C3). Although the DO concentrations have fluctuated in some historically impacted wells (e.g. MW-9, GW-15, GW-16, GMW-14R), levels in most wells within the treatment zone have generally remained below 1 milligram per liter (mg/L) since 2014 and earlier. Likewise, ORP levels have generally remained negative (reducing conditions) for the majority of these 41 monitoring wells since 2014. These field parameter trends indicate that significant residual contaminant mass remains in the treatment zone, which is not uncommon for sites with significant mobile and residual light non-aqueous phase liquid (LNAPL) impacts. Given the high chemical and biological oxygen demand caused by the remaining contaminant mass, the relatively low injection flowrates, and the low oxygen content of the ambient air that has been injected via the network of biosparge wells, DO and ORP trends are not expected to increase until dissolved TPH-d and TPH-g concentrations are significantly reduced.

Analytical results for TPH-d and TPH-g from samples collected during the semiannual groundwater monitoring events between spring of 2014 and fall of 2021 are presented in Table C4. The TPH-d and TPH-g concentration trends for the same 41 wells were plotted and are presented as Attachment A. The generalized trend behavior for each well was color-coded (i.e. green = decreasing concentrations, orange = stable concentrations, and red = increasing concentrations) and those color codes were used on Figure C2, and Tables C1, C2, and C5 for data interpretation.

The historical analytical results indicated decreasing TPH-d and TPH-g concentration trends in 13 of the 41 wells evaluated (green on Figure C2). These wells are distributed throughout the treatment zone and results suggest that green wells with significant historical impacts are generally located within 35 feet of the nearest biosparge well, and pressure increases were observed in these wells during testing that ranged from 0.63 to 2.43” WC (Table C5).

Stable TPH-d concentration trends were identified in 18 of the 41 wells evaluated (yellow on Figure C2). These monitoring wells are also widely distributed throughout the treatment zone; however, the majority of these wells (11 of the 18 yellow-coded wells) are located greater than 35 feet from the nearest biosparge well. Additional treatment wells may be required in order to accelerate contaminant degradation in those areas. The seven exceptions include wells GMW-58 (9 feet from RW-8), MW-42 (22 feet from BSP-25), PZ-3 (26 feet from TFB-7), GW-16 (14 feet from RW-16), GMW-10 (9 feet from RW-39), and MW-15R (18 feet from BSP-15). Additional assessment of the biosparge operations in the vicinity of these seven wells is recommended, as discussed in the next section.

Increasing TPH-d concentration trends were identified in 10 of the 41 wells evaluated (red on Figure C2). The majority of these monitoring wells are located on the perimeter of the target treatment zone, located 40 feet or more from the nearest biosparge well. Some of these concentration increases are likely due to changes in plume dynamics caused by recent remedial operations. For example, concentration increases in GMW-4R are likely due to recent horizontal biosparge operations along the southern site boundary; increasing concentrations in wells MW-27 and TF-9R suggest the co-mingled dissolved plumes in that area are within the hydraulic capture zone of the groundwater extraction occurring in the northwest corner of the site. Additional treatment wells may be required in order to accelerate contaminant degradation in the areas near nine of the ten wells identified. For well GMW-4R, there are multiple existing

biosparge wells in that vicinity, and system optimization is expected to improve treatment performance in that area.

BIOSPARGE TESTING SUMMARY AND RECOMMENDATIONS

In general, the biosparge influence testing results are consistent with the system optimization testing performed in 2017 (SGI, 2017[2]). Pressure responses suggest a radius of influence of between 25 to 35 feet, likely dependent on lithologic conditions in the vicinity of each biosparge well. Specific recommendations for each of the 30 monitoring wells tested during the two field surveys are summarized in Table C5. In summary:

- Treatment performance was confirmed to be satisfactory in nine of the thirty wells, and no action is needed.
- Operational changes are recommended for the biosparge wells in the vicinity of nine monitoring wells with stable or increasing concentration trends and limited pressure responses, which would include increased injection air flowrates and changes to the biosparge cycling configuration. Followup testing would be performed to confirm improved influence at each monitoring well.
- Twelve monitoring wells were identified that are generally located greater 35 feet from the closest biosparge well with poor biosparge influence and stable/increasing concentrations. Apex recommends evaluating whether additional biosparge treatment wells are required in order to achieve site cleanup goals in these areas.

Additionally, the following tasks are recommended:

- Further evaluation of the dissolved TPH plume dynamics and biosparge treatment efficacy in the western area near wells MW-27, TF-9R, and GMW-41 where TPH concentrations are increasing. Quarterly sampling of wells GMW-34 (last sampled in April 2002), GMW-40 (last sampled in October 2016) and GMW-54 (last sampled in April 2017) is recommended to evaluate upgradient plume conditions.
- Further investigation to determine cause of the injection head loss observed at wellheads for biosparge wells TFB-5, TFB-7, TFB-10, and RW-39.
- Further investigation to determine the cause of the head loss observed in Trunklines 2, 7, and 10.

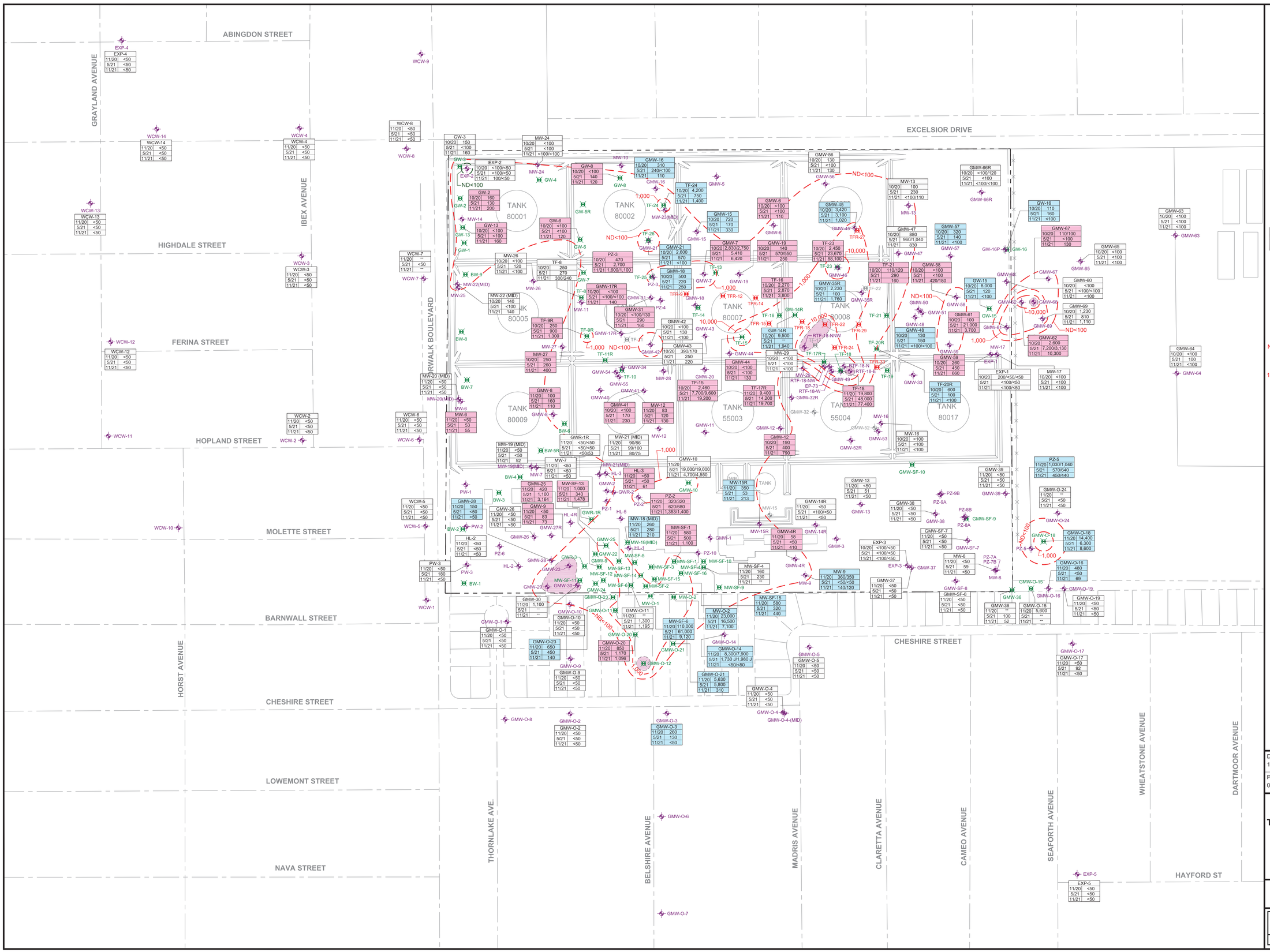
ATTACHMENTS:

FIGURE C1 – Total Petroleum Hydrocarbons in Groundwater, Second Semiannual 2021 Sampling Event
FIGURE C2 – Biosparge Influence Evaluation, Fourth Quarter 2021

TABLE C1 – Biosparge Influence Evaluation Results, Field Survey #1
TABLE C2 – Biosparge Influence Evaluation Results, Field Survey #2
TABLE C3 – Historical Analytical Results for TPH in Groundwater, November 1996 through November 2021.
TABLE C4 – Historical Analytical Results for ORP and DO in Groundwater, April 2014 through November 2021
TABLE C5 – Biosparge System Evaluation Summary

ATTACHMENT A: TPH-d and TPH-g Concentration Trends

[2] SGI, 2017. *System Optimization Testing Summary, Defense Fuel Support Point Norwalk*. October 11.



EXPLANATION:

- FORMER ABOVEGROUND STORAGE TANKS
- DFSP NORWALK BORDER
- WCW-14 — GROUNDWATER MONITORING WELL
- TFR-33 — TOTAL FLUIDS RECOVERY WELL
- GMW-14 — WELLS SHOWN IN GREY WERE DECOMMISSIONED BY DLA ENERGY PRIOR TO REMEDIAL EXCAVATION
- TF-26 — EXTRACTION WELL USED FOR VAPOR, GROUNDWATER, TOTAL FLUIDS, OR FLOATING PRODUCT EXTRACTION
- GMW-26 (11/20 <50; 5/21 <50; 11/21 <50) — TOTAL PETROLEUM HYDROCARBON (TPH) CONCENTRATIONS ARE THE SUMMATION OF TPH AS GASOLINE (TPHg) AND TPH AS DIESEL (TPHd) IN MICROGRAMS PER LITER (µg/L) FOR THE THREE MOST RECENT SEMIANNUAL EVENTS; WHERE THE DATABOX IS SHOWN IN WHITE, THE CONCENTRATION OF TPH HAS REMAINED SIMILAR (CONCENTRATION CHANGE IS LESS THAN 10%) AT THAT LOCATION SINCE THE FALL 2020 SEMIANNUAL MONITORING EVENT, OR THE DATASET SHOWN DOES NOT PROVIDE A BASIS FOR COMPARISON
- GMW-59 (10/20 260; 5/21 450; 11/21 660) — WHERE THE DATABOX IS SHOWN IN RED, THE CONCENTRATION OF TPH HAS INCREASED BY 10% OR MORE AT THAT LOCATION SINCE THE FALL 2020 SEMIANNUAL MONITORING EVENT
- GMW-57 (10/20 320; 5/21 140; 11/21 <100) — WHERE THE DATABOX IS SHOWN IN BLUE, THE CONCENTRATION OF TPH HAS DECREASED BY 10% OR MORE AT THAT LOCATION SINCE THE FALL 2020 SEMIANNUAL MONITORING EVENT
- <100 — NOT DETECTED AT OR ABOVE THE INDICATED LABORATORY REPORTING LIMIT
- -- — NOT SAMPLED / NOT ANALYZED
- <100/<100 — TWO CONCENTRATIONS ARE SHOWN WHERE DUPLICATE SAMPLES WERE ANALYZED
- J — ESTIMATED CONCENTRATION
- ND<100 - — ESTIMATED EXTENT OF DISSOLVED TPH IN GROUNDWATER (UPPERMOST AQUIFER) DETECTED AT CONCENTRATIONS ABOVE 100 MICROGRAMS PER LITER (µg/L)
- 1,000 — LINE OF EQUAL TPH CONCENTRATION IN GROUNDWATER (UPPERMOST AQUIFER)
- ND — DATA FOR THE DEEPER EXPOSITION AQUIFER ARE CONTOURED IN GREEN
- ESTIMATED EXTENT OF MEASURABLE LIGHT NONAQUEOUS PHASE LIQUID (LNAPL, FLOATING PRODUCT) ON GROUNDWATER. REFER TO FIGURE 3 OR TABLE 2 FOR MEASURED THICKNESSES

SURVEY NOTES:

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

0 120 240
APPROXIMATE SCALE IN FEET

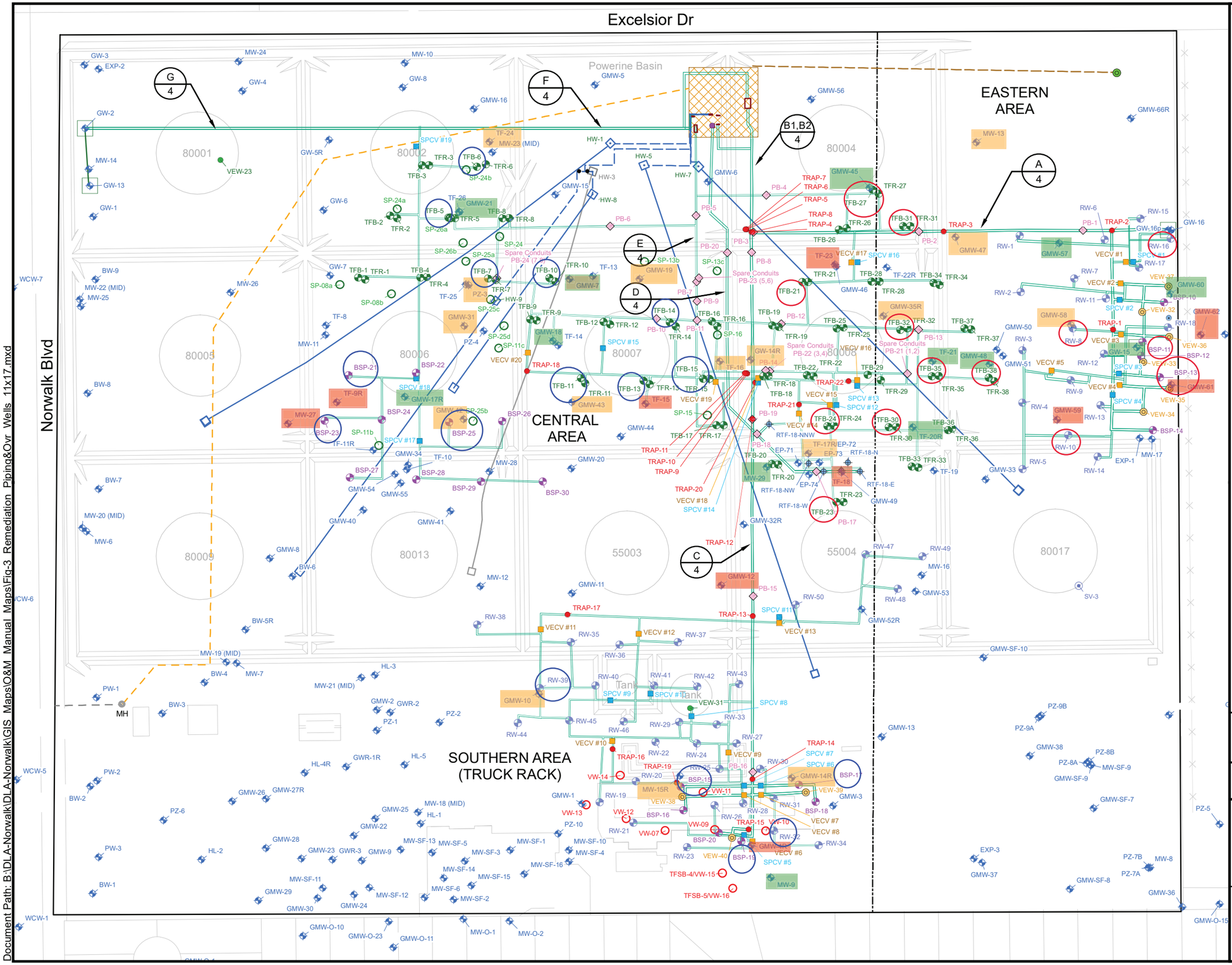
DATE: 12/2021	FILE NAME: DFSP-Norwalk-SE2-21.dwg
PROJECT No.: 091-NOR-001	CONTRACT: SPO-600-14-D-5410

TOTAL PETROLEUM HYDROCARBONS IN GROUNDWATER SECOND SEMIANNUAL 2021 SAMPLING EVENT

DFSP NORWALK
15306 NORWALK BOULEVARD
NORWALK, CALIFORNIA

SGI environmental | APEX

FIGURE C1



Document Path: B:\DLA-Norwalk\GIS Maps\O&M Manual Maps\Fig-3 Remediation Piping&Ovr Wells 11x17.mxd

LEGEND

- FORMER ABOVEGROUND STORAGE TANK
- DFSP NORWALK BORDER
- FENCE
- BERM
- WESTERN BOUNDARY OF EASTERN 15-ACRE PARCEL
- TREATMENT SYSTEM ENCLOSURE
- ELECTRIC POWER POLE
- UNDERGROUND ELECTRIC POWER LINE
- UNDERGROUND GWETS DISCHARGE LINE TO SEWER MANHOLE
- TRENCH LOCATIONS
- ABOVEGROUND GROUNDWATER EXTRACTION SYSTEM PIPING
- UNDERGROUND HORIZONTAL VAPOR EXTRACTION WELLS
- ABANDONED UNDERGROUND HORIZONTAL VAPOR EXTRACTION WELL
- HORIZONTAL VAPOR EXTRACTION SYSTEM PIPING
- BALL VALVE
- SYSTEM MANIFOLD WITHIN TREATMENT SYSTEM ENCLOSURE
- TFSB-5/VW-16 — VAPOR EXTRACTION WELLS (2004)
- VEW-31 — VAPOR EXTRACTION WELLS (PARSONS, 2004)
- VEW-40 — VAPOR EXTRACTION WELLS (NOVEMBER 2016)
- VMP-26 — VAPOR MONITORING PROBE (PARSONS, 2007)
- SP-26b — BIOSPARGE WELLS (AUGUST 2004)
- RW-50 — BIOSPARGE AND VAPOR EXTRACTION WELLS
- BSP-30 — BIOSPARGE WELLS
- TFR-38 — CO-LOCATED TOTAL FLUID AND BIOSPARGE WELLS
- TF-18 — TF-18 AREA LNAPL RECOVERY WELLS
- GMW-62 — TOTAL FLUID AND GROUNDWATER MONITORING WELLS
- PB-20 — PULL BOX (FOR WIRE OR TUBING)
- TRAP-22 — PVC CONDENSATE TRAP FOR VAPOR EXTRACTION PIPING
- VECV #20 — VAPOR EXTRACTION SYSTEM CONTROL VAULTS
- SPCV #19 — BIOSPARGE SYSTEM CONTROL VAULTS
- DECREASING TPH TREND
- STABLE TPH TREND
- LOW OR INCREASING TPH TREND
- CENTRAL AND SOUTHERN AREA BIOSPARGE WELL FOR INFLUENCE TEST
- EAST AREA BIOSPARGE WELL FOR INFLUENCE TEST

NOTES:

1. SPARE CONDUITS IN VECV #6 (2):
   1-INCH SCH. 40 PVC
   4-INCH SCH. 40 PVC (ROUTED THROUGH PULL BOXES FOR GWE)
2. HW-3 WAS ABANDONED IN-PLACE ON 6/7/19 AND 6/10/19 AND REPLACED WITH NEW HORIZONTAL WELLS HW-8 AND HW-9.

N

0 70 140 280 Feet

SCALE: 1 " = 140 '

DATE:	PROJECT NO:	DRAWN BY:	APPROVED BY:
08/2019	091-NDLA-018	SM	NI

BIOSPARGE INFLUENCE EVALUATION

FOURTH QUARTER 2021

DFSP NORWALK

15306 NORWALK BLVD.
NORWALK, CALIFORNIA 90650

SGI environmental | APEX

FIGURE

C2

TABLE C1 - Biosparge System Evaluation Results

Field Survey #1: September 15 - 22, 2021

DFSP Norwalk, 15306 Norwalk Blvd, Norwalk, California

Date	Monitoring Well	Pressure Readings			Nearest Biosparge Well	Distance feet	Trunkline	Control Vault	Pressure Readings (psi)				Notes
		Baseline "H2O	Biosparge Influence[1] "H2O	Pressure Increase During Sparging "H2O					System psi	SPCV Manifold psi	SPCV Well psi	Wellhead psi	
Eastern Area													
9/15/2021	**GW-16**	**0.0**	**0.0**	**0.0**	**RW-16**	*14*	**1**	SPCV 1	--	5.50	4.75	4.50	Well casing damage - slip cap may not have tight seal. Retested during Survey #2
--	**GW-15**	--	--	--	**BSP-11**	*14*	**5**	SPCV 2	--	--	--	--	Readings not taken - no access to GW-15.
9/22/2021	**GMW-61**	**<-1**	**0.0**	--	**BSP-13**	*18*		SPCV 3	--	--	4.75	4.75	
9/22/2021	**GMW-58**	**0.0**	**-2.5**	**-2.5**	**RW-8**	*9*			--	--	5.25	4.75	
9/21/2021	**GMW-59**	**-3.500**	**-3.8**	**-0.3**	**RW-10**	*26*		SPCV 4	--	4.50	4.75	4.50	
Central Area													
9/22/2021	**GMW-35R**	**0**	**0.0**	**0**	**TFB-32**	*31*	**6**	SPCV 13	--	5.00	4.75	4.50	
9/22/2021	**TF-21**	**<-1**	**0.0**	**>1**	**TFB-35**	*18*			--	5.00	4.50	4.25	
9/22/2021	**GMW-48**	**<-1**	**0.0**	**>1**	**TFB-38**	*18*			--	5.00	5.00	4.25	
9/15/2021	**TF-18**	**-21.0**	**-20.0**	**1.0**	**TFB-23**	*53*	**4**	SPCV 12	--	6.00	5.00	5.00	
9/15/2021	**TF-17R**	**-12.5**	**-11.0**	**1.5**	**TFB-24**	*44*			--	6.00	5.50	6.00	
9/15/2021	**TF-20R**	**-2.5**	**0.0**	**2.5**	**TFB-30**	*35*			--	6.00	5.50	5.50	
9/15/2021	**TF-19**[2]	**-7.0**	**-6.0**	**1.0**	**TFB-33**	*31*			--	6.00	6.00	5.00	
9/15/2021	**TF-23**	**0**	**0.0**	**0**	**TFB-21**	*53*	**1**	SPCV 16	--	4.50	4.50	5.00	
9/15/2021	**GMW-45**	**-3.0**	**-1.0**	**2.0**	**TFB-27**	*7*			--	4.50	4.50	1.08	
9/15/2021	**GMW-45**	**-3.0**	**-1.0**	**2.0**	**TFB-31**	*70*			--	4.50	3.50	5.00	

Legend / Notes:

1. The SVE system was on during testing, negative pressures indicate that the well was under vacuum, and an increase in negative pressure indicates influence from the nearby sparge well.
2. Dissolved concentration trend in well TF-19 is unknown (limited analytical data).

Monitoring well with decreasing dissolved TPH-d trends
Monitoring well with stable dissolved TPH-d trends
Monitoring well with increasing dissolved TPH-d trends
TPH-d = total petroleum hydrocarbons, diesel range

SPCV = Sparge Pressure Control Vault
-- = Reading not taken

"H2O = inches of water column
psi = pounds per square inch

TABLE C2 - Biosparge System Evaluation Results

Field Survey #2: December 21 - 22, 2021

DFSP Norwalk, 15306 Norwalk Blvd, Norwalk, California

	Monitoring Well Readings				Biosparge Well Readings								
		Pressure Readings							Pressure Readings (psi)				
Date	Monitoring Well	Baseline "H2O	Biosparge Influence[1] "H2O	Pressure Increase During Sparging "H2O	Nearest Biosparge Well	Distance feet	Trunkline	Control Vault	System psi	SPCV Manifold psi	SPCV Well psi	Wellhead psi	Notes
	Eastern Area												
12/22/21	GW-16	0.195	0.4	0.18	RW-16	*14*	1	SPCV 1	10.00	8.00	7.00	6.75	A modified slip cap was designed to accommodate well casing damage and create a tight seal for testing.
	Southern Area												
12/21/21	GMW-12	-0.05	0.26	0.31	RW-50	*105*	11	SPCV 11	--	6.00	6.00	5.25	
12/21/21	GMW-10	-0.05	0.2	0.25	RW-39	*9*		SPCV 9	--	5.00	5.00	3.00	Significant pressure drop observed between SPCV-9 and wellhead.
12/21/21	GMW-4R	0.44	0.65	0.21	BSP-19	*18*	2	SPCV 5	12.50	8.10	7.50	7.90	SPCV 5 readings taken with SPCV 7 sparge wells active; baseline readings likely not representative of static conditions.
12/21/21	MW-9	0.47	0.7	0.23	BSP-19	*70*			12.50	8.10	7.50	7.90	
12/21/21	GMW-14R	0.95	0.65	-0.30	BSP-17	*18*		SPCV 6	12.50	8.00	8.25	8.50	GMW-14R baseline reading (0.95 "H2O) taken after influence readings; likely not representative of static conditions.
12/21/21	GMW-4R	0.44	1.5	1.06	RW-32	*40*			12.50	8.00	8.00	8.40	SPCV 6 readings taken with SPCV 7 open.
12/21/21	MW-9	0.47	1.1	0.63	RW-32	*70*			12.50	8.00	8.00	8.40	
12/21/21	MW-15R	0.28	0.65	0.37	BSP-15	*18*		SPCV 7	12.50	9.00	8.50	8.50	SPCV 7 readings taken with SPCV 5 open.
	Central Area												
12/22/21	TF-23	0.135	0.975	0.84	TFB-21	*53*	1	SPCV 16	10.00	7.00	6.75	6.25	
12/22/21	GMW-45	0.09	0.80	0.71	TFB-27	*4*			10.00	7.00	7.00	6.25	
12/22/21	GMW-45	0.09	0.80	0.71	TFB-31	*70*			10.00	7.00	6.75	6.00	
12/22/21	GMW-42	0.04	0.085	0.05	BSP-25	*22*	10	SPCV 17	23.00	15.00	8.50	10.75	High headloss between system manifold and SPCV 17 manifold.
12/22/21	TF-9R	0.03	0.08	0.05	BSP-21	*44*	9	SPCV 18	--	16.50	16.50	16.00	
12/22/21	MW-27	-0.02	0.025	0.05	BSP-23	*53*			--	16.50	16.50	16.00	
12/22/21	GMW-21	0.0	2.2	2.20	TFB-5	*18*	8	SPCV 19	--	8.50	8.25	6.25	
12/22/21	TF-24	-0.045	0.130	0.18	TFB-6	*35*			--	8.50	8.50	7.25	
12/22/21	GMW-35R	0.29	0.45	0.16	TFB-32	*31*	6	SPCV 13	10.00	9.00	8.50	7.50	
12/22/21	TF-21	0.2	1.5	1.30	TFB-35	*18*			10.00	9.00	9.00	7.50	
12/22/21	GMW-48	0.115	0.950	0.84	TFB-38	*18*			10.00	9.00	8.50	7.50	
12/21/21	PZ-3	0.085	0.17	0.09	TFB-7	*26*	7	SPCV 15	--	13.00	12.50	8.50	Large pressure drop observed at wellhead. Trunkline 6 biosparge wells active during testing; baseline readings likely not representative of static conditions.
12/21/21	GMW-7	0.17	2.6	2.43	TFB-10	*26*			--	13.00	11.75	9.25	Trunkline 6 biosparge wells active during testing; baseling readings likely not representative of static conditions.
12/21/21	GMW-43	0.25	0.25	0.00	TFB-11	*35*			16.00	9.00	9.00	9.00	Trunkline 6 biosparge wells active during testing; baseling readings likely not representative of static conditions.
12/21/21	TF-15	2.6	2.9	0.30	TFB-13	*35*			16.00	9.00	8.00	7.50	Trunkline 6 biosparge wells active during testing; baseling readings likely not representative of static conditions.
12/21/21	GMW-19	0.22	0.24	0.02	TFB-14	*74*			16.00	9.00	9.00	8.50	Trunkline 6 biosparge wells active during testing; baseling readings likely not representative of static conditions.
12/22/21	TF-16	0.02	0.25	0.23	TFB-15	*35*	3	SPCV 14	11.00	10.00	9.50	8.00	Pressure observed at TFB-15 wellhead with sparge system off - assumed silted in. DTW =37.69', TD = 46.32'.

Legend / Notes:

1. SVE system was inactive during testing; several baseline pressure readings are elevated due to pressure influence from nearby sparge well groups that were active prior to collection of readings.

Monitoring well with decreasing dissolved TPH-d trends
Monitoring well with stable dissolved TPH-d trends
Monitoring well with increasing dissolved TPH-d trends

SPCV = Sparge Pressure Control Vault
-- = Reading not taken
TPH-d = total petroleum hydrocarbons, diesel range

"H2O = inches of water column
psi = pounds per square inch

TABLE C3
HISTORICAL ANALYTICAL RESULTS FOR TPH IN GROUNDWATER
NOVEMBER 1996 THROUGH NOVEMBER 2021

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well ID	Sample Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)
Uppermost Aquifer				
GMW-4	07/15/97	Terra Services	**1,300**	**2,100**
GMW-4	01/08/98	Terra Services	**380**	**530**
GMW-4	05/26/98	Terra Services	**2,300**	-----
GMW-4	11/18/99	Secor	**1,600**	-----
GMW-4	05/19/00	Secor	**2,500**	-----
GMW-4	04/10/03	Secor	**500**	-----
GMW-4	05/04/07	Secor	**2,000**	-----
GMW-4	04/16/08	BT for Parsons	**16,000**	-----
GMW-4	04/17/08	Secor	**4,400**	-----
GMW-4	11/21/08	Stantec	**4,900**	-----
GMW-4	04/23/09	Blaine Tech for AMEC GMX	**2,500**	-----
GMW-4	05/27/10	Blaine Tech	**2,200**	-----
GMW-4	10/05/10	Blaine Tech	**1,300**	-----
GMW-4	04/14/11	Blaine Tech	**2,800**	-----
GMW-4	10/12/11	CH2M Hill	**1,200**	-----
GMW-4	04/20/12	CH2M Hill	**4,600**	**25,000**
GMW-4	10/19/12	CHHL	**1,300**	**8,100**
GMW-4	04/12/13	CHHL	**2,100**	**8,000**
GMW-4	10/11/13	CHHL	**1,800**	**2,400**
GMW-4R	04/18/17	BT for CH2MHill	**84**	**70**
GMW-4R	10/05/17	BT for CH2MHill	<50	**70**
GMW-4R	04/19/18	BT for Jacobs	**100**	**50**
GMW-4R	11/08/18	BT for Jacobs	<50	<50
GMW-4R	04/18/19	BT for Jacobs	<50	<50
GMW-4R	10/30/19	BT for Jacobs	<50	<50
GMW-4R	05/08/20	BT for Jacobs	<50	<50
GMW-4R	11/05/20	BT for Jacobs	<50	**58**
GMW-4R	05/05/21	BT for Jacobs	<50	<50
GMW-4R	11/02/21	BT for Jacobs	**120**	**290**
GMW-7	05/21/98	BBC	-----	-----
GMW-7	12/01/00	IT Corporation	**520,000**	-----
GMW-7	04/30/15	SGI	**610**	**28,000**
GMW-7	10/11/16	SGI	**560**	**2,000**
GMW-7	10/10/17	SGI	**240**	**1,400**
GMW-7	04/20/18	SGI	**150**	**4,800 J**
GMW-7	11/12/18	SGI	**410**	**5,600**
GMW-7	04/22/19	SGI	**150**	**3,900**
GMW-7	11/06/19	SGI	**230**	**5,000**
GMW-7	05/11/20	SGI	**360**	**5,100**
GMW-7	10/26/20	SGI	**530**	**2,300**
GMW-7	05/12/21	SGI/Apex	**710**	**4,700**
GMW-7	11/08/21	SGI/Apex	<100	**110**
GMW-10	10/08/10	Blaine Tech	**4,800**	-----

TABLE C3
HISTORICAL ANALYTICAL RESULTS FOR TPH IN GROUNDWATER
NOVEMBER 1996 THROUGH NOVEMBER 2021

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

Well ID	Sample Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)
Uppermost Aquifer				
GMW-10	04/14/11	Blaine Tech	**5,700**	-----
GMW-10	10/14/11	CH2M Hill	**3,700**	-----
GMW-10	04/27/12	CH2M Hill	**3,000**	**3,100**
GMW-10	10/19/12	CHHL	**10,000**	**7,500**
GMW-10	04/12/13	CHHL	**14,000**	**100,000**
GMW-10	10/11/13	CHHL	**13,000**	**9,500**
GMW-10	10/28/15	BT for CH2MHill	**27,000**	**41,000**
GMW-10	05/06/21	BT for Jacobs	<500	**19,000**
GMW-10	11/03/21	BT for Jacobs	**200**	**4,500**
GMW-12	11/27/96	GSI	**99**	<500
GMW-12	07/10/97	GTI	**110**	**8,600**
GMW-12	01/06/98	GTI	<500	**1,000**
GMW-12	05/21/98	BBC	<300	-----
GMW-12	11/05/98	GTI	<300	-----
GMW-12	05/27/99	GTI	<300	-----
GMW-12	11/18/99	IT Corporation	<300	-----
GMW-12	05/17/00	IT Corporation	<300	-----
GMW-12	11/30/00	IT Corporation	<300	-----
GMW-12	05/09/01	IT Corporation	<300	-----
GMW-12	11/07/01	IT Corporation	<300	-----
GMW-12	04/11/02	IT Corporation	<300	-----
GMW-12	10/23/02	GTI	<300	-----
GMW-12	04/10/03	Secor	<50	-----
GMW-12	04/14/03	GTI	-----	-----
GMW-12	10/10/03	BT for Parsons	<100	-----
GMW-12	04/21/04	BT for Parsons	<100	-----
GMW-12	11/04/04	BT for Parsons	<100	-----
GMW-12	05/06/05	BT for Parsons	<100	-----
GMW-12	11/08/05	BT for Parsons	<100	-----
GMW-12	05/04/06	BT for Parsons	<100	-----
GMW-12	12/08/06	BT for Parsons	<100	-----
GMW-12	05/04/07	BT for Parsons	<100	-----
GMW-12	11/16/07	BT for Parsons	-----	-----
GMW-12	04/18/08	BT for Parsons	<100	-----
GMW-12	10/16/08	BT for Parsons	<100	-----
GMW-12	04/23/09	BT for Parsons	<100	-----
GMW-12	10/20/09	Blaine Tech for DESC	<100	-----
GMW-12	04/15/10	Blaine Tech for DESC	-----	-----
GMW-12	10/08/10	BT for Parsons	-----	-----
GMW-12	04/11/11	BT for Parsons	-----	-----
GMW-12	10/10/11	Parsons	-----	-----
GMW-12	04/16/12	Parsons	-----	-----
GMW-12	10/15/12	Parsons	-----	-----
GMW-12	04/09/13	Parsons	-----	**650 b**

TABLE C3
HISTORICAL ANALYTICAL RESULTS FOR TPH IN GROUNDWATER
NOVEMBER 1996 THROUGH NOVEMBER 2021

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

Well ID	Sample Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)
Uppermost Aquifer				
GMW-12	10/08/13	Parsons	<100	**700**
GMW-12	04/16/14	Parsons	<100	**1,200**
GMW-12	10/29/14	SGI	<100	**1,100**
GMW-12	04/28/15	SGI	<100	**960**
GMW-12	04/28/15	SGI	<100	**930**
GMW-12	10/10/16	SGI	<100	**1,400**
GMW-12	04/21/17	SGI	<100	**150**
GMW-12	10/04/17	SGI	<100	**1,100**
GMW-12	04/23/18	SGI	<100	**1,000**
GMW-12	11/12/18	SGI	<100	**1,100**
GMW-12	04/19/19	SGI	<100	**780**
GMW-12	10/30/19	SGI	<100	**600**
GMW-12	05/08/20	SGI	<100	**190**
GMW-12	10/22/20	SGI	<100	**190**
GMW-12	05/06/21	SGI/Apex	<100	**400**
GMW-12	11/08/21	SGI/Apex	<100	**790**
GMW-14	05/07/99	Alton Geoscience	<500	<500
GMW-14	11/17/99	Secor	<300	-----
GMW-14	05/16/00	Secor	<300	-----
GMW-14	11/30/00	Secor	<300	-----
GMW-14	05/09/01	Secor	<300	-----
GMW-14	11/06/01	Secor	<300	-----
GMW-14	04/10/02	Secor	<300	-----
GMW-14	10/07/03	Secor	<50	-----
GMW-14	04/22/04	Secor	**59**	-----
GMW-14	11/02/04	Secor	<50	-----
GMW-14	05/06/05	Secor	<50	-----
GMW-14	11/01/05	Secor	<50	-----
GMW-14	03/08/06	BT for Parsons	**520**	-----
GMW-14	05/02/06	Secor	<50	-----
GMW-14	12/07/06	Secor	<50	-----
GMW-14	05/04/07	Secor	<50	-----
GMW-14	11/14/07	Secor	**1,500**	-----
GMW-14	04/16/08	Secor	**440**	-----
GMW-14	07/29/08	BT for Parsons	**210**	-----
GMW-14	10/17/08	Stantec	**210**	-----
GMW-14	04/23/09	Blaine Tech for AMEC GMX	**120**	-----
GMW-14	10/22/09	BT for Parsons	**130**	-----
GMW-14	04/16/10	BT for Parsons	-----	-----
GMW-14	10/07/10	Blaine Tech	**160**	-----
GMW-14	04/13/11	Blaine Tech	<100	-----
GMW-14	10/12/11	CH2M Hill	**58**	-----
GMW-14	04/19/12	CH2M Hill	<50	**130**
GMW-14	10/17/12	CHHL	<50	**150**

TABLE C3
HISTORICAL ANALYTICAL RESULTS FOR TPH IN GROUNDWATER
NOVEMBER 1996 THROUGH NOVEMBER 2021

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

Well ID	Sample Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)
Uppermost Aquifer				
GMW-14	04/11/13	CHHL	<50	**110**
GMW-14	10/10/13	CHHL	<50	**110**
GMW-14	04/16/14	CHHL	<50	<50
GMW-14	10/30/14	BT for CH2MHill	<100	<50
GMW-14R	04/18/17	BT for CH2MHill	<50	<50
GMW-14R	10/05/17	BT for CH2MHill	<50	**71**
GMW-14R	04/19/18	BT for Jacobs	<50	<50
GMW-14R	11/08/18	BT for Jacobs	<50	<50
GMW-14R	04/18/19	BT for Jacobs	<50	<50
GMW-14R	10/30/19	BT for Jacobs	<50	<50
GMW-14R	05/11/20	BT for Jacobs	<50	<50
GMW-14R	11/05/20	BT for Jacobs	<50	<50
GMW-14R	05/04/21	BT for Jacobs	<50	<50
GMW-14R	05/10/21	SGI/Apex	<100	<100
GMW-14R	11/02/21	SGI/Apex	<50	<50
GMW-17	05/10/01	IT Corporation	**6,800**	-----
GMW-17	10/24/02	GTI	**49,000**	-----
GMW-17	04/14/03	GTI	-----	-----
GMW-17	10/10/03	BT for Parsons	-----	-----
GMW-17	04/22/04	BT for Parsons	-----	-----
GMW-17	11/06/04	BT for Parsons	-----	-----
GMW-17	05/10/05	BT for Parsons	-----	-----
GMW-17	11/08/05	BT for Parsons	-----	-----
GMW-17	05/05/06	BT for Parsons	-----	-----
GMW-17	12/08/06	BT for Parsons	-----	-----
GMW-17	05/03/07	BT for Parsons	-----	-----
GMW-17	11/14/07	BT for Parsons	-----	-----
GMW-17	04/18/08	BT for Parsons	-----	-----
GMW-17	10/17/08	BT for Parsons	-----	-----
GMW-17	04/22/09	BT for Parsons	**450**	-----
GMW-17	10/20/09	BT for Parsons	-----	-----
GMW-17	04/14/10	BT for Parsons	**1,200**	-----
GMW-17	10/05/10	BT for Parsons	**1,200**	-----
GMW-17	04/15/11	BT for Parsons	**750**	-----
GMW-17	10/10/11	Parsons	<1,100	-----
GMW-17	04/20/12	Parsons	**610**	-----
GMW-17	04/12/13	Parsons	**1,000 b**	**6,700**
GMW-17	10/09/13	Parsons	**680 HD**	**4,200 HD**
GMW-17	04/18/14	Parsons	**1,400 HD**	**5,700 HD**
GMW-17	10/31/14	SGI	**510**	**2,300**
GMW-17	10/31/14	SGI	**460**	**2,200**
GMW-17R	10/09/17	SGI	**640**	**1,200**
GMW-17R	04/20/18	SGI	**550**	**1,600 J**
GMW-17R	11/12/18	SGI	**1,300**	**1,600**

TABLE C3
HISTORICAL ANALYTICAL RESULTS FOR TPH IN GROUNDWATER
NOVEMBER 1996 THROUGH NOVEMBER 2021

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

Well ID	Sample Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)
Uppermost Aquifer				
GMW-17R	04/19/19	SGI	<100	**220**
GMW-17R	10/31/19	SGI	<100	<100
GMW-17R	05/07/20	SGI	<100	<100
GMW-17R	10/20/20	SGI	<100	<100
GMW-17R	05/04/21	SGI/Apex	<100	<100
GMW-17R	11/08/21	SGI/Apex	<100	140
GMW-18	04/14/03	GTI	-----	-----
GMW-18	10/08/03	BT for Parsons	-----	-----
GMW-18	04/21/04	BT for Parsons	-----	-----
GMW-18	11/04/04	BT for Parsons	-----	-----
GMW-18	05/06/05	BT for Parsons	-----	-----
GMW-18	11/08/05	BT for Parsons	-----	-----
GMW-18	05/04/06	BT for Parsons	-----	-----
GMW-18	12/08/06	BT for Parsons	-----	-----
GMW-18	05/03/07	BT for Parsons	-----	-----
GMW-18	11/15/07	BT for Parsons	-----	-----
GMW-18	04/17/08	BT for Parsons	-----	-----
GMW-18	10/16/08	BT for Parsons	-----	-----
GMW-18	04/23/09	BT for Parsons	**880**	-----
GMW-18	10/20/09	BT for Parsons	-----	-----
GMW-18	04/16/10	BT for Parsons	**1,500**	-----
GMW-18	04/20/12	Parsons	**2,100**	-----
GMW-18	07/10/12	Parsons	-----	-----
GMW-18	11/03/14	SGI	**15,000**	**230,000**
GMW-18	11/03/14	SGI	**37,000**	**220,000**
GMW-18	04/21/15	SGI	**4,300**	**300,000**
GMW-18	05/10/19	SGI	<100	**1,200**
GMW-18	05/11/20	SGI	<100	**1,600**
GMW-18	10/26/20	SGI	**120**	**380**
GMW-18	05/07/21	SGI/Apex	<100	**220**
GMW-18	11/08/21	SGI/Apex	<100	**250**
GMW-19	11/27/96	GSI	**3,000**	<500
GMW-19	07/10/97	GTI	<50	<50
GMW-19	01/07/98	GTI	<500	<100
GMW-19	05/21/98	BBC	<300	-----
GMW-19	11/06/98	GTI	<300	-----
GMW-19	05/27/99	GTI	<300	-----
GMW-19	11/18/99	IT Corporation	<300	-----
GMW-19	05/17/00	IT Corporation	<300	-----
GMW-19	12/01/00	IT Corporation	<300	-----
GMW-19	05/09/01	IT Corporation	<300	-----
GMW-19	11/08/01	IT Corporation	<300	-----
GMW-19	04/11/02	IT Corporation	<300	-----

TABLE C3
HISTORICAL ANALYTICAL RESULTS FOR TPH IN GROUNDWATER
NOVEMBER 1996 THROUGH NOVEMBER 2021

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

Well ID	Sample Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)
Uppermost Aquifer				
GMW-19	10/23/02	GTI	<300	-----
GMW-19	04/14/03	GTI	-----	-----
GMW-19	10/10/03	BT for Parsons	-----	-----
GMW-19	04/21/04	BT for Parsons	-----	-----
GMW-19	11/04/04	BT for Parsons	-----	-----
GMW-19	05/06/05	BT for Parsons	-----	-----
GMW-19	11/08/05	BT for Parsons	-----	-----
GMW-19	05/04/06	BT for Parsons	-----	-----
GMW-19	12/08/06	BT for Parsons	-----	-----
GMW-19	05/03/07	BT for Parsons	-----	-----
GMW-19	11/15/07	BT for Parsons	-----	-----
GMW-19	04/17/08	BT for Parsons	-----	-----
GMW-19	10/16/08	BT for Parsons	-----	-----
GMW-19	04/23/09	BT for Parsons	-----	-----
GMW-19	10/20/09	BT for Parsons	-----	-----
GMW-19	04/16/10	BT for Parsons	-----	-----
GMW-19	10/08/10	BT for Parsons	-----	-----
GMW-19	10/10/11	Parsons	-----	-----
GMW-19	04/18/12	Parsons	-----	-----
GMW-19	10/15/12	Parsons	-----	-----
GMW-19	04/10/13	Parsons	-----	**1200 b**
GMW-19	10/07/13	Parsons	<100	<100
GMW-19	04/14/14	Parsons	<100	<100
GMW-19	10/28/14	SGI	<100	**130**
GMW-19	10/28/14	SGI	<100	**120**
GMW-19	04/28/15	SGI	**490**	**1,000**
GMW-19	10/23/15	SGI	<100	**390**
GMW-19	04/21/17	SGI	<100	<100
GMW-19	10/03/17	SGI	<100	**210**
GMW-19	04/18/18	SGI	<100	**160**
GMW-19	11/06/18	SGI	**220**	**180**
GMW-19	04/22/19	SGI	**160**	**200**
GMW-19	11/06/19	SGI	<100	<100
GMW-19	05/06/20	SGI	<100	**170**
GMW-19	10/23/20	SGI	<100	**140**
GMW-19	05/06/21	SGI/Apex	**150**	**420**
GMW-19	11/08/21	SGI/Apex	<100	**250**
GMW-21	11/03/14	SGI	**1,500**	**2,500**
GMW-21	04/29/15	SGI	**300**	**2,200**
GMW-21	04/29/15	SGI	**300**	**2,100**
GMW-21	04/14/16	SGI	**170**	**1,300**
GMW-21	10/10/16	SGI	**130**	**2,500**
GMW-21	04/21/17	SGI	**180**	**3,300**
GMW-21	04/23/18	SGI	<100	**3,700**

TABLE C3
HISTORICAL ANALYTICAL RESULTS FOR TPH IN GROUNDWATER
NOVEMBER 1996 THROUGH NOVEMBER 2021

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

Well ID	Sample Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)
Uppermost Aquifer				
GMW-21	11/12/18	SGI	<100	**4,200**
DUPE-6 (GMW-21)	11/12/18	SGI	<100	**4,000**
GMW-21	04/19/19	SGI	<100	**3,000**
GMW-21	11/06/19	SGI	<100	**4,600**
GMW-21	05/11/20	SGI	<100	**470**
GMW-21	10/23/20	SGI	<100	**2,600**
GMW-21	05/12/21	SGI/Apex	<100	**570**
GMW-21	11/05/21	SGI/Apex	<100	<100
GMW-31	11/27/96	GSI	**1,100**	<500
GMW-31	07/10/97	GTI	**55**	**550**
GMW-31	01/07/98	GTI	<500	<100
GMW-31	05/21/98	BBC	<300	-----
GMW-31	11/06/98	GTI	<300	-----
GMW-31	05/27/99	GTI	<300	-----
GMW-31	11/18/99	IT Corporation	<300	-----
GMW-31	05/17/00	IT Corporation	<300	-----
GMW-31	12/01/00	IT Corporation	**530**	-----
GMW-31	05/10/01	IT Corporation	<300	-----
GMW-31	11/07/01	IT Corporation	<300	-----
GMW-31	04/10/02	IT Corporation	<300	-----
GMW-31	10/24/02	GTI	<300	-----
GMW-31	04/14/03	GTI	-----	-----
GMW-31	10/10/03	BT for Parsons	-----	-----
GMW-31	04/22/04	BT for Parsons	-----	-----
GMW-31	11/06/04	BT for Parsons	-----	-----
GMW-31	05/07/05	BT for Parsons	-----	-----
GMW-31	11/08/05	BT for Parsons	-----	-----
GMW-31	05/05/06	BT for Parsons	-----	-----
GMW-31	12/08/06	BT for Parsons	-----	-----
GMW-31	05/03/07	BT for Parsons	-----	-----
GMW-31	11/14/07	BT for Parsons	-----	-----
GMW-31	04/18/08	BT for Parsons	-----	-----
GMW-31	10/17/08	BT for Parsons	-----	-----
GMW-31	04/22/09	BT for Parsons	-----	-----
GMW-31	10/20/09	BT for Parsons	-----	-----
GMW-31	04/14/10	BT for Parsons	-----	-----
GMW-31	10/08/10	BT for Parsons	-----	-----
GMW-31	04/11/11	BT for Parsons	-----	-----
GMW-31	10/10/11	Parsons	-----	-----
GMW-31	04/16/12	Parsons	-----	-----
GMW-31	10/16/12	Parsons	-----	-----
GMW-31	04/08/13	Parsons	-----	**120 b**
GMW-31	10/07/13	Parsons	<100	**210**
GMW-31	04/14/14	Parsons	<100	**170**

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HISTORICAL ANALYTICAL RESULTS FOR TPH IN GROUNDWATER
NOVEMBER 1996 THROUGH NOVEMBER 2021

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

Well ID	Sample Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)
Uppermost Aquifer				
GMW-31	10/29/14	SGI	<100	**160**
GMW-31	04/28/15	SGI	<100	**340**
GMW-31	04/20/17	SGI	<100	**120**
GMW-31	10/05/17	SGI	<100	**270**
GMW-31	04/19/18	SGI	<100	**150**
GMW-31	11/08/18	SGI	<100	**230**
GMW-31	04/17/19	SGI	<100	<100
GMW-31	10/29/19	SGI	<100	**120**
GMW-31	05/06/20	SGI	<100	<100
GMW-31	10/20/20	SGI	<100	<100
GMW-31	05/06/21	SGI/Apex	<100	**290**
GMW-31	11/08/21	SGI/Apex	<100	**160**
GMW-35	05/09/01	IT Corporation	**20,000**	-----
GMW-35	04/10/03	GTI	-----	-----
GMW-35	10/10/03	BT for Parsons	-----	-----
GMW-35	04/21/04	BT for Parsons	-----	-----
GMW-35	11/04/04	BT for Parsons	-----	-----
GMW-35	05/05/05	BT for Parsons	-----	-----
GMW-35	11/05/05	BT for Parsons	-----	-----
GMW-35	05/03/06	BT for Parsons	-----	-----
GMW-35	12/08/06	BT for Parsons	-----	-----
GMW-35	05/04/07	BT for Parsons	-----	-----
GMW-35	11/15/07	BT for Parsons	-----	-----
GMW-35	04/17/08	BT for Parsons	-----	-----
GMW-35	04/24/09	BT for Parsons	-----	-----
GMW-35	04/16/10	BT for Parsons	-----	-----
GMW-35R	10/09/17	SGI	**160**	**1,400**
GMW-35R	04/23/18	SGI	**160**	**1,100**
DUP-6 (GMW-35R)	04/23/18	SGI	**110 J**	**1,100**
GMW-35R	11/12/18	SGI	**450**	**2,100**
GMW-35R	04/22/19	SGI	**190**	**1,300**
GMW-35R	11/06/19	SGI	**220**	**1,200**
GMW-35R	05/11/20	SGI	**1,200**	**2,100**
GMW-35R	10/26/20	SGI	**730**	**1,500**
GMW-35R	05/10/21	SGI/Apex	<100	**100**
GMW-35R	11/04/21	SGI/Apex	**460**	**1,300**
GMW-42	11/05/98	GTI	**7,530**	-----
GMW-42	05/27/99	GTI	**6,510**	-----
GMW-42	11/18/99	IT Corporation	**7,900**	-----
GMW-42	05/17/00	IT Corporation	**3,800**	-----
GMW-42	12/01/00	IT Corporation	**380**	-----
GMW-42	05/10/01	IT Corporation	**490**	-----
GMW-42	11/07/01	IT Corporation	<300	-----

TABLE C3
HISTORICAL ANALYTICAL RESULTS FOR TPH IN GROUNDWATER
NOVEMBER 1996 THROUGH NOVEMBER 2021

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

Well ID	Sample Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)
Uppermost Aquifer				
GMW-42	04/10/02	IT Corporation	<300	-----
GMW-42	10/09/13	Parsons	<100	**120 HD**
GMW-42	04/14/14	Parsons	<100	<100
GMW-42	10/27/14	SGI	<100	<100
GMW-42	04/22/15	SGI	<100	<100
GMW-42	04/17/17	SGI	<100	<100
GMW-42	10/03/17	SGI	<100	**180**
GMW-42	04/20/18	SGI	<100	**140**
GMW-42	11/08/18	SGI	<100	<100
GMW-42	04/17/19	SGI	<100	<100
GMW-42	10/29/19	SGI	<100	<100
GMW-42	05/06/20	SGI	<100	<100
GMW-42	10/20/20	SGI	<100	<100
GMW-42	05/04/21	SGI/Apex	<100	**130**
GMW-42	11/04/21	SGI/Apex	<100	<100
GMW-43	11/27/96	GSI	**620**	<500
GMW-43	07/10/97	GTI	<50	<50
GMW-43	01/07/98	GTI	<500	<100
GMW-43	05/21/98	BBC	<300	-----
GMW-43	11/05/98	GTI	<300	-----
GMW-43	05/27/99	GTI	<300	-----
GMW-43	11/18/99	IT Corporation	<300	-----
GMW-43	05/17/00	IT Corporation	<300	-----
GMW-43	11/30/00	IT Corporation	<300	-----
GMW-43	05/09/01	IT Corporation	<300	-----
GMW-43	11/07/01	IT Corporation	<300	-----
GMW-43	04/11/02	IT Corporation	<300	-----
GMW-43	10/23/02	GTI	<300	-----
GMW-43	04/14/03	GTI	-----	-----
GMW-43	10/08/03	BT for Parsons	-----	-----
GMW-43	04/21/04	BT for Parsons	-----	-----
GMW-43	11/06/04	BT for Parsons	-----	-----
GMW-43	05/10/05	BT for Parsons	-----	-----
GMW-43	11/08/05	BT for Parsons	-----	-----
GMW-43	05/04/06	BT for Parsons	-----	-----
GMW-43	12/08/06	BT for Parsons	-----	-----
GMW-43	05/03/07	BT for Parsons	-----	-----
GMW-43	11/15/07	BT for Parsons	-----	-----
GMW-43	04/17/08	BT for Parsons	-----	-----
GMW-43	10/16/08	BT for Parsons	-----	-----
GMW-43	04/23/09	BT for Parsons	-----	-----
GMW-43	10/21/09	BT for Parsons	-----	-----
GMW-43	04/15/10	BT for Parsons	-----	-----
GMW-43	10/08/10	BT for Parsons	-----	-----

TABLE C3
HISTORICAL ANALYTICAL RESULTS FOR TPH IN GROUNDWATER
NOVEMBER 1996 THROUGH NOVEMBER 2021

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

Well ID	Sample Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)
Uppermost Aquifer				
GMW-43	04/11/11	BT for Parsons	-----	-----
GMW-43	10/11/11	Parsons	-----	-----
GMW-43	04/16/12	Parsons	-----	-----
GMW-43	10/16/12	Parsons	-----	-----
GMW-43	04/08/13	Parsons	-----	<100
GMW-43	10/07/13	Parsons	<100	**180**
GMW-43	04/14/14	Parsons	<100	<100
GMW-43	10/27/14	SGI	<100	<100
GMW-43	04/22/15	SGI	<100	<100
GMW-43	04/17/17	SGI	<100	**550**
GMW-43	04/18/18	SGI	<100	**660**
GMW-43	11/06/18	SGI	<100	**240**
GMW-43	04/19/19	SGI	<100	**190**
GMW-43	10/31/19	SGI	<100	**300**
GMW-43	05/06/20	SGI	<100	**190**
GMW-43	10/22/20	SGI	<100	**390**
GMW-43	05/10/21	SGI/Apex	<100	**250**
GMW-43	11/08/21	SGI/Apex	<100	**220**
GMW-45	11/22/96	GSI	**23,000**	<500
GMW-45	07/09/97	GTI	**1,100**	**2,700**
GMW-45	01/06/98	GTI	**3,200**	**3,400**
GMW-45	05/20/98	BBC	**4,200**	-----
GMW-45	11/05/98	GTI	**1,400**	-----
GMW-45	05/27/99	GTI	**3,750**	-----
GMW-45	11/18/99	IT Corporation	**3,960**	-----
GMW-45	05/17/00	IT Corporation	**5,200**	-----
GMW-45	11/29/00	IT Corporation	**2,400**	-----
GMW-45	05/09/01	IT Corporation	**6,500**	-----
GMW-45	11/07/01	IT Corporation	**5,700**	-----
GMW-45	04/10/02	IT Corporation	**9,800**	-----
GMW-45	10/23/02	GTI	**3,200**	-----
GMW-45	04/10/03	GTI	-----	-----
GMW-45	10/08/03	BT for Parsons	-----	-----
GMW-45	04/21/04	BT for Parsons	-----	-----
GMW-45	11/04/04	BT for Parsons	-----	-----
GMW-45	05/05/05	BT for Parsons	-----	-----
GMW-45	11/05/05	BT for Parsons	-----	-----
GMW-45	05/03/06	BT for Parsons	-----	-----
GMW-45	12/05/06	BT for Parsons	-----	-----
GMW-45	05/02/07	BT for Parsons	-----	-----
GMW-45	11/14/07	BT for Parsons	-----	-----
GMW-45	04/16/08	BT for Parsons	-----	-----
GMW-45	10/15/08	BT for Parsons	-----	-----
GMW-45	04/21/09	BT for Parsons	-----	-----

TABLE C3
HISTORICAL ANALYTICAL RESULTS FOR TPH IN GROUNDWATER
NOVEMBER 1996 THROUGH NOVEMBER 2021

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

Well ID	Sample Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)
Uppermost Aquifer				
GMW-45	10/21/09	BT for Parsons	-----	-----
GMW-45	04/12/10	BT for Parsons	-----	-----
GMW-45	10/07/10	BT for Parsons	-----	-----
GMW-45	04/14/11	BT for Parsons	-----	-----
GMW-45	10/11/11	Parsons	-----	-----
GMW-45	04/19/12	Parsons	-----	-----
GMW-45	10/17/12	Parsons	-----	-----
GMW-45	04/11/13	Parsons	-----	**3,400**
GMW-45	10/30/14	SGI	**1,500**	**3,700**
GMW-45	10/10/16	SGI	**2,200**	**4,500**
GMW-45	05/10/19	SGI	**3,500**	**25,000**
GMW-45	11/07/19	SGI	**4,300**	**9,400**
GMW-45	05/11/20	SGI	**1,500**	**2,700**
GMW-45	10/26/20	SGI	**2,700**	**720**
GMW-45	05/10/21	SGI/Apex	**1,200**	**1,900**
GMW-45	11/08/21	SGI/Apex	**230**	**790**
GMW-47	11/27/96	GSI	**9,600**	<500
GMW-47	07/09/97	GTI	**420**	**93**
GMW-47	01/06/98	GTI	**1,900**	<100
GMW-47	05/20/98	BBC	<300	-----
GMW-47	11/05/98	GTI	**1,700**	-----
GMW-47	05/26/99	GTI	<300	-----
GMW-47	11/18/99	IT Corporation	**2,100**	-----
GMW-47	05/17/00	IT Corporation	**7,200**	-----
GMW-47	11/29/00	IT Corporation	**990**	-----
GMW-47	03/30/01	IT Corporation	-----	-----
GMW-47	05/09/01	IT Corporation	**7,600**	-----
GMW-47	11/07/01	IT Corporation	**1,500**	-----
GMW-47	04/10/02	IT Corporation	**4,100**	-----
GMW-47	10/23/02	GTI	**4,000**	-----
GMW-47	04/09/03	GTI	-----	-----
GMW-47	09/18/03	BT for Parsons	-----	-----
GMW-47	10/08/03	BT for Parsons	**140**	-----
GMW-47	02/21/04	BT for Parsons	-----	-----
GMW-47	04/21/04	BT for Parsons	**160**	-----
GMW-47	07/21/04	BT for Parsons	**330**	-----
GMW-47	11/03/04	BT for Parsons	<100	-----
GMW-47	03/02/05	BT for Parsons	**170**	-----
GMW-47	05/05/05	BT for Parsons	**420**	-----
GMW-47	08/04/05	BT for Parsons	<100	-----
GMW-47	11/05/05	BT for Parsons	<100	-----
GMW-47	03/08/06	BT for Parsons	<100	-----
GMW-47	05/03/06	BT for Parsons	<100	-----
GMW-47	07/28/06	BT for Parsons	<100	-----

TABLE C3
HISTORICAL ANALYTICAL RESULTS FOR TPH IN GROUNDWATER
NOVEMBER 1996 THROUGH NOVEMBER 2021

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

Well ID	Sample Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)
Uppermost Aquifer				
GMW-47	12/05/06	BT for Parsons	<100	-----
GMW-47	03/23/07	BT for Parsons	<100	-----
GMW-47	05/02/07	BT for Parsons	<100	-----
GMW-47	08/31/07	BT for Parsons	<100	-----
GMW-47	11/13/07	BT for Parsons	<100	-----
GMW-47	02/07/08	BT for Parsons	<100	-----
GMW-47	04/16/08	BT for Parsons	<100	-----
GMW-47	07/29/08	BT for Parsons	<100	-----
GMW-47	10/15/08	BT for Parsons	<100	-----
GMW-47	02/12/09	BT for Parsons	**170**	-----
GMW-47	04/20/09	BT for Parsons	**180**	-----
GMW-47	07/20/09	Blaine Tech for AMEC GMX	**200**	-----
GMW-47	10/19/09	BT for Parsons	**170**	-----
GMW-47	01/11/10	BT for Parsons	-----	-----
GMW-47	04/19/10	BT for Parsons	-----	-----
GMW-47	10/06/10	BT for Parsons	-----	-----
GMW-47	01/11/11	BT for Parsons	-----	-----
GMW-47	04/14/11	BT for Parsons	-----	-----
GMW-47	07/12/11	Parsons	-----	-----
GMW-47	10/11/11	Parsons	-----	-----
GMW-47	01/10/12	Parsons	-----	-----
GMW-47	04/20/12	Parsons	-----	-----
GMW-47	07/10/12	Parsons	-----	-----
GMW-47	10/17/12	Parsons	-----	-----
GMW-47	01/15/13	Parsons	-----	**580 b**
GMW-47	04/11/13	Parsons	-----	**1,500 b**
GMW-47	10/08/13	Parsons	<100	**990**
GMW-47	04/16/14	Parsons	<100	**1,500**
GMW-47	10/29/14	SGI	<100	**2,100**
GMW-47	04/28/15	SGI	<100	**2,100**
GMW-47	10/26/15	SGI	<100	**1,300**
GMW-47	04/14/16	SGI	<100	**450**
GMW-47	10/07/16	SGI	<100	**2,000**
GMW-47	04/21/17	SGI	<100	**860**
GMW-47	10/04/17	SGI	<100	**980**
GMW-47	04/23/18	SGI	<100	**890**
GMW-47	11/12/18	SGI	<100	**2,400**
GMW-47	04/22/19	SGI	<100	**1,000**
GMW-47	05/10/19	SGI	<100	**2,100**
GMW-47	11/06/19	SGI	<100	**600**
GMW-47	05/08/20	SGI	**170**	**1,800**
GMW-47	10/26/20	SGI	**130**	**750**
GMW-47	05/10/21	SGI/Apex	**140**	**790**
GMW-47	11/05/21	SGI/Apex	**240**	**590**

TABLE C3
HISTORICAL ANALYTICAL RESULTS FOR TPH IN GROUNDWATER
NOVEMBER 1996 THROUGH NOVEMBER 2021

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well ID	Sample Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)
Uppermost Aquifer				
GMW-48	11/22/96	GSI	**56,000**	<500
GMW-48	10/09/13	Parsons	**1,200 HD**	**3,100**
GMW-48	04/17/14	Parsons	**1,800 HD**	**1,900**
GMW-48	10/31/14	SGI	**2,600**	**3,100**
GMW-48	04/29/15	SGI	**1,000**	**2,400**
GMW-48	10/26/15	SGI	**1,500**	**1,800**
GMW-48	10/11/16	SGI	**470**	**1,100**
GMW-48	04/21/17	SGI	**460**	**1,500**
GMW-48	10/09/17	SGI	**360**	**1,400**
GMW-48	04/23/18	SGI	**280**	**810**
GMW-48	11/15/18	SGI	**150**	**690**
GMW-48	04/18/19	SGI	<100	**500**
GMW-48	10/30/19	SGI	<100	**450**
GMW-48	05/08/20	SGI	<100	<100
GMW-48	10/21/20	SGI	<100	**130**
GMW-48	05/05/21	SGI/Apex	<100	**150**
GMW-48	11/04/21	SGI/Apex	<100	<100
GMW-57	11/05/98	GTI	<300	-----
GMW-57	05/26/99	GTI	**379**	-----
GMW-57	11/18/99	IT Corporation	**4,000**	-----
GMW-57	05/17/00	IT Corporation	**17,000**	-----
GMW-57	11/29/00	IT Corporation	**11,000**	-----
GMW-57	03/30/01	IT Corporation	-----	-----
GMW-57	05/09/01	IT Corporation	**28,000**	-----
GMW-57	11/07/01	IT Corporation	**19,000**	-----
GMW-57	04/10/02	IT Corporation	**5,000**	-----
GMW-57	10/23/02	GTI	**1,700**	-----
GMW-57	04/09/03	GTI	-----	-----
GMW-57	09/18/03	BT for Parsons	-----	-----
GMW-57	10/11/03	BT for Parsons	**200**	-----
GMW-57	02/21/04	BT for Parsons	-----	-----
GMW-57	04/21/04	BT for Parsons	**110**	-----
GMW-57	07/21/04	BT for Parsons	**340**	-----
GMW-57	11/03/04	BT for Parsons	**120**	-----
GMW-57	03/02/05	BT for Parsons	**400**	-----
GMW-57	05/05/05	BT for Parsons	**280**	-----
GMW-57	08/04/05	BT for Parsons	**170**	-----
GMW-57	11/05/05	BT for Parsons	**120**	-----
GMW-57	03/08/06	BT for Parsons	**180**	-----
GMW-57	05/03/06	BT for Parsons	<100	-----
GMW-57	07/28/06	BT for Parsons	**180**	-----
GMW-57	12/05/06	BT for Parsons	<100	-----
GMW-57	03/23/07	BT for Parsons	**120**	-----
GMW-57	05/02/07	BT for Parsons	**120**	-----

TABLE C3
HISTORICAL ANALYTICAL RESULTS FOR TPH IN GROUNDWATER
NOVEMBER 1996 THROUGH NOVEMBER 2021

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well ID	Sample Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)
Uppermost Aquifer				
GMW-57	08/31/07	BT for Parsons	**110**	-----
GMW-57	11/13/07	BT for Parsons	**160**	-----
GMW-57	02/07/08	BT for Parsons	**150**	-----
GMW-57	04/16/08	BT for Parsons	<100	-----
GMW-57	07/29/08	BT for Parsons	<100	-----
GMW-57	10/15/08	BT for Parsons	<100	-----
GMW-57	02/12/09	BT for Parsons	<100	-----
GMW-57	04/20/09	BT for Parsons	<100	-----
GMW-57	07/21/09	Blaine Tech for AMEC GMX	<100	-----
GMW-57	10/19/09	BT for Parsons	<100	-----
GMW-57	01/11/10	BT for Parsons	-----	-----
GMW-57	04/12/10	BT for Parsons	-----	-----
GMW-57	10/06/10	BT for Parsons	-----	-----
GMW-57	01/10/11	BT for Parsons	-----	-----
GMW-57	04/11/11	BT for Parsons	-----	-----
GMW-57	07/11/11	Parsons	-----	-----
GMW-57	10/11/11	Parsons	-----	-----
GMW-57	01/09/12	Parsons	-----	-----
GMW-57	04/17/12	Parsons	-----	-----
GMW-57	07/09/12	Parsons	-----	-----
GMW-57	10/16/12	Parsons	-----	-----
GMW-57	01/14/13	Parsons	-----	<100
GMW-57	04/08/13	Parsons	-----	**180 b**
GMW-57	10/08/13	Parsons	<100	**140**
GMW-57	04/16/14	Parsons	<100	**340**
GMW-57	10/29/14	SGI	**140**	**380**
GMW-57	04/28/15	SGI	<100	**310**
GMW-57	10/22/15	SGI	<100	**440**
GMW-57	04/13/16	SGI	<100	**400**
GMW-57	10/07/16	SGI	<100	**570**
GMW-57	04/20/17	SGI	<100	**670**
GMW-57	10/04/17	SGI	<100	**380**
GMW-57	04/17/18	SGI	<100	**370**
GMW-57	11/09/18	SGI	<100	**730**
GMW-57	04/18/19	SGI	<100	**370**
GMW-57	10/30/19	SGI	<100	**460**
GMW-57	05/08/20	SGI	**160**	**170**
GMW-57	10/23/20	SGI	<100	**320**
GMW-57	05/10/21	SGI/Apex	<100	**140**
GMW-57	11/04/21	SGI/Apex	<100	<100
GMW-58	11/04/98	GTI	**2,590**	-----
GMW-58	05/26/99	GTI	**1,360**	-----
GMW-58	11/18/99	IT Corporation	**1,600**	-----
GMW-58	05/17/00	IT Corporation	**21,000**	-----

TABLE C3
HISTORICAL ANALYTICAL RESULTS FOR TPH IN GROUNDWATER
NOVEMBER 1996 THROUGH NOVEMBER 2021

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well ID	Sample Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)
Uppermost Aquifer				
GMW-58	03/02/05	BT for Parsons	**5,800**	-----
GMW-58	05/05/05	BT for Parsons	**12,000**	-----
GMW-58	08/04/05	BT for Parsons	**5,800**	-----
GMW-58	11/05/05	BT for Parsons	**6,300**	-----
GMW-58	03/08/06	BT for Parsons	**5,300**	-----
GMW-58	05/03/06	BT for Parsons	**2,900**	-----
GMW-58	07/28/06	BT for Parsons	**3,200**	-----
GMW-58	03/23/07	BT for Parsons	**1,700**	-----
GMW-58	05/02/07	BT for Parsons	**2,200**	-----
GMW-58	08/31/07	BT for Parsons	**3,000**	-----
GMW-58	11/13/07	BT for Parsons	**2,000**	-----
GMW-58	02/07/08	BT for Parsons	**1,100**	-----
GMW-58	04/16/08	BT for Parsons	**1,100**	-----
GMW-58	07/29/08	BT for Parsons	**870**	-----
GMW-58	10/15/08	BT for Parsons	**1,200**	-----
GMW-58	02/12/09	BT for Parsons	**1,000**	-----
GMW-58	04/20/09	BT for Parsons	**130**	-----
GMW-58	07/20/09	Blaine Tech for AMEC GMX	**100**	-----
GMW-58	10/19/09	BT for Parsons	**1,000**	-----
GMW-58	01/11/10	BT for Parsons	-----	-----
GMW-58	04/19/10	BT for Parsons	-----	-----
GMW-58	10/06/10	BT for Parsons	-----	-----
GMW-58	01/10/11	BT for Parsons	-----	-----
GMW-58	04/13/11	BT for Parsons	-----	-----
GMW-58	07/11/11	Parsons	-----	-----
GMW-58	10/11/11	Parsons	-----	-----
GMW-58	04/18/12	Parsons	-----	-----
GMW-58	07/10/12	Parsons	-----	-----
GMW-58	10/17/12	Parsons	-----	-----
GMW-58	01/15/13	Parsons	-----	**420 b**
GMW-58	04/10/13	Parsons	-----	**1,600 b**
GMW-58	10/08/13	Parsons	**460**	**1,200**
GMW-58	04/16/14	Parsons	**600**	**920**
GMW-58	10/29/14	SGI	**280**	**340**
GMW-58	10/29/14	SGI	**260**	**420**
GMW-58	04/28/15	SGI	<100	**410**
GMW-58	04/15/16	SGI	<100	**290**
GMW-58	04/20/17	SGI	**150**	**1,400**
GMW-58	10/09/17	SGI	<100	**960**
GMW-58	11/07/19	SGI	**390**	**1,400**
GMW-58	05/11/20	SGI	<100	**140**
GMW-58	10/22/20	SGI	<100	<100
GMW-58	05/05/21	SGI/Apex	<100	<100
GMW-58	11/02/21	SGI/Apex	<100	**420**

TABLE C3
HISTORICAL ANALYTICAL RESULTS FOR TPH IN GROUNDWATER
NOVEMBER 1996 THROUGH NOVEMBER 2021

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

Well ID	Sample Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)
Uppermost Aquifer				
GMW-59	11/04/98	GTI	**9,880**	-----
GMW-59	11/29/00	IT Corporation	**67,000**	-----
GMW-59	04/10/03	GTI	-----	-----
GMW-59	10/08/03	BT for Parsons	-----	-----
GMW-59	04/21/04	BT for Parsons	-----	-----
GMW-59	11/03/04	BT for Parsons	-----	-----
GMW-59	03/02/05	BT for Parsons	**4,200**	-----
GMW-59	05/05/05	BT for Parsons	**11,000**	-----
GMW-59	08/04/05	BT for Parsons	**6,400**	-----
GMW-59	11/05/05	BT for Parsons	**9,500**	-----
GMW-59	03/08/06	BT for Parsons	**4,600**	-----
GMW-59	05/03/06	BT for Parsons	**9,900**	-----
GMW-59	07/28/06	BT for Parsons	**3,200**	-----
GMW-59	12/05/06	BT for Parsons	-----	-----
GMW-59	03/23/07	BT for Parsons	**8,200**	-----
GMW-59	05/02/07	BT for Parsons	**4,800**	-----
GMW-59	08/31/07	BT for Parsons	**4,800**	-----
GMW-59	11/13/07	BT for Parsons	**4,700**	-----
GMW-59	02/07/08	BT for Parsons	**3,200**	-----
GMW-59	04/16/08	BT for Parsons	**3,600**	-----
GMW-59	07/29/08	BT for Parsons	**2,300**	-----
GMW-59	10/15/08	BT for Parsons	**2,500**	-----
GMW-59	02/12/09	BT for Parsons	**2,500**	-----
GMW-59	04/20/09	BT for Parsons	**8,500**	-----
GMW-59	07/20/09	Blaine Tech for AMEC GMX	**6,700**	-----
GMW-59	10/21/09	BT for Parsons	**2,600**	-----
GMW-59	01/11/10	BT for Parsons	-----	-----
GMW-59	04/19/10	BT for Parsons	**2,900**	-----
GMW-59	10/06/10	BT for Parsons	**850**	-----
GMW-59	01/11/11	BT for Parsons	**2,500**	-----
GMW-59	04/14/11	BT for Parsons	**10,000**	-----
GMW-59	07/12/11	Parsons	**1,400**	-----
GMW-59	10/11/11	Parsons	<1,800	-----
GMW-59	01/10/12	Parsons	**2,800**	-----
GMW-59	04/20/12	Parsons	**3,100**	-----
GMW-59	07/10/12	Parsons	-----	-----
GMW-59	10/19/12	Parsons	**3,400 HD**	-----
GMW-59	01/15/13	Parsons	**2,400**	**1,500 b**
GMW-59	04/12/13	Parsons	**2,500 HD**	**8,200**
GMW-59	10/09/13	Parsons	**1,400**	**3,100**
GMW-59	04/18/14	Parsons	**5,600**	**7,700**
GMW-59	11/03/14	SGI	**1,500**	**2,000**
GMW-59	04/29/15	SGI	**910**	**1,600**
GMW-59	10/26/15	SGI	**3,000**	**2,600**
GMW-59	04/14/16	SGI	**640**	**3,300**

TABLE C3
HISTORICAL ANALYTICAL RESULTS FOR TPH IN GROUNDWATER
NOVEMBER 1996 THROUGH NOVEMBER 2021

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

Well ID	Sample Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)
Uppermost Aquifer				
GMW-59	10/11/16	SGI	**470**	**1,800**
GMW-59	04/21/17	SGI	**400**	**1,300**
GMW-59	10/09/17	SGI	**210**	**960**
GMW-59	04/23/18	SGI	<100	**770**
GMW-59	11/09/18	SGI	<100	**100**
GMW-59	04/18/19	SGI	<100	**340**
GMW-59	10/30/19	SGI	<100	**480**
GMW-59	05/08/20	SGI	<100	**150**
GMW-59	10/22/20	SGI	<100	**260**
GMW-59	05/10/21	SGI/Apex	<100	**450**
GMW-59	11/04/21	SGI/Apex	<100	**660**
GMW-60	07/21/04	BT for Parsons	**15,000**	---
GMW-60	11/03/04	BT for Parsons	**12,000**	---
GMW-60	03/02/05	BT for Parsons	**8,300**	---
GMW-60	05/05/05	BT for Parsons	**9,400**	---
GMW-60	08/04/05	BT for Parsons	**6,200**	---
GMW-60	11/05/05	BT for Parsons	**7,200**	---
GMW-60	03/08/06	BT for Parsons	**5,900**	---
GMW-60	05/03/06	BT for Parsons	**3,900**	---
GMW-60	07/28/06	BT for Parsons	**4,600**	---
GMW-60	12/05/06	BT for Parsons	**4,100**	---
GMW-60	03/23/07	BT for Parsons	**3,500**	---
GMW-60	05/02/07	BT for Parsons	**2,800**	---
GMW-60	08/31/07	BT for Parsons	**2,000**	---
GMW-60	11/13/07	BT for Parsons	**1,500**	---
GMW-60	02/07/08	BT for Parsons	**1,700**	---
GMW-60	04/16/08	BT for Parsons	**1,400**	---
GMW-60	07/29/08	BT for Parsons	**2,000**	---
GMW-60	10/15/08	BT for Parsons	**1,400**	-----
GMW-60	02/12/09	BT for Parsons	**1,600**	-----
GMW-60	04/20/09	BT for Parsons	**3,500**	-----
GMW-60	07/20/09	Blaine Tech for AMEC GMX	**3,200**	-----
GMW-60	10/19/09	BT for Parsons	**2,600**	-----
GMW-60	01/11/10	BT for Parsons	-----	-----
GMW-60	04/13/10	BT for Parsons	**1,900**	-----
GMW-60	10/06/10	BT for Parsons	**560**	-----
GMW-60	01/11/11	BT for Parsons	**3,200**	-----
GMW-60	04/15/11	BT for Parsons	**2,100**	-----
GMW-60	07/12/11	Parsons	**2,200**	-----
GMW-60	10/11/11	Parsons	**2,300**	-----
GMW-60	01/10/12	Parsons	**2,100**	-----
GMW-60	04/20/12	Parsons	**1,200**	-----
GMW-60	07/10/12	Parsons	-----	-----
GMW-60	10/17/12	Parsons	**630 b**	-----

TABLE C3
HISTORICAL ANALYTICAL RESULTS FOR TPH IN GROUNDWATER
NOVEMBER 1996 THROUGH NOVEMBER 2021

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

Well ID	Sample Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)
Uppermost Aquifer				
GMW-60	01/15/13	Parsons	**610**	**460 b**
GMW-60	04/11/13	Parsons	**1,000 b**	**3,200 b**
GMW-60	10/09/13	Parsons	**920**	**2,300**
GMW-60	04/17/14	Parsons	**650**	**2,700**
GMW-60	10/30/14	SGI	**470**	**1,500**
GMW-60	10/30/14	SGI	**500**	**1,800**
GMW-60	04/28/15	SGI	**330**	**2,000**
GMW-60	10/26/15	SGI	<100	**870**
GMW-60	04/13/16	SGI	**110**	**100**
GMW-60	10/07/16	SGI	<100	**870**
GMW-60	04/20/17	SGI	**220**	**1,200**
GMW-60	10/09/17	SGI	<100	**430**
GMW-60	04/17/18	SGI	<100	**210**
GMW-60	11/09/18	SGI	<100	<100
GMW-60	04/16/19	SGI	<100	**260**
GMW-60	10/30/19	SGI	<100	<100
GMW-60	05/05/20	SGI	<100	<100
GMW-60	10/21/20	SGI	<100	<100
GMW-60	05/05/21	SGI/Apex	<100	<100
GMW-60	11/03/21	SGI/Apex	<100	<100
GMW-61	07/21/04	BT for Parsons	**19,000**	-----
GMW-61	11/03/04	BT for Parsons	**23,000**	-----
GMW-61	03/02/05	BT for Parsons	**20,000**	-----
GMW-61	05/05/05	BT for Parsons	**11,000**	-----
GMW-61	08/04/05	BT for Parsons	**11,000**	-----
GMW-61	11/05/05	BT for Parsons	**16,000**	-----
GMW-61	03/08/06	BT for Parsons	**11,000**	-----
GMW-61	05/03/06	BT for Parsons	**9,600**	-----
GMW-61	07/28/06	BT for Parsons	**7,200**	-----
GMW-61	12/05/06	BT for Parsons	**7,900**	-----
GMW-61	03/23/07	BT for Parsons	**7,500**	-----
GMW-61	05/02/07	BT for Parsons	**11,000**	-----
GMW-61	08/31/07	BT for Parsons	**9,200**	-----
GMW-61	11/13/07	BT for Parsons	**2,300**	-----
GMW-61	02/07/08	BT for Parsons	**2,600**	-----
GMW-61	04/16/08	BT for Parsons	**2,000**	-----
GMW-61	07/29/08	BT for Parsons	**1,500**	-----
GMW-61	10/15/08	BT for Parsons	**1,300**	-----
GMW-61	02/12/09	BT for Parsons	**1,100**	-----
GMW-61	04/20/09	BT for Parsons	**1,100**	-----
GMW-61	07/20/09	Blaine Tech for AMEC GMX	**760**	-----
GMW-61	10/19/09	BT for Parsons	**620**	-----
GMW-61	01/11/10	BT for Parsons	-----	-----
GMW-61	04/15/10	BT for Parsons	**740**	-----

TABLE C3
HISTORICAL ANALYTICAL RESULTS FOR TPH IN GROUNDWATER
NOVEMBER 1996 THROUGH NOVEMBER 2021

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

Well ID	Sample Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)
Uppermost Aquifer				
GMW-61	10/06/10	BT for Parsons	**1,200**	-----
GMW-61	01/10/11	BT for Parsons	**800**	-----
GMW-61	04/14/11	BT for Parsons	**790**	-----
GMW-61	07/12/11	Parsons	**230**	-----
GMW-61	10/11/11	Parsons	**140**	-----
GMW-61	01/10/12	Parsons	**210**	-----
GMW-61	04/19/12	Parsons	**190**	-----
GMW-61	07/10/12	Parsons	-----	-----
GMW-61	10/19/12	Parsons	**1500 b**	-----
GMW-61	01/15/13	Parsons	**130**	**140 b**
GMW-61	04/11/13	Parsons	<100	**340 b**
GMW-61	10/08/13	Parsons	**130**	**390**
GMW-61	04/17/14	Parsons	**220**	**190**
GMW-61	10/29/14	SGI	**120**	**200**
GMW-61	04/28/15	SGI	**130**	**260**
GMW-61	04/14/16	SGI	<100	**330**
GMW-61	10/07/16	SGI	<100	**390**
GMW-61	04/20/17	SGI	**140**	**1,200**
GMW-61	10/09/17	SGI	<100	**1,000**
GMW-61	04/23/18	SGI	<100	**440**
GMW-61	11/09/18	SGI	<100	**610**
GMW-61	04/18/19	SGI	<100	**210**
GMW-61	11/06/19	SGI	<100	**340**
GMW-61	05/08/20	SGI	<100	<100
GMW-61	10/21/20	SGI	<100	**100**
GMW-61	05/05/21	SGI/Apex	<100	**21,000**
GMW-61	11/09/21	SGI/Apex	<100	**3,700**
GMW-62	11/14/07	BT for Parsons	**4,200**	-----
GMW-62	02/07/08	BT for Parsons	**4,100**	-----
GMW-62	04/17/08	BT for Parsons	**1,000**	-----
GMW-62	07/29/08	BT for Parsons	**2,400**	-----
GMW-62	10/15/08	BT for Parsons	**2,800**	-----
GMW-62	02/12/09	BT for Parsons	**3,600**	-----
GMW-62	04/23/09	BT for Parsons	**1,500**	-----
GMW-62	07/21/09	Blaine Tech for AMEC GMX	**1,800**	-----
GMW-62	10/21/09	BT for Parsons	**2,200**	-----
GMW-62	01/12/10	BT for Parsons	-----	-----
GMW-62	04/14/10	BT for Parsons	**2,400**	-----
GMW-62	10/05/10	BT for Parsons	**6,700**	-----
GMW-62	11/05/18	SGI	**8,400**	**2,600**
GMW-62	04/15/19	SGI	**17,000**	**3,100**
GMW-62	10/28/19	SGI	**1,500**	**7,800**
DUP-1 (GMW-62)	10/28/19	SGI	**2,100**	**12,000**
GMW-62	05/04/20	SGI	**2,200**	**130,000**

TABLE C3
HISTORICAL ANALYTICAL RESULTS FOR TPH IN GROUNDWATER
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Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Well ID	Sample Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)
Uppermost Aquifer				
GMW-62	10/19/20	SGI	**1,600**	**1,000**
GMW-62	05/03/21	SGI/Apex	**1,000**	**6,200**
GMW-62	11/01/21	SGI/Apex	**1,700**	**8,600**
GMW-69	07/21/15	SGI	**10,000**	<100
GMW-69	10/21/15	SGI	**2,900**	**330**
GMW-69	04/11/16	SGI	**2,400**	**350**
GMW-69	10/03/16	SGI	**1,600**	**210**
GMW-69	04/17/17	SGI	**740**	**150**
GMW-69	10/02/17	SGI	**2,100**	**380**
GMW-69	10/25/17	SGI	-----	**830**
GMW-69	04/16/18	SGI	**3,600**	**530**
GMW-69	11/05/18	SGI	**1,300**	**720**
GMW-69	04/15/19	SGI	**130**	**230**
GMW-69	10/28/19	SGI	**710**	**180**
GMW-69	05/04/20	SGI	**1,300**	**490**
GMW-69	10/19/20	SGI	**930**	**300**
GMW-69	05/03/21	SGI/Apex	**530**	**280**
GMW-69	11/01/21	SGI/Apex	**770**	**340**
GW-14(6")	05/03/07	BT for Parsons	-----	-----
GW-14(6")	10/16/08	BT for Parsons	**820**	-----
GW-14(6")	04/24/09	BT for Parsons	**690**	-----
GW-14(6")	04/15/11	BT for Parsons	-----	-----
GW-14(6")	04/22/11	BT for Parsons	-----	-----
GW-14(6")	04/20/12	Parsons	**1800 b**	-----
GW-14(6")	07/10/12	Parsons	-----	-----
GW-14(6")	04/12/13	Parsons	**1800 b**	**4,800**
GW-14(6")	10/09/13	Parsons	**1,600**	**3,400**
GW-14(6")	04/17/14	Parsons	**2,200**	**7,700**
GW-14(6")	10/31/14	SGI	**1,700**	**3,200**
GW-14R	10/26/20	SGI	**1,400**	**8,100**
GW-14R	11/08/21	SGI/Apex	**140**	**1,800**
GW-15(6")	05/03/07	BT for Parsons	**8,500**	---
GW-15(6")	11/03/14	SGI	**32,000**	**11,000**
GW-15(6")	04/21/15	SGI	**7,700**	**2,100**
GW-15(6")	10/26/15	SGI	**7,500**	**38,000**
GW-15(6")	10/26/15	SGI	**7,100**	**9,700**
GW-15(6")	10/11/16	SGI	**8,700**	**24,000**
GW-15(6")	10/09/17	SGI	**990**	**610**
GW-15(6")	04/23/18	SGI	**640**	**360**
GW-15(6")	11/15/18	SGI	<100	<100
GW-15(6")	04/18/19	SGI	**190**	**350**
GW-15(6")	11/06/19	SGI	<100	**140**

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HISTORICAL ANALYTICAL RESULTS FOR TPH IN GROUNDWATER
NOVEMBER 1996 THROUGH NOVEMBER 2021

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

Well ID	Sample Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)
Uppermost Aquifer				
GW-15(6")	05/07/20	SGI	<100	<100
GW-15(6")	10/21/20	SGI	<100	**8,000**
GW-15(6")	05/10/21	SGI/Apex	<100	**120**
GW-15(6")	11/04/21	SGI/Apex	<100	<100
GW-16(6")	10/23/09	BT for Parsons	<100	---
GW-16(6")	01/13/10	BT for Parsons	<100	---
GW-16(6")	04/19/10	BT for Parsons	-----	---
GW-16(6")	10/08/10	BT for Parsons	<100	---
GW-16(6")	04/12/11	BT for Parsons	<100	---
GW-16(6")	10/09/13	Parsons	<100	**1,300 HD**
GW-16(6")	04/17/14	Parsons	<100	<98
GW-16(6")	11/03/14	SGI	**2,500**	**250**
GW-16(6")	11/03/14	SGI	**2,300**	**290**
GW-16(6")	04/21/15	SGI	<100	<100
GW-16(6")	10/21/15	SGI	**100**	<100
GW-16(6")	04/13/16	SGI	<100	<100
GW-16(6")	10/04/16	SGI	<100	<100
GW-16(6")	04/18/17	SGI	<100	<100
GW-16(6")	10/03/17	SGI	<100	<100
GW-16(6")	04/17/18	SGI	<100	**140**
GW-16(6")	11/09/18	SGI	<100	<100
GW-16(6")	04/16/19	SGI	<100	<100
GW-16(6")	10/30/19	SGI	<100	<100
GW-16(6")	05/05/20	SGI	<100	<100
GW-16(6")	10/21/20	SGI	<100	**110**
GW-16(6")	05/05/21	SGI/Apex	<100	**160**
GW-16(6")	11/04/21	SGI/Apex	<100	<100
MW-9	11/26/96	Terra Services	-----	-----
MW-9	07/17/97	Terra Services	**1,400**	**2,900**
MW-9	01/08/98	Terra Services	**1,100**	**570**
MW-9	05/26/98	Terra Services	**4,700**	-----
MW-9	11/18/99	Secor	**1,800**	-----
MW-9	05/19/00	Secor	**1,300**	-----
MW-9	11/05/04	Secor	**2,500**	-----
MW-9	05/06/05	Secor	**780**	-----
MW-9	11/01/05	Secor	**1,700**	-----
MW-9	05/04/06	Secor	**1,000**	-----
MW-9	12/08/06	Secor	**1,400**	-----
MW-9	05/04/07	Secor	**1,700**	-----
MW-9	04/18/08	Secor	**2,500**	-----
MW-9	10/14/08	Stantec	**1,600**	-----
MW-9	04/23/09	Blaine Tech for AMEC GMX	**1,600**	-----
MW-9	05/27/10	Blaine Tech	**1,600**	-----

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HISTORICAL ANALYTICAL RESULTS FOR TPH IN GROUNDWATER
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Defense Fuel Support Point Norwalk
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Well ID	Sample Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)
Uppermost Aquifer				
MW-9	10/07/10	Blaine Tech	**2,400**	-----
MW-9	04/14/11	Blaine Tech	**1,400**	-----
MW-9	10/12/11	CH2M Hill	**1,200**	-----
MW-9	04/20/12	CH2M Hill	**2,200**	**4,500**
MW-9	10/17/12	CHHL	**1,200**	**2,500**
MW-9	04/11/13	CHHL	**870**	**4,400**
MW-9	10/10/13	CHHL	**1,200**	**2,100**
MW-9	04/17/14	CHHL	**1,100**	**2,500**
MW-9	10/30/14	BT for CH2MHill	<500	**2,600**
MW-9	04/23/15	BT for CH2MHill	**660**	**2,900**
MW-9	10/26/15	BT for CH2MHill	**420**	**1,600**
MW-9	04/14/16	BT for CH2MHill	**260**	**1,100**
MW-9	10/05/16	BT for CH2MHill	**85**	**280**
MW-9	04/19/17	BT for CH2MHill	**99**	**600**
MW-9	10/05/17	BT for CH2MHill	<100	**340**
MW-9	04/19/18	BT for Jacobs	**66**	**250**
MW-9	11/09/18	BT for Jacobs	<50	**340**
MW-9	04/18/19	BT for Jacobs	<100	**130**
MW-9	10/30/19	BT for Jacobs	<50	**280**
MW-9	05/08/20	BT for Jacobs	<50	**320**
MW-9	11/06/20	BT for Jacobs	<100	**360**
MW-9	05/05/21	BT for Jacobs	<50	<50
MW-9	11/02/21	BT for Jacobs	**50**	**140**
MW-13	11/22/96	GSI	**1,100**	<500
MW-13	07/09/97	GTI	<50	<50
MW-13	01/06/98	GTI	<500	<100
MW-13	05/20/98	BBC	<300	-----
MW-13	11/05/98	GTI	<300	-----
MW-13	05/26/99	GTI	<300	-----
MW-13	11/18/99	IT Corporation	<300	-----
MW-13	05/17/00	IT Corporation	<300	-----
MW-13	11/29/00	IT Corporation	<300	-----
MW-13	03/30/01	IT Corporation	-----	-----
MW-13	05/09/01	IT Corporation	<300	-----
MW-13	11/07/01	IT Corporation	<300	-----
MW-13	04/10/02	IT Corporation	<300	-----
MW-13	10/23/02	GTI	<300	-----
MW-13	04/09/03	GTI	-----	-----
MW-13	10/08/03	BT for Parsons	-----	-----
MW-13	04/21/04	BT for Parsons	-----	-----
MW-13	11/03/04	BT for Parsons	-----	-----
MW-13	05/05/05	BT for Parsons	-----	-----
MW-13	11/05/05	BT for Parsons	-----	-----
MW-13	05/03/06	BT for Parsons	-----	-----

TABLE C3
HISTORICAL ANALYTICAL RESULTS FOR TPH IN GROUNDWATER
NOVEMBER 1996 THROUGH NOVEMBER 2021

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California 90650

Well ID	Sample Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)
Uppermost Aquifer				
MW-13	12/05/06	BT for Parsons	-----	-----
MW-13	05/02/07	BT for Parsons	-----	-----
MW-13	11/13/07	BT for Parsons	<100	-----
MW-13	04/16/08	BT for Parsons	-----	-----
MW-13	10/15/08	BT for Parsons	-----	-----
MW-13	04/20/09	BT for Parsons	-----	-----
MW-13	10/22/09	BT for Parsons	-----	-----
MW-13	04/19/10	BT for Parsons	-----	-----
MW-13	10/06/10	BT for Parsons	-----	-----
MW-13	04/12/11	BT for Parsons	-----	-----
MW-13	10/12/11	Parsons	-----	-----
MW-13	04/17/12	Parsons	-----	-----
MW-13	10/16/12	Parsons	-----	-----
MW-13	04/09/13	Parsons	-----	**140 b**
MW-13	10/08/13	Parsons	<100	**330**
MW-13	04/15/14	Parsons	<100	**97**
MW-13	10/28/14	SGI	<100	**100**
MW-13	04/28/15	SGI	<100	<100
MW-13	10/22/15	SGI	<100	<100
MW-13	04/12/16	SGI	<100	<100
MW-13	10/04/16	SGI	<100	<100
MW-13	04/18/17	SGI	<100	<100
MW-13	10/03/17	SGI	<100	**270**
MW-13	04/17/18	SGI	<100	**130**
MW-13	11/09/18	SGI	<100	<100
MW-13	04/16/19	SGI	<100	<100
MW-13	10/29/19	SGI	<100	<100
MW-13	05/05/20	SGI	<100	**150**
MW-13	10/22/20	SGI	<100	**100**
MW-13	05/05/21	SGI/Apex	<100	**230**
MW-13	11/05/21	SGI/Apex	<100	<100
MW-15	11/26/96	Terra Services	-----	-----
MW-15	07/14/97	Terra Services	**1,000**	**3,500**
MW-15	01/07/98	Terra Services	<500	**1,500**
MW-15	05/22/98	Terra Services	<300	-----
MW-15	11/13/98	Alton Geoscience	<300	-----
MW-15	05/07/99	Alton Geoscience	<500	<500
MW-15	11/17/99	Secor	<300	-----
MW-15	05/16/00	Secor	**340**	-----
MW-15	11/30/00	Secor	**2,100**	-----
MW-15	05/09/01	Secor	<300	-----
MW-15	11/06/01	Secor	<300	-----
MW-15	04/10/02	Secor	**59,000**	-----
MW-15	07/30/02	IT Corporation	**780**	-----

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HISTORICAL ANALYTICAL RESULTS FOR TPH IN GROUNDWATER
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Defense Fuel Support Point Norwalk
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Well ID	Sample Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)
Uppermost Aquifer				
MW-15	12/08/06	Secor	**420**	-----
MW-15	05/04/07	Secor	<500	-----
MW-15	10/05/10	Blaine Tech	**1,100**	-----
MW-15	04/14/11	Blaine Tech	**1,900**	-----
MW-15	10/12/11	CH2M Hill	**590**	-----
MW-15	04/27/12	CH2M Hill	**1,100**	**40,000**
MW-15	10/19/12	CHHL	**940**	**34,000**
MW-15	04/12/13	CHHL	**890**	**240,000**
MW-15	10/11/13	CHHL	**2,000**	**140,000**
MW-15	10/31/14	BT for CH2MHill	**590**	**8,300**
MW-15R	04/19/17	BT for CH2MHill	<100	**210**
MW-15R	10/05/17	BT for CH2MHill	<50	**79**
MW-15R	04/19/18	BT for Jacobs	**66**	**60**
MW-15R	11/08/18	BT for Jacobs	**53**	**52**
MW-15R	04/18/19	BT for Jacobs	<50	<50
MW-15R	10/30/19	BT for Jacobs	<50	<50
MW-15R	05/11/20	BT for Jacobs	**78**	**180**
MW-15R	11/05/20	BT for Jacobs	**130**	**220**
MW-15R	05/05/21	BT for Jacobs	<50	**53**
MW-15R	11/02/21	BT for Jacobs	63	**150**
MW-27	11/22/96	GSI	<50	<500
MW-27	07/10/97	GTI	**420**	**400**
MW-27	01/06/98	GTI	**1,500**	<100
MW-27	05/21/98	BBC	<300	-----
MW-27	11/04/98	GTI	<300	-----
MW-27	05/26/99	GTI	<300	-----
MW-27	11/18/99	IT Corporation	**7,200**	-----
MW-27	05/16/00	IT Corporation	<300	-----
MW-27	11/29/00	IT Corporation	<300	-----
MW-27	05/10/01	IT Corporation	<300	-----
MW-27	11/07/01	IT Corporation	<300	-----
MW-27	04/11/02	IT Corporation	<300	-----
MW-27	10/24/02	GTI	<300	-----
MW-27	04/11/03	GTI	-----	-----
MW-27	10/11/03	BT for Parsons	-----	-----
MW-27	04/22/04	BT for Parsons	-----	-----
MW-27	11/06/04	BT for Parsons	-----	-----
MW-27	05/07/05	BT for Parsons	-----	-----
MW-27	11/08/05	BT for Parsons	-----	-----
MW-27	05/05/06	BT for Parsons	-----	-----
MW-27	12/06/06	BT for Parsons	-----	-----
MW-27	05/03/07	BT for Parsons	-----	-----
MW-27	11/14/07	BT for Parsons	-----	-----
MW-27	04/18/08	BT for Parsons	-----	-----

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HISTORICAL ANALYTICAL RESULTS FOR TPH IN GROUNDWATER
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Defense Fuel Support Point Norwalk
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Well ID	Sample Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)
Uppermost Aquifer				
MW-27	10/17/08	BT for Parsons	-----	-----
MW-27	04/22/09	BT for Parsons	-----	-----
MW-27	10/26/09	BT for Parsons	-----	-----
MW-27	04/13/10	BT for Parsons	-----	-----
MW-27	10/04/10	BT for Parsons	-----	-----
MW-27	04/12/11	BT for Parsons	-----	-----
MW-27	10/13/11	Parsons	-----	-----
MW-27	04/17/12	Parsons	-----	-----
MW-27	10/16/12	Parsons	-----	-----
MW-27	04/09/13	Parsons	-----	**310 b**
MW-27	10/08/13	Parsons	<100	**130**
MW-27	10/29/14	SGI	<100	**140**
MW-27	04/22/15	SGI	<100	**160**
MW-27	10/23/15	SGI	<100	**130**
MW-27	04/13/16	SGI	<100	**160**
MW-27	10/05/16	SGI	<100	**220**
MW-27	04/19/17	SGI	<100	**130**
MW-27	10/04/17	SGI	<100	**260**
MW-27	04/19/18	SGI	<100	**350**
MW-27	11/08/18	SGI	<100	**150**
MW-27	04/17/19	SGI	<100	**300**
MW-27	11/05/19	SGI	<100	**130**
MW-27	05/07/20	SGI	<100	<100
MW-27	10/22/20	SGI	<100	**250**
MW-27	05/07/21	SGI/Apex	<100	**260**
MW-27	11/08/21	SGI/Apex	<100	**400**
MW-29	05/21/98	BBC	**84,700**	-----
MW-29	11/05/98	GTI	**28,600**	-----
MW-29	05/27/99	GTI	**1,810**	-----
MW-29	11/18/99	IT Corporation	**5,100**	-----
MW-29	05/17/00	IT Corporation	**1,100**	-----
MW-29	11/30/00	IT Corporation	**2,400**	-----
MW-29	05/09/01	IT Corporation	<300	-----
MW-29	11/07/01	IT Corporation	**1,500**	-----
MW-29	02/01/02	Secor	-----	-----
MW-29	04/11/02	IT Corporation	**860**	-----
MW-29	04/12/13	Parsons	-----	**2,200**
MW-29	10/08/13	Parsons	**570**	**2,900 HD**
MW-29	04/17/14	Parsons	**710**	**3,300**
MW-29	10/31/14	SGI	**700**	**3,200**
MW-29	04/29/15	SGI	**370**	**2,900**
MW-29	10/26/15	SGI	**120**	**490**
MW-29	04/14/16	SGI	<100	**350**
MW-29	10/07/16	SGI	<100	**250**

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HISTORICAL ANALYTICAL RESULTS FOR TPH IN GROUNDWATER
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Defense Fuel Support Point Norwalk
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Well ID	Sample Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)
Uppermost Aquifer				
MW-29	04/20/17	SGI	<100	**380**
MW-29	10/04/17	SGI	<100	**630**
MW-29	04/18/18	SGI	<100	**170**
MW-29	11/06/18	SGI	<100	**250**
MW-29	04/19/19	SGI	<100	**140**
MW-29	10/31/19	SGI	<100	**250**
MW-29	05/07/20	SGI	<100	<100
MW-29	10/20/20	SGI	<100	<100
MW-29	05/04/21	SGI/Apex	<100	<100
MW-29	11/02/21	SGI/Apex	<100	<100
PZ-3	04/22/04	BT for Parsons	-----	-----
PZ-3	04/22/09	BT for Parsons	-----	-----
PZ-3	04/15/10	BT for Parsons	-----	-----
PZ-3	10/08/10	BT for Parsons	-----	-----
PZ-3	04/14/11	BT for Parsons	-----	-----
PZ-3	10/14/11	Parsons	-----	-----
PZ-3	04/19/12	Parsons	-----	-----
PZ-3	10/19/12	Parsons	-----	-----
PZ-3	10/09/13	Parsons	**2,100**	**10,000**
PZ-3	04/18/14	Parsons	**5,300 HD**	**6,900**
PZ-3	11/03/14	SGI	**1,300**	**2,700**
PZ-3	04/22/15	SGI	**3,000**	**3,600**
PZ-3	10/10/17	SGI	**710**	**1,500**
PZ-3	04/20/18	SGI	**690**	**5,300**
PZ-3	11/12/18	SGI	**690**	**4,300**
PZ-3	04/19/19	SGI	<100	**330**
PZ-3	10/31/19	SGI	**210**	**520**
PZ-3	05/08/20	SGI	<100	**490**
PZ-3	10/26/20	SGI	<100	**470**
PZ-3	05/07/21	SGI/Apex	<100	**2,700**
PZ-3	11/09/21	SGI/Apex	<100	**1,600**
TF-9	10/10/13	Parsons	**960 HD**	**2,200 HD**
TF-9	04/18/14	Parsons	**3,400 HD**	**2,900**
TF-9	10/31/14	SGI	**1,100**	**1,300**
TF-9R	10/05/17	SGI	**1,500**	**1,500**
TF-9R	04/20/18	SGI	**750**	**1,700**
TF-9R	11/12/18	SGI	**1,500**	**2,400**
TF-9R	04/19/19	SGI	<100	**120**
TF-9R	10/31/19	SGI	<100	**100**
TF-9R	05/07/20	SGI	<100	<100
TF-9R	10/20/20	SGI	<100	**250**
TF-9R	05/07/21	SGI/Apex	<100	**900**
TF-9R	11/08/21	SGI/Apex	<100	**1300**

TABLE C3
HISTORICAL ANALYTICAL RESULTS FOR TPH IN GROUNDWATER
NOVEMBER 1996 THROUGH NOVEMBER 2021

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

Well ID	Sample Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)
Uppermost Aquifer				
TF-14	09/18/03	BT for Parsons	-----	-----
TF-14	02/21/04	BT for Parsons	-----	-----
TF-15	05/12/20	SGI	**2,000**	**1,600**
TF-15	10/26/20	SGI	**160**	**2,300**
TF-15	05/12/21	SGI/Apex	**1,100**	**6,600**
TF-15	11/08/21	SGI/Apex	**1,200**	**18,000**
TF-16	04/14/03	GTI	-----	-----
TF-16	09/18/03	BT for Parsons	-----	-----
TF-16	10/11/03	BT for Parsons	-----	-----
TF-16	02/21/04	BT for Parsons	-----	-----
TF-16	04/21/04	BT for Parsons	-----	-----
TF-16	11/04/04	BT for Parsons	-----	-----
TF-16	05/06/05	BT for Parsons	-----	-----
TF-16	11/08/05	BT for Parsons	-----	-----
TF-16	05/04/06	BT for Parsons	-----	-----
TF-16	12/08/06	BT for Parsons	-----	-----
TF-16	05/04/07	BT for Parsons	-----	-----
TF-16	11/15/07	BT for Parsons	-----	-----
TF-16	04/17/08	BT for Parsons	-----	-----
TF-16	10/16/08	BT for Parsons	-----	-----
TF-16	04/24/09	BT for Parsons	-----	-----
TF-16	10/26/09	BT for Parsons	-----	-----
TF-16	04/15/10	BT for Parsons	-----	-----
TF-16	04/15/11	BT for Parsons	-----	-----
TF-16	04/22/11	BT for Parsons	-----	-----
TF-16	04/19/12	Parsons	**2,100**	-----
TF-16	04/11/13	Parsons	**1,200 b**	**2,500 b**
TF-16	10/08/13	Parsons	**860 HD**	**2,300**
TF-16	04/17/14	Parsons	**6,000 HD**	**7,600**
TF-16	05/12/20	Parsons	**3,400**	**2,000**
TF-16	10/26/20	SGI	**170**	**2,100**
TF-16	05/12/21	SGI/Apex	**270**	**2,600**
TF-16	11/08/21	SGI/Apex	**1,300**	**2,500**
TF-17	10/09/13	Parsons	**18,000**	**32,000**
TF-17	04/17/14	Parsons	**8,900**	**14,000**
TF-17	11/03/14	SGI	**2,900**	**7,100**
TF-17R	05/12/20	SGI	**5,800**	**11,000**
TF-17R	11/23/20	SGI	**5,700**	**3,700**
TF-17R	05/10/21	SGI/Apex	**8,600**	**5,600**
TF-17R	11/09/21	SGI/Apex	**1,700**	**18,000**

TABLE C3
HISTORICAL ANALYTICAL RESULTS FOR TPH IN GROUNDWATER
NOVEMBER 1996 THROUGH NOVEMBER 2021

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

Well ID	Sample Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)
Uppermost Aquifer				
TF-18	04/24/17	SGI	**54,000**	**7,300**
TF-18	11/07/19	SGI	**5,600**	**9,300**
TF-18	11/23/20	SGI	**3,800**	**16,000**
TF-18	05/12/21	SGI/Apex	**27,000**	**21,000**
TF-18	11/09/21	SGI/Apex	**9,400**	**68,000**
TF-20R	10/10/17	SGI	**1,300**	**660**
TF-20R	04/24/18	SGI	**900**	**540**
TF-20R	11/15/18	SGI	**700**	**620**
TF-20R	04/22/19	SGI	**540**	**440**
TF-20R	11/06/19	SGI	**810**	**640**
TF-20R	05/11/20	SGI	**410**	**600**
TF-20R	10/28/20	SGI	**170**	**430**
TF-20R	05/10/21	SGI/Apex	<100	**100**
TF-20R	11/4/2021	SGI/Apex	<100	<100
TF-21	04/10/03	GTI	-----	-----
TF-21	09/18/03	BT for Parsons	-----	-----
TF-21	10/08/03	BT for Parsons	-----	-----
TF-21	02/21/04	BT for Parsons	-----	-----
TF-21	04/21/04	BT for Parsons	-----	-----
TF-21	11/04/04	BT for Parsons	-----	-----
TF-21	05/05/05	BT for Parsons	-----	-----
TF-21	11/05/05	BT for Parsons	-----	-----
TF-21	05/03/06	BT for Parsons	-----	-----
TF-21	12/06/06	BT for Parsons	-----	-----
TF-21	05/04/07	BT for Parsons	-----	-----
TF-21	11/16/07	BT for Parsons	-----	-----
TF-21	04/17/08	BT for Parsons	-----	-----
TF-21	10/15/08	BT for Parsons	-----	-----
TF-21	04/24/09	BT for Parsons	-----	-----
TF-21	10/26/09	BT for Parsons	-----	-----
TF-21	04/16/10	BT for Parsons	-----	-----
TF-21	04/15/11	BT for Parsons	-----	-----
TF-21	04/22/11	BT for Parsons	-----	-----
TF-21	04/20/12	Parsons	**1,600**	-----
TF-21	04/12/13	Parsons	**590 b**	**2,700**
TF-21	10/08/13	Parsons	**810 HD**	**2,200**
TF-21	04/17/14	Parsons	**1,100 HD**	**2,000**
TF-21	10/30/14	SGI	**1,500**	**1,700**
TF-21	04/29/15	SGI	**570**	**1,700**
TF-21	10/11/16	SGI	**1,300**	**7,800**
TF-21	04/21/17	SGI	**420**	**1,400**
TF-21	10/09/17	SGI	**350**	**1,700**
TF-21	04/23/18	SGI	**180**	**960**

TABLE C3
HISTORICAL ANALYTICAL RESULTS FOR TPH IN GROUNDWATER
NOVEMBER 1996 THROUGH NOVEMBER 2021

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

Well ID	Sample Date	Sampled By	TPH-g (µg/L)	TPH-d (µg/L)
Uppermost Aquifer				
TF-21	11/12/18	SGI	**370**	**1,400**
TF-21	04/22/19	SGI	**150**	**710**
TF-21	10/30/19	SGI	**110**	**310**
TF-21	05/08/20	SGI	<100	**110**
TF-21	10/23/20	SGI	<100	**110**
TF-21	05/05/21	SGI/Apex	<100	**290**
TF-21	11/04/21	SGI/Apex	<100	**160**
TF-23	04/24/17	SGI	**410**	**2,900**
TF-23	04/22/19	SGI	**560**	**4,600**
TF-23	05/11/20	SGI	**660**	**7,400**
TF-23	10/26/20	SGI	**550**	**1,900**
TF-23	05/12/21	SGI/Apex	**670**	**23,000**
TF-23	11/09/21	SGI/Apex	**1,100**	**87,000**
TF-24	10/10/13	Parsons	<100	**1,500**
TF-24	04/18/14	Parsons	<100	**730**
TF-24	10/29/14	SGI	<100	**1,900**
TF-24	04/29/15	SGI	<100	**1,900**
TF-24	10/11/16	SGI	<100	**1,100**
TF-24	04/21/17	SGI	<100	**1,700**
TF-24	10/05/17	SGI	<100	**2,500**
TF-24	04/20/18	SGI	<100	**2,900**
TF-24	11/12/18	SGI	<100	**2,800**
TF-24	04/19/19	SGI	<100	**2,800**
TF-24	11/06/19	SGI	<100	**2,600**
TF-24	05/11/20	SGI	<100	**360**
TF-24	10/23/20	SGI	<100	**4,200**
TF-24	05/12/21	SGI/Apex	<100	**750**
TF-24	11/05/21	SGI/Apex	<100	**1,400**

Notes:

Detected concentrations are shown in **bold**.

TPH = total petroleum hydrocarbons

TPH-g = total petroleum hydrocarbons as gasoline

TPH-d = total petroleum hydrocarbons as diesel

TABLE C4
HISTORICAL ANALYTICAL RESULTS FOR ORP AND DO IN GROUNDWATER
APRIL 2014 THROUGH NOVEMBER 2021

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

Well ID[1]	Sampling Event	Sample Date	ORP (mV)	DO (mg/L)
GMW-4R	2014_SE1	4/18/2014	--	--
GMW-4R	2014_SE2	--	--	--
GMW-4R	2015_SE1	--	--	--
GMW-4R	2015_SE2	--	--	--
GMW-4R	2016_SE1	--	--	--
GMW-4R	2016_SE2	--	--	--
GMW-4R	2017_SE1	4/18/2017	**-84.2**	**1.15**
GMW-4R	2017_SE2	10/5/2017	**-104**	**0.28**
GMW-4R	2018_SE1	--	--	--
GMW-4R	2018_SE2	11/5/2018	**-36.1**	**0.06**
GMW-4R	2019_SE1	4/18/2019	**-100.7**	**0.15**
GMW-4R	2019_SE2	10/30/2019	**117.8**	**0.68**
GMW-4R	2020_SE1	5/8/2020	**50.7**	**0.41**
GMW-4R	2020_SE2	11/5/2020	**-24.6**	**0.73**
GMW-4R	2021_SE1	5/5/2021	**-85.8**	**0.85**
GMW-4R	2021_SE2	11/1/2021	**-126.8**	**0.39**
GMW-7	2014_SE1	--	--	--
GMW-7	2014_SE2	--	--	--
GMW-7	2015_SE1	4/30/2015	**-92**	**1.47**
GMW-7	2015_SE2	--	--	--
GMW-7	2016_SE1	--	--	--
GMW-7	2016_SE2	10/11/2016	**-84.4**	**0.69**
GMW-7	2017_SE1	--	--	--
GMW-7	2017_SE2	10/10/2017	**-144.5**	**0.24**
GMW-7	2018_SE1	4/20/2018	**-95.5**	**0.75**
GMW-7	2018_SE2	11/12/2018	**-22.6**	**0.08**
GMW-7	2019_SE1	4/22/2019	**-94.9**	**0.35**
GMW-7	2019_SE2	11/6/2019	**-106.3**	**0.11**
GMW-7	2020_SE1	5/11/2020	**-122.2**	**0.08**
GMW-7	2020_SE2	10/26/2020	**-110.7**	**0.09**
GMW-7	2021_SE1	5/12/2021	**-93.8**	**0.1**
GMW-7	2021_SE2	11/8/2021	**-212.6**	**0.11**
GMW-10	2014_SE1	4/18/2014	--	--
GMW-10	2014_SE2	--	--	--
GMW-10	2015_SE1	--	--	--
GMW-10	2015_SE2	10/28/2015	**-93.4**	**7.26**
GMW-10	2016_SE1	--	--	--
GMW-10	2016_SE2	--	--	--
GMW-10	2017_SE1	--	--	--
GMW-10	2017_SE2	--	--	--
GMW-10	2018_SE1	--	--	--
GMW-10	2018_SE2	--	--	--
GMW-10	2019_SE1	--	--	--
GMW-10	2019_SE2	--	--	--
GMW-10	2020_SE1	--	--	--
GMW-10	2020_SE2	--	--	--
GMW-10	2021_SE1	5/6/2021	**-46.4**	**0.54**
GMW-10	2021_SE2	11/1/2021	**-143.9**	**0.31**
GMW-12	2014_SE1	--	--	--
GMW-12	2014_SE2	10/29/2014	**-60.1**	**0.19**
GMW-12	2015_SE1	4/28/2015	**-84.6**	**2.2**
GMW-12	2015_SE2	--	--	--
GMW-12	2016_SE1	--	--	--
GMW-12	2016_SE2	10/10/2016	**-79.3**	**2.95**
GMW-12	2017_SE1	--	--	--
GMW-12	2017_SE2	10/4/2017	**-126.8**	**0.36**
GMW-12	2018_SE1	4/23/2018	**-99**	**0.47**
GMW-12	2018_SE2	11/12/2018	**51.8**	**0.17**

TABLE C4
HISTORICAL ANALYTICAL RESULTS FOR ORP AND DO IN GROUNDWATER
APRIL 2014 THROUGH NOVEMBER 2021

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

Well ID[1]	Sampling Event	Sample Date	ORP (mV)	DO (mg/L)
GMW-12	2019_SE1	4/19/2019	**-106.3**	**0.31**
GMW-12	2019_SE2	10/30/2019	**-154.8**	**0.1**
GMW-12	2020_SE1	5/8/2020	**-94.9**	**0.11**
GMW-12	2020_SE2	10/22/2020	**-114.7**	**0.09**
GMW-12	2021_SE1	5/6/2021	**-129.1**	**0.17**
GMW-12	2021_SE2	11/8/2021	**-127**	**0.1**
GMW-14R	2014_SE1	4/16/2014	**-96.2**	**0.27**
GMW-14R	2014_SE2	--	**--**	**--**
GMW-14R	2015_SE1	--	**--**	**--**
GMW-14R	2015_SE2	--	**--**	**--**
GMW-14R	2016_SE1	--	**--**	**--**
GMW-14R	2016_SE2	--	**--**	**--**
GMW-14R	2017_SE1	4/18/2017	**-88.8**	**0.18**
GMW-14R	2017_SE2	10/5/2017	**-95.2**	**0.29**
GMW-14R	2018_SE1	--	**--**	**--**
GMW-14R	2018_SE2	11/5/2018	**-31.6**	**0.06**
GMW-14R	2019_SE1	4/18/2019	**-98.2**	**0.23**
GMW-14R	2019_SE2	10/30/2019	**209.9**	**0.3**
GMW-14R	2020_SE1	5/11/2020	**64**	**0.27**
GMW-14R	2020_SE2	11/5/2020	**44.9**	**1.2**
GMW-14R	2021_SE1	5/4/2021	**119.8**	**0.55**
GMW-14R	2021_SE2	11/1/2021	**34.2**	**2.24**
GMW-19	2014_SE1	--	**--**	**--**
GMW-19	2014_SE2	10/28/2014	**-43.6**	**2.03**
GMW-19	2015_SE1	4/28/2015	**-73.9**	**1.52**
GMW-19	2015_SE2	10/23/2015	**-79.6**	**0.66**
GMW-19	2016_SE1	--	**--**	**--**
GMW-19	2016_SE2	--	**--**	**--**
GMW-19	2017_SE1	4/21/2017	**-89.5**	**0.59**
GMW-19	2017_SE2	10/3/2017	**-145.7**	**0.46**
GMW-19	2018_SE1	4/18/2018	**-119**	**0.42**
GMW-19	2018_SE2	11/6/2018	**110.7**	**1.19**
GMW-19	2019_SE1	4/22/2019	**-86.8**	**0.51**
GMW-19	2019_SE2	11/6/2019	**-85.5**	**0.1**
GMW-19	2020_SE1	5/6/2020	**72**	**0.1**
GMW-19	2020_SE2	10/23/2020	**-98.3**	**0.1**
GMW-19	2021_SE1	5/6/2021	**-116.4**	**0.27**
GMW-19	2021_SE2	11/8/2021	**-126.7**	**0.14**
GMW-21	2014_SE1	--	**--**	**--**
GMW-21	2014_SE2	11/3/2014	**-156.2**	**2.48**
GMW-21	2015_SE1	4/29/2015	**-97**	**3.71**
GMW-21	2015_SE2	--	**--**	**--**
GMW-21	2016_SE1	4/14/2016	**-160.5**	**0.18**
GMW-21	2016_SE2	10/10/2016	**-114.9**	**0.41**
GMW-21	2017_SE1	4/21/2017	**-41.5**	**0.26**
GMW-21	2017_SE2	--	**--**	**--**
GMW-21	2018_SE1	4/23/2018	**-105.9**	**0.54**
GMW-21	2018_SE2	11/12/2018	**33.9**	**0.13**
GMW-21	2019_SE1	4/19/2019	**-104.2**	**0.28**
GMW-21	2019_SE2	11/6/2019	**-26.2**	**0.1**
GMW-21	2020_SE1	5/11/2020	**-29.4**	**0.1**
GMW-21	2020_SE2	10/23/2020	**-94.3**	**0.08**
GMW-21	2021_SE1	5/12/2021	**-103.7**	**0.09**
GMW-21	2021_SE2	11/5/2021	**-44.1**	**0.13**
GMW-35R	2014_SE1	--	**--**	**--**
GMW-35R	2014_SE2	--	**--**	**--**
GMW-35R	2015_SE1	--	**--**	**--**

TABLE C4
HISTORICAL ANALYTICAL RESULTS FOR ORP AND DO IN GROUNDWATER
APRIL 2014 THROUGH NOVEMBER 2021

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

Well ID[1]	Sampling Event	Sample Date	ORP (mV)	DO (mg/L)
GMW-35R	2015_SE2	--	--	--
GMW-35R	2016_SE1	--	--	--
GMW-35R	2016_SE2	--	--	--
GMW-35R	2017_SE1	--	--	--
GMW-35R	2017_SE2	10/9/2017	**-137**	**0.25**
GMW-35R	2018_SE1	4/23/2018	**-106**	**0.46**
GMW-35R	2018_SE2	11/12/2018	**-9.4**	**0.08**
GMW-35R	2019_SE1	4/22/2019	**-86.8**	**0.29**
GMW-35R	2019_SE2	11/6/2019	**-89.9**	**0.22**
GMW-35R	2020_SE1	5/11/2020	**-117.1**	**0.1**
GMW-35R	2020_SE2	10/26/2020	**-155**	**0.1**
GMW-35R	2021_SE1	5/10/2021	**-83.1**	**0.1**
GMW-35R	2021_SE2	11/4/2021	**-106.2**	**0.1**
GMW-42	2014_SE1	--	--	--
GMW-42	2014_SE2	10/27/2014	**-50.8**	**0.64**
GMW-42	2015_SE1	4/22/2015	**-82.1**	**3.65**
GMW-42	2015_SE2	--	--	--
GMW-42	2016_SE1	--	--	--
GMW-42	2016_SE2	--	--	--
GMW-42	2017_SE1	4/17/2017	**-99.5**	**2.16**
GMW-42	2017_SE2	10/3/2017	**-137.9**	**0.41**
GMW-42	2018_SE1	4/20/2018	**-89.8**	**0.49**
GMW-42	2018_SE2	11/8/2018	**207.1**	**0.16**
GMW-42	2019_SE1	4/17/2019	**-49.1**	**7.7**
GMW-42	2019_SE2	10/29/2019	**29.6**	**0.15**
GMW-42	2020_SE1	5/6/2020	**43.7**	**0.1**
GMW-42	2020_SE2	10/20/2020	**17.5**	**0.1**
GMW-42	2021_SE1	5/4/2021	**106.5**	**0.1**
GMW-42	2021_SE2	11/4/2021	**67.4**	**0.21**
GMW-43	2014_SE1	--	--	--
GMW-43	2014_SE2	10/27/2014	**217.8**	**0.83**
GMW-43	2015_SE1	4/22/2015	**108.4**	**0.97**
GMW-43	2015_SE2	--	--	--
GMW-43	2016_SE1	--	--	--
GMW-43	2016_SE2	--	--	--
GMW-43	2017_SE1	4/17/2017	**-78.7**	**1.41**
GMW-43	2017_SE2	--	--	--
GMW-43	2018_SE1	4/18/2018	**-60.1**	**0.79**
GMW-43	2018_SE2	11/6/2018	**40.6**	**0.18**
GMW-43	2019_SE1	4/19/2019	**-52.8**	**0.39**
GMW-43	2019_SE2	10/31/2019	**-80.6**	**0.2**
GMW-43	2020_SE1	5/6/2020	**43**	**0.1**
GMW-43	2020_SE2	10/22/2020	**-76.3**	**0.1**
GMW-43	2021_SE1	5/10/2021	**28.8**	**0.1**
GMW-43	2021_SE2	11/8/2021	**-90.1**	**0.1**
GMW-45	2014_SE1	--	--	--
GMW-45	2014_SE2	10/30/2014	**-67.2**	**1.08**
GMW-45	2015_SE1	--	--	--
GMW-45	2015_SE2	--	--	--
GMW-45	2016_SE1	--	--	--
GMW-45	2016_SE2	10/10/2016	**-106.4**	**0.47**
GMW-45	2017_SE1	--	--	--
GMW-45	2017_SE2	10/10/2017	--	--
GMW-45	2018_SE1	--	--	--
GMW-45	2018_SE2	--	--	--
GMW-45	2019_SE1	5/10/2019	**-93.3**	**0.43**
GMW-45	2019_SE2	11/7/2019	**-99**	**0.1**
GMW-45	2020_SE1	5/11/2020	**-153.9**	**0.1**

TABLE C4
HISTORICAL ANALYTICAL RESULTS FOR ORP AND DO IN GROUNDWATER
APRIL 2014 THROUGH NOVEMBER 2021

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

Well ID[1]	Sampling Event	Sample Date	ORP (mV)	DO (mg/L)
GMW-45	2020_SE2	10/26/2020	**-207.4**	**0.09**
GMW-45	2021_SE1	5/10/2021	**-164.5**	**0.14**
GMW-45	2021_SE2	11/8/2021	**-182.3**	**0.12**
GMW-48	2014_SE1	--	**--**	**--**
GMW-48	2014_SE2	10/31/2014	**-171.7**	**1.05**
GMW-48	2015_SE1	4/29/2015	**-81.3**	**2.03**
GMW-48	2015_SE2	10/26/2015	**-147.1**	**1.26**
GMW-48	2016_SE1	--	**--**	**--**
GMW-48	2016_SE2	10/11/2016	**-98.6**	**1.48**
GMW-48	2017_SE1	4/21/2017	**-91.2**	**0.55**
GMW-48	2017_SE2	10/9/2017	**-158**	**0.42**
GMW-48	2018_SE1	4/23/2018	**-110**	**0.33**
GMW-48	2018_SE2	11/15/2018	**-22.3**	**0.17**
GMW-48	2019_SE1	4/18/2019	**-104.5**	**0.24**
GMW-48	2019_SE2	10/30/2019	**-141.3**	**0.12**
GMW-48	2020_SE1	5/8/2020	**-60.6**	**0.08**
GMW-48	2020_SE2	10/21/2020	**-26.8**	**0.15**
GMW-48	2021_SE1	5/5/2021	**-27.6**	**0.1**
GMW-48	2021_SE2	11/4/2021	**-67.2**	**0.13**
GMW-59	2014_SE1		**--**	**--**
GMW-59	2014_SE2	11/3/2014	**-145.2**	**2.58**
GMW-59	2015_SE1	4/29/2015	**-47.7**	**3.9**
GMW-59	2015_SE2	10/26/2015	**-82.4**	**3.52**
GMW-59	2016_SE1	4/14/2016	**-83.5**	**0.31**
GMW-59	2016_SE2	10/11/2016	**-41.3**	**0.86**
GMW-59	2017_SE1	4/21/2017	**-119.1**	**0.73**
GMW-59	2017_SE2	10/9/2017	**-164**	**0.25**
GMW-59	2018_SE1	4/23/2018	**-76.8**	**0.42**
GMW-59	2018_SE2	11/9/2018	**37.3**	**0.25**
GMW-59	2019_SE1	4/18/2019	**-133.9**	**0.17**
GMW-59	2019_SE2	10/30/2019	**-30.7**	**0.11**
GMW-59	2020_SE1	5/8/2020	**72.2**	**0.1**
GMW-59	2020_SE2	10/22/2020	**-12.1**	**0.1**
GMW-59	2021_SE1	5/10/2021	**-68.2**	**0.1**
GMW-61	2014_SE1		**--**	**--**
GMW-61	2014_SE2	10/29/2014	**-61.7**	**0.26**
GMW-61	2015_SE1	4/28/2015	**-172.4**	**0.83**
GMW-61	2015_SE2		**--**	**--**
GMW-61	2016_SE1	4/14/2016	**-123.7**	**0.44**
GMW-61	2016_SE2	10/7/2016	**-116.2**	**1.05**
GMW-61	2017_SE1	4/20/2017	**-93.5**	**0.64**
GMW-61	2017_SE2	10/9/2017	**-217.8**	**0.26**
GMW-61	2018_SE1	4/23/2018	**-168.5**	**0.34**
GMW-61	2018_SE2	11/9/2018	**-107.7**	**0.23**
GMW-61	2019_SE1	4/18/2019	**-120.1**	**0.17**
GMW-61	2019_SE2	11/6/2019	**82.7**	**0.2**
GMW-61	2020_SE1	5/8/2020	**102.5**	**0.13**
GMW-61	2020_SE2	10/21/2020	**113.5**	**0.12**
GMW-61	2021_SE1	5/5/2021	**-32.7**	**0.11**
GW-15	2014_SE1		**--**	**--**
GW-15	2014_SE2	11/3/2014	**-265.5**	**0.37**
GW-15	2015_SE1	4/21/2015	**-280.2**	**1.71**
GW-15	2015_SE2	10/26/2015	**-223.4**	**2.26**
GW-15	2016_SE1		**--**	**--**
GW-15	2016_SE2	10/11/2016	**-101.2**	**0.8**
GW-15	2017_SE1		**--**	**--**
GW-15	2017_SE2	10/9/2017	**-216.5**	**0.35**

TABLE C4
HISTORICAL ANALYTICAL RESULTS FOR ORP AND DO IN GROUNDWATER
APRIL 2014 THROUGH NOVEMBER 2021

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

Well ID[1]	Sampling Event	Sample Date	ORP (mV)	DO (mg/L)
GW-15	2018_SE1	4/23/2018	**-137.8**	**0.6**
GW-15	2018_SE2	11/15/2018	**53.5**	**0.15**
GW-15	2019_SE1	4/18/2019	**-150.4**	**0.36**
GW-15	2019_SE2	11/6/2019	**36.6**	**0.21**
GW-15	2020_SE1	5/7/2020	**48.4**	**0.11**
GW-15	2020_SE2	10/21/2020	**-37.4**	**0.08**
GW-15	2021_SE1	5/10/2021	**-83.6**	**0.1**
GW-16	2014_SE1	--	**--**	**--**
GW-16	2014_SE2	11/3/2014	**-217.1**	**0.85**
GW-16	2015_SE1	4/21/2015	**-133.1**	**0.65**
GW-16	2015_SE2	10/21/2015	**-179.9**	**1.12**
GW-16	2016_SE1	4/13/2016	**-93.3**	**0.08**
GW-16	2016_SE2	10/4/2016	**-104.2**	**0.67**
GW-16	2017_SE1	4/18/2017	**-17.4**	**1.19**
GW-16	2017_SE2	10/3/2017	**-185**	**0.14**
GW-16	2018_SE1	4/17/2018	**-63.4**	**1.45**
GW-16	2018_SE2	11/9/2018	**89.7**	**0.19**
GW-16	2019_SE1	4/16/2019	**-126.7**	**1.11**
GW-16	2019_SE2	10/30/2019	**-35.3**	**0.13**
GW-16	2020_SE1	5/5/2020	**61.7**	**0.34**
GW-16	2020_SE2	10/21/2020	**12.8**	**0.14**
GW-16	2021_SE1	5/5/2021	**-39.2**	**0.1**
GW-16	2021_SE2	11/4/2021	**-146.4**	**0.13**
TF-20R	2014_SE1		**--**	**--**
TF-20R	2014_SE2		**--**	**--**
TF-20R	2015_SE1		**--**	**--**
TF-20R	2015_SE2		**--**	**--**
TF-20R	2016_SE1		**--**	**--**
TF-20R	2016_SE2		**--**	**--**
TF-20R	2017_SE1		**--**	**--**
TF-20R	2017_SE2	10/10/2017	**-166.3**	**0.35**
TF-20R	2018_SE1	4/24/2018	**-120.5**	**0.3**
TF-20R	2018_SE2	11/15/2018	**-29.9**	**0.19**
TF-20R	2019_SE1	4/22/2019	**-76**	**0.38**
TF-20R	2019_SE2	11/6/2019	**-115.5**	**0.16**
TF-20R	2020_SE1	5/11/2020	**-111.9**	**0.12**
TF-20R	2020_SE2	10/28/2020	**-115.1**	**0.1**
TF-20R	2021_SE1	5/10/2021	**22**	**0.1**
MW-9	2014_SE1	4/17/2014	**-150.3**	**0.51**
MW-9	2014_SE2	--	**--**	**--**
MW-9	2015_SE1	--	**--**	**--**
MW-9	2015_SE2	10/26/2015	**-206.4**	**0.44**
MW-9	2016_SE1	--	**--**	**--**
MW-9	2016_SE2	--	**--**	**--**
MW-9	2017_SE1	4/19/2017	**-103.1**	**1.49**
MW-9	2017_SE2	10/5/2017	**-119.7**	**0.17**
MW-9	2018_SE1	--	**--**	**--**
MW-9	2018_SE2	11/9/2018	**-56.5**	**0.29**
MW-9	2019_SE1	4/18/2019	**-104.7**	**0.31**
MW-9	2019_SE2	10/30/2019	**-21.6**	**0.16**
MW-9	2020_SE1	5/8/2020	**-109**	**0.24**
MW-9	2020_SE2	11/6/2020	**-94.2**	**1.1**
MW-9	2021_SE1	5/5/2021	**-60.7**	**1**
MW-9	2021_SE2	11/1/2021	**-101.2**	**1.03**
MW-15R	2014_SE1	--	**--**	**--**
MW-15R	2014_SE2	--	**--**	**--**
MW-15R	2015_SE1	--	**--**	**--**

TABLE C4
HISTORICAL ANALYTICAL RESULTS FOR ORP AND DO IN GROUNDWATER
APRIL 2014 THROUGH NOVEMBER 2021

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

Well ID[1]	Sampling Event	Sample Date	ORP (mV)	DO (mg/L)
MW-15R	2015_SE2	--	--	--
MW-15R	2016_SE1	--	--	--
MW-15R	2016_SE2	--	--	--
MW-15R	2017_SE1	4/19/2017	**-76.9**	**0.66**
MW-15R	2017_SE2	10/5/2017	**-98.9**	**0.22**
MW-15R	2018_SE1	--	--	--
MW-15R	2018_SE2	11/5/2018	**-29.2**	**0.14**
MW-15R	2019_SE1	4/18/2019	**-104.1**	**0.43**
MW-15R	2019_SE2	10/30/2019	**155.4**	**0.49**
MW-15R	2020_SE1	5/11/2020	**-55.1**	**0.5**
MW-15R	2020_SE2	11/5/2020	**-38.4**	**0.73**
MW-15R	2021_SE1	5/5/2021	**-16.3**	**0.63**
MW-15R	2021_SE2	11/1/2021	**-32.9**	**0.69**
MW-27	2014_SE1	--	--	--
MW-27	2014_SE2	10/29/2014	**17.3**	**0.79**
MW-27	2015_SE1	4/22/2015	**-88.7**	**1.51**
MW-27	2015_SE2	10/23/2015	**-102.9**	**0.35**
MW-27	2016_SE1	4/13/2016	**-114.3**	**2.1**
MW-27	2016_SE2	10/5/2016	**-77.9**	**1.09**
MW-27	2017_SE1	4/19/2017	**-50.3**	**0.63**
MW-27	2017_SE2	10/4/2017	**-154.5**	**0.4**
MW-27	2018_SE1	4/19/2018	**-100.2**	**0.56**
MW-27	2018_SE2	11/8/2018	**95**	**0.21**
MW-27	2019_SE1	4/17/2019	**-31.6**	**1.18**
MW-27	2019_SE2	11/5/2019	**-59.2**	**0.12**
MW-27	2020_SE1	5/7/2020	**-75.2**	**0.1**
MW-27	2020_SE2	10/22/2020	**-87.6**	**0.1**
MW-27	2021_SE1	5/7/2021	**-115.1**	**0.1**
MW-27	2021_SE2	11/8/2021	**-111.8**	**0.13**
PZ-3	2014_SE1	--	--	--
PZ-3	2014_SE2	11/3/2014	**-159.5**	**2.35**
PZ-3	2015_SE1	4/22/2015	**-36.3**	**1.01**
PZ-3	2015_SE2	--	--	--
PZ-3	2016_SE1	--	--	--
PZ-3	2016_SE2	--	--	--
PZ-3	2017_SE1	--	--	--
PZ-3	2017_SE2	10/10/2017	**-140.7**	**0.32**
PZ-3	2018_SE1	4/20/2018	**-102.4**	**0.35**
PZ-3	2018_SE2	11/12/2018	**43.1**	**0.14**
PZ-3	2019_SE1	4/19/2019	**-41.9**	**0.33**
PZ-3	2019_SE2	10/31/2019	**-65.3**	**0.09**
PZ-3	2020_SE1	5/8/2020	**-45.8**	**0.1**
PZ-3	2020_SE2	10/26/2020	**-119.8**	**0.1**
PZ-3	2021_SE1	5/7/2021	**-44.5**	**0.1**
PZ-3	2021_SE2	11/9/2021	**-110.3**	**0.13**
TF-9R	2014_SE1	--	--	--
TF-9R	2014_SE2	10/31/2014	**-149.8**	**1.13**
TF-9R	2015_SE1	--	--	--
TF-9R	2015_SE2	--	--	--
TF-9R	2016_SE1	--	--	--
TF-9R	2016_SE2	--	--	--
TF-9R	2017_SE1	--	--	--
TF-9R	2017_SE2	10/5/2017	**-130.9**	**0.29**
TF-9R	2018_SE1	4/20/2018	**-118.2**	**0.45**
TF-9R	2018_SE2	11/12/2018	**64.6**	**0.21**
TF-9R	2019_SE1	4/19/2019	**-56.4**	**0.47**
TF-9R	2019_SE2	10/31/2019	**64**	**7.75**
TF-9R	2020_SE1	5/7/2020	**53.9**	**0.19**

TABLE C4
HISTORICAL ANALYTICAL RESULTS FOR ORP AND DO IN GROUNDWATER
APRIL 2014 THROUGH NOVEMBER 2021

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

Well ID[1]	Sampling Event	Sample Date	ORP (mV)	DO (mg/L)
TF-9R	2020_SE2	10/20/2020	**42**	**0.1**
TF-9R	2021_SE1	5/7/2021	**-59.3**	**0.11**
TF-9R	2021_SE2	11/8/2021	**118**	**0.18**
TF-15	2014_SE1	--	--	--
TF-15	2014_SE2	--	--	--
TF-15	2015_SE1	--	--	--
TF-15	2015_SE2	--	--	--
TF-15	2016_SE1	--	--	--
TF-15	2016_SE2	--	--	--
TF-15	2017_SE1	--	--	--
TF-15	2017_SE2	--	--	--
TF-15	2018_SE1	--	--	--
TF-15	2018_SE2	--	--	--
TF-15	2019_SE1	--	--	--
TF-15	2019_SE2	--	--	--
TF-15	2020_SE1	5/12/2020	**-123.9**	**0.12**
TF-15	2020_SE2	10/26/2020	**-112.8**	**0.13**
TF-15	2021_SE1	5/12/2021	**-136.1**	**0.09**
TF-15	2021_SE2	11/8/2021	**-174**	**0.1**
TF-16	2014_SE1	--	--	--
TF-16	2014_SE2	--	--	--
TF-16	2015_SE1	--	--	--
TF-16	2015_SE2	--	--	--
TF-16	2016_SE1	--	--	--
TF-16	2016_SE2	--	--	--
TF-16	2017_SE1	--	--	--
TF-16	2017_SE2	10/10/2017	--	--
TF-16	2018_SE1	--	--	--
TF-16	2018_SE2	--	--	--
TF-16	2019_SE1	--	--	--
TF-16	2019_SE2	--	--	--
TF-16	2020_SE1	5/12/2020	**-103.3**	**0.12**
TF-16	2020_SE2	10/26/2020	**-119.5**	**0.13**
TF-16	2021_SE1	5/12/2021	**-114.8**	**0.1**
TF-16	2021_SE2	11/8/2021	**-94.5**	**0.1**
TF-21	2014_SE1	--	--	--
TF-21	2014_SE2	10/30/2014	**121.5**	**0.25**
TF-21	2015_SE1	4/29/2015	**-97.7**	**2.76**
TF-21	2015_SE2	--	--	--
TF-21	2016_SE1	--	--	--
TF-21	2016_SE2	10/11/2016	**-94.8**	**2.81**
TF-21	2017_SE1	4/21/2017	**-103.4**	**0.5**
TF-21	2017_SE2	10/9/2017	**-154.3**	**0.32**
TF-21	2018_SE1	4/23/2018	**-116.9**	**0.41**
TF-21	2018_SE2	11/12/2018	**50**	**0.1**
TF-21	2019_SE1	4/22/2019	**-88.6**	**0.45**
TF-21	2019_SE2	10/30/2019	**-134.5**	**0.12**
TF-21	2020_SE1	5/8/2020	**-2.3**	**0.11**
TF-21	2020_SE2	10/23/2020	**-115.7**	**0.45**
TF-21	2021_SE1	5/5/2021	**-86.9**	**0.1**
TF-21	2021_SE2	11/4/2021	**112.4**	**0.1**
TF-23	2014_SE1	--	--	--
TF-23	2014_SE2	--	--	--
TF-23	2015_SE1	--	--	--
TF-23	2015_SE2	--	--	--
TF-23	2016_SE1	--	--	--
TF-23	2016_SE2	--	--	--

TABLE C4
HISTORICAL ANALYTICAL RESULTS FOR ORP AND DO IN GROUNDWATER
APRIL 2014 THROUGH NOVEMBER 2021

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

Well ID[1]	Sampling Event	Sample Date	ORP (mV)	DO (mg/L)
TF-23	2017_SE1	4/24/2017	**-64.3**	**0.53**
TF-23	2017_SE2	--	**--**	**--**
TF-23	2018_SE1	--	**--**	**--**
TF-23	2018_SE2	--	**--**	**--**
TF-23	2019_SE1	4/22/2019	**-92.4**	**0.28**
TF-23	2019_SE2	--	**--**	**--**
TF-23	2020_SE1	5/11/2020	**-96.7**	**0.12**
TF-23	2020_SE2	10/26/2020	**-53.7**	**0.08**
TF-23	2021_SE1	5/12/2021	**-52**	**0.1**
TF-23	2021_SE2	11/9/2021	**-130.5**	**0.1**
TF-24	2014_SE1	--	**--**	**--**
TF-24	2014_SE2	10/29/2014	**-81.3**	**0.43**
TF-24	2015_SE1	4/29/2015	**-98.2**	**3.18**
TF-24	2015_SE2	--	**--**	**--**
TF-24	2016_SE1	--	**--**	**--**
TF-24	2016_SE2	10/11/2016	**-56**	**0.52**
TF-24	2017_SE1	4/21/2017	**-95.7**	**0.55**
TF-24	2017_SE2	10/5/2017	**-155.4**	**0.3**
TF-24	2018_SE1	4/20/2018	**-117**	**0.37**
TF-24	2018_SE2	11/12/2018	**41.4**	**0.11**
TF-24	2019_SE1	4/19/2019	**-89.6**	**0.3**
TF-24	2019_SE2	11/6/2019	**-84.5**	**0.1**
TF-24	2020_SE1	5/11/2020	**19.3**	**0.12**
TF-24	2020_SE2	10/23/2020	**-65.7**	**0.09**
TF-24	2021_SE1	5/12/2021	**-134.4**	**0.1**
TF-24	2021_SE2	11/5/2021	**-82.8**	**0.13**

Notes:

Detected concentrations are shown in **bold**.

DO = Dissolved Oxygen

ORP = Oxidation Reduction Potential

-- = data unavailable

1. Dissolved oxygen and oxygen reduction potential results unavailable for wells GMW-17R, GMW-18, GMW-31, GMW-47, GMW-57, GMW-58, GMW-60, GMW-62, GMW-69, MW-13, MW-29, TF-17R, and TF-18.

TABLE C5 - Biosparge System Evaluation Summary

Fourth Quarter 2021

DFSP Norwalk, 15306 Norwalk Blvd, Norwalk, California

Monitoring Well	Pressure Increase During Sparging ("H2O)	Nearest Biosparge Well	Distance (feet)	Treatment Status	Recommendations
GW-15	--	BSP-11	14	*Low/decreasing dissolved TPH-d trends, low DO, flucuating ORP since 2019.*	*No action needed.*
GMW-14R	-0.3	BSP-17	18	*Effective based on dissolved levels of oxygen, ORP, and TPH-d; anamalous influence reading (SVE active).*	*No action needed.*
GW-61	--	BSP-13	18	*Increasing dissolved TPH-d trends, low DO, negative ORP.*	*Evaluate need for additional biosparge well located upgradient within 20 feet.*
GMW-58	-2.5	RW-8	9	*Low/stable dissolved TPH-d trends, low DO, negative ORP. Anamalous influence reading (SVE active).*	*Adjust air flow and cycling configuration to nearby well RW-8. Confirm improved influence post-adjustments.*
GMW-59	-0.25	RW-10	26	*Increasing dissolved TPH-d trends, low DO, negative ORP. Anamalous influence reading (SVE active).*	*Evaluate need for additional biosparge well located upgradient within 20 feet.*
GMW-43	0	TFB-11	35	*Limited influence, low/stable dissolved TPH-d trends, low DO, negative ORP.*	*Evaluate need for additional biosparge well located upgradient within 20 feet.*
GMW-19	0.02	TFB-14	74	*Limited influence, low/stable dissolved TPH-d trends, low DO, negative ORP.*	*Evaluate need for additional biosparge well located upgradient within 20 feet.*
MW-27	0.045	BSP-23	53	*Limited influence, increasing dissolved TPH-d trends, low DO, negative ORP.*	*Evaluate need for additional biosparge well located upgradient within 20 feet.*
GMW-42	0.045	BSP-25	22	*Limited influence, low/stable dissolved TPH-d trends, low DO, increasing ORP.*	*Adjust air flow and cycling configuration to nearby wells BSP-25, BSP-26, and BSP-29. Confirm improved influence post-adjustments.*
TF-9R	0.05	BSP-21	44	*Limited influence, increasing dissolved TPH-d trends, low DO, negative ORP.*	*Evaluate need for additional biosparge well located upgradient within 20 feet.*
PZ-3	0.085	TFB-7	26	*Limited influence, high/stable dissolved TPH-d trends, low DO, negative ORP.*	*Adjust air flow and cycling configuration to nearby wells TFB-7, TFB-9, and TFB-10. Confirm improved influence post-adjustments.*
GMW-35R	0.16	TFB-32	31	*Limited influence, high/stable dissolved TPH-d trends, low DO, negative ORP.*	*Adjust air flow and cycling configuration to nearby wells TFB-32 and TFB-28. Confirm improved influence post-adjustments.*
GW-16	0.175	RW-16	14	*Limited influence, low/stable dissolved TPH-d trends, low DO, increasing ORP.*	*Adjust air flow and cycling configuration to nearby wells RW-15, RW-16, and RW-17. Confirm improved influence post-adjustments.*
TF-24	0.175	TFB-6	35	*Limited influence, high/stable dissolved TPH-d trends, low DO, negative ORP.*	*Evaluate need for additional biosparge well located upgradient within 20 feet.*
TF-16	0.23	TFB-15	35	*Limited influence, high/increasing dissolved TPH-d trends, low DO, negative ORP.*	*Evaluate need for additional biosparge well located upgradient within 20 feet.*
GMW-10	0.25	RW-39	9	*Limited influence, high/stable dissolved TPH-d trends, low DO, negative ORP.*	*Investigate pressure drop obsserved at RW-39 wellhead during testing; adjust air flow and cycling configuration for RW-39, RW-44, and RW-45. Confirm improved influence post-adjustments.*
TF-15	0.3	TFB-13	35	*Limited influence, high/increasing dissolved TPH-d trends, low DO, negative ORP.*	*Evaluate need for additional biosparge well located upgradient within 20 feet.*
GMW-12	0.31	RW-50	105	*Limited influence, high/increasing dissolved TPH-d trends, low DO, negative ORP.*	*Evaluate need for additional biosparge well located upgradient within 20 feet.*
MW-15R	0.37	BSP-15	18	*Limited influence, low/stable dissolved TPH-d trends, increasing ORP, stable DO since 2019.*	*Adjust air flow and cycling configuration to nearby wells BSP-15, BSP-16, and RW-26. Confirm improved influence post-adjustments.*
MW-9	0.63	RW-32	70	*Moderate influence, low/decreasing dissolved TPH-d trends, stable ORP, increase in DO since 2019.*	*No action needed.*
GMW-45	0.71	TFB-27	7	*Moderate influence, low/decreasing dissolved TPH-d trends, stable ORP, increase in DO since 2019.*	*No action needed.*
	0.71	TFB-31	70		
GMW-48	0.835	TFB-38	18	*Moderate influence, low/decreasing dissolved TPH-d trends, stable DO, increase in ORP since 2019.*	*No action needed.*
TF-23	0.84	TFB-21	53	*Moderate influence, high/increasing dissolved TPH-d trends, low DO, negative ORP.*	*Evaluate need for additional biosparge well located upgradient within 20 feet.*
TF-18	1.0	TFB-23	53	*Moderate influence, high/stable dissolved TPH-d trends, low DO, negative ORP.*	*Evaluate need for additional biosparge well located upgradient within 20 feet.*

TABLE C5 - Biosparge System Evaluation Summary

Fourth Quarter 2021

DFSP Norwalk, 15306 Norwalk Blvd, Norwalk, California

Monitoring Well	Pressure Increase During Sparging ("H2O)	Nearest Biosparge Well	Distance (feet)	Treatment Status	Recommendations
GMW-4R	1.06	**RW-32**	*40*	*Moderate influence, low/increasing dissolved TPH-d trends, low DO, negative/decreasing ORP since 2019.*	*Adjust air flow and cycling configuration to nearby wells BSP-19, BSP-20, and RW-32. Confirm improved influence post-adjustments.*
TF-21	1.3	**TFB-35**	*18*	*Moderate influence, low/decreasing dissolved TPH-d trends, low DO, positive/increasing ORP since 2019.*	*No action needed.*
TF-17R	1.5	**TFB-24**	*44*	*Moderate influence, high/stable dissolved TPH-d trends.*	*Evaluate need for additional biosparge well located upgradient within 20 feet.*
GMW-21	2.2	**TFB-5**	*18*	*Good influence, low/decreasing dissolved TPH-d trends, low DO, increasing ORP since 2019.*	*No action needed.*
GMW-7	2.43	**TFB-10**	*26*	*Good influence, low/decreasing dissolved TPH-d trends, low DO, stable ORP since 2019.*	*No action needed.*
TF-20R	2.5	**TFB-30**	*35*	*Good influence, low/decreasing dissolved TPH-d trends, low DO, increasing ORP since 2019.*	*No action needed.*

Legend / Notes:

SPCV = Sparge Pressure Control Vault "H2O = inches of water column

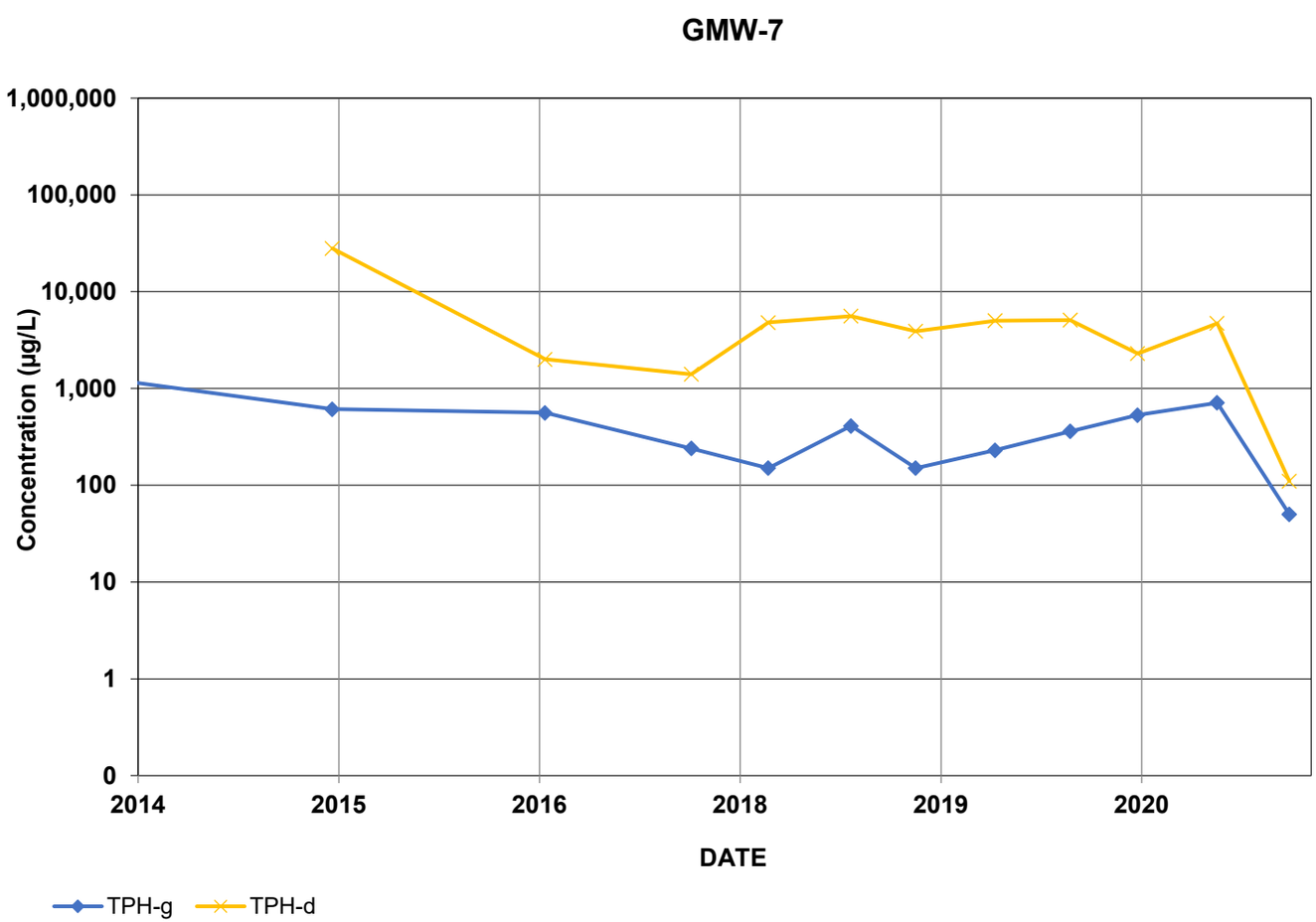
-- = Reading not taken SVE = soil vapor extraction

Green indicates decreasing dissolved TPH-d trends, high pressure increase during sparging (>1.0 "H2O), and/or short distance to nearest sparging well (<15 feet)

Yellow indicates stable dissolved TPH-d trends, moderate pressure increase during sparging (<1.0 "H2O), and/or moderate distance to nearest sparging well (<35 feet)

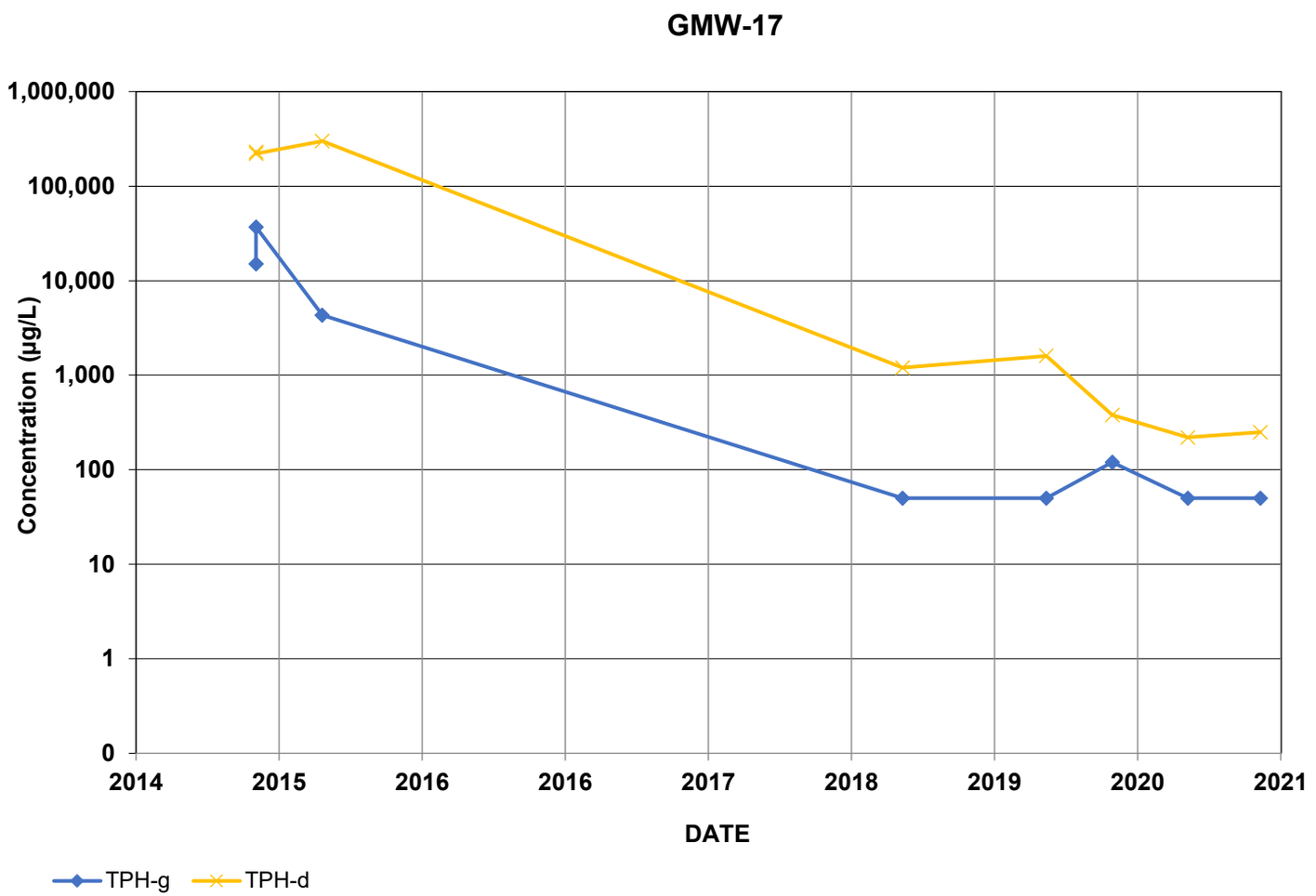
Red indicates increasing dissolved TPH-d trends, low pressure increase during sparging (<0.1 "H2O), and/or long distance to nearest sparging well (>35 feet)

Closest Biosparge Well: TFB-10 (26 feet)



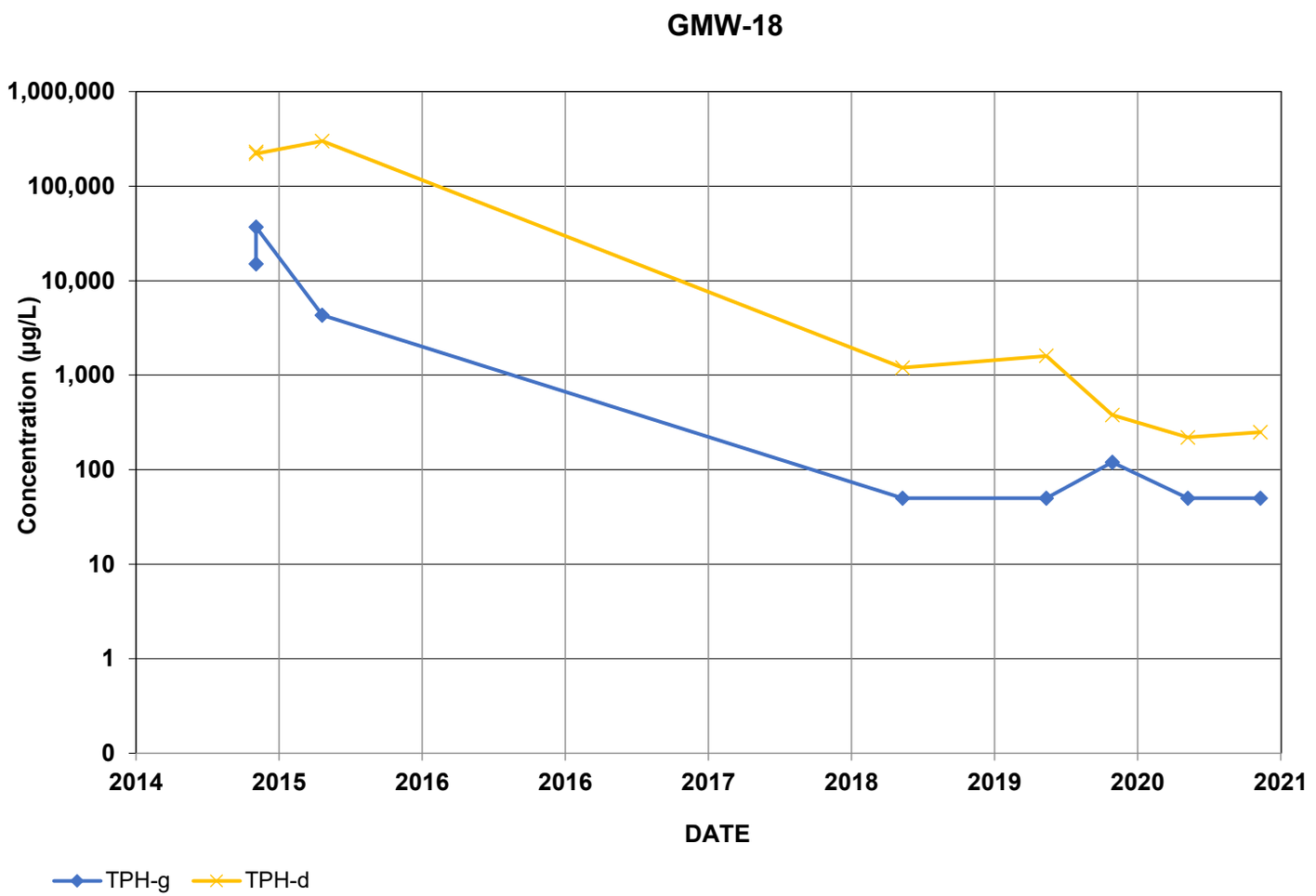
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix C)

Closest Biosparge Well: BSP-24 (52.5 feet)



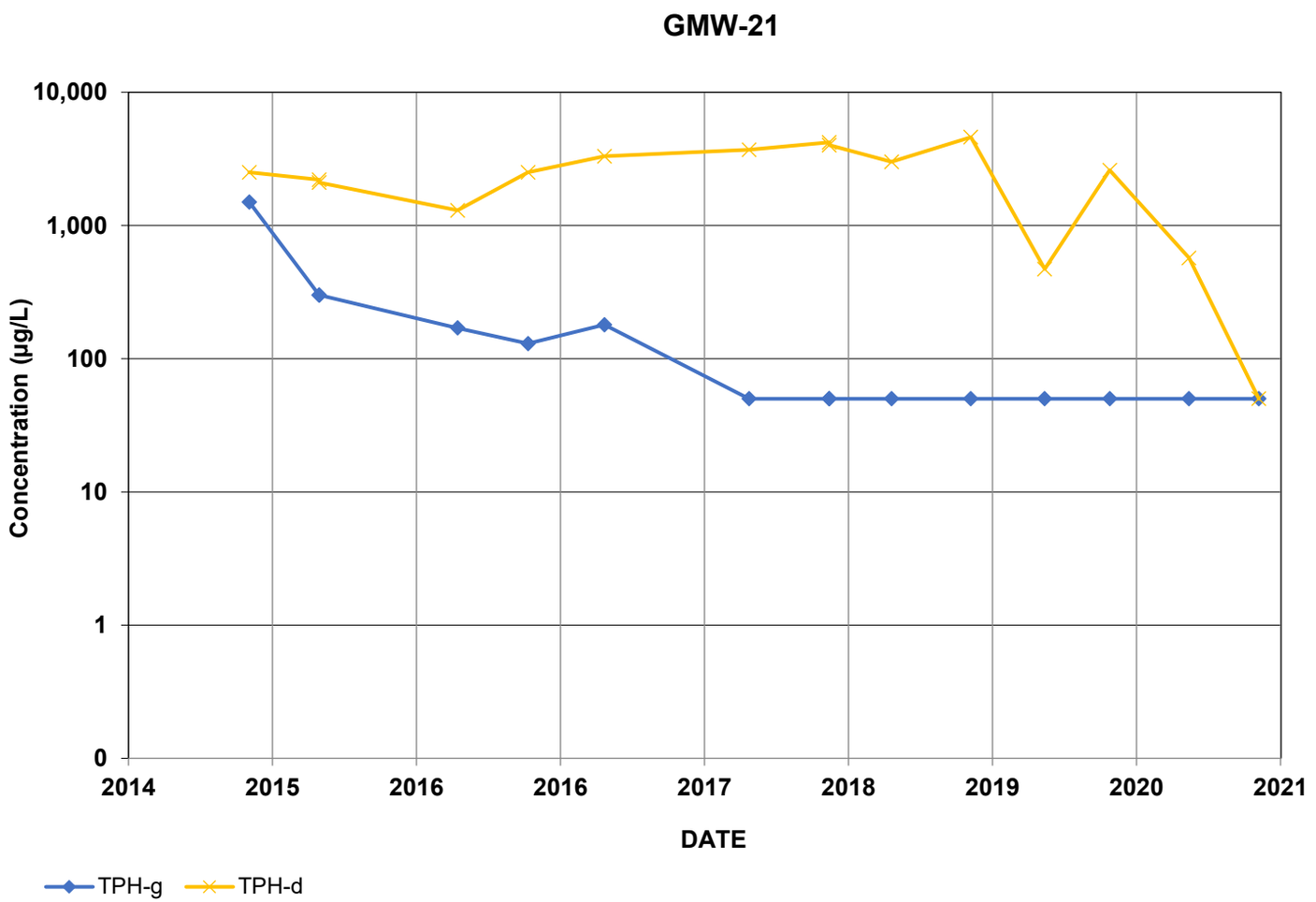
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix C)

Closest Biosparge Well: TFB-9 (52.5 feet)



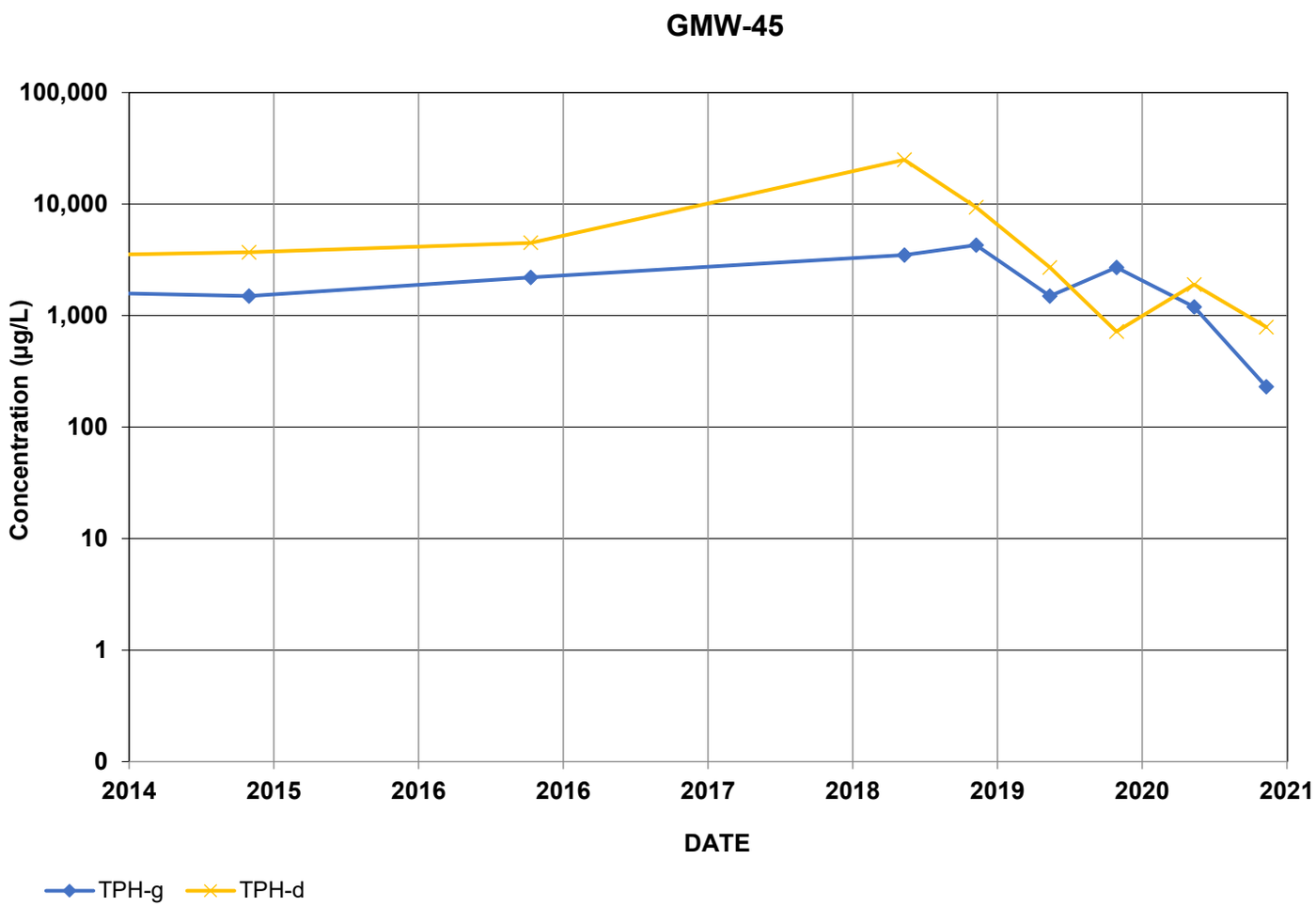
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix C)

Closest Biosparge Well: TFB-5 (18 feet)



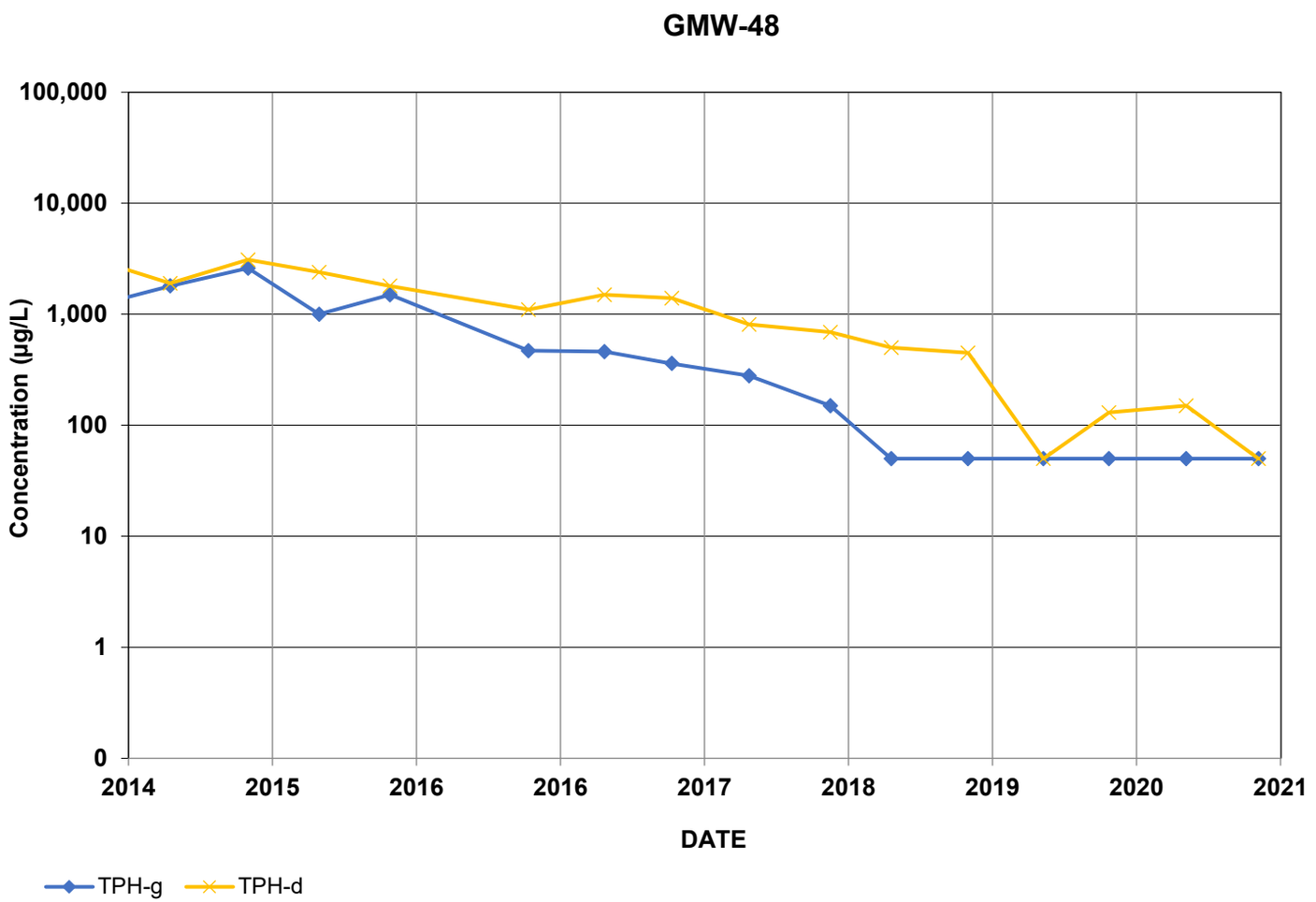
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix C)

Closest Biosparge Wells: TFB-27 (4 feet), TFB-31 (70 feet)



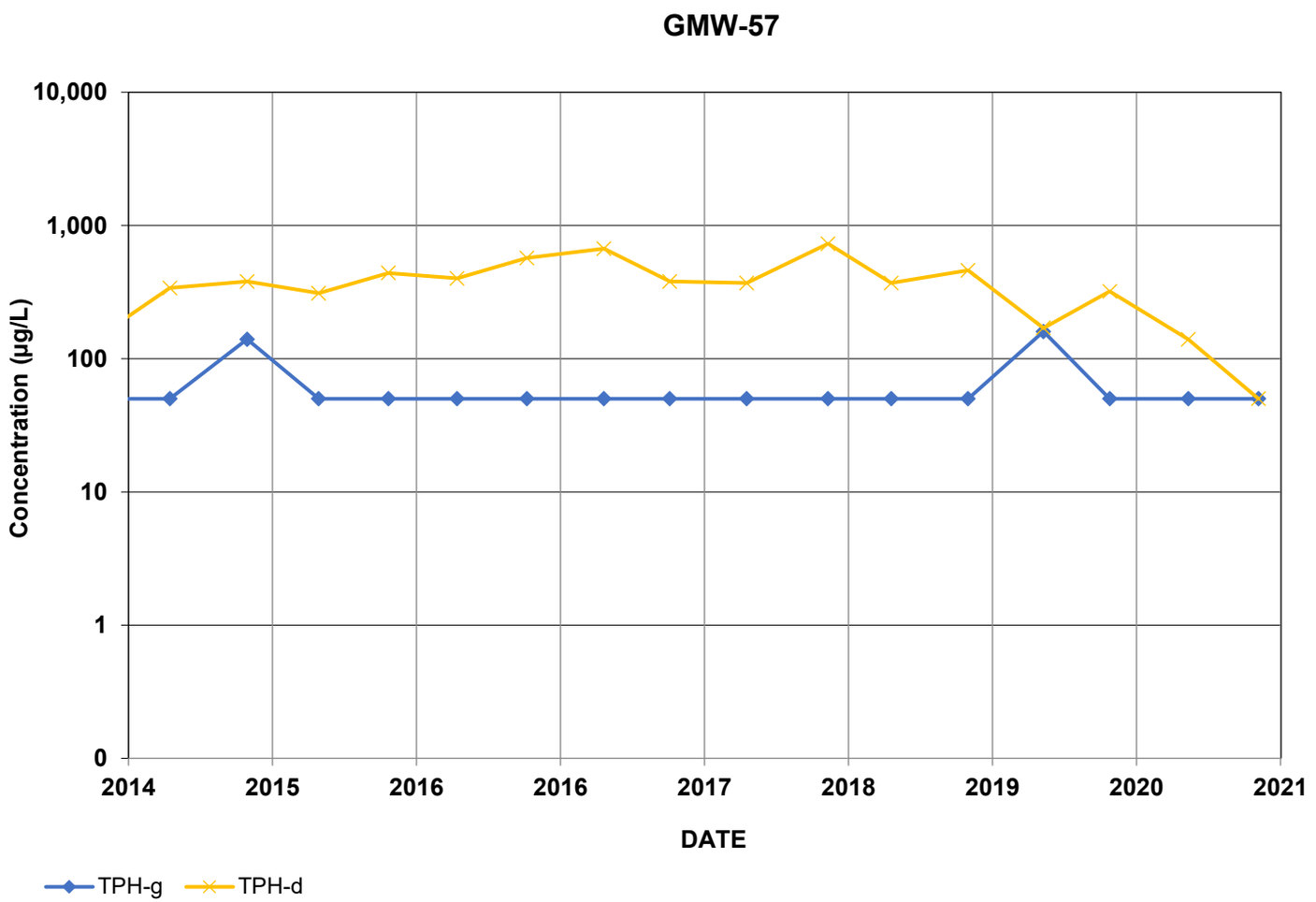
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix C)

Closest Biosparge Well: TFB-38 (18 feet)



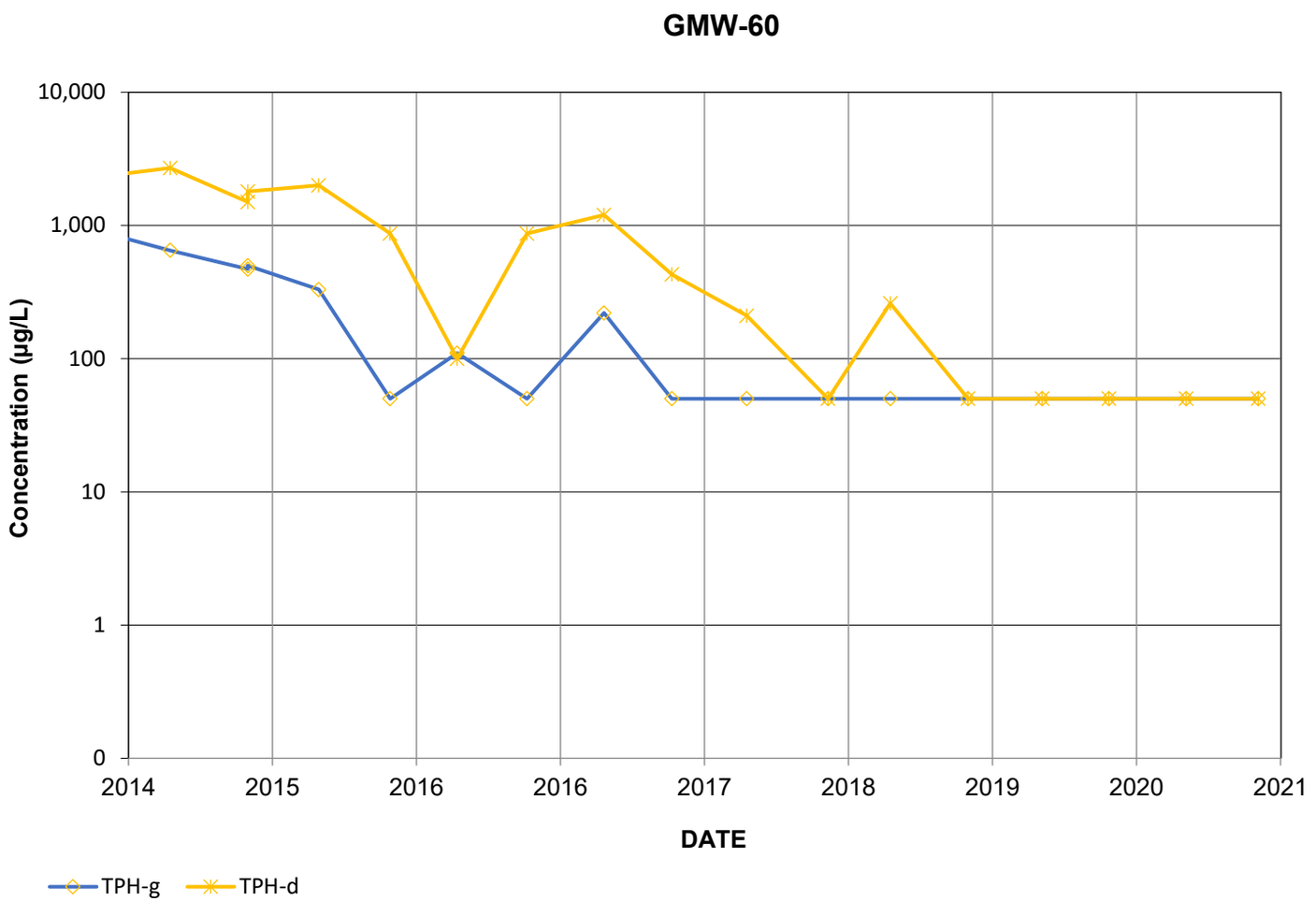
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix C)

Closest Biosparge Well: RW-6 (70 feet)



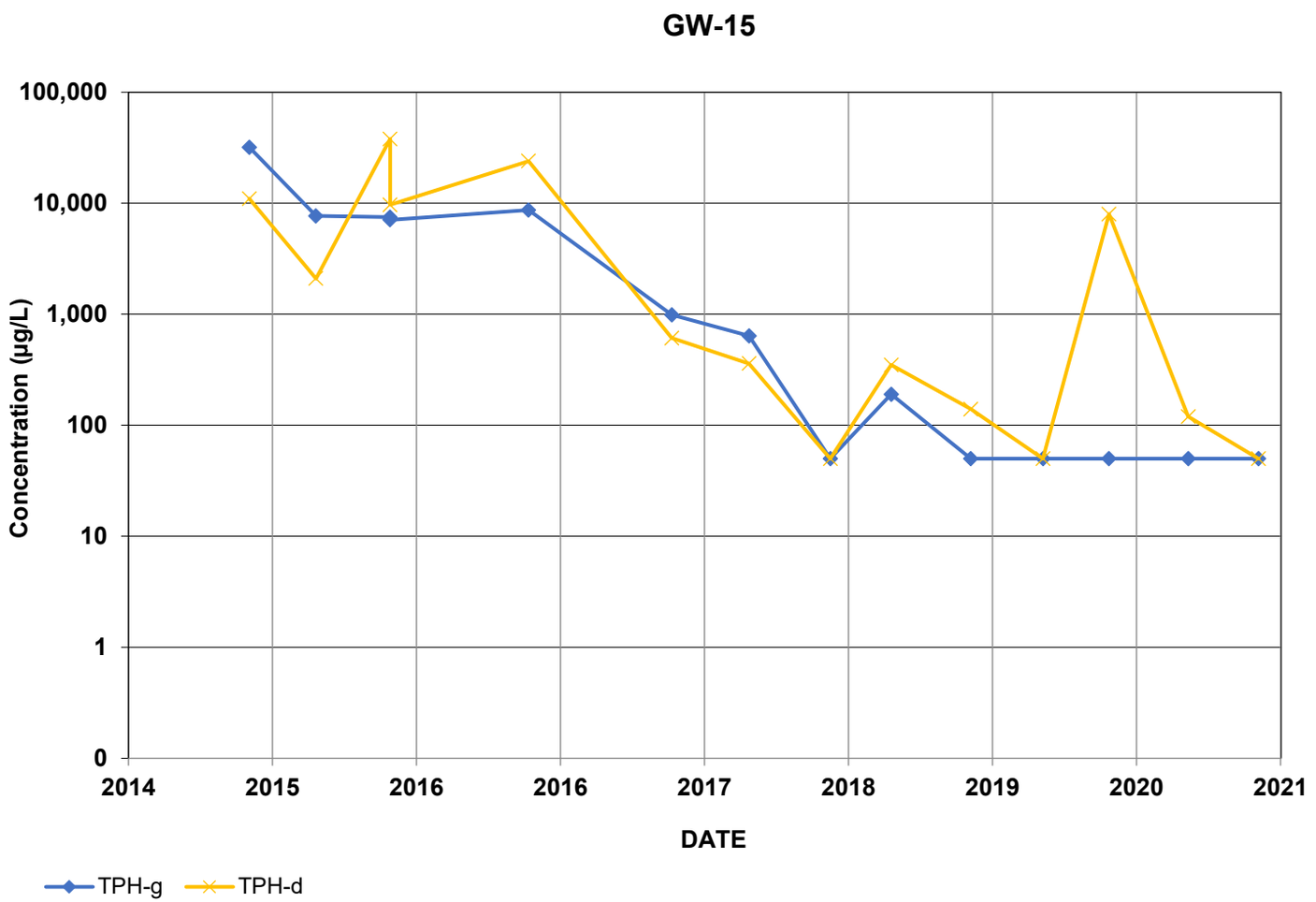
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix C)

Closest Biosparge Well: BSP-10 (17.5 feet)



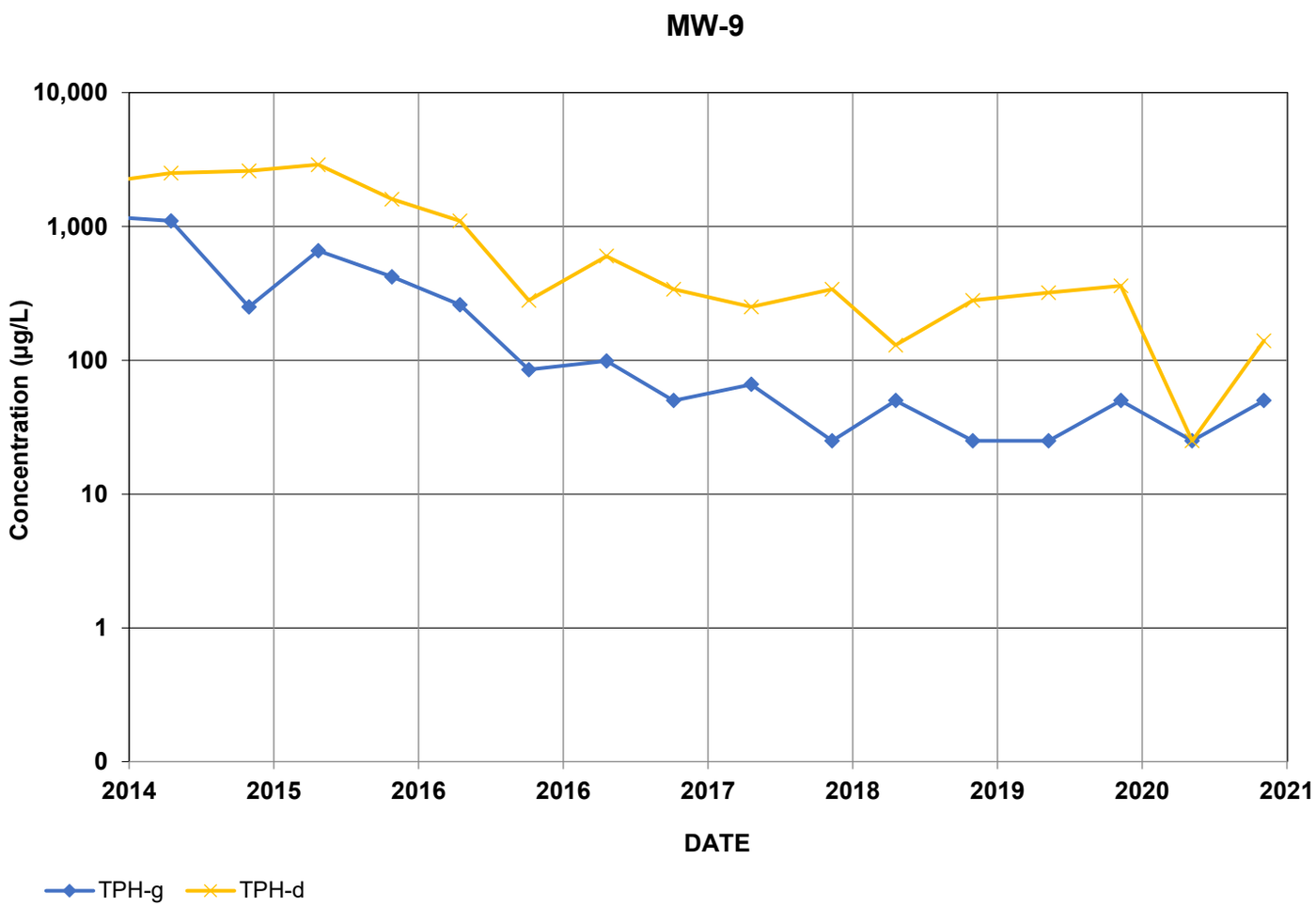
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix C)

Closest Biosparge Well: BSP-11 (14 feet)



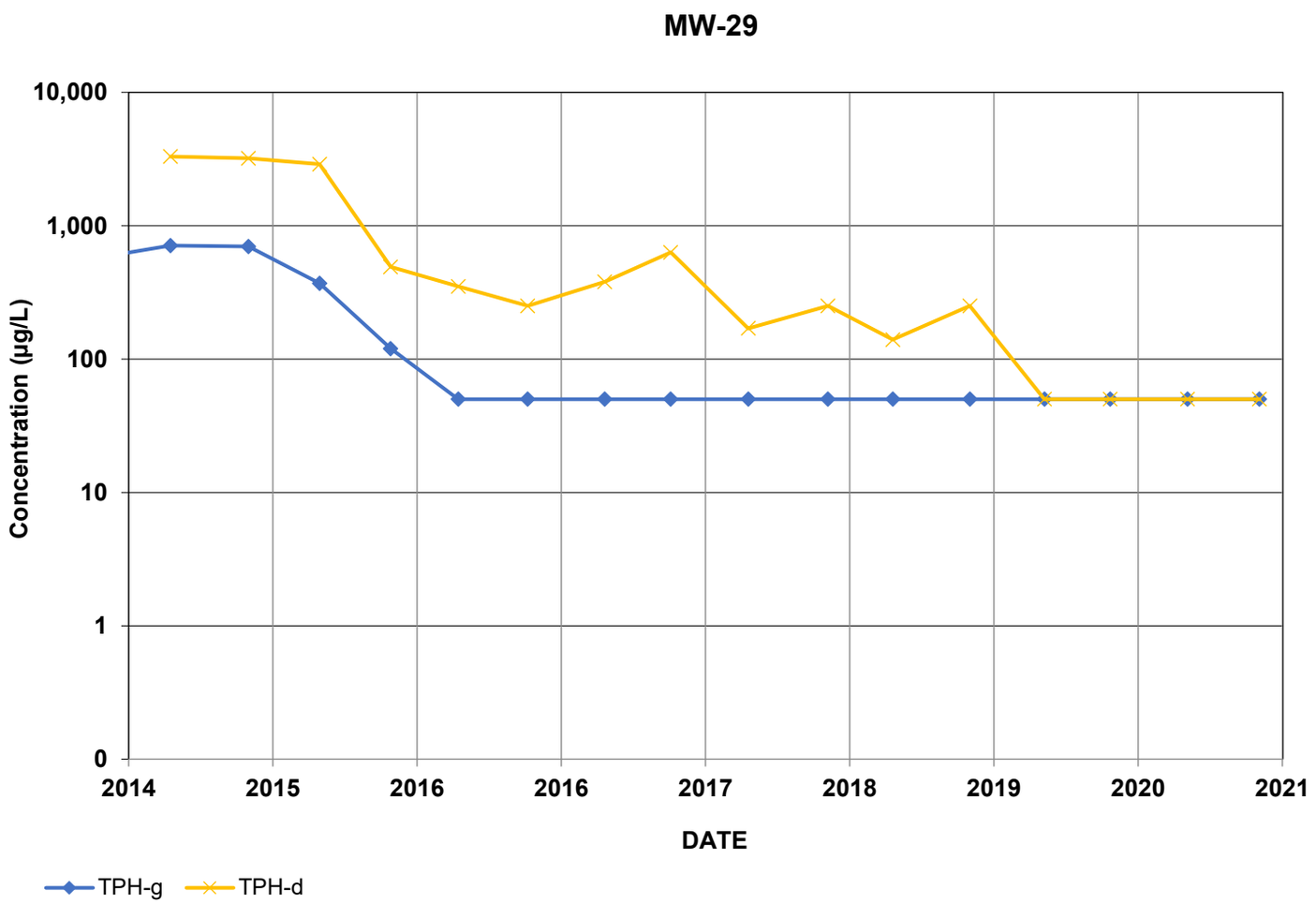
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix C)

Closest Biosparge Wells: BSP-19 (70 feet), RW-32 (70 feet)



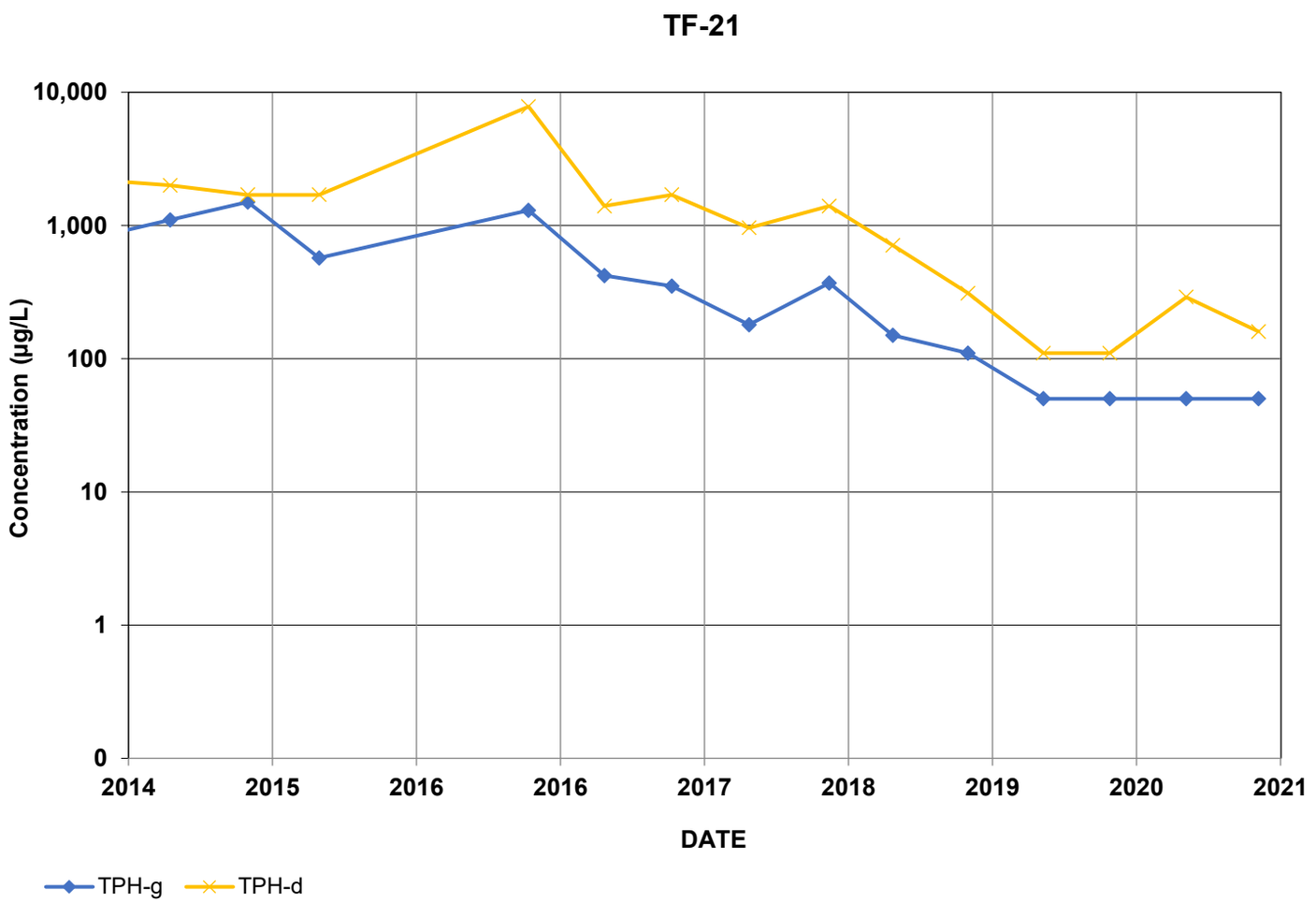
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix C)

Closest Biosparge Well: TFB-20 (9 feet)



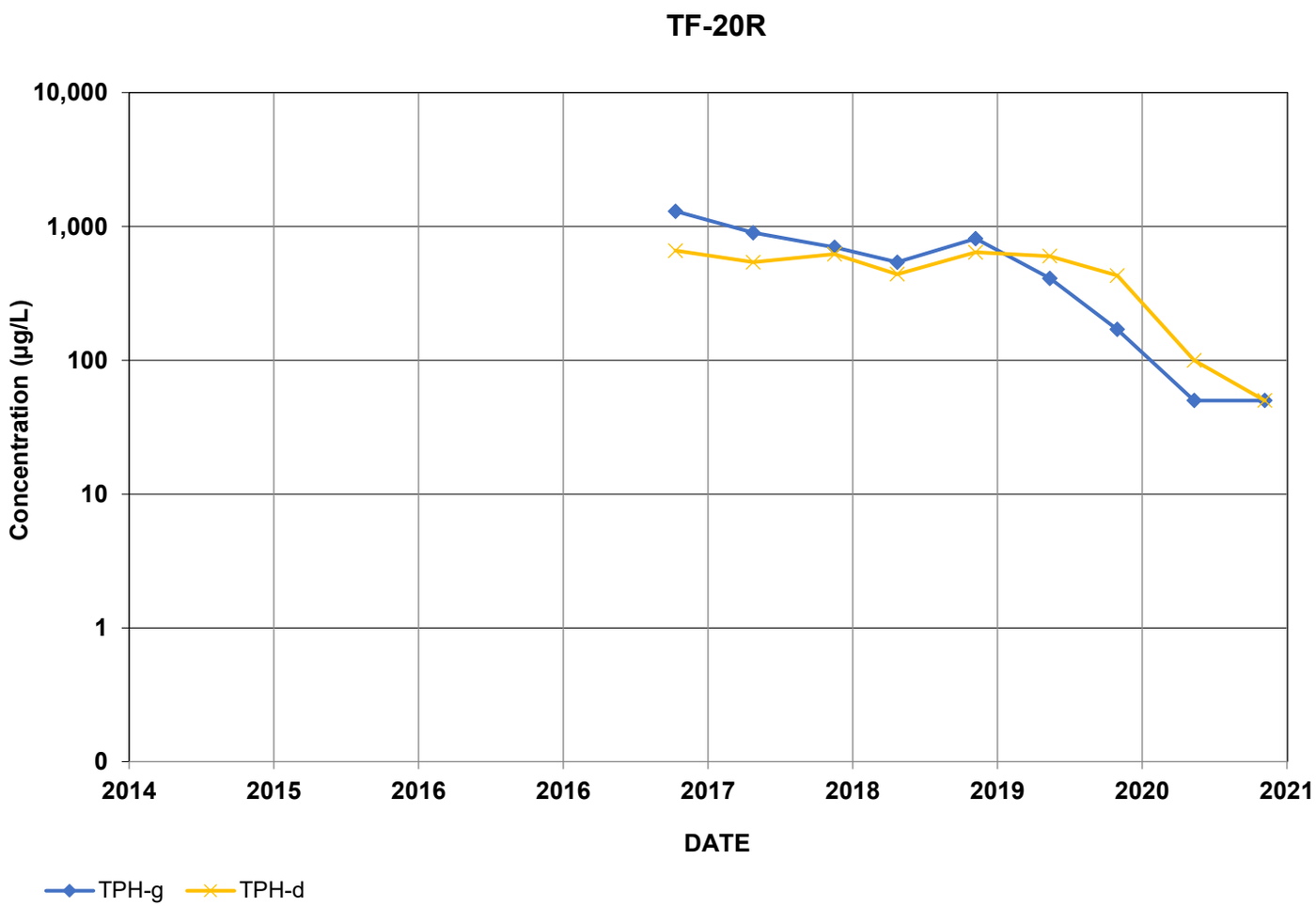
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix C)

Closest Biosparge Well: TFB-35 (18 feet)



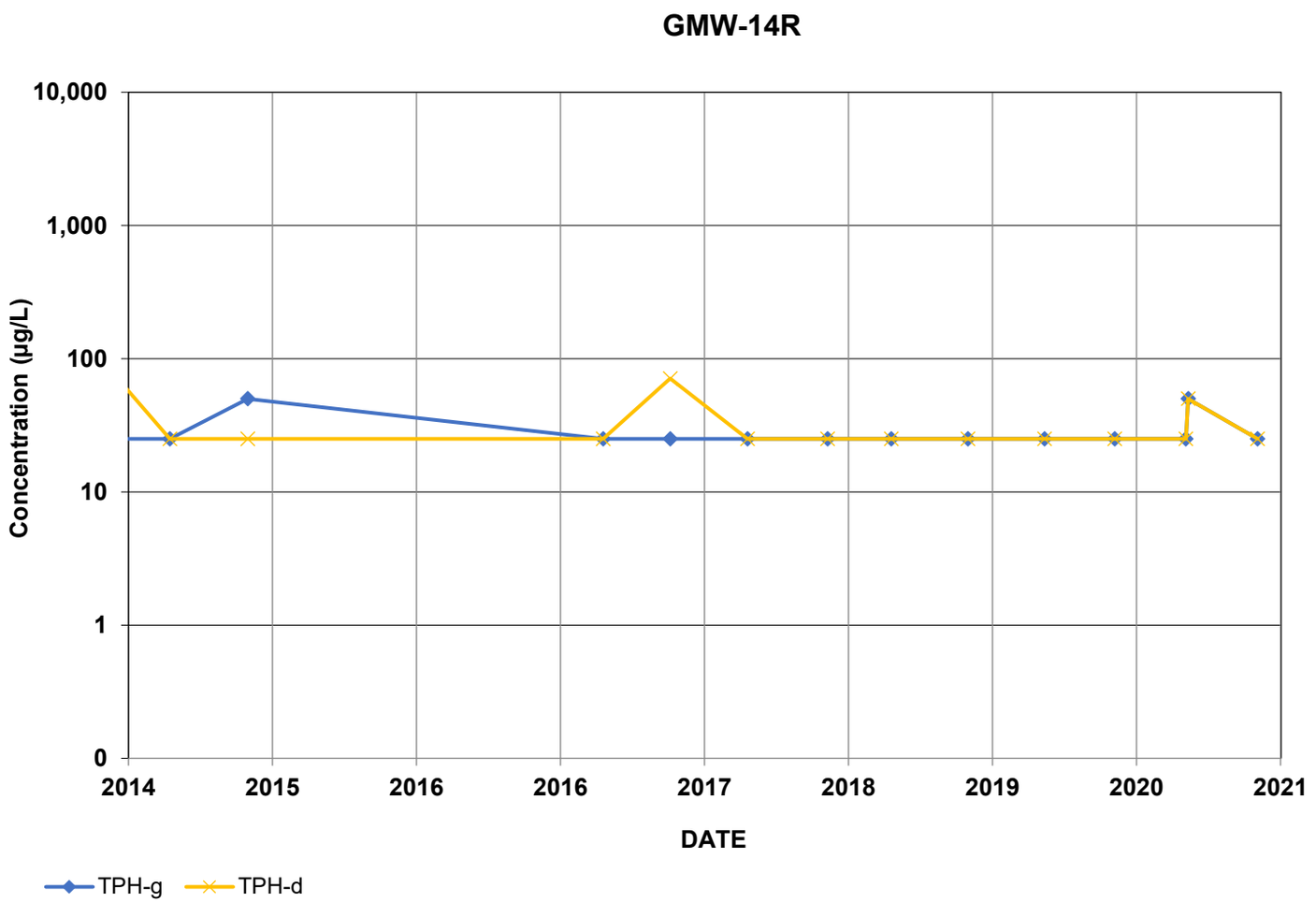
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix C)

Closest Biosparge Well: TFB-30 (35 feet)



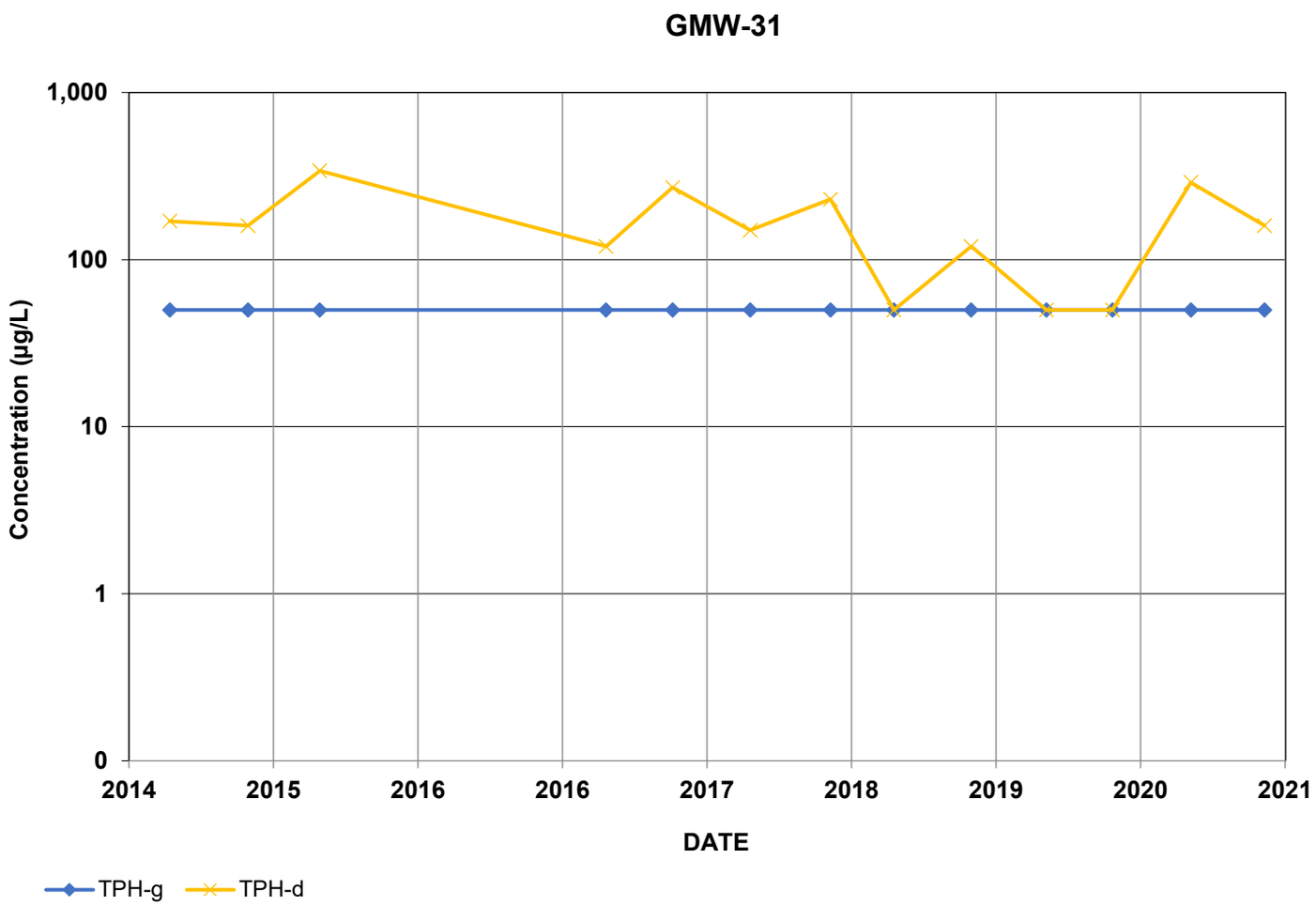
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix C)

Closest Biosparge Well: BSP-17 (18 feet)



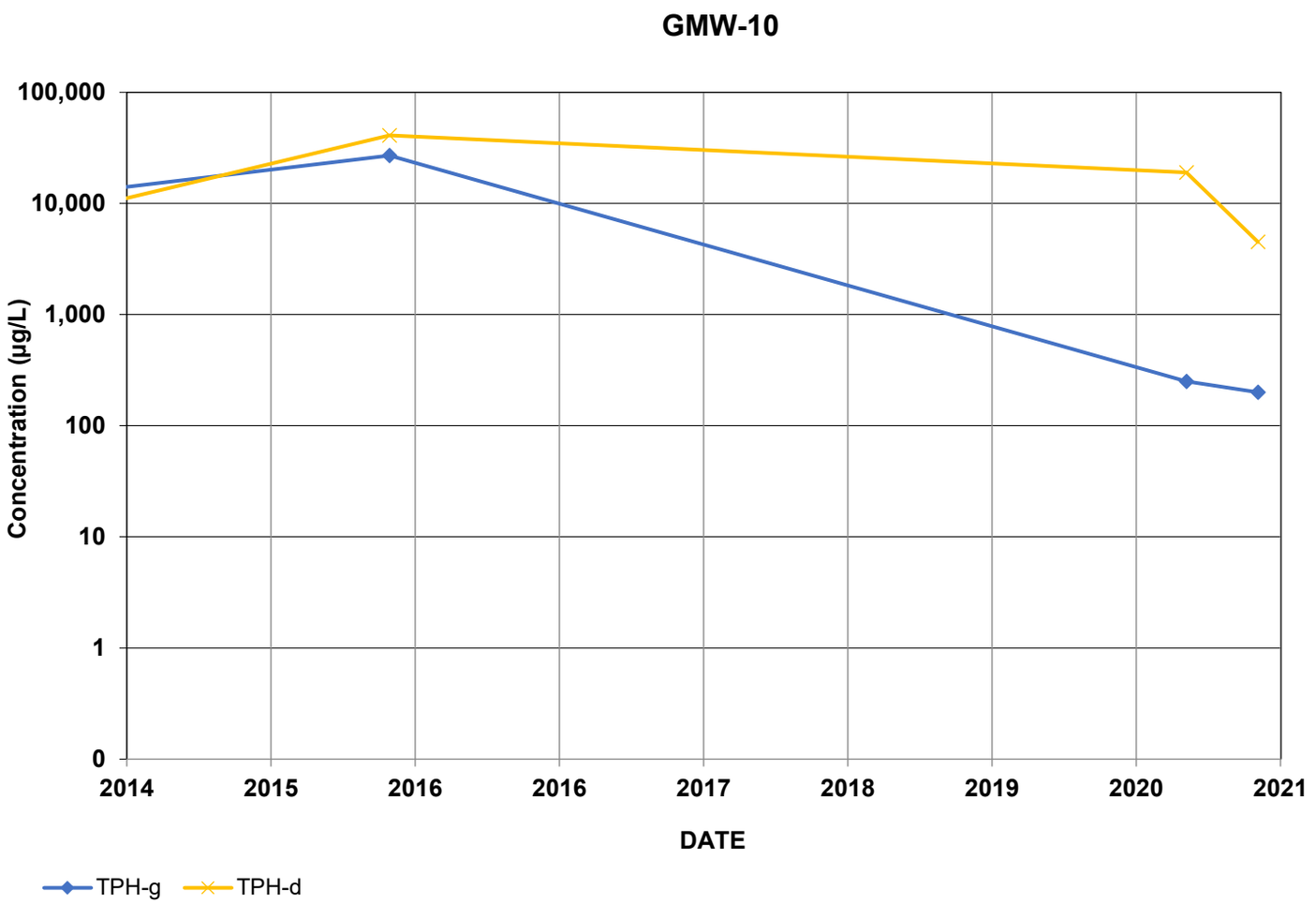
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix C)

Closest Biosparge Well: TFB-7 (70 feet)



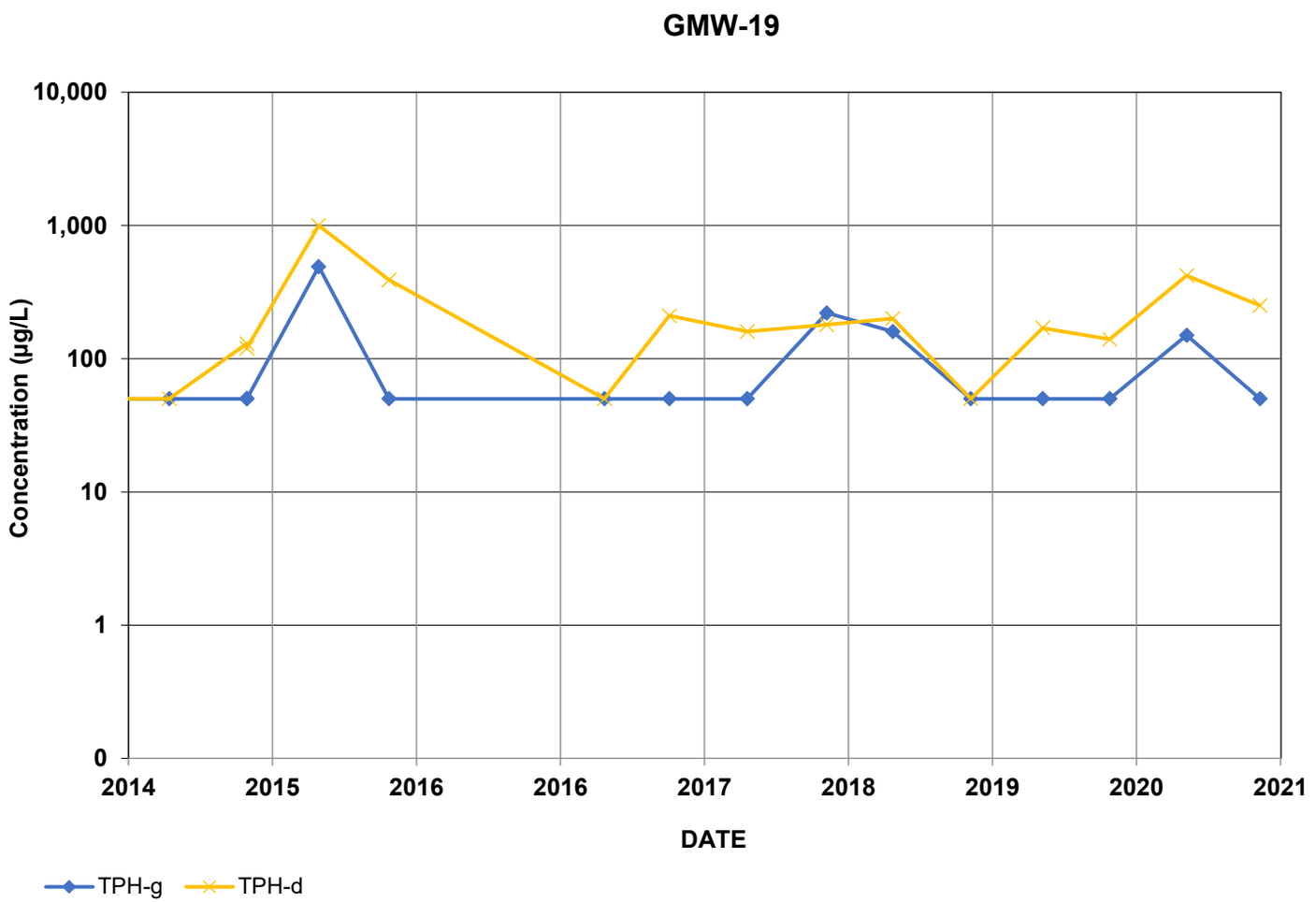
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix C)

Closest Biosparge Well: RW-39 (9 feet)



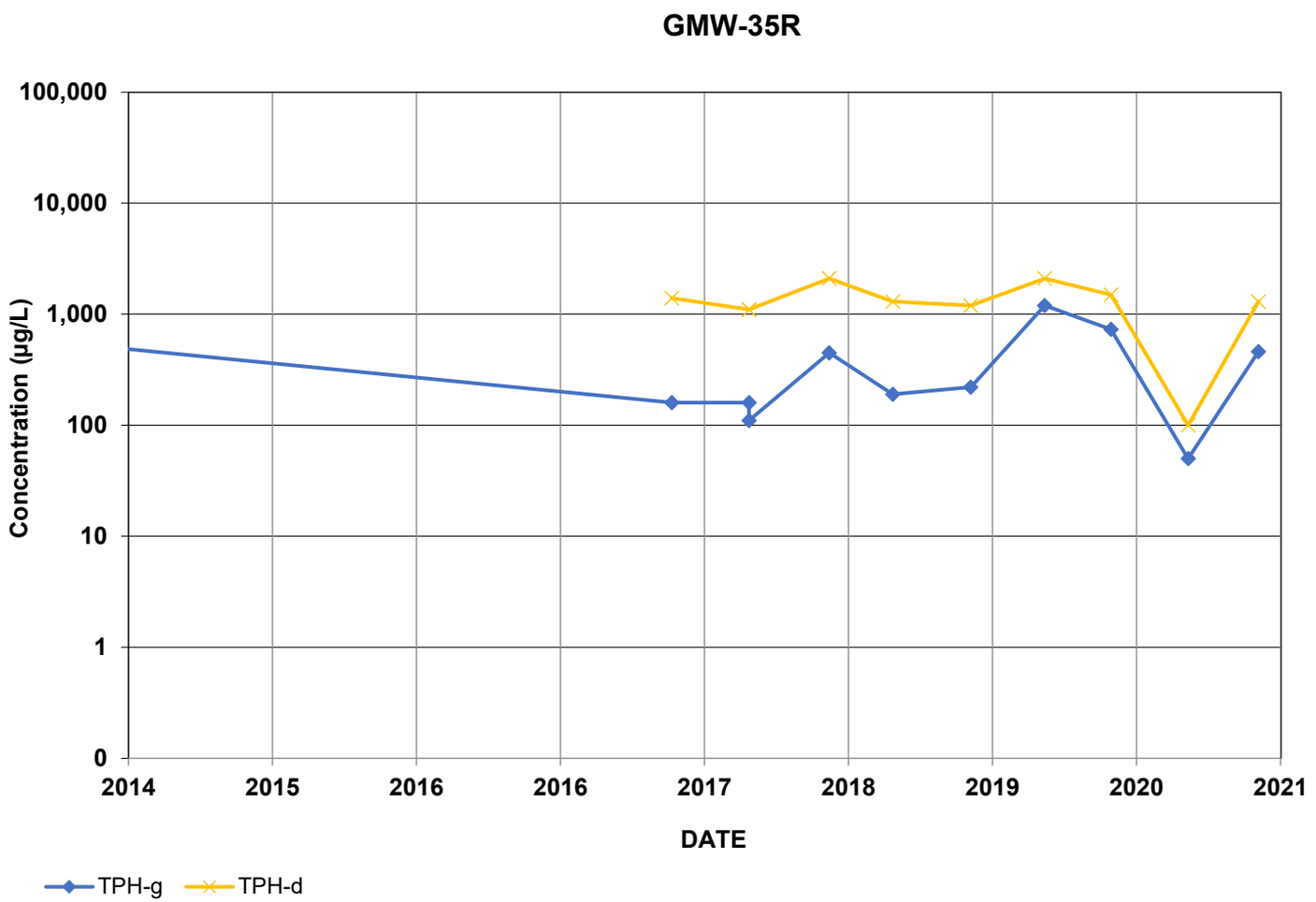
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix C)

Closest Biosparge Well: TFB-14 (74 feet)



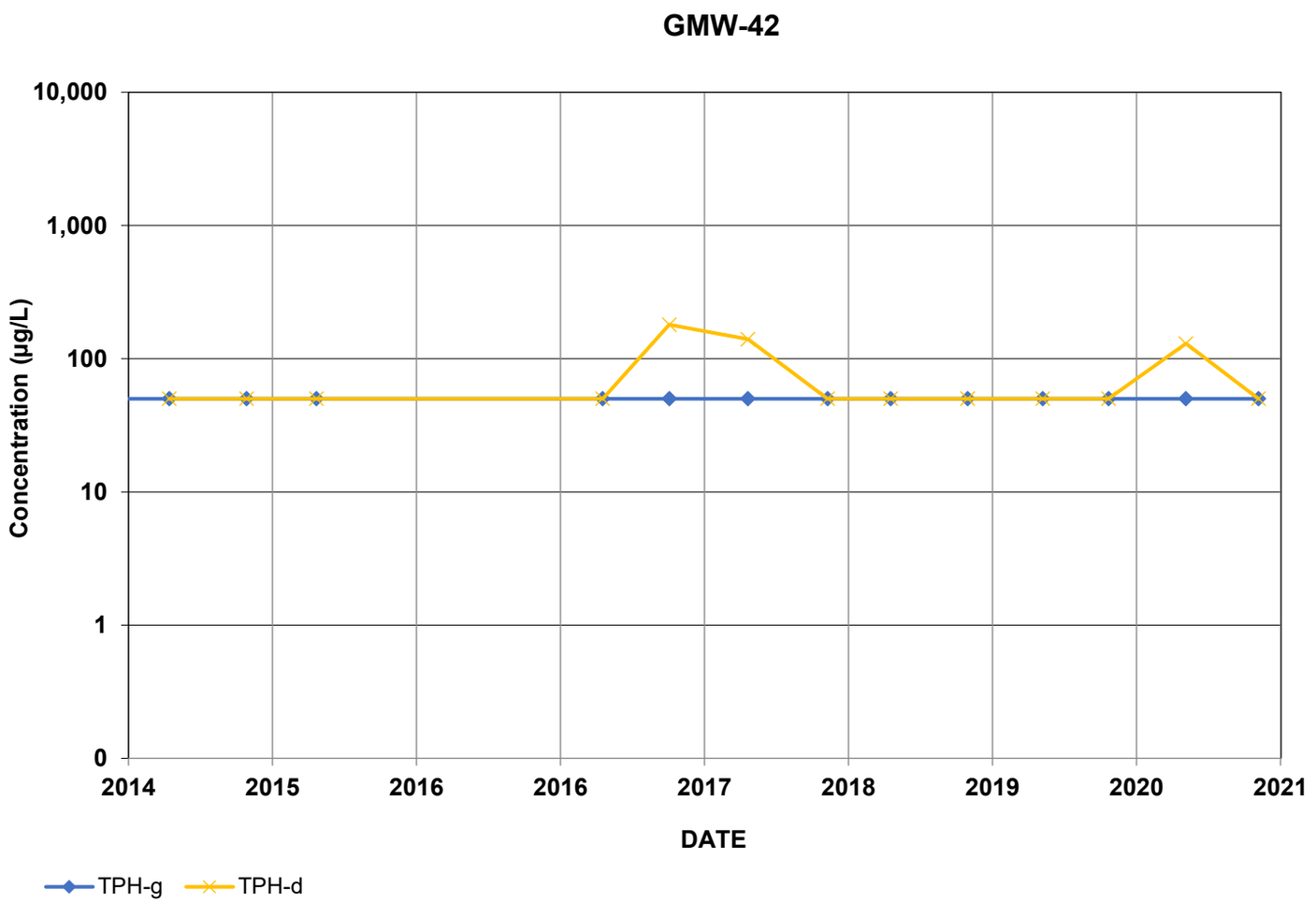
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix C)

Closest Biosparge Well: TFB-32 (31 feet)



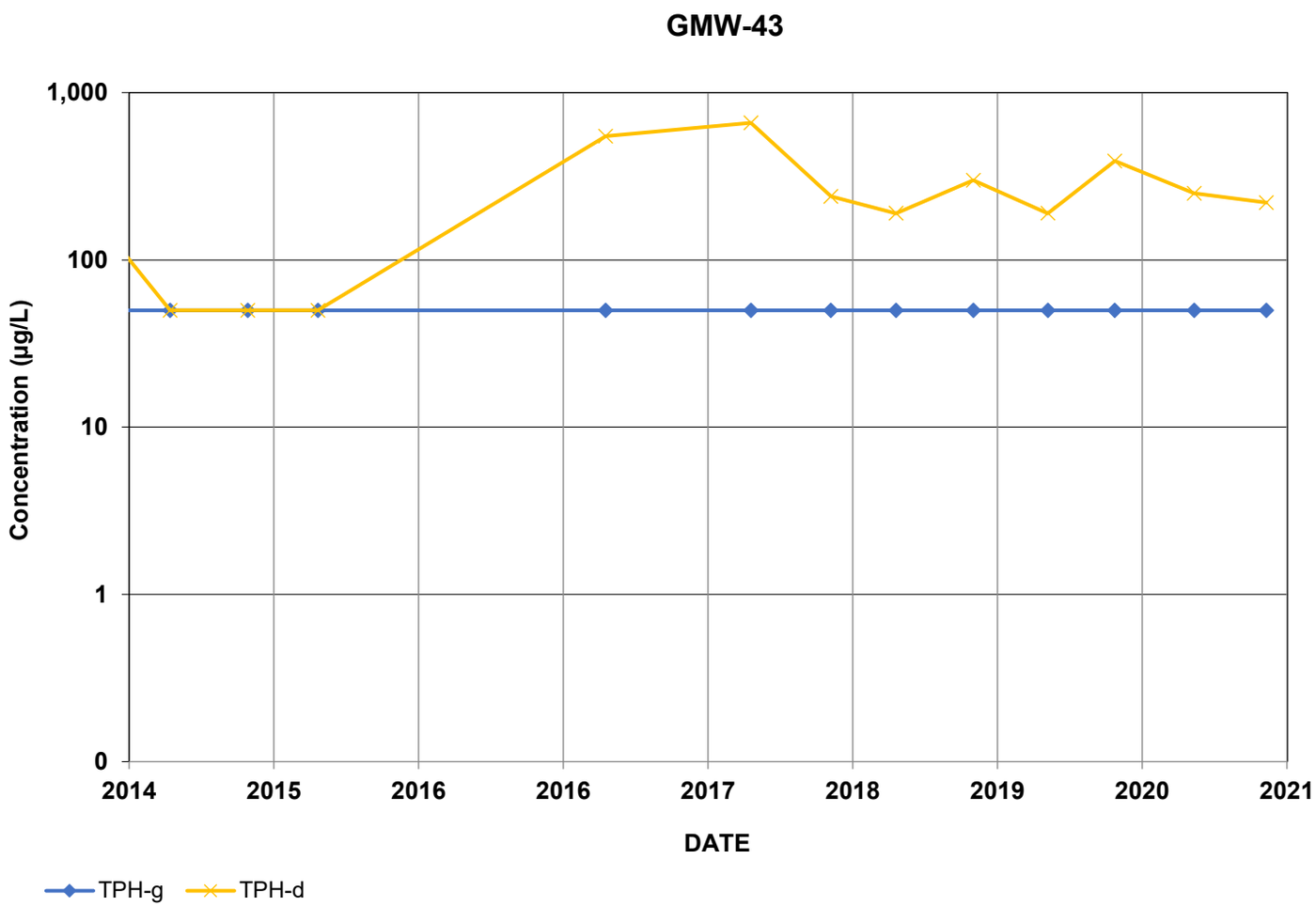
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix C)

Closest Biosparge Well: BSP-25 (22 feet)



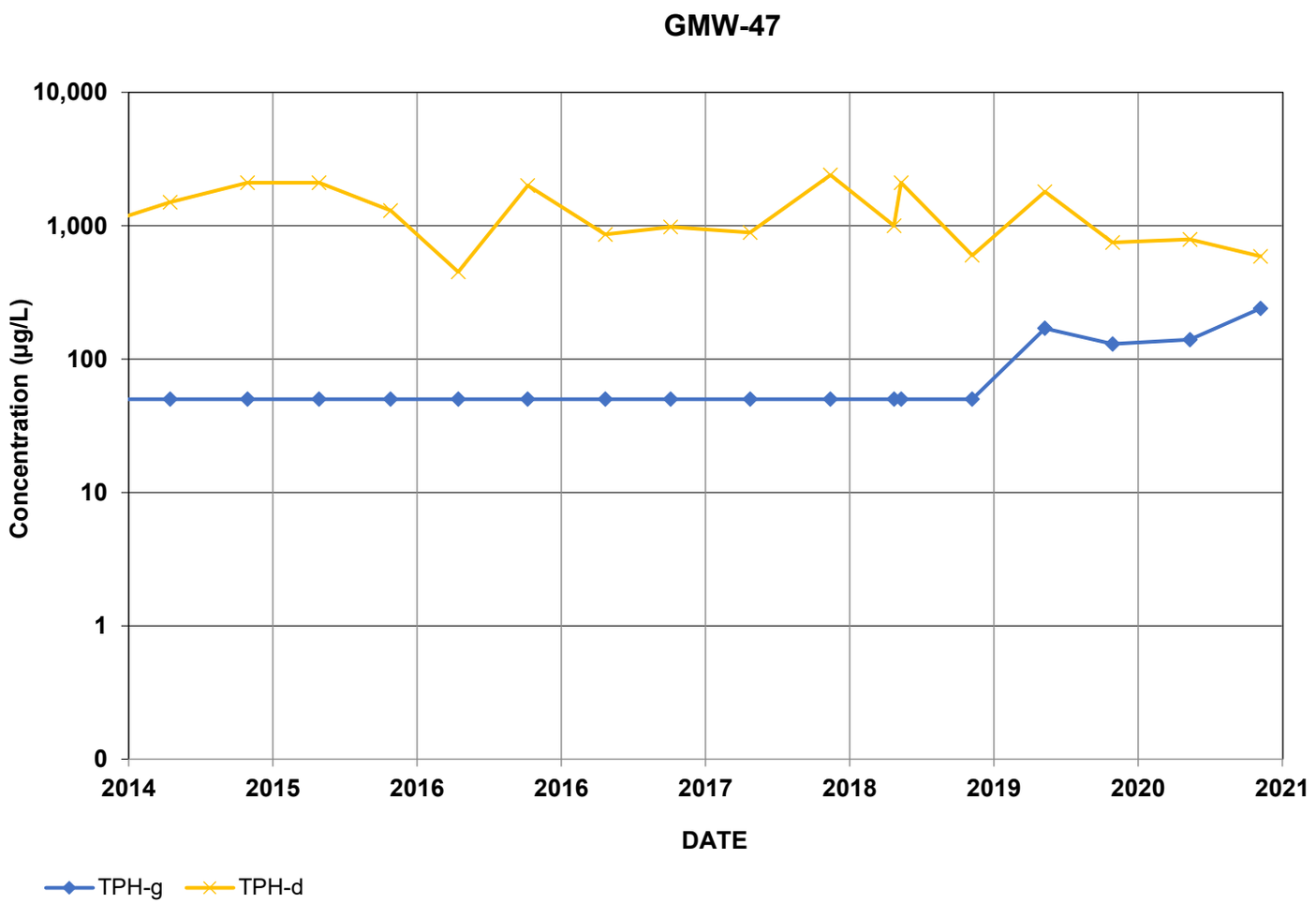
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix C)

Closest Biosparge Well: TFB-11 (35 feet)



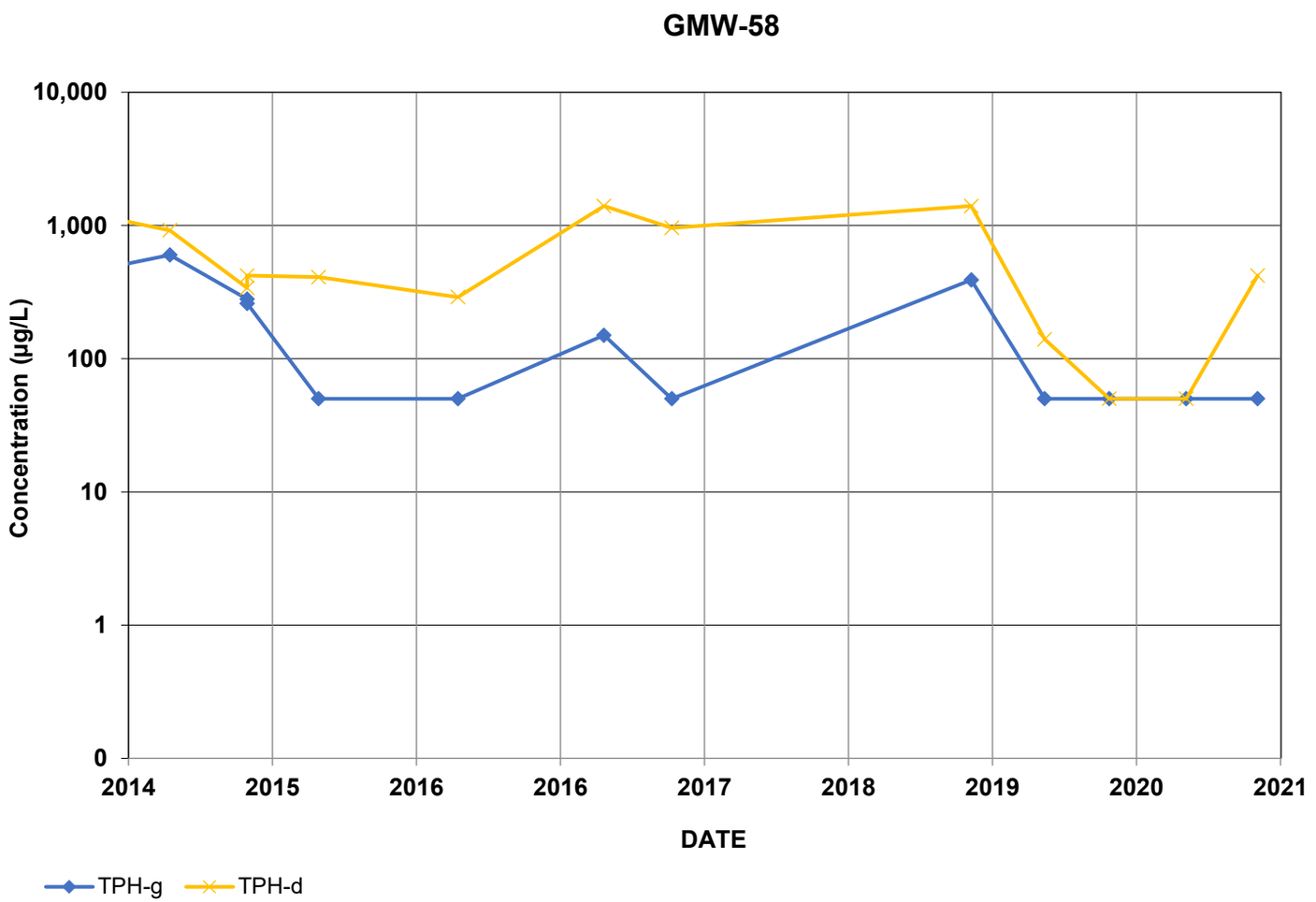
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix C)

Closest Biosparge Well: RW-1 (92 feet)



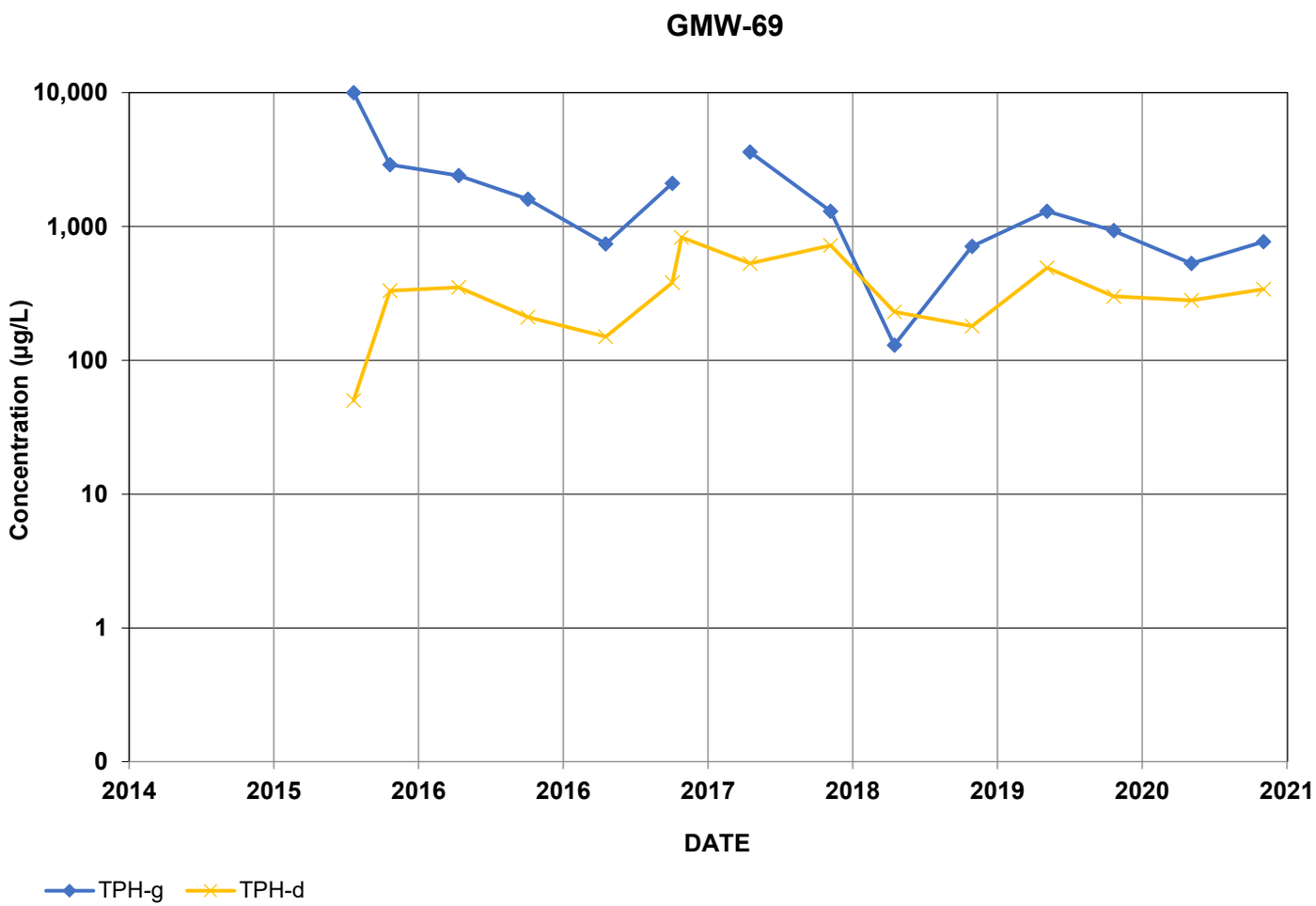
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix C)

Closest Biosparge Well: RW-8 (9 feet)



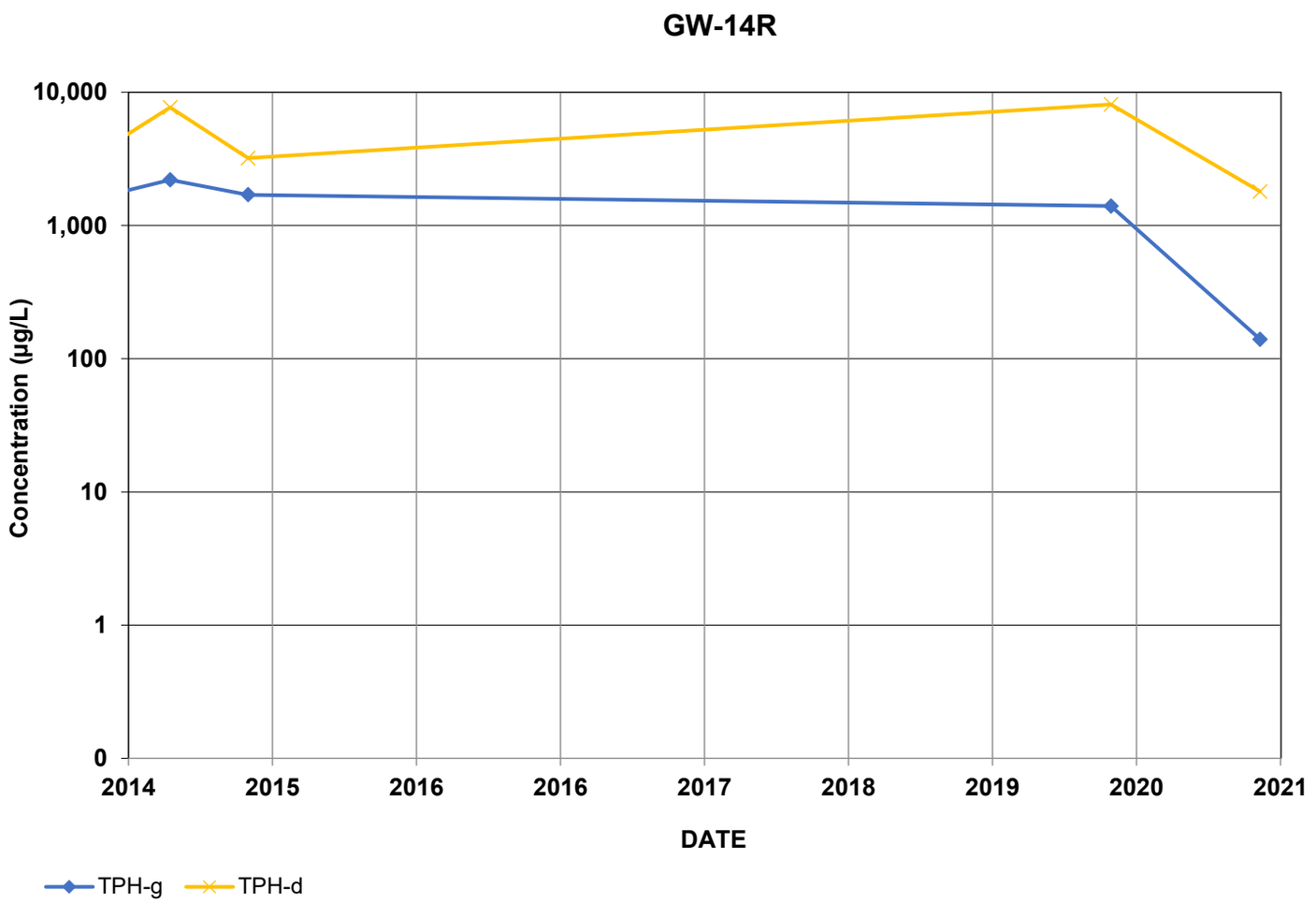
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix C)

Closest Biosparge Well: RW-18 (>50 feet)



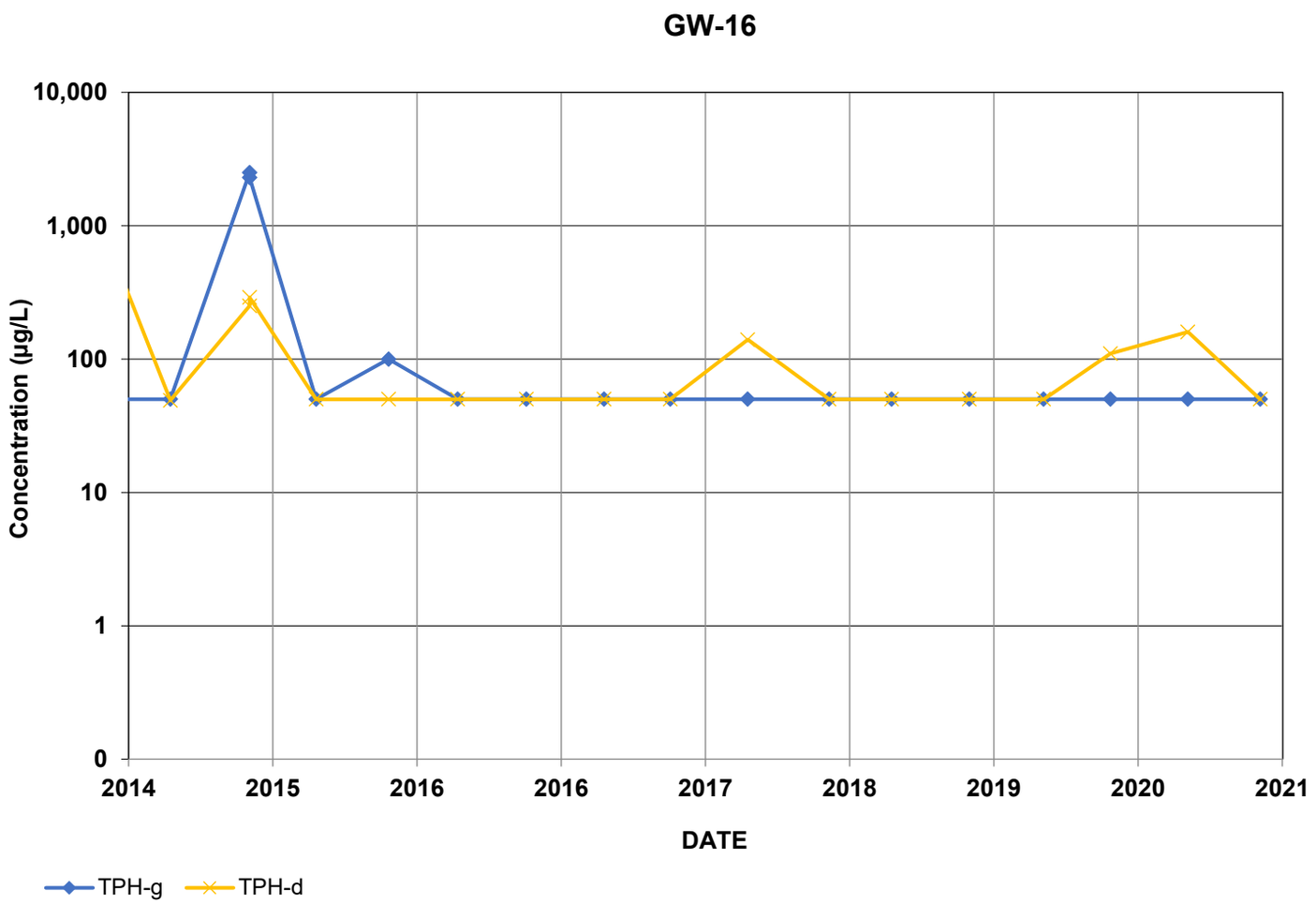
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix C)

Closest Biosparge Well: TFB-18 (35 feet)



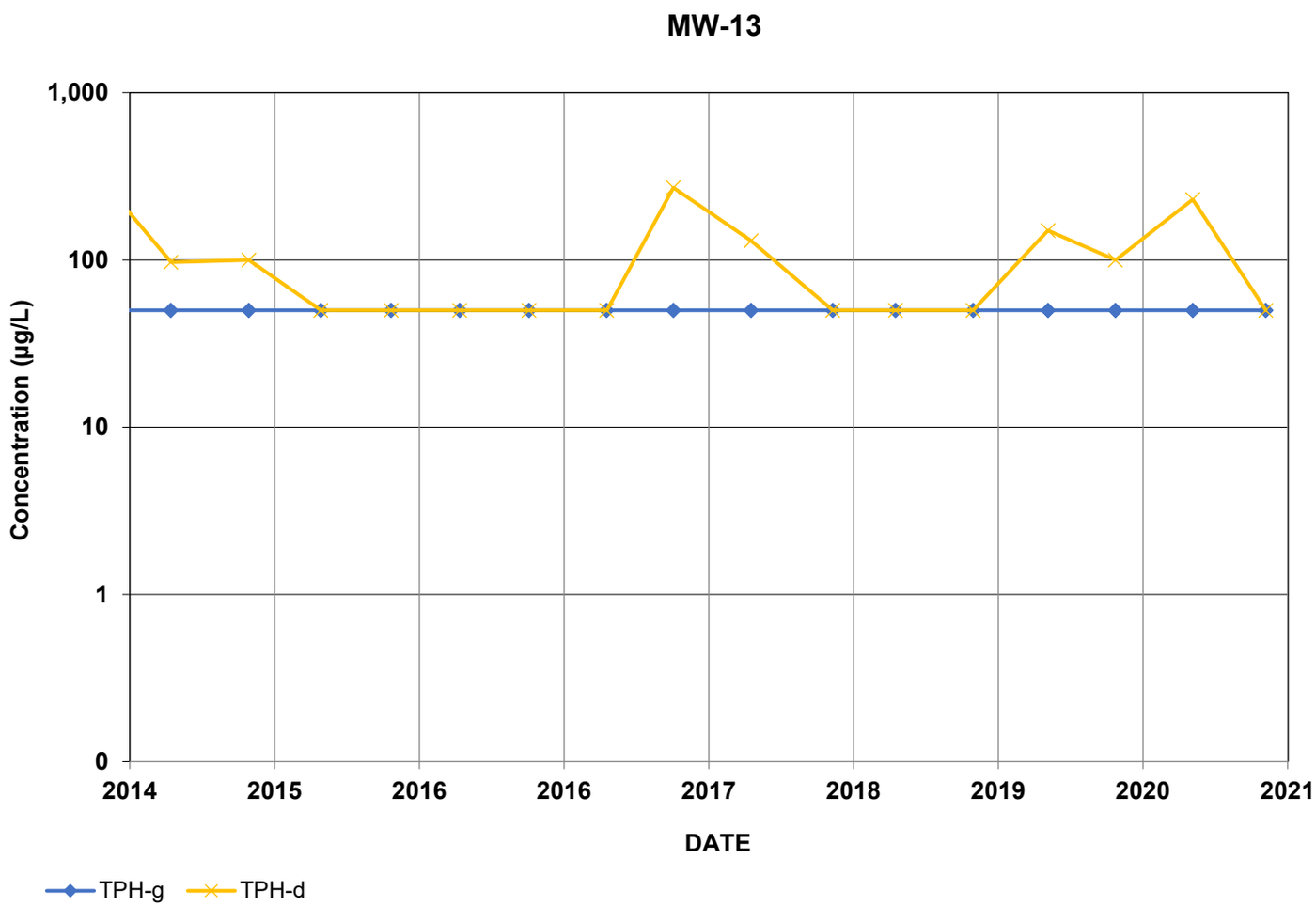
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix C)

Closest Biosparge Well: RW-16 (14 feet)



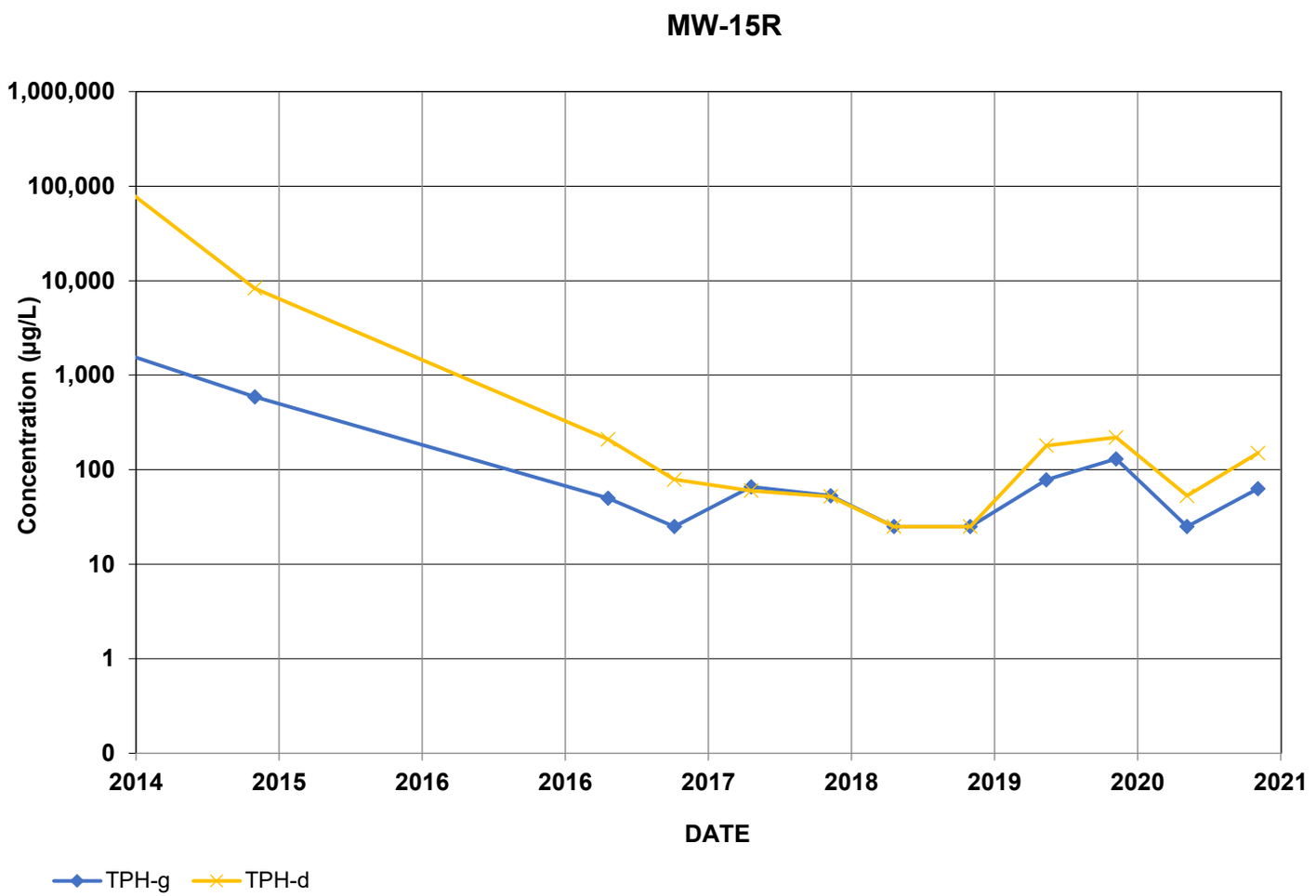
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix C)

Closest Biosparge Wells: RW-1 (151 feet)



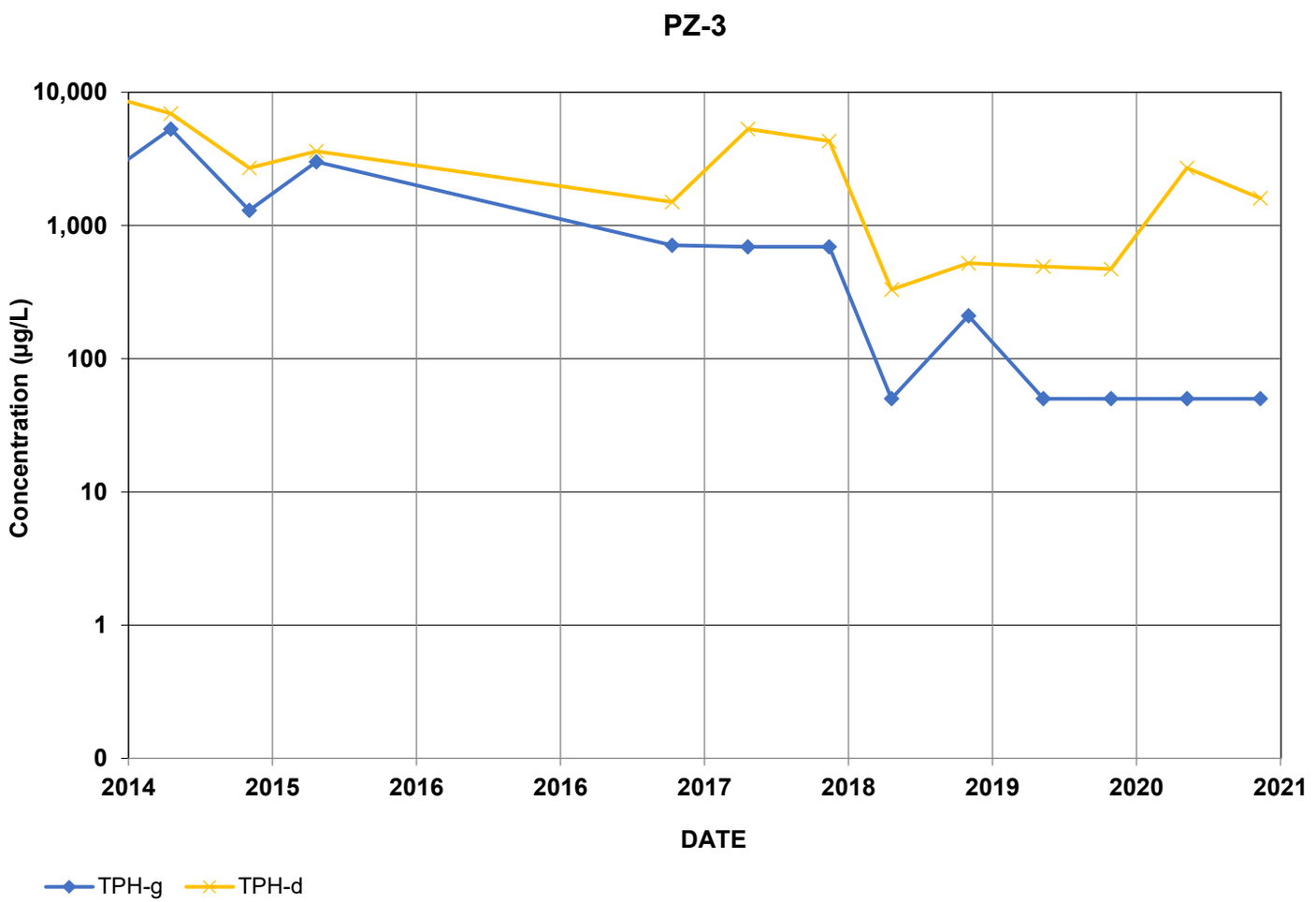
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix C)

Closest Biosparge Well: BSP-15 (18 feet)



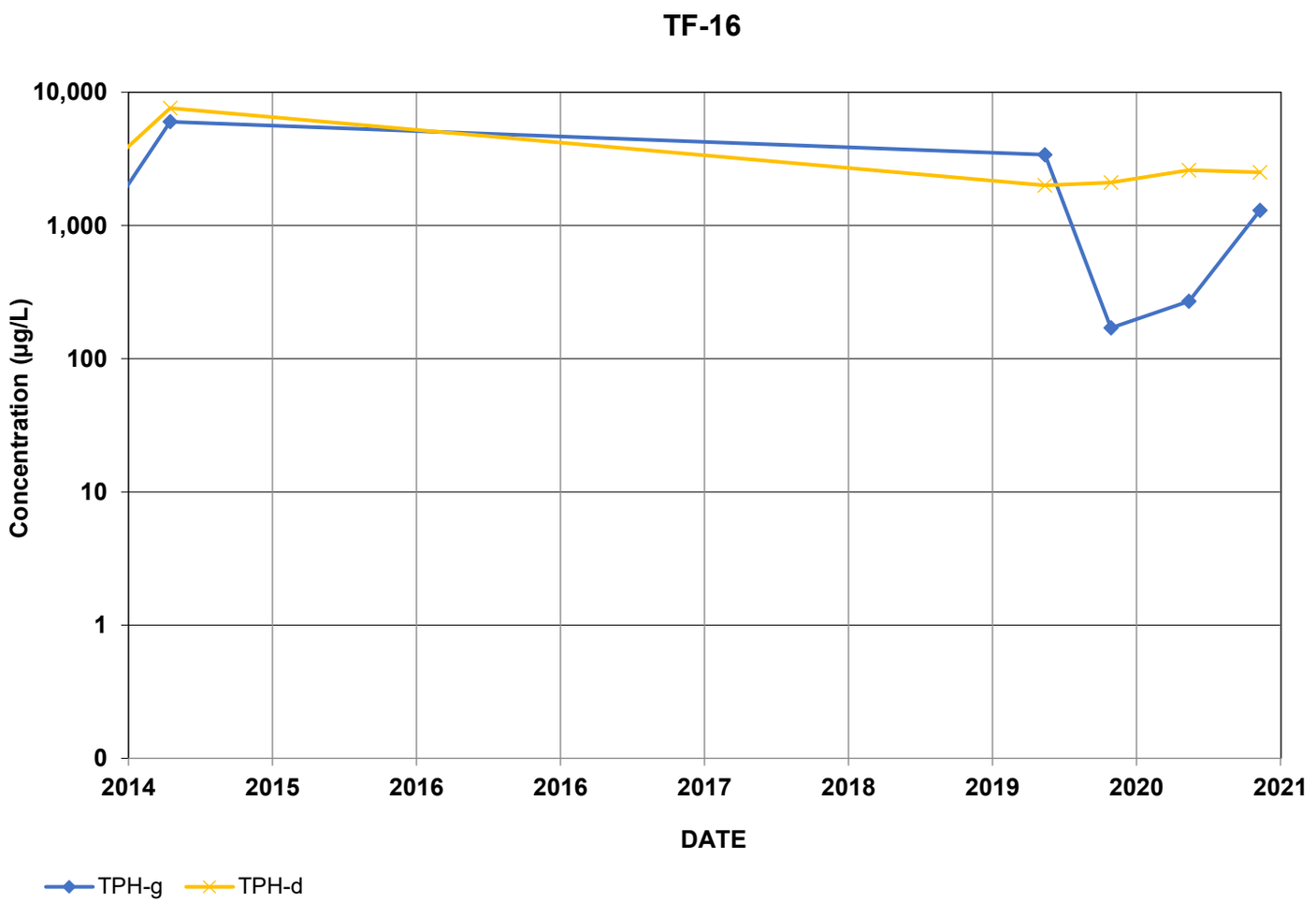
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix C)

Closest Biosparge Well: TFB-7 (26 feet)



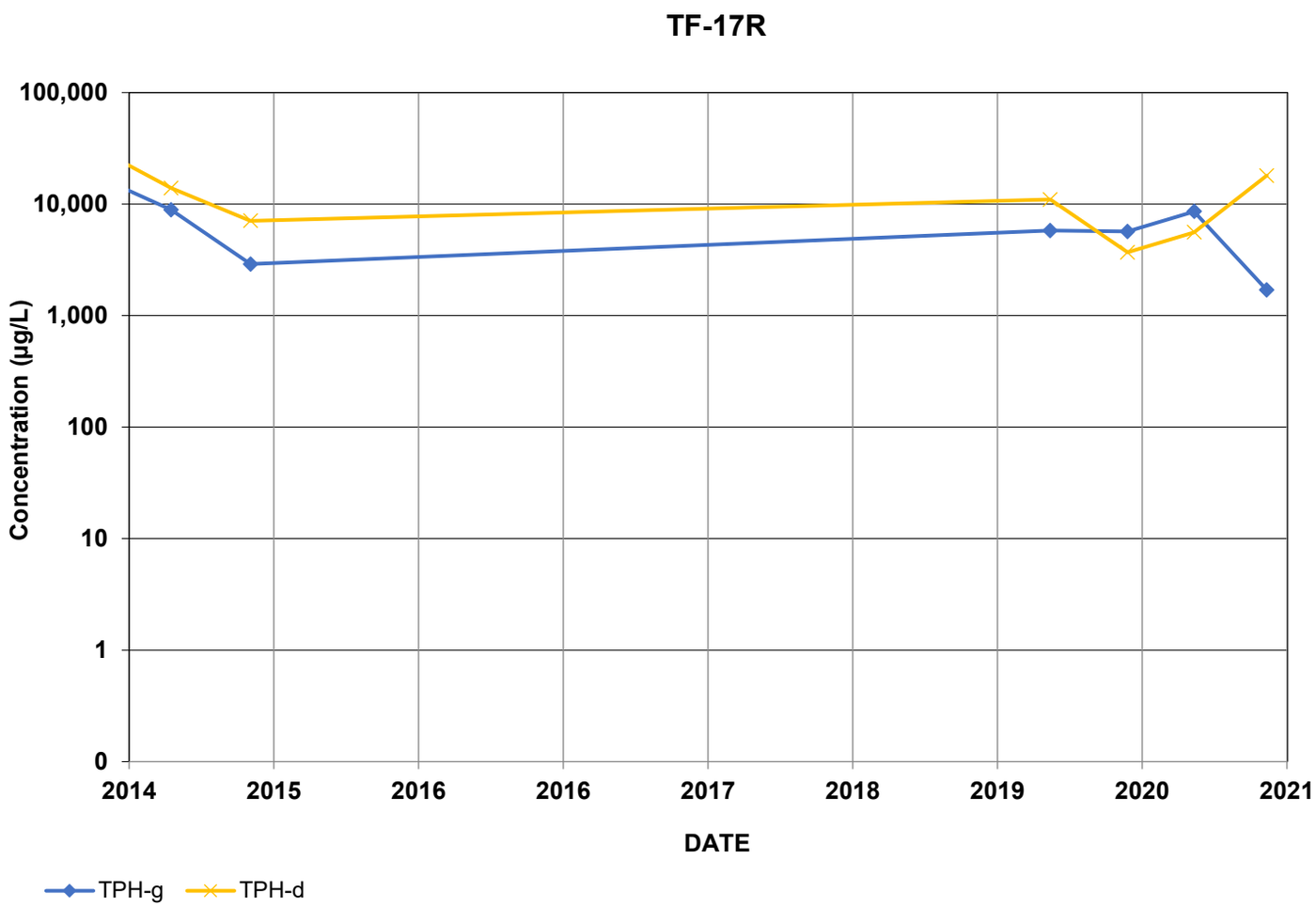
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix C)

Closest Biosparge Well: TFB-15 (35 feet)



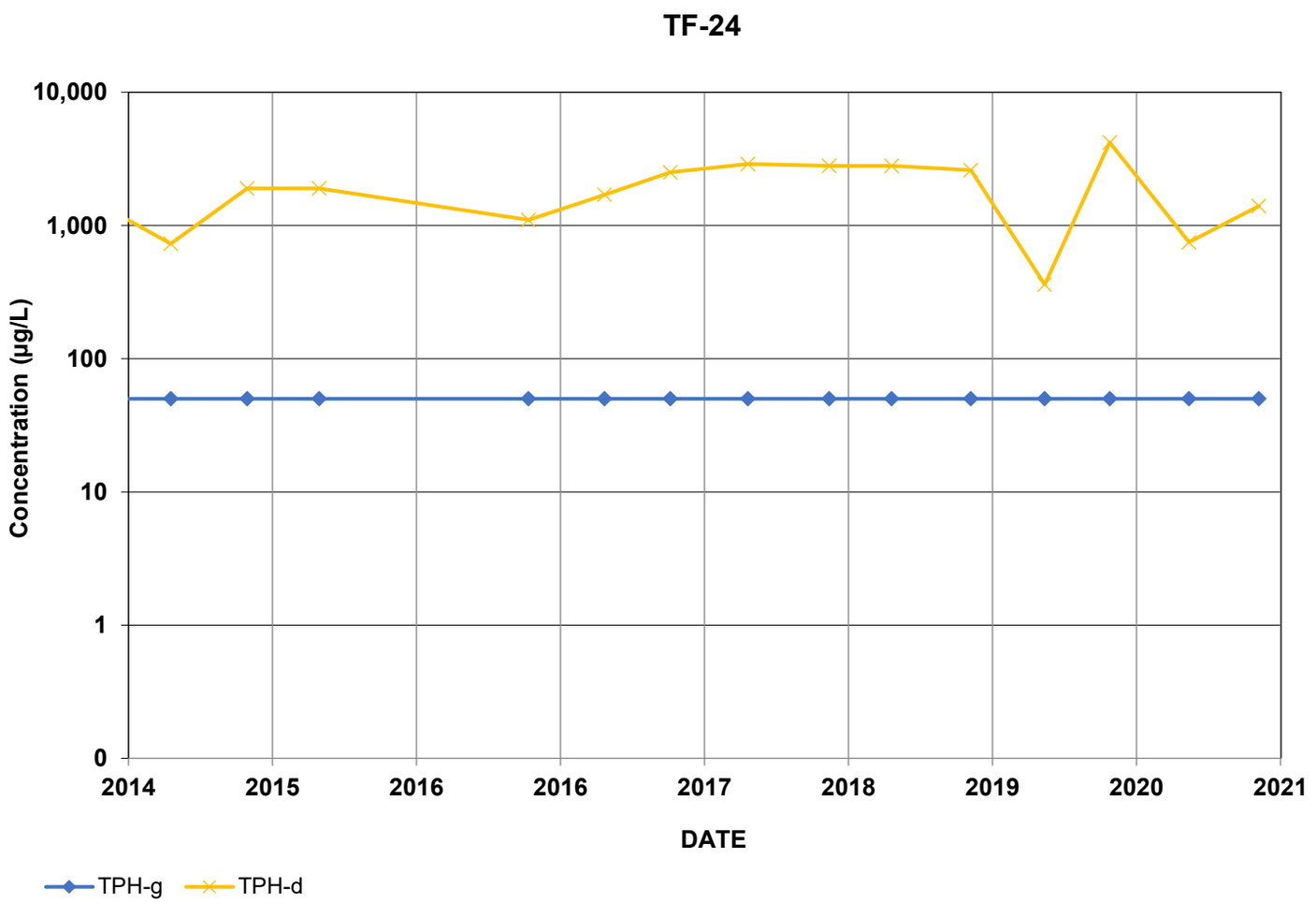
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix C)

Closest Biosparge Well: TFB-24 (44 feet)



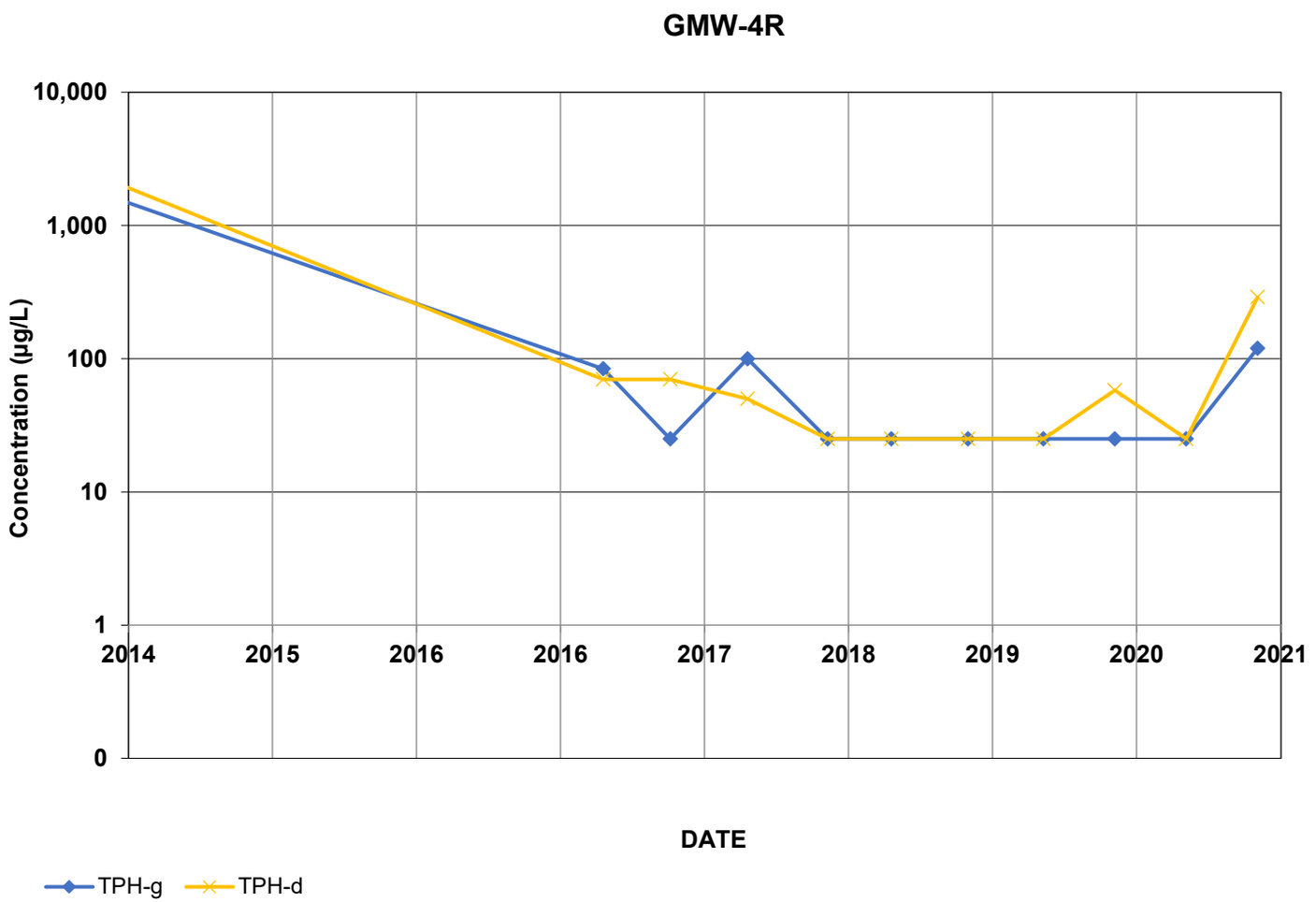
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix C)

Closest Biosparge Well: TFB-6 (35 feet)



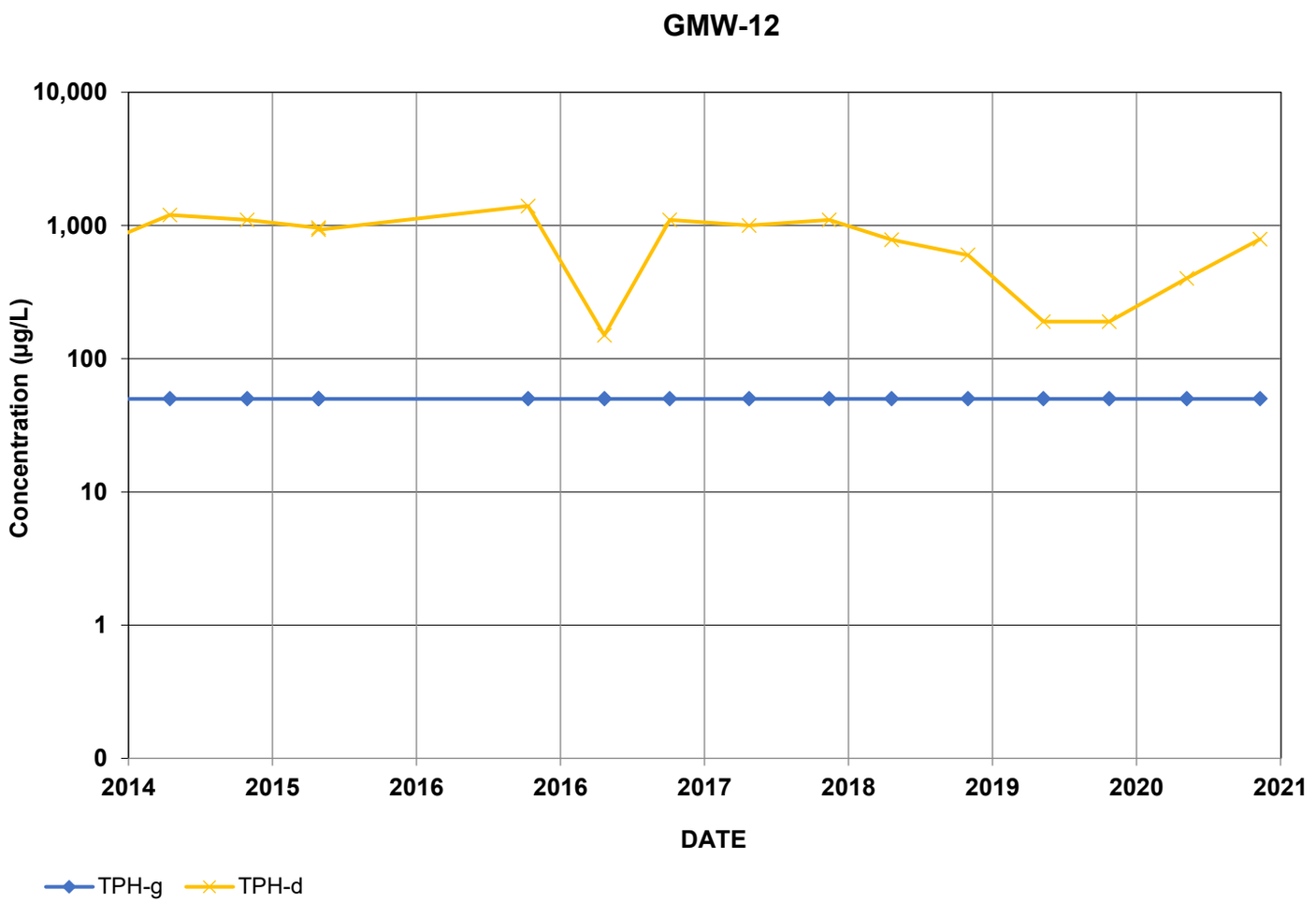
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix C)

Closest Biosparge Wells: BSP-19 (18 feet), RW-32 (40 feet)



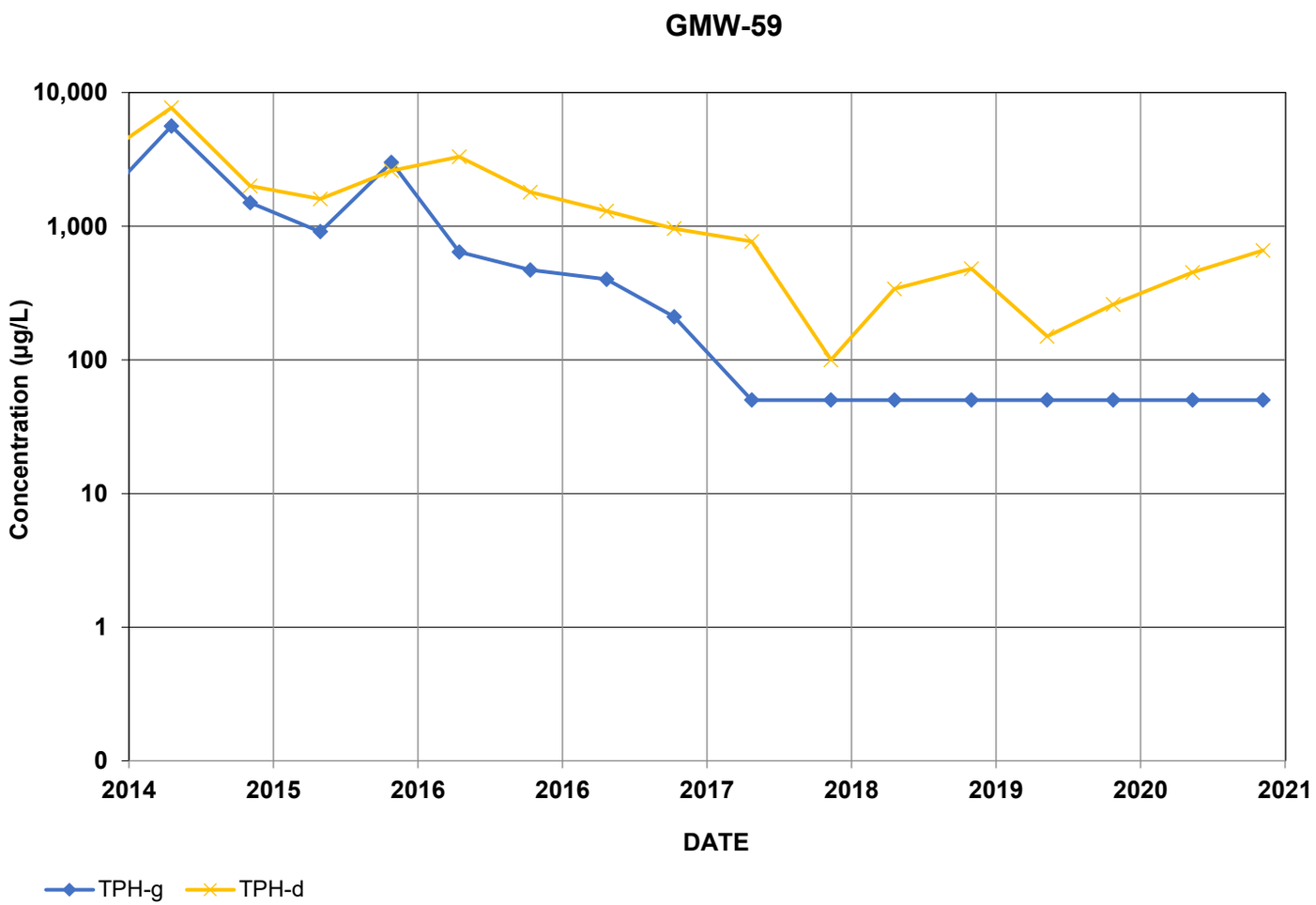
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix C)

Closest Biosparge Wells: RW-50 (105 feet), RW-37 (105 feet)



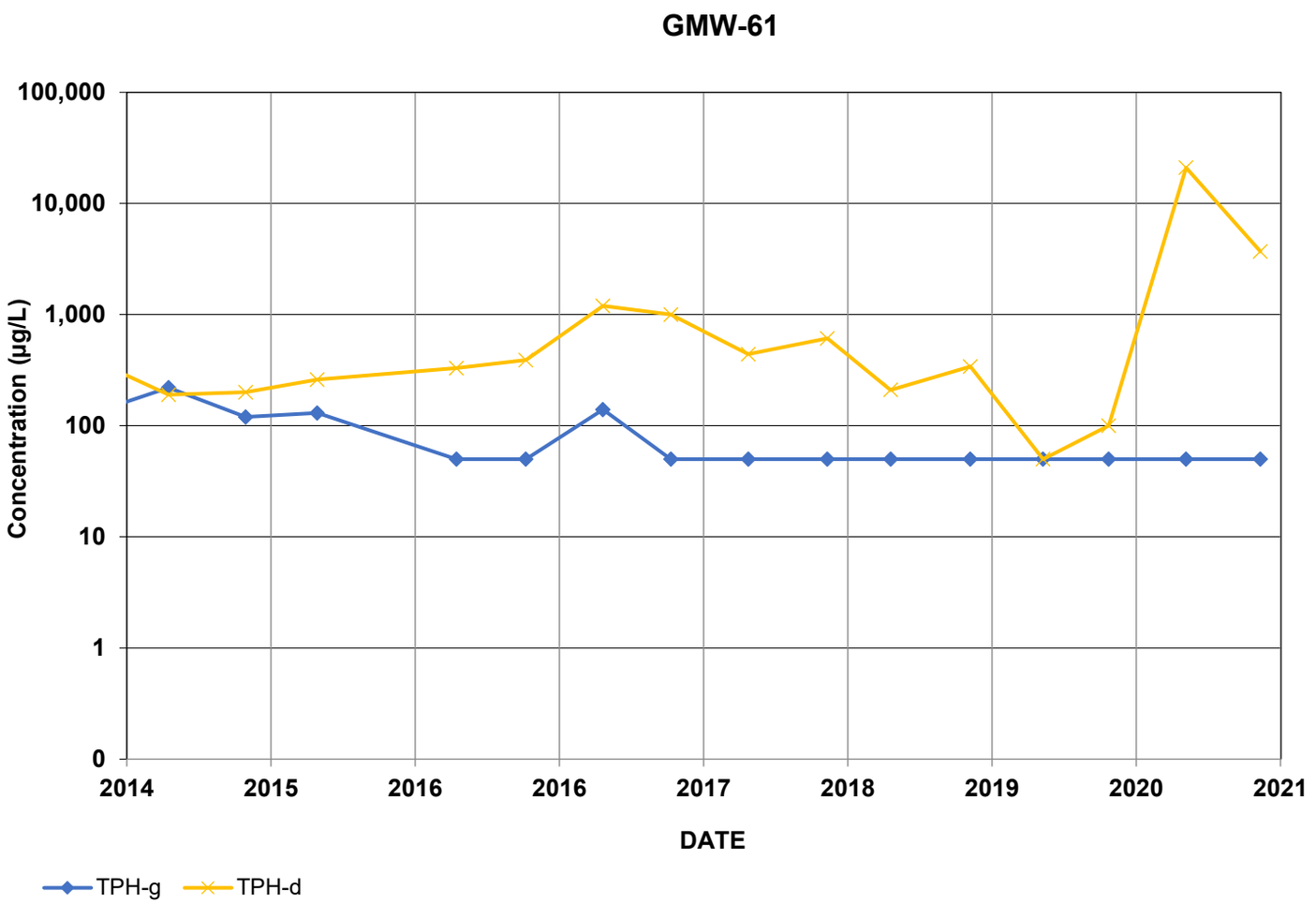
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix C)

Closest Biosparge Well: RW-10 (26 feet)



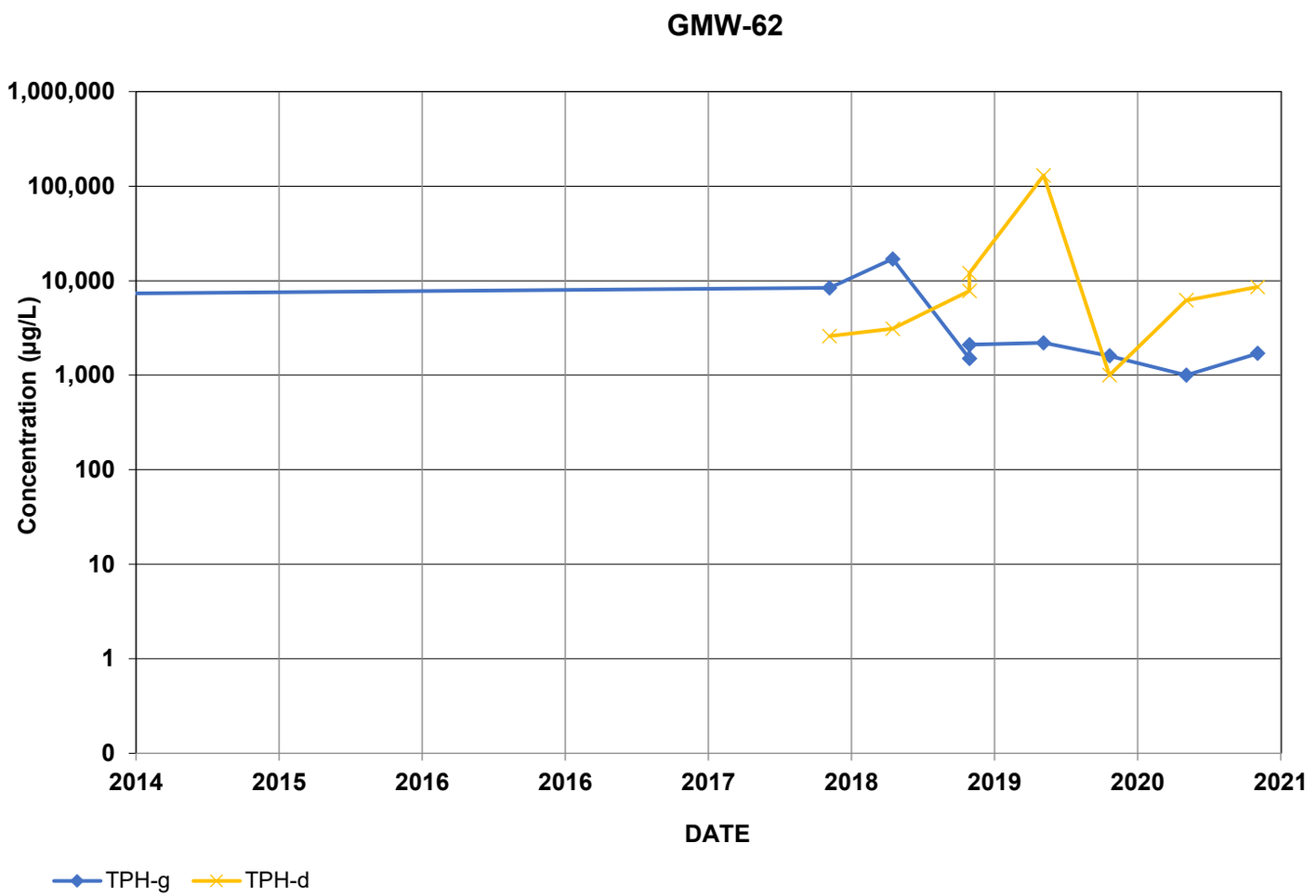
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix C)

Closest Biosparge Well: BSP-13 (18 feet)



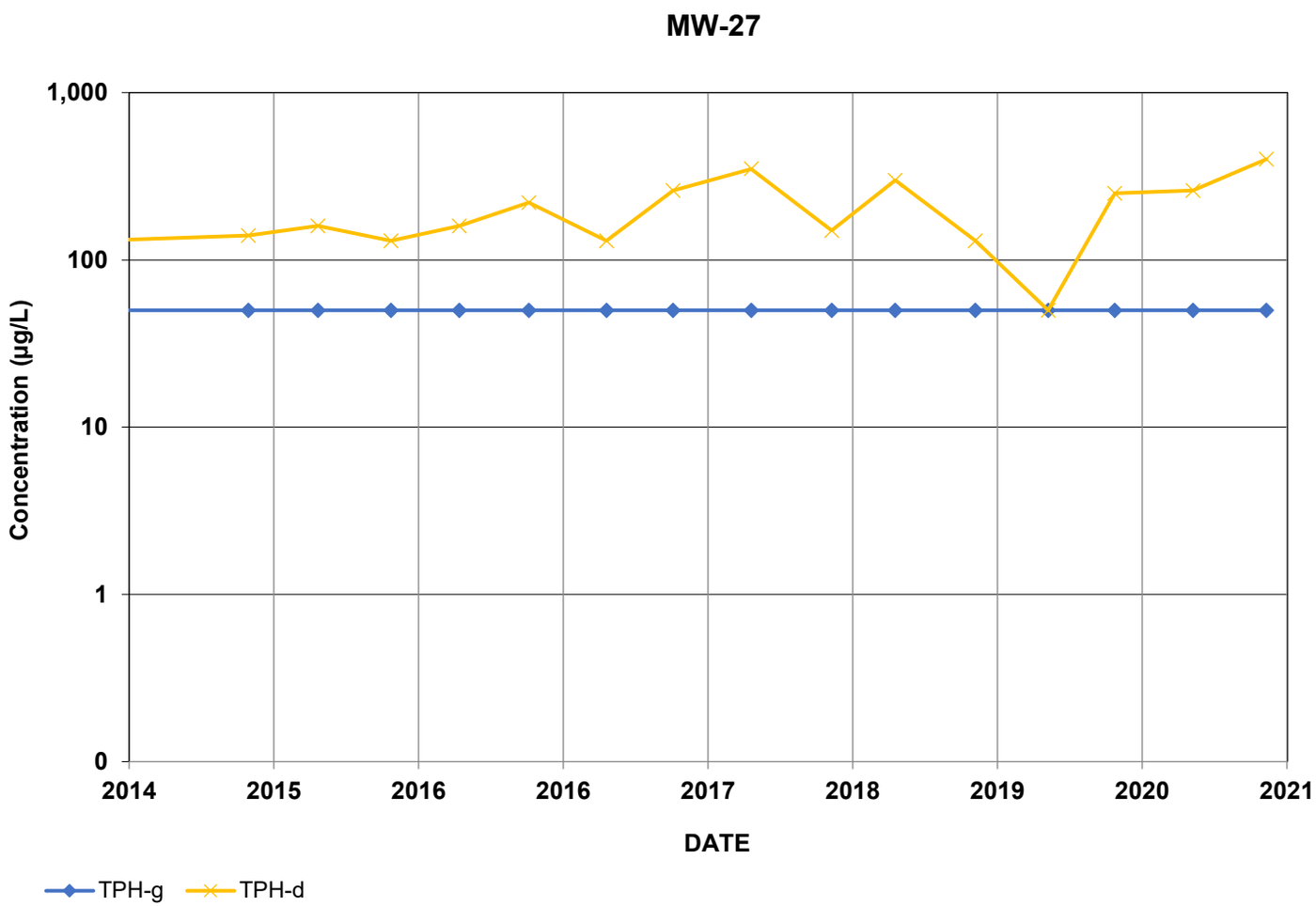
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix C)

Closest Biosparge Well: RW-18 (49 feet)



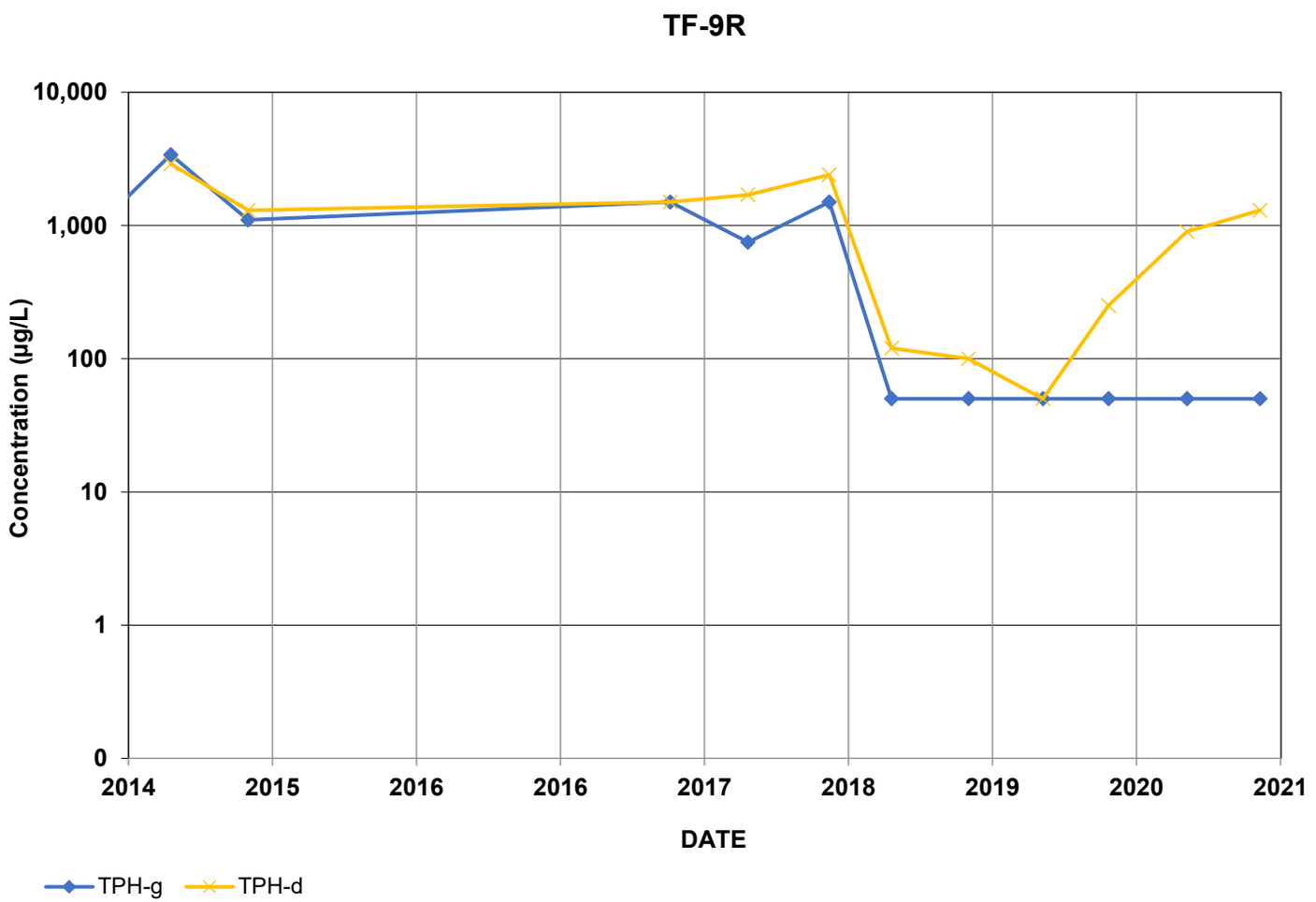
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix C)

Closest Biosparge Well: BSP-23 (52.5 feet)



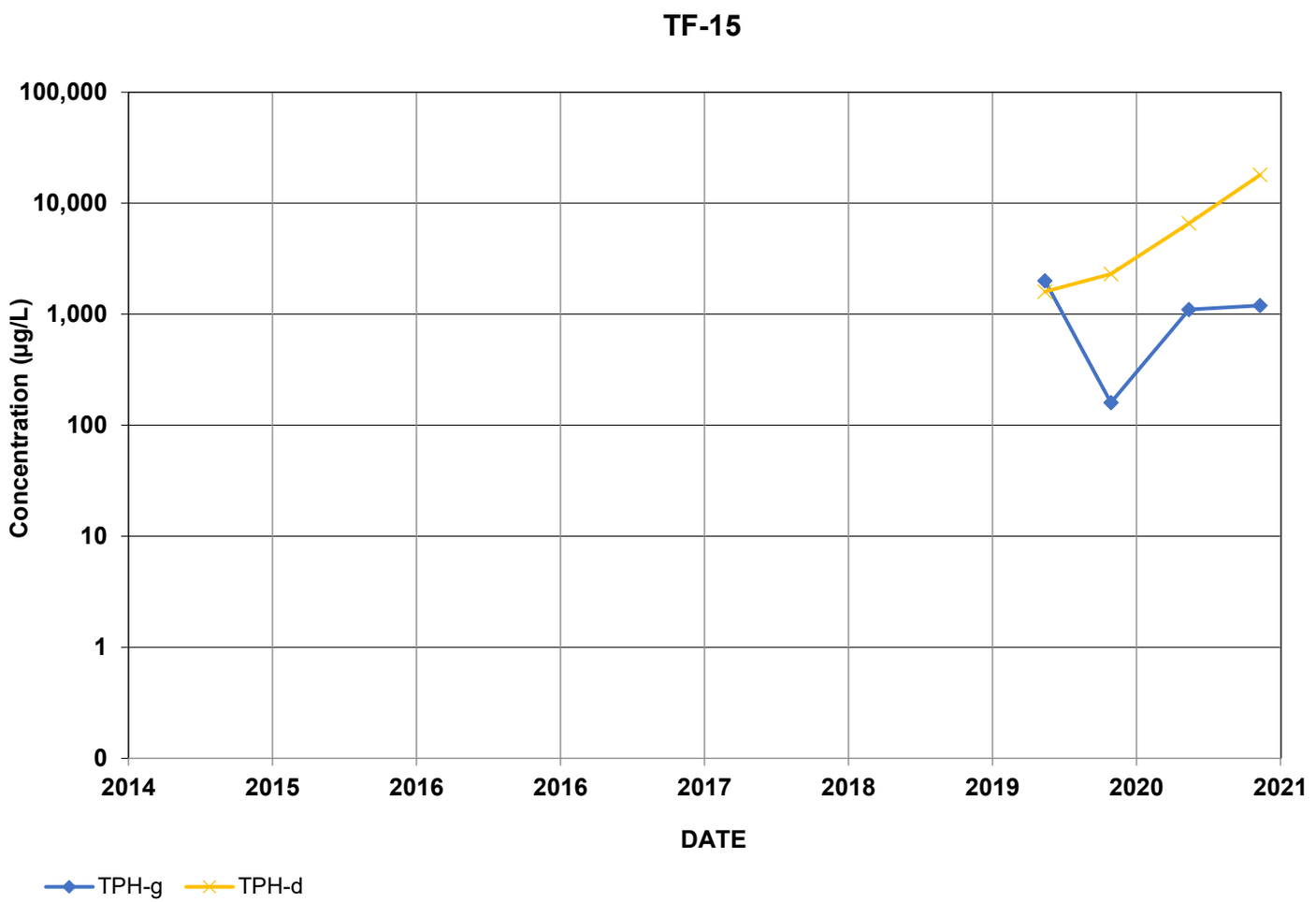
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix C)

Closest Biosparge Wells: BSP-23 (35 feet), BSP-21 (44 feet)



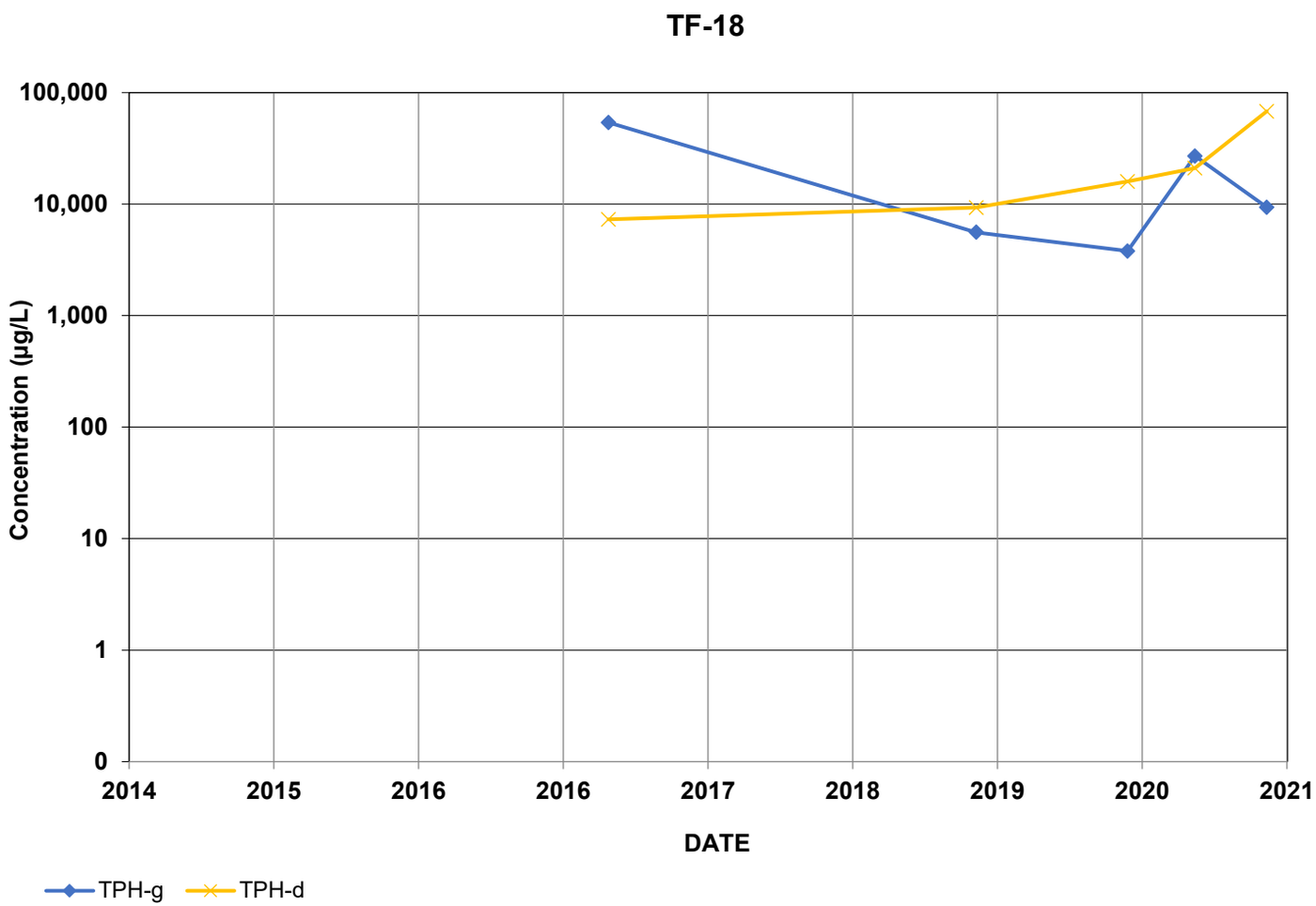
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix C)

Closest Biosparge Well: TFB-13 (35 feet)



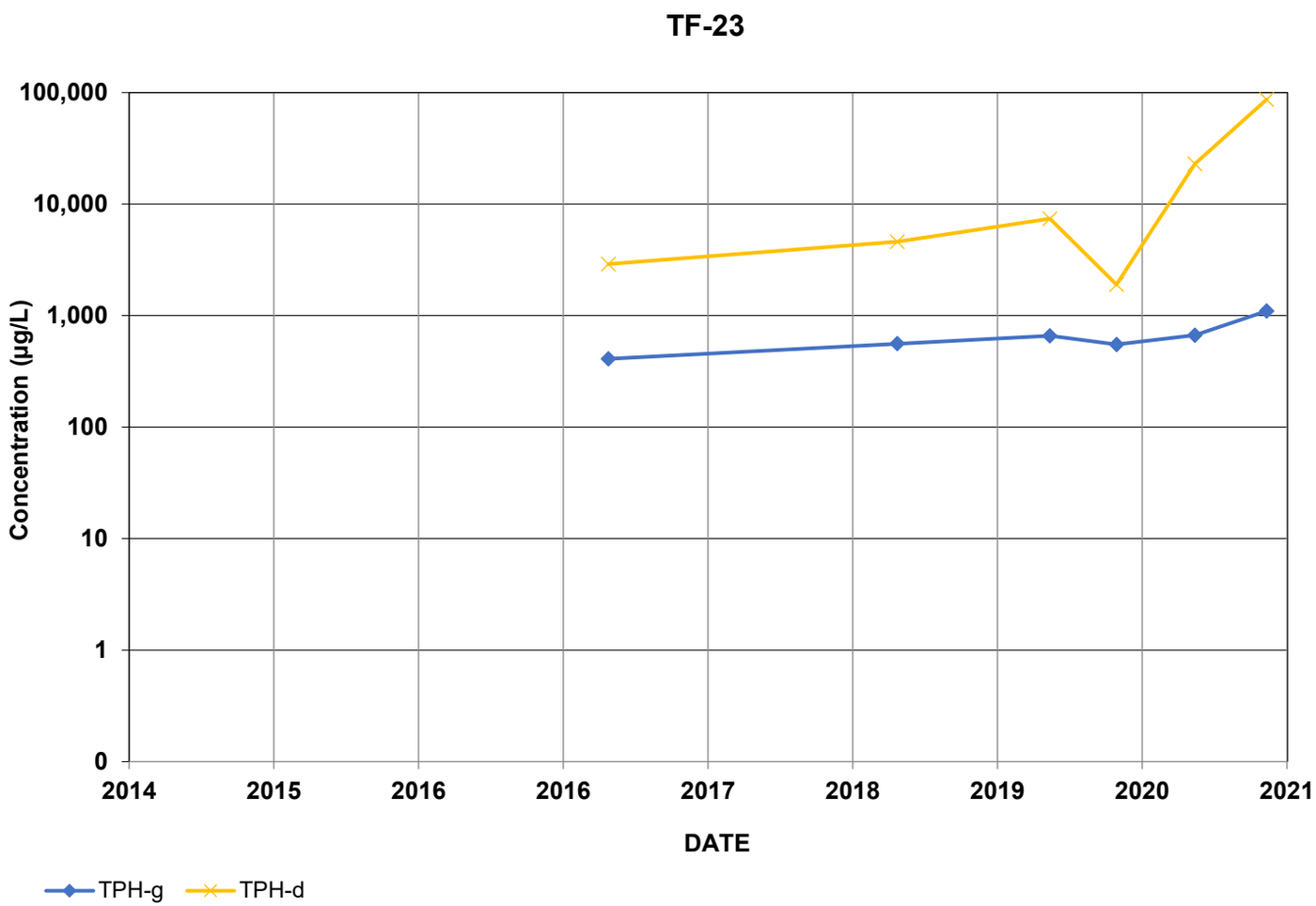
Non-detect results are plotted at the laboratory reporting limit (see table in Appendix C)

Closest Biosparge Well: TFB-23 (53 feet)



Non-detect results are plotted at the laboratory reporting limit (see table in Appendix C)

Closest Biosparge Well: TFB-21 (53 feet)



Non-detect results are plotted at the laboratory reporting limit (see table in Appendix C)