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Feburary 9, 2023

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 2022* for the 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 require additional information concerning this document, please contact me at (571) 767-9813 or carol.devier-heeney@dla.mil.

Sincerely,

DEVIERHEENEY.CAROL.L.1145292715 Digitally signed by DEVIERHEENEY.CAROL.L.1145292715 Date: 2023.02.09 09:54:22 -05'00'

Carol Devier-Heeney
Environmental Protection Specialist
Restoration Section

Enclosure
As stated

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

REMEDIATION STATUS REPORT – FOURTH QUARTER 2022

DEFENSE FUEL SUPPORT POINT NORWALK
15306 Norwalk Boulevard
Norwalk, California

SGI Project No. 091-NDLA-018
DLA Contract No. SPE603-20-D-5008, CLIN 002

Prepared For:

Defense Logistics Agency - Energy
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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
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
RWQCB	California Regional Water Quality Control Board, Los Angeles Region
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 2022 – October 1, 2022 through December 31, 2022) 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 (RWQCB) 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 on 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, a Bayoxide vessel for arsenic removal (added on June 22, 2022 [B-1]), 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 during the Third Quarter 2021. GAC-3 was placed in standby position and GAC-4 is no longer operable. 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.

During this reporting period, a temperature survey event was conducted to estimate source zone degradation rates under active remediation as part of ongoing evaluation of remedial performance, and in anticipation of a natural source zone depletion (NSZD) assessment to be performed in the near future. A summary of the findings will be reported in a separate submittal.

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 influence testing was performed during the Fourth Quarter 2021 and is summarized in SGI-Apex's February 11, 2022 *Remediation Status Report – Fourth Quarter 2021*.

Subsequently, biosparge system optimization was performed during the Fourth Quarter 2021. During the Second Quarter 2022, biosparge trunkline cycles were further adjusted at the control panel to alternate between eight groups rather than four, increasing pressure and flow to each well. Follow up monitoring is 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.

During this reporting period, drilling efforts began in the Eastern 15-acre parcel and Hollifield Park to install additional horizontal treatment (vapor extraction and biosparge) wells. These additional wells are intended to target the remaining high concentration impacted areas in preparation for land development by the City of Norwalk. A summary of well installation and associated system expansion will be provided in a separate submittal.

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 in March 2019, shortly after the temporary VES was shut down. 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 measurable liquid-phase hydrocarbons during the first semiannual 2022 monitoring event is presented on 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 RWQCB 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 RWQCB 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 RWQCB 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. During this reporting period, all three pumping GWE wells regularly underwent in-well chemical treatment due to the presence of naturally occurring orange sludge bacteria, which if left untreated plugs up the pumps and discharge lines, and decreases GWE well flow rates. 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. Carbon VES analytical samples were not collected in October due to system shutdown on October 18th, 2022 for system maintenance and repair. The Carbon VES was restarted in November following the repair work, and monthly sampling resumed. 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 1,500 micrograms per liter (µg/L), 1.3 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 in 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. All product is placed in an AST located within the existing treatment compound. Mass and volume removal estimates using these techniques are summarized in Tables 7A, 7B, 7O and 7R along with associated LNAPL gauging results.

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. No product was transported during this reporting period. 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 based on 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 9,958 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 6,976 pounds (222 pounds via the carbon VES and 6,754 pounds via the thermal oxidizer VES). An estimated 2,988,355 pounds have been removed since April 1996 (Table 3C) via the carbon VES and approximately 369,458 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, TFR-24, TFR-29 and RTF-18-E (Tables 7A, 7B, 7N, 7O, 7P and 7R).

A total of approximately 6 gallons (39 pounds) of LNAPL was removed from the Site during this quarter, and an estimated 10,520 gallons (71,075 pounds) of LNAPL has been removed since January 2014.

3.4.1 LNAPL Removal Via Bailing, Skimming and Absorbent Socks

Approximately 2 gallons (12 pounds) of LNAPL was removed via manual bailing, active pumping using a portable product skimmer and/or by utilizing absorbent socks from wells GMW-68, TFR-24 and RTF-18-E during this reporting period (Table 7B, 7O and 7R).

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. Based on low LNAPL yields, TFR-29 was offline during this reporting period. If LNAPL thicknesses increase, pumping may resume from these wells during the next reporting period.

Approximately 4 gallons (27 pounds) of LNAPL was pumped from well TFR-22 during this reporting period (Table 7N).

LNAPL gauging results along with cumulative mass and volume removal estimates are summarized in Tables 7E through 7W.

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, 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. Due to a decline in measurable LNAPL, pumping in TFR-29 has temporarily ceased to allow LNAPL recovery. Currently, well TFR-22 is the only active LNAPL pumping well.

Up-to-date gauging data will continue to be collected during the next reporting period with rotating recovery operations being implemented based on 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. 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.

5.0 PLANNED FIRST QUARTER 2023 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 2023 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) 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 of well TFR-22 and, if sufficient LNAPL yield is observed, resume operation of TFR-29.
- 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.

- Continue work to install additional horizontal treatment wells (vapor extraction and biosparge) in the Eastern 15-acre parcel and Holifield Park, as discussed in section 1.2.3.
- Collect additional temperature monitoring data from a reduced set of wells, focusing on the wells within the vicinity of the "hot-spots" targeted by the proposed system expansion. This data will be used, along with the continuous temperature monitoring data, to evaluate remedial effectiveness of the proposed system expansion.
- Evaluate biosparge trunkline cycling configuration and make adjustments as needed to optimize air delivery to treatment wells located in previously identified "hot-spot" areas.
- Periodically measure pressure in nearby monitoring wells during biosparging operations to verify influence.

Ongoing remediation activities and progress will be described in the *First Quarter 23 Remediation Progress Report* to be submitted by May 15, 2023.

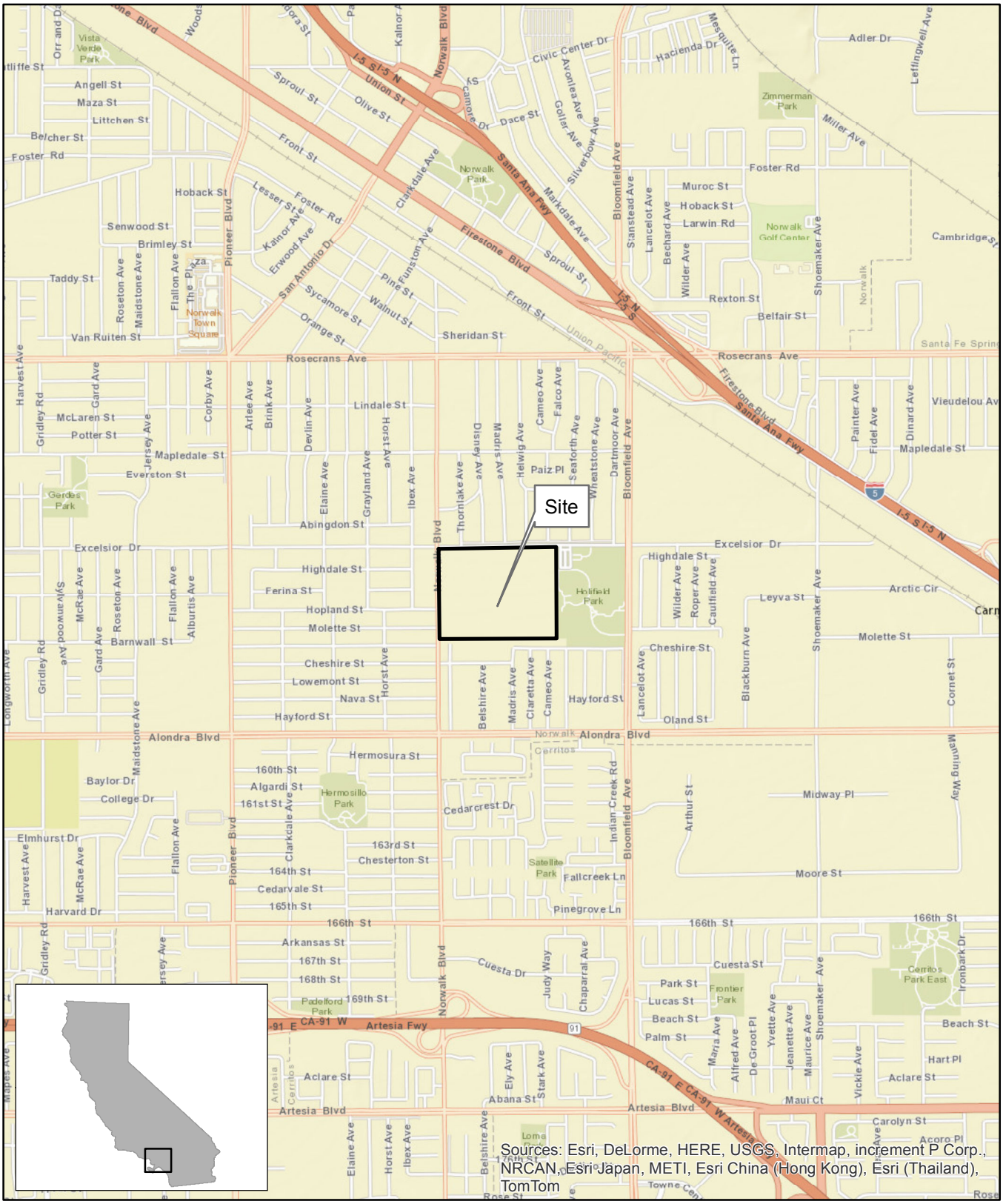
6.0 LIMITATIONS

This document was prepared for the exclusive use of the DLA and the RWQCB for the express purpose of complying with a client or regulatory directive for environmental investigation or restoration. 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 RWQCB 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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(562) 597-1055

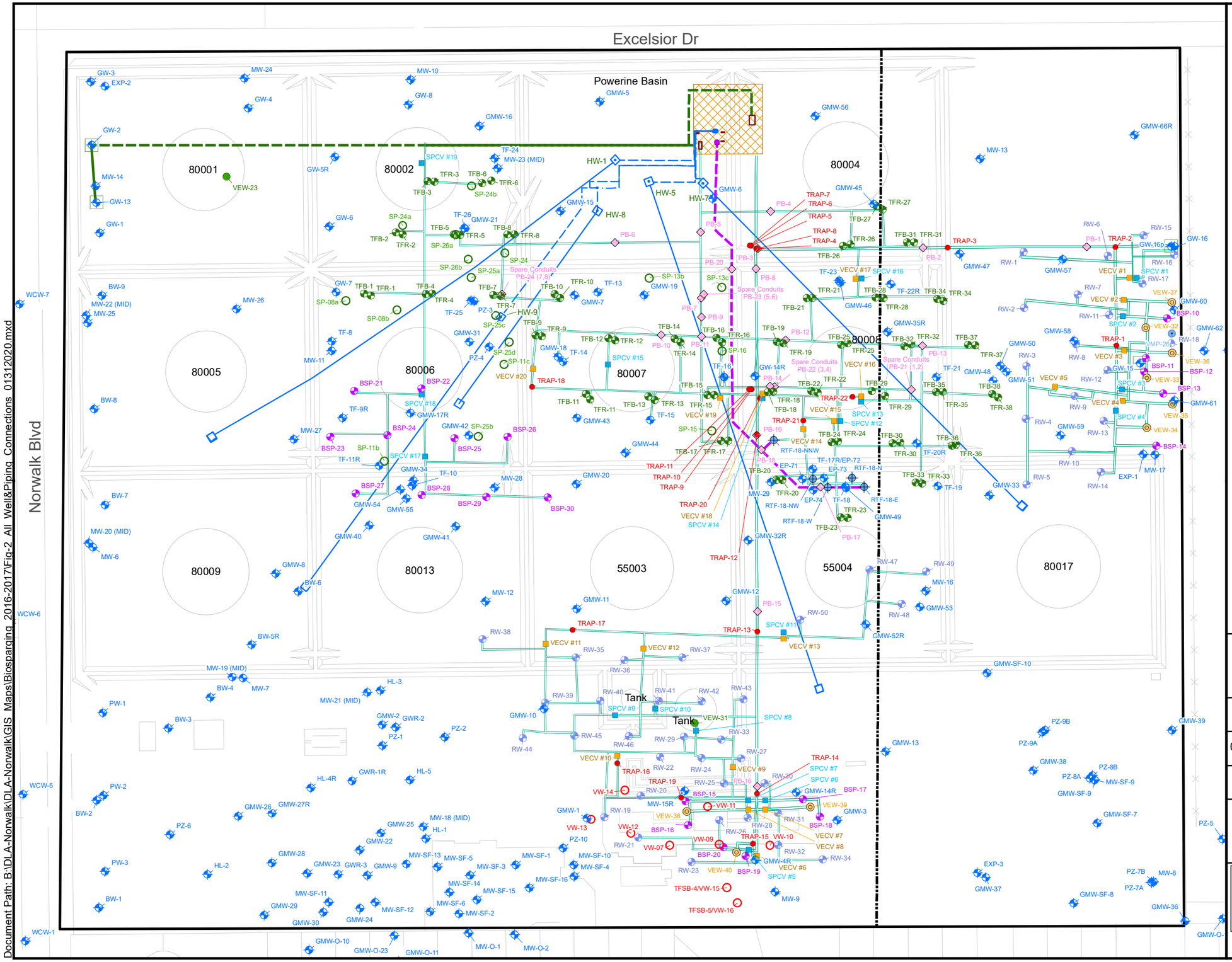
DEFENSE FUEL SUPPORT POINT NORWALK

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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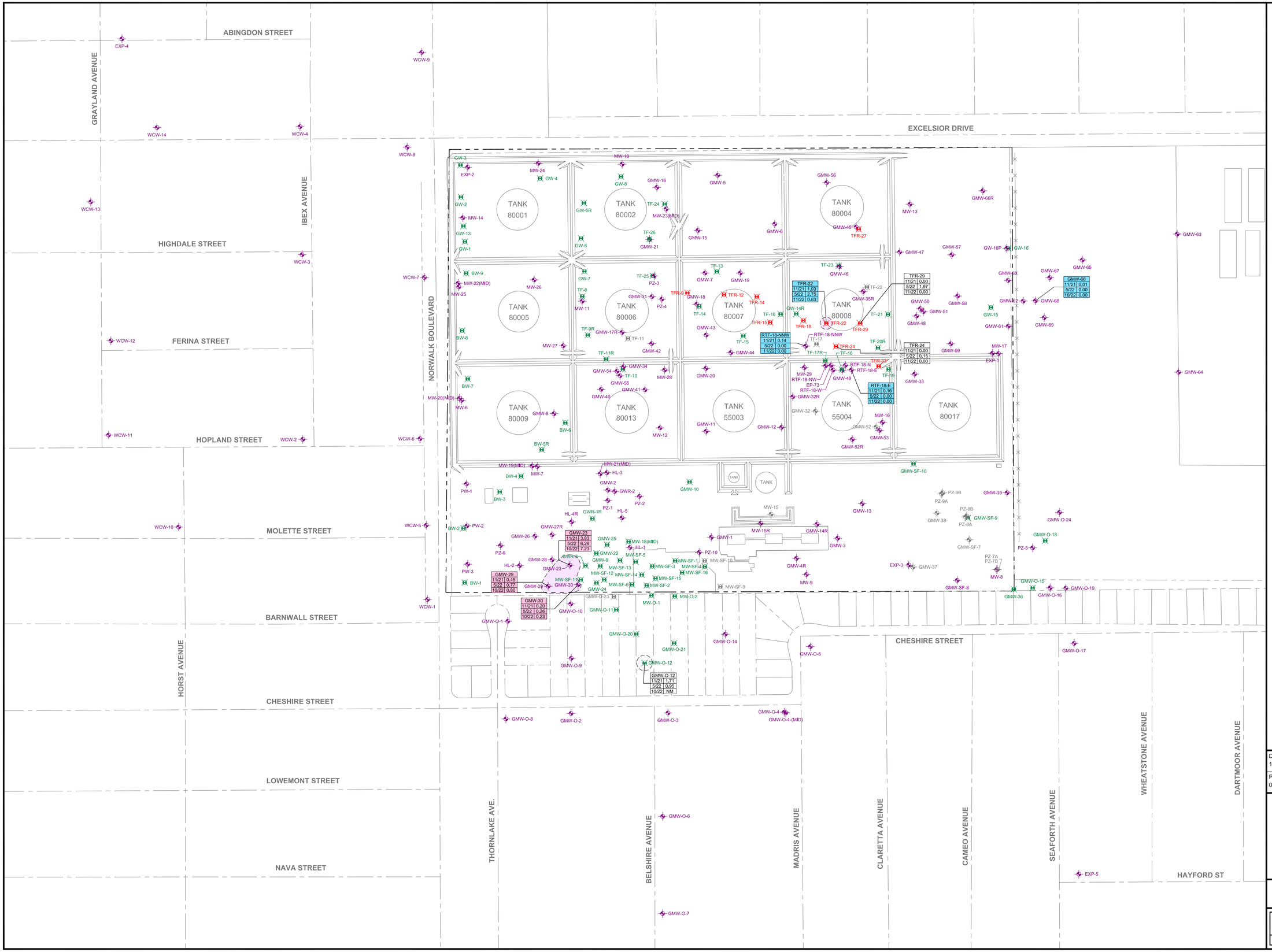
Figure 2



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 HAVE BEEN DECOMMISSIONED
- TF-26 — EXTRACTION WELL USED FOR VAPOR, GROUNDWATER, TOTAL FLUIDS, OR FLOATING PRODUCT EXTRACTION
- GMW-O-12 (11/21 1,71; 5/22 0,95; 10/31 NM) — 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 2021 SEMIANNUAL MONITORING EVENT, OR THE DATASET SHOWN DOES NOT PROVIDE A BASIS FOR COMPARISON
- GMW-23 (11/21 3,83; 5/22 6,26; 10/22 7,23) — WHERE THE DATABOX IS SHOWN IN RED, THE MEASURED PRODUCT THICKNESS HAS INCREASED BY 10% OR MORE AT THAT LOCATION SINCE THE FALL 2021 SEMIANNUAL MONITORING EVENT
- TFR-22 (11/21 1,03; 5/22 2,75; 11/22 0,63) — WHERE THE DATABOX IS SHOWN IN BLUE, THE MEASURED PRODUCT THICKNESS HAS DECREASED BY 10% OR MORE AT THAT LOCATION SINCE THE FALL 2021 SEMIANNUAL MONITORING EVENT
- NM — NOT MEASURED
- ESTIMATED EXTENT OF MEASURABLE LIGHT NONAQUEOUS PHASE LIQUID (LNAPL, FLOATING PRODUCT) ON GROUNDWATER
- MONITORING WELL GMW-O-12 WAS INACCESSIBLE AND COULD NOT BE GAUGED; THE PRESENCE OF FLOATING PRODUCT IS INFERRED BASED UPON HISTORICAL DATA

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: 11/2022	FILE NAME: DFSP-Norwalk-SE2-22.dwg
PROJECT No.: 091-NOR-001	CONTRACT: SPE603-20-D-5008

DISTRIBUTION OF FLOATING PRODUCT ON GROUNDWATER SECOND SEMIANNUAL 2022 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)
10/1/22	*		--	--	--	--	--	--	--	--	9,956.97
10/2/22	*		--	--	--	--	--	--	--	--	9,956.99
10/3/22	Technician		1,143,586	630,516	1,770,600	1,770,600	1,774,102	3,668,730	21,832	--	9,957.02
10/4/22	*		--	--	--	--	--	--	--	--	9,957.04
10/5/22	*		--	--	--	--	--	--	--	--	9,957.06
10/6/22	*		--	--	--	--	--	--	--	--	9,957.08
10/7/22	Technician	1	1,151,312	637,384	1,779,909	1,779,909	1,788,695	3,698,312	29,582	--	9,957.10
10/8/22	*		--	--	--	--	--	--	--	--	9,957.11
10/9/22	*		--	--	--	--	--	--	--	--	9,957.13
10/10/22	*		--	--	--	--	--	--	--	--	9,957.14
10/11/22	*		--	--	--	--	--	--	--	--	9,957.15
10/12/22	Technician		1,156,633	644,944	1,792,066	1,792,066	1,801,577	3,722,205	23,893	--	9,957.17
10/13/22	Technician		1,160,080	646,336	1,794,668	1,794,668	1,806,416	3,727,874	5,669	--	9,957.18
10/14/22	*		--	--	--	--	--	--	--	--	9,957.19
10/15/22	*		--	--	--	--	--	--	--	--	9,957.20
10/16/22	*		--	--	--	--	--	--	--	--	9,957.21
10/17/22	*		--	--	--	--	--	--	--	--	9,957.22
10/18/22	*		--	--	--	--	--	--	--	--	9,957.22
10/19/22	*		--	--	--	--	--	--	--	--	9,957.23
10/20/22	*		--	--	--	--	--	--	--	--	9,957.24
10/21/22	Technician		1,171,583	649,567	1,805,044	1,805,044	1,821,150	3,751,314	23,440	--	9,957.25
10/22/22	*		--	--	--	--	--	--	--	--	9,957.26
10/23/22	*		--	--	--	--	--	--	--	--	9,957.28
10/24/22	Technician		1,178,661	649,567	1,813,110	1,813,110	1,828,228	3,765,844	14,530	--	9,957.29
10/25/22	*		--	--	--	--	--	--	--	--	9,957.30
10/26/22	Technician	2, 3, 4	1,182,347	649,567	1,816,101	1,816,101	1,831,914	3,772,814	6,970	430	9,957.31
10/27/22	Technician		1,184,412	650,869	1,818,479	1,818,479	1,835,281	3,778,112	5,298	--	9,957.33
10/28/22	*		--	--	--	--	--	--	--	--	9,957.35
10/29/22	*		--	--	--	--	--	--	--	--	9,957.38
10/30/22	*		--	--	--	--	--	--	--	--	9,957.40
10/31/22	Technician		1,194,734	657,382	1,830,367	1,830,367	1,852,116	3,804,604	26,492	--	9,957.43

Cumulative Groundwater Discharged by the GWETS to Date (gallons)							
Period	October	Quarter 1, 2022	Quarter 2, 2022	Quarter 3, 2022	Quarter 4, 2022	2022 to Date	April 1996 to Date
Volume	157,706	343,100	76,128	58,396	157,706	635,331	82,217,311

Cumulative Mass DRO Removed by the GWETS [A] (lb)			
Period	October	Quarter 4 to Date	April 1996 to Date
Mass	0.47	0.47	9,957.4

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

Legend / Notes:

1 = New discharge totalizer installed.

2 = GWETS automatically shut down prior to technician visit, restarted following adjustments.

3 = Collected monthly influent and effluent water samples for laboratory analysis.

4 = LGAC-3 removed from treatment process.

Groundwater extraction wells on line this month: GW-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)
11/1/22	*		--	--	--	--	--	--	--	--	9,957.44
11/2/22	*		--	--	--	--	--	--	--	--	9,957.46
11/3/22	*		--	--	--	--	--	--	--	--	9,957.47
11/4/22	Technician		1,200,928	661,289	1,837,500	1,837,500	1,862,217	3,820,499	15,895	--	9,957.48
11/5/22	*		--	--	--	--	--	--	--	--	9,957.50
11/6/22	*		--	--	--	--	--	--	--	--	9,957.51
11/7/22	*		--	--	--	--	--	--	--	--	9,957.53
11/8/22	*		--	--	--	--	--	--	--	--	9,957.55
11/9/22	*		--	--	--	--	--	--	--	--	9,957.56
11/10/22	*		--	--	--	--	--	--	--	--	9,957.58
11/11/22	*		--	--	--	--	--	--	--	--	9,957.59
11/12/22	*		--	--	--	--	--	--	--	--	9,957.61
11/13/22	*		--	--	--	--	--	--	--	--	9,957.62
11/14/22	Technician		1,225,583	677,744	1,842,930	1,842,930	1,903,327	3,864,189	43,690	--	9,957.64
11/15/22	*		--	--	--	--	--	--	--	--	9,957.66
11/16/22	*		--	--	--	--	--	--	--	--	9,957.67
11/17/22	*		--	--	--	--	--	--	--	--	9,957.69
11/18/22	Technician		1,236,044	683,657	1,843,785	1,843,785	1,919,701	3,880,817	16,628	--	9,957.70
11/19/22	*		--	--	--	--	--	--	--	--	9,957.71
11/20/22	*		--	--	--	--	--	--	--	--	9,957.72
11/21/22	Technician		1,242,687	687,725	1,843,786	1,843,786	1,930,412	3,890,694	9,877	--	9,957.74
11/22/22	*		--	--	--	--	--	--	--	--	9,957.74
11/23/22	Technician	1	1,243,820	688,355	1,844,515	1,844,515	1,932,175	3,892,109	1,415	--	9,957.74
11/24/22	*		--	--	--	--	--	--	--	--	9,957.75
11/25/22	*		--	--	--	--	--	--	--	--	9,957.77
11/26/22	*		--	--	--	--	--	--	--	--	9,957.78
11/27/22	*		--	--	--	--	--	--	--	--	9,957.79
11/28/22	*		--	--	--	--	--	--	--	--	9,957.80
11/29/22	Technician	2	1,249,661	692,390	1,853,365	1,853,365	1,942,051	3,912,247	20,138	360	9,957.81
11/30/22	*		--	--	--	--	--	--	--	--	9,957.82

Cumulative Groundwater Discharged by the GWETS (gallons)							
Period	November	Quarter 1, 2022	Quarter 2, 2022	Quarter 3, 2022	Quarter 4, 2022	2022 to Date	April 1996 to Date
Volume	110,911	343,100	76,128	58,396	268,617	746,242	82,328,222

Cumulative Mass DRO Removed by the GWETS [A] (lb)			
Period	November	Quarter 4 to Date	April 1996 to Date
Mass	0.39	0.87	9,957.8

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

Legend / Notes:

1 = GWETS automatically shut down prior to technician visit, restarted following adjustments.

2 = Collected monthly influent and effluent 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 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)
12/1/22	*		--	--	--	--	--	--	--	--	9,957.83
12/2/22	*		--	--	--	--	--	--	--	--	9,957.84
12/3/22	*		--	--	--	--	--	--	--	--	9,957.85
12/4/22	*		--	--	--	--	--	--	--	--	9,957.86
12/5/22	*		--	--	--	--	--	--	--	--	9,957.87
12/6/22	Technician	1	1,256,476	697,097	1,863,690	1,863,690	1,953,573	3,935,740	23,494	--	9,957.88
12/7/22	Technician	2	1,256,476	697,097	1,863,690	1,863,690	1,953,573	3,935,740	0	--	9,957.88
12/8/22	*		--	--	--	--	--	--	--	--	9,957.89
12/9/22	*		--	--	--	--	--	--	--	--	9,957.91
12/10/22	*		--	--	--	--	--	--	--	--	9,957.92
12/11/22	*		--	--	--	--	--	--	--	--	9,957.93
12/12/22	Technician		1,262,317	701,132	1,872,540	1,872,540	1,963,449	3,955,878	20,138	--	9,957.94
12/13/22	*		--	--	--	--	--	--	--	--	9,957.95
12/14/22	*		--	--	--	--	--	--	--	--	9,957.96
12/15/22	*		--	--	--	--	--	--	--	--	9,957.96
12/16/22	*		--	--	--	--	--	--	--	--	9,957.97
12/17/22	*		--	--	--	--	--	--	--	--	9,957.98
12/18/22	*		--	--	--	--	--	--	--	--	9,957.98
12/19/22	Technician		1,269,132	705,839	1,882,865	1,882,865	1,974,971	3,971,219	15,341	--	9,957.99
12/20/22	Technician		1,270,013	707,238	1,884,134	1,884,134	1,977,250	3,973,680	2,461	--	9,958.00
12/21/22	Technician	3	1,270,923	708,749	1,885,431	1,885,431	1,979,672	3,975,949	2,269	1,200	9,958.02
12/22/22	*		--	--	--	--	--	--	--	--	9,958.05
12/23/22	Technician	4	1,271,544	709,888	1,887,501	1,887,501	1,981,432	3,982,944	6,995	--	9,958.09
12/24/22	Off line		--	--	--	--	--	--	--	--	9,958.09
12/25/22	Off line		--	--	--	--	--	--	--	--	9,958.09
12/26/22	Off line		--	--	--	--	--	--	--	--	9,958.09
12/27/22	Off line		--	--	--	--	--	--	--	--	9,958.09
12/28/22	Off line		--	--	--	--	--	--	--	--	9,958.09
12/29/22	Technician		1,271,544	709,888	1,887,501	1,887,501	1,981,432	3,982,944	0	--	9,958.09
12/30/22	Off line		--	--	--	--	--	--	--	--	9,958.09

Cumulative Groundwater Discharged by the GWETS (gallons)							
Period	December	Quarter 1, 2022	Quarter 2, 2022	Quarter 3, 2022	Quarter 4, 2022	2022 to Date	April 1996 to Date
Volume	67,532	343,100	76,128	58,396	336,149	813,774	82,395,754

Cumulative Mass DRO Removed by the GWETS [A] (lb)			
Period	December	Quarter 4 to Date	April 1996 to Date
Mass	0.27	1.14	9,958.1

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

Legend / Notes:

1 = GWETS manually shut down for maintenance.

2 = GWETS restarted.

3 = Collected monthly influent and effluent water samples for laboratory analysis.

4 = GWETS 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 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)
10/01/22	Technician	1	78,548	0	--	--	--	--	--	2,988,133
10/02/22	Offline		78,548	0	--	--	--	--	--	2,988,133
10/03/22	Technician	2	78,548	642	--	--	--	--	--	2,988,133
10/04/22	*		78,573	642	--	--	--	--	--	2,988,139
10/05/22	*		78,599	642	--	--	--	--	--	2,988,146
10/06/22	Technician		78,624	644	4.3	115.0	--	60.5	0.0	2,988,153
10/07/22	*		78,647	644	--	--	--	--	--	2,988,159
10/08/22	*		78,671	644	--	--	--	--	--	2,988,165
10/09/22	*		78,695	644	--	--	--	--	--	2,988,172
10/10/22	*		78,718	644	--	--	--	--	--	2,988,178
10/11/22	Technician		78,742	626	4.4	110.0	--	79.0	0.0	2,988,184
10/12/22	*		78,766	626	--	--	--	--	--	2,988,190
10/13/22	*		78,790	626	--	--	--	--	--	2,988,197
10/14/22	*		78,815	626	--	--	--	--	--	2,988,203
10/15/22	*		78,839	626	--	--	--	--	--	2,988,209
10/16/22	*		78,863	626	--	--	--	--	--	2,988,215
10/17/22	*		78,887	626	--	--	--	--	--	2,988,222
10/18/22	Technician	1	78,912	0	--	--	--	--	--	2,988,222
10/19/22	Offline		78,912	0	--	--	--	--	--	2,988,222
10/20/22	Offline		78,912	0	--	--	--	--	--	2,988,222
10/21/22	Offline		78,912	0	--	--	--	--	--	2,988,222
10/22/22	Offline		78,912	0	--	--	--	--	--	2,988,222
10/23/22	Offline		78,912	0	--	--	--	--	--	2,988,222
10/24/22	Offline		78,912	0	--	--	--	--	--	2,988,222
10/25/22	Offline		78,912	0	--	--	--	--	--	2,988,222
10/26/22	Offline		78,912	0	--	--	--	--	--	2,988,222
10/27/22	Offline		78,912	0	--	--	--	--	--	2,988,222
10/28/22	Offline		78,912	0	--	--	--	--	--	2,988,222
10/29/22	Offline		78,912	0	--	--	--	--	--	2,988,222
10/30/22	Offline		78,912	0	--	--	--	--	--	2,988,222
10/31/22	Offline		78,912	0	--	--	--	--	--	2,988,222

Cumulative Mass TPHg Removed by the VES [D] (lb)			
Period	October	Quarter 4 to Date	April 1996 to Date
Mass	89	89	2,988,222

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

Legend / Notes:

1 = VES automatically shut down.

2 = VES restarted.

Monthly samples not collected for laboratory analysis due to system shut down 10/18/2022.

Influent values from samples collected 9/20/22 used for mass removal calculations.

* = 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).

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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)
11/01/22	Offline		78,912	0	--	--	--	--	--	2,988,222
11/02/22	Offline		78,912	0	--	--	--	--	--	2,988,222
11/03/22	Offline		78,912	0	--	--	--	--	--	2,988,222
11/04/22	Offline		78,912	0	--	--	--	--	--	2,988,222
11/05/22	Offline		78,912	0	--	--	--	--	--	2,988,222
11/06/22	Offline		78,912	0	--	--	--	--	--	2,988,222
11/07/22	Technician	1	78,939	616	4.4	100.0	--	42.9	0.0	2,988,226
11/08/22	*		78,961	616	--	--	--	--	--	2,988,230
11/09/22	*		78,983	616	--	--	--	--	--	2,988,234
11/10/22	Technician	2, 3	79,005	604	4.7	108.0	13	157.3	0.0	2,988,237
11/11/22	*		79,029	604	--	--	--	--	--	2,988,241
11/12/22	*		79,053	604	--	--	--	--	--	2,988,245
11/13/22	*		79,078	604	--	--	--	--	--	2,988,250
11/14/22	*		79,102	604		--	--	--	--	2,988,254
11/15/22	*		79,126	604	--	--	--	--	--	2,988,258
11/16/22	*		79,151	604	--	--	--	--	--	2,988,262
11/17/22	*		79,175	604	--	--	--	--	--	2,988,266
11/18/22	Technician		79,200	590	4.6	114.0	--	48.3	0.0	2,988,270
11/19/22	*		79,224	590	--	--	--	--	--	2,988,274
11/20/22	*		79,249	590	--	--	--	--	--	2,988,278
11/21/22	*		79,274	590	--	--	--	--	--	2,988,282
11/22/22	*		79,299	590	--	--	--	--	--	2,988,286
11/23/22	Technician		79,324	586	4.8	115.0	--	127.7	0.0	2,988,290
11/24/22	*		79,347	586	--	--	--	--	--	2,988,294
11/25/22	*		79,370	586	--	--	--	--	--	2,988,298
11/26/22	*		79,393	586	--	--	--	--	--	2,988,301
11/27/22	*		79,416	586	--	--	--	--	--	2,988,305
11/28/22	*		79,438	586	--	--	--	--	--	2,988,309
11/29/22	*		79,461	586	--	--	--	--	--	2,988,313
11/30/22	*		79,484	586	--	--	--	--	--	2,988,316

Cumulative Mass TPHg Removed by the VES [A] (lb)			
Period	November	Quarter 4 to Date	April 1996 to Date
Mass	95	183	2,988,316

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

Legend / Notes:

1 = VES restarted following maintenance and repair work.

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

3 = Collected individual well vapor samples for laboratory analysis from HWs.

-- = 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)
12/01/22	Technician	1, 2	79,507	588	4.8	100.0	--	102.0	0.0	2,988,326
12/02/22	*		79,531	588	--	--	--	--	--	2,988,328
12/03/22	*		79,555	588	--	--	--	--	--	2,988,329
12/04/22	*		79,579	588	--	--	--	--	--	2,988,330
12/05/22	*		79,603	588	--	--	--	--	--	2,988,332
12/06/22	Technician	3	79,627	572	5.3	108.0	--	184.0	0.0	2,988,333
12/07/22	*		79,651	572	--	--	--	--	--	2,988,334
12/08/22	*		79,676	572	--	--	--	--	--	2,988,336
12/09/22	*		79,700	572	--	--	--	--	--	2,988,337
12/10/22	*		79,725	572	--	--	--	--	--	2,988,338
12/11/22	*		79,749	572	--	--	--	--	--	2,988,339
12/12/22	*		79,774	572	--	--	--	--	--	2,988,341
12/13/22	*		79,798	572	--	--	--	--	--	2,988,342
12/14/22	Technician	4	79,823	577	5.3	113.0	5.5	47.9	0.0	2,988,343
12/15/22	*		79,846	577	--	--	--	--	--	2,988,345
12/16/22	Technician	5	79,870	0	--	120.0	--	--	--	2,988,345
12/17/22	Offline		79,870	0	--	--	--	--	--	2,988,345
12/18/22	Offline		79,871	0	--	--	--	--	--	2,988,345
12/19/22	Offline		79,871	0	--	--	--	--	--	2,988,345
12/20/22	Offline		79,871	0	--	--	--	--	--	2,988,345
12/21/22	Offline		79,872	0	--	--	--	--	--	2,988,345
12/22/22	Offline		79,872	0	--	--	--	--	--	2,988,345
12/23/22	Technician	2	79,873	614	4.9	112.0	--	56.2	0.0	2,988,345
12/24/22	*		79,896	614	--	--	--	--	--	2,988,346
12/25/22	*		79,920	614	--	--	--	--	--	2,988,347
12/26/22	*		79,944	614	--	--	--	--	--	2,988,349
12/27/22	*		79,967	614	--	--	--	--	--	2,988,350
12/28/22	*		79,991	614	--	--	--	--	--	2,988,351
12/29/22	Technician		80,015	557	5.2	105.0	--	62.1	0.0	2,988,353
12/30/22	*		80,039	557	--	--	--	--	--	2,988,354
12/31/22	*		80,063	557	--	--	--	--	--	2,988,355

Cumulative Mass TPHg Removed by the VES [A] (lb)			
Period	December	Quarter 4 to Date	April 1996 to Date
Mass	39	222	2,988,355

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

Legend / Notes :

1 = VES automatically shut down prior to technician arrival.
2 = VES restarted.
3 = HW-7 closed in advance of horizontal drilling activities.
4 = Collected monthly influent, after GAC-1, after GAC-2, and Effluent samples for laboratory analysis.
5 = VES manually shut down in advance of site-wide well temperature survey.
-- = 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)

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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
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

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)
04/23/14		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
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

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)
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
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

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)
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	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
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
01/18/22		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	212	**32**	**130**	**25**	**130**	<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)
02/09/22		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	151	**27**	**110**	**19**	**110**	<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
03/09/22		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	327	**29**	**120**	**22**	**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
04/20/22		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	306	**34**	**140**	**25**	**140**	<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
05/10/22		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	287	**37**	**150**	**27**	**150**	<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
06/16/22		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	306	**23**	**95**	**17**	**95**	<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
07/12/22		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	226	**24**	**100**	**18**	**100**	<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
08/08/22		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	216	**21**	**87**	**16**	**87**	<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
09/20/22		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	229	**27**	**110**	**20**	**110**	<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
11/10/22	27	HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	157	**18**	**74**	**13**	**74**	<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
12/14/22	28	HW-1, HW-9, HW-5, Trunkline #2	8015 & 8260B	48	**6.1**	**25**	**5.5**	**25**	<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.
Influent vapor sample inadvertently not collected during August 2016.
- Reported concentrations are shown in bold.

VES = Vapor extraction system
ppmv = Parts per million by volume
GRO = Gasoline range organics
µg/L = Micrograms per liter
MTBE = Methyl tertiary-butyl ether
-- = Not available or not analyzed
OVA = Organic Vapor Analyzer (calibrated or correlated to Hexane)
<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.
27 = No sample collected for analysis during October 2022 due to system operation status.
28 = HW-7 closed 12/06/22 in advance of horizontal drilling activities.

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)
10/01/22	Technician	1	24,349	0	--	--	--	--	--	354,863
10/02/22	Offline		24,349	0	--	--	--	--	--	354,863
10/03/22	Technician	2	24,349	656	--	--	--	--	--	354,863
10/04/22	*		24,374	656	--	--	--	--	--	354,956
10/05/22	*		24,399	656	--	--	--	--	--	355,048
10/06/22	Technician		24,424	689	68	782	--	240	2	355,144
10/07/22	*		24,448	689	--	--	--	--	--	355,237
10/08/22	*		24,472	689	--	--	--	--	--	355,329
10/09/22	*		24,495	689	--	--	--	--	--	355,421
10/10/22	*		24,519	689	--	--	--	--	--	355,513
10/11/22	Technician		24,543	670	68	782	--	242	4	355,603
10/12/22	*		24,567	670	--	--	--	--	--	355,694
10/13/22	*		24,591	670	--	--	--	--	--	355,784
10/14/22	*		24,615	670	--	--	--	--	--	355,875
10/15/22	*		24,640	670	--	--	--	--	--	355,966
10/16/22	*		24,664	670	--	--	--	--	--	356,057
10/17/22	*		24,688	670	--	--	--	--	--	356,148
10/18/22	Technician		24,712	773	68	779	--	256	4	356,253
10/19/22	*		24,734	773	--	--	--	--	--	356,349
10/20/22	*		24,756	773	--	--	--	--	--	356,445
10/21/22	*		24,778	773	--	--	--	--	--	356,541
10/22/22	*		24,801	773	--	--	--	--	--	356,637
10/23/22	*		24,823	773	--	--	--	--	--	356,733
10/24/22	*		24,845	773	--	--	--	--	--	356,830
10/25/22	*		24,867	773	--	--	--	--	--	356,926
10/26/22	Technician	3, 2, 4	24,889	759	68	781	270	320	1	357,020
10/27/22	*		24,913	759	--	--	--	--	--	357,123
10/28/22	*		24,937	759	--	--	--	--	--	357,227
10/29/22	*		24,962	759	--	--	--	--	--	357,330
10/30/22	*		24,986	759	--	--	--	--	--	357,433
10/31/22	*		25,010	759	--	--	--	--	--	357,537

Cumulative Mass TPHg Removed by the VES [D] (lb)			
Period	October	Quarter 4 to Date	January 2018 to Date
Mass	2,673.1	2,673.1	365,377.5

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

Legend / Notes:

1 = VES automatically shut down.
2 = VES restarted.
3 = System automatically shut down due to suspected power failure.
4 = 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-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-30), (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)
11/01/22	*		25,034	759	--	--	--	--	--	358,032
11/02/22	*		25,059	759	--	--	--	--	--	358,115
11/03/22	*		25,083	759	--	--	--	--	--	358,198
11/04/22	Technician		25,107	745	68	781	--	250	2	358,279
11/05/22	*		25,130	745	--	--	--	--	--	358,356
11/06/22	*		25,153	745	--	--	--	--	--	358,434
11/07/22	*		25,177	745	--	--	--	--	--	358,512
11/08/22	*		25,200	745	--	--	--	--	--	358,589
11/09/22	*		25,223	745	--	--	--	--	--	358,667
11/10/22	Technician	1	25,246	675	68	773	210	234	4	358,737
11/11/22	*		25,271	675	--	--	--	--	--	358,811
11/12/22	*		25,295	675	--	--	--	--	--	358,886
11/13/22	*		25,320	675	--	--	--	--	--	358,960
11/14/22	*		25,344	675	--	--	--	--	--	359,034
11/15/22	*		25,369	675	--	--	--	--	--	359,109
11/16/22	*		25,393	675	--	--	--	--	--	359,183
11/17/22	*		25,418	675	--	--	--	--	--	359,257
11/18/22	Technician		25,442	710	70	781	--	254	2	359,336
11/19/22	*		25,466	710	--	--	--	--	--	359,412
11/20/22	*		25,490	710	--	--	--	--	--	359,489
11/21/22	Technician		25,514	710	--	--	--	--	--	359,565
11/22/22	*		25,539	710	--	--	--	--	--	359,644
11/23/22	Technician		25,563	709	68	780	--	242	3	359,722
11/24/22	*		25,587	709	--	--	--	--	--	359,797
11/25/22	*		25,610	709	--	--	--	--	--	359,871
11/26/22	*		25,634	709	--	--	--	--	--	359,946
11/27/22	*		25,657	709	--	--	--	--	--	360,021
11/28/22	*		25,681	709	--	--	--	--	--	360,096
11/29/22	*		25,704	709	--	--	--	--	--	360,171
11/30/22	*		25,728	709	--	--	--	--	--	360,246

Cumulative Mass TPHg Removed by the VES [D] (lb)			
Period	November	Quarter 4 to Date	January 2018 to Date
Mass	2,709.5	5,382.6	368,087.0

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

Legend / Notes:

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

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

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-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-30), (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)

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)
12/01/22	Technician	1, 2	25,751	695	73	748	--	236	3	360,833
12/02/22	*		25,776	695	--	--	--	--	--	360,912
12/03/22	*		25,800	695	--	--	--	--	--	360,986
12/04/22	*		25,824	695	--	--	--	--	--	361,060
12/05/22	*		25,847	695	--	--	--	--	--	361,134
12/06/22	Technician		25,871	687	68	771	--	230	5	361,207
12/07/22	*		25,884	687	--	--	--	--	--	361,248
12/08/22	*		25,898	687	--	--	--	--	--	361,289
12/09/22	*		25,911	687	--	--	--	--	--	361,330
12/10/22	Technician	1	25,924	0	--	--	--	--	--	361,330
12/11/22	Offline		25,948	0	--	--	--	--	--	361,330
12/12/22	Technician	2	25,972	687	--	--	--	--	--	361,404
12/13/22	*		25,995	687	--	--	--	--	--	361,474
12/14/22	Technician	3, 2, 4	26,017	702	76	778	270	294	4	361,545
12/15/22	*		26,040	702	--	--	--	--	--	361,617
12/16/22	Technician	5	26,063	0	74	778	--	--	--	361,617
12/17/22	Offline		26,063	0	--	--	--	--	--	361,617
12/18/22	Offline		26,063	0	--	--	--	--	--	361,617
12/19/22	Offline		26,063	0	--	--	--	--	--	361,617
12/20/22	Offline		26,063	0	--	--	--	--	--	361,617
12/21/22	Offline		26,063	0	--	--	--	--	--	361,617
12/22/22	Offline		26,063	0	--	--	--	--	--	361,617
12/23/22	Offline		26,063	0	--	--	--	--	--	361,617
12/24/22	Offline		26,063	0	--	--	--	--	--	361,617
12/25/22	Offline		26,063	0	--	--	--	--	--	361,617
12/26/22	Offline		26,063	0	--	--	--	--	--	361,617
12/27/22	Offline		26,063	0	--	--	--	--	--	361,617
12/28/22	Offline		26,063	0	--	--	--	--	--	361,617
12/29/22	Offline		26,063	0	--	--	--	--	--	361,617
12/30/22	Offline		26,063	0	--	--	--	--	--	361,617
12/31/22	Offline		26,063	0	--	--	--	--	--	361,617

Cumulative Mass TPHg Removed by the VES [A] (lb)			
Period	December	Quarter 4 to Date	January 2018 to Date
Mass	1,371.4	6,754.0	369,458.4

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

Legend / Notes:

1 = System automatically shut down.
2 = System restarted.
3 = System automatically shut down prior to technician arrival.
4 = Collected monthly influent and effluent samples for laboratory analysis.
5 = System manually shut down in advance of site-wide well temperature survey.
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-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-30), (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.

SGI environmental APEX

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**
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**

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)
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**
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**

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)
4/15/2020		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**
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**

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)
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**
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**

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)
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**
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**
1/18/2022		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	**498**	**610**	**2,500**	**460**	**2,500**	**1.10**	**3.60**	**0.37**	**1.60**	<0.28	<1.0	**0.45**	**1.70**	**0.25**	**1.10**	**0.92**	**4.00**	**1.17**	**5.1**
2/9/2022		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**	**540**	**2,200**	**390**	**2,200**	**0.75**	**2.40**	**0.22**	**0.97**	<0.28	<1.0	**0.32**	**1.20**	**0.21**	**0.90**	**0.69**	**3.00**	**0.9**	**3.9**
3/9/2022		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	**402**	**540**	**2,200**	**400**	**2,200**	**0.81**	**2.60**	**0.25**	**1.10**	<0.28	<1.0	**0.42**	**1.60**	**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)
4/20/2022		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	**310**	**370**	**1,500**	**280**	**1,500**	**0.41**	**1.30**	**0.21**	**0.93**	<0.28	<1.0	**0.24**	**0.89**	**0.25**	**1.10**	**0.62**	**2.70**	**0.87**	**3.8**
5/10/2022		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	**356**	**390**	**1,600**	**290**	**1,600**	**0.53**	**1.70**	**0.25**	**1.10**	<0.28	<1.0	**0.32**	**1.20**	**0.28**	**1.20**	**0.81**	**3.50**	**1.09**	**4.7**
6/16/2022		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	**290**	**370**	**1,500**	**270**	**1,500**	**0.41**	**1.30**	**0.17**	**0.72**	<0.28	<1.0	**0.29**	**1.10**	**0.21**	**0.90**	**0.58**	**2.50**	**0.79**	**3.4**
7/12/2022		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	**356**	**540**	**2,200**	**390**	**2,200**	**0.56**	**1.80**	**0.30**	**1.30**	<0.28	<1.0	**0.37**	**1.40**	**0.35**	**1.50**	**1.10**	**4.60**	**1.45**	**6.1**
8/8/2022		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-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	**292**	**290**	**1,200**	**220**	**1,200**	**0.41**	**1.30**	**0.18**	**0.76**	<0.28	<1.0	**0.18**	**0.69**	**0.16**	**0.70**	**0.53**	**2.30**	**0.69**	**3.0**
9/20/2022		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-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-30), (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	**130**	**370**	**1,500**	**270**	**1,500**	**0.56**	**1.80**	**0.18**	**0.80**	<0.28	<1.0	**0.20**	**0.74**	**0.20**	**0.87**	**0.55**	**2.40**	**0.75**	**3.27**
10/26/2022		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-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-30), (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	**320**	**370**	**1,500**	**270**	**1,500**	**0.41**	**1.30**	**0.14**	**0.61**	<0.28	<1.0	**0.09**	**0.32**	**0.13**	**0.58**	**0.37**	**1.60**	**0.5**	**2.18**
11/10/2022		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-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-30), (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	**234**	**290**	**1,200**	**210**	**1,200**	**0.41**	**1.30**	**0.12**	**0.52**	<0.28	<1.0	**0.10**	**0.37**	**0.12**	**0.54**	**0.37**	**1.60**	**0.49**	**2.14**

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)
12/14/2022		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-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-30), (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	**294**	**290**	**1,200**	**270**	**1,200**	**0.28**	**0.89**	**0.15**	**0.66**	<0.28	<1.0	**0.07**	**0.28**	**0.13**	**0.56**	**0.35**	**1.50**	**0.48**	**2.06**

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 2022
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 2022:	*149.3*	*1,021.9*
10/11/22	--	36.88	--	0.0	0.0	0.0	149.3	1,021.9
10/27/22	--	36.85	--	0.0	0.0	0.0	149.3	1,021.9
11/30/22	--	36.63	--	0.0	0.0	0.0	149.3	1,021.9
Cumulative for the Reporting Period [A]:				**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning January 2014 [A,B]:				**112.0**	**255.5**	**37.3**	**149.3**	**1,021.9**

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 2022
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 Second Quarter 2022:	*100.7*	*689.0*
10/11/22	--	35.73	--	0.0	0.0	0.0	100.7	689.0
10/27/22	--	35.69	--	0.0	1.5	0.2	100.9	690.5
11/30/22	--	35.43	--	0.0	0.0	0.0	100.9	690.5

Cumulative for the Reporting Period [A]:	**0.0**	**1.5**	**0.2**	**0.2**	**1.5**
Cumulative Beginning October 2016 [A,B]:	**33.5**	**461.3**	**67.4**	**100.9**	**690.5**

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 2022
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 2022								

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 2022
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 2022								

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 2022
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 2022								
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 2022
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 2022								
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 2022
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 2022								
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 2022
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 2022								
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 2022
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 2022								
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 2022
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 2022								

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 2022
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 2022								

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 2022
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 2022								
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 2022
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 2022								
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 2022
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 2022:	*362.8*	*2,482.5*
10/06/22	34.06	34.85	0.79	0.6	--	--	363.3	2,486.4
10/12/22	34.60	35.11	0.51	0.6	--	--	363.9	2,490.3
10/20/22	34.60	35.44	0.84	0.6	--	--	364.5	2,494.2
10/27/22	34.68	35.50	0.82	0.6	--	--	365.1	2,498.1
11/30/22	34.32	36.22	1.90	1.1	--	--	366.2	2,506.0
12/20/23	35.25	35.30	0.05	0.6	--	--	366.8	2,509.9
Cumulative for the Reporting Period:				**4.0**	**0.0**	**0.0**	**4.0**	**27.4**
Cumulative Beginning October 2018 [A,B]:				**366.8**	**0.0**	**0.0**	**366.8**	**2,509.9**

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 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 2022
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 2022:	*113.1*	*774.1*
10/11/22	--	34.75	0.00	0.0	3.9	0.6	113.7	778.0
10/27/22	--	34.90	0.00	0.0	1.8	0.3	114.0	779.8
11/30/22	--	34.97	0.00	0.0	3.4	0.5	114.4	783.2
Cumulative for the Reporting Period:				**0.0**	**9.1**	**1.3**	**1.3**	**9.0**
Cumulative Beginning October 2018 [A,B]:				**110.1**	**29.9**	**4.4**	**114.4**	**783.2**

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 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 2022
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 2022:	*984.4*	*6,736.6*
10/06/22	--	34.82	0.00	0.0	--	--	984.4	6,736.6
10/12/22	--	35.37	0.00	0.0	--	--	984.4	6,736.6
10/20/22	--	33.82	0.00	0.0	--	--	984.4	6,736.6
10/27/22	--	34.35	0.00	0.0	--	--	984.4	6,736.6
11/30/22	--	34.07	0.00	0.0	--	--	984.4	6,736.6
12/20/22	35.26	35.34	0.08	0.0	--	--	984.4	6,736.6
Cumulative for the Reporting Period [A]:				**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning April 2018 [A,B,C,D]:				**981.9**	**17.3**	**2.5**	**984.4**	**6,736.6**

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 2022
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 2022								

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 2022
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 2022:	*683.1*	*4,674.4*
10/11/22	--	34.56	0.00	0.0	0.0	0.0	683.1	4,674.4
10/27/22	--	34.65	0.00	0.0	1.2	0.2	683.2	4,675.5
11/30/22	--	34.55	0.00	0.0	0.0	0.0	683.2	4,675.5

Cumulative for the Reporting Period:	**0.0**	**1.2**	**0.2**	**0.2**	**1.1**
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**	**28.5**	**4.2**	**683.2**	**4,675.5**

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-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 2022
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 2022								

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 2022
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 2022								

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 2022
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 2022								

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 2022
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 2022								

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 2022
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 2022								

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

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)
10/19/11		--	--	--	--	**8.2**	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<2.0	<2.0	<2.0
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

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)
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
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

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)
01/09/17		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
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

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)
01/08/19		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
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		GMW-31, 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	<10	<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
01/19/22		GW-16, GW-14R	8015B & EPA 624	**830**	**210**	<5.0	<5.0	<5.0	<10	<5.0	**36**	<5.0	<5.0	<1.0	<1.0
02/16/22		GW-16, GW-14R	8015B & EPA 624	**420**	**55**	<5.0	<5.0	<5.0	<10	<5.0	**46**	<5.0	<5.0	<1.0	<1.0
03/09/22		GW-16, GW-14R	8015B & EPA 624	**460**	**67**	<5.0	<5.0	<5.0	<10	<5.0	**42**	<5.0	<5.0	<1.0	<1.0
04/28/22		GW-16, GMW-31, GW-14R	8015B & EPA 624	**490**	<50	<5.0	<5.0	<5.0	<10	<5.0	<10	<5.0	<5.0	<1.0	<1.0
05/11/22		GW-16, GMW-31, GW-14R	8015B & EPA 624	**470**	<50	<5.0	<5.0	<5.0	<10	<5.0	**58**	<5.0	<5.0	<1.0	<1.0

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)
06/16/22		GW-16, GMW-31	8015B & EPA 624	**47**	<50	<5.0	<5.0	<5.0	<10	<5.0	<10	<5.0	<5.0	<1.0	<1.0
09/28/22	14,15	GW-16, GMW-31, GW-14R	8015B & EPA 624	**340**	<50	<5.0	<0.5	<5.0	<10	<5.0	**49**	<5.0	<5.0	<1.0	<1.0
10/26/22		GW-16, GW-14R	8015B & EPA 624	**430**	<50	<5.0	<0.5	<5.0	<10	<5.0	**29**	<5.0	<5.0	<1.0	<1.0
11/29/22		GW-16, GMW-31, GW-14R	8015B & EPA 624	**360**	<50	<5.0	<0.5	<5.0	<10	<5.0	**10**	<5.0	<5.0	<1.0	<1.0
12/21/22		GW-16, GMW-31, GW-14R	8015B & EPA 624	**1,200**	<50	<5.0	<0.5	<5.0	<10	<5.0	<10	<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.
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.
14 = GWETS manually shut down 6/24/22 due to naturally ocurring sludge in extraction wells.
15 = GWETS restarted on 9/9/22 following extensive in-well chemical treatment and installation of new pumps in all extraction wells.

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	--	--
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	--	--

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
07/06/16	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	--	--
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	--	--	--	--	--	--

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
08/29/18	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	--	--
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

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
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
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

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
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
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

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
11/30/21		HW-1, HW-9, HW-5, HW-7	14	--	40	187	--	376
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
1/6/22		HW-1, HW-9, HW-5, HW-7	29	--	43	17	--	525
1/11/22		HW-1, HW-9, HW-5, HW-7	79	--	75	853	--	425
1/18/22		HW-1, HW-9, HW-5, HW-7	38	--	22	1,373	--	796
1/26/22		HW-1, HW-9, HW-5, HW-7	11	--	12	0	--	535
2/1/22		HW-1, HW-9, HW-5, HW-7	17	--	108	1,414	--	1,130
2/9/22		HW-1, HW-9, HW-5, HW-7	22	--	6	930	--	514
2/15/22		HW-1, HW-9, HW-5, HW-7	55	--	63	802	--	1,082
2/22/22		HW-1, HW-9, HW-5, HW-7	25	--	23	159	--	902
3/1/22		HW-1, HW-9, HW-5, HW-7	22	--	47	168	--	1,050
3/9/22		HW-1, HW-9, HW-5, HW-7	34	--	58	652	--	715
3/15/22		HW-1, HW-9, HW-5, HW-7	44	--	4	84	--	843
3/21/22		HW-1, HW-9, HW-5, HW-7	41	--	4	420	--	381
3/31/22		HW-1, HW-9, HW-5, HW-7	47	--	25	325	--	814
4/6/22		HW-1, HW-9, HW-5, HW-7	32	--	4	550	--	626
4/13/22		HW-1, HW-9, HW-5, HW-7	37	--	13	486	--	568
4/26/22		HW-1, HW-9, HW-5, HW-7	30	--	66	595	--	653
5/3/22		HW-1, HW-9, HW-5, HW-7	44	--	57	628	--	483
5/10/22		HW-1, HW-9, HW-5, HW-7	41	--	55	373	--	754
5/17/22		HW-1, HW-9, HW-5, HW-7	32	--	68	973	--	1,281
5/27/22		HW-1, HW-9, HW-5, HW-7	19	--	4	618	--	693
6/3/22		HW-1, HW-9, HW-5, HW-7	22	--	37	1,392	--	860
6/9/22		HW-1, HW-9, HW-5, HW-7	28	--	43	1,275	--	885
6/16/22		HW-1, HW-9, HW-5, HW-7	14	--	55	1,809	--	464
7/1/22		HW-1, HW-9, HW-5, HW-7	20	--	4	1,576	--	672
7/12/22		HW-1, HW-9, HW-5, HW-7	30	--	25	1,303	--	463
7/29/22		HW-1, HW-9, HW-5, HW-7	47	--	62	553	--	386
8/1/22		HW-1, HW-9, HW-5, HW-7	13	--	10	19	--	468
8/8/22		HW-1, HW-9, HW-5, HW-7	12	--	6	53	--	420
8/18/22		HW-1, HW-9, HW-5, HW-7	14	--	11	73	--	526

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
8/30/22		HW-1, HW-9, HW-5, HW-7	18	--	11	65	--	412
9/7/22		HW-1, HW-9, HW-5, HW-7	9	--	4	95	--	417
9/15/22		HW-1, HW-9, HW-5, HW-7	9	--	28	273	--	>15000
9/16/22		HW-1, HW-9, HW-5, HW-7	--	--	--	--	--	12,400
9/20/22		HW-1, HW-9, HW-5, HW-7	12	--	13	161	--	1,269
9/29/22		HW-1, HW-9, HW-5, HW-7	9	--	19	163	--	385
10/6/22		HW-1, HW-9, HW-5, HW-7	8	--	26	186	--	342
10/11/22		HW-1, HW-9, HW-5, HW-7	19	--	22	--	--	324
11/10/22		HW-1, HW-9, HW-5, HW-7	26	--	2	275	--	281
11/18/22		HW-1, HW-9, HW-5, HW-7	30	--	24	314	--	390
12/1/22		HW-1, HW-9, HW-5, HW-7	27	--	22	337	--	415
12/6/22	23	HW-1, HW-9, HW-5	17	--	23	--	--	303

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.
23 = Closed off HW-7 due to horizontal well drilling activities.

* = 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	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
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
01/21/22		(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).	2,544	1,265	710	486	74	306	965	1,336	150	904	54	76	10,520	376	416	6,850	--	--	--	--	654	220	1,455	15,750	4,845	--	1,446	126	34	--	--	40	268	--	200
03/08/22		(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).	2,836	1,220	740	520	138	280	1,025	1,122	325	1,406	46	102	9,865	412	315	6,620	--	--	--	--	722	265	2,130	15,750	4,260	--	1,122	178	126	--	--	88	244	--	266
08/15/22		(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).	2,734	688	376	404	92	76	1,234	1,894	342	716	0	2	224	94	9,330	6,160	--	--	--	--	310	94	214	12,150	3,170	--	386	68	56	--	--	24	128	--	94

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
01/14/22		(RW-1), (RW-8), (RW-13), (RW-3, RW-4, RW-9, RW-10)	514	--	--	--	--	--	--	--	--	--	--	--	34	--	--	--	--	64	--	34	130	--	1,200	28
03/11/22		(RW-1), (RW-13), (RW-3, RW-4, RW-9, RW-10)	424	--	--	--	--	--	--	--	--	--	--	--	4	--	--	--	--	44	--	30	90	--	968	26
08/17/22		(RW-1), (RW-13), (RW-3, RW-4, RW-9, RW-10)	190	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	22	--	2	10	--	646	24

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
10/06/22	7	(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)	0	10	4	160	4	8	12	2	554	30	318	2	0	0	52	0	0	0	0	0	2	28	0	0	74	8	130	102	716	264	10	--	--	--	--
01/13/22		(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)	--	--	--	160	--	--	--	44	674	140	680	--	--	--	78	--	--	--	--	--	--	95	--	--	72	--	104	454	706	212	--	30	6	0	48
03/01/22		(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)	--	--	--	155	--	--	--	35	586	105	706	--	--	--	66	--	--	--	--	--	--	43	--	--	75	--	115	95	690	275	--	42	21	2	55
08/04/22		(RW-30), (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)	--	--	--	122	--	--	--	--	440	40	200	--	--	--	82	--	--	--	--	--	--	10	--	--	48	--	70	142	598	336	--	68	12	4	70

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
	01/18/22			**38**	**6.4**	**26**	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.28	<1.0
	05/10/22			**41**	**6.8**	**28**	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.28	<1.0
	08/08/22			**12**	<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
	11/10/22			**26**	**5.4**	**22**	<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

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	02/18/20		8015 & 8260B	**4.0**	<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			**7.5**	<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			**5.7**	<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
	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			**7.0**	<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
	01/18/22			**22**	<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
	05/10/22			**55**	<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
	08/08/22			**5.7**	<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
	11/10/22			**1.7**	<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
	01/18/22			**1,373**	**460**	**1,900**	<0.078	<0.25	**0.069**	**0.26**	<0.058	<0.25	**0.090**	**0.39**	**0.12**	**0.52**	<0.28	<1.0
	05/10/22			**373**	**160**	**640**	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.28	<1.0
	08/08/22			**53**	**78**	**320**	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.28	<1.0
	11/10/22			**275**	**100**	**420**	<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

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	02/18/20		8015 & 8260B	**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
	10/18/21			**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
	01/18/22			**796**	**210**	**840**	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.28	<1.0
	05/10/22			**754**	**190**	**790**	<0.078	<0.25	<0.066	<0.25	**0.092**	**0.40**	<0.058	<0.25	**0.16**	**0.70**	<0.28	<1.0
	08/08/22			**420**	**190**	**770**	<0.078	<0.25	<0.066	<0.25	**0.064**	**0.28**	<0.058	<0.25	**0.14**	**0.60**	<0.28	<1.0
	11/10/22			**281**	**110**	**470**	<0.078	<0.25	<0.066	<0.25	**0.060**	**0.26**	<0.058	<0.25	**0.12**	**0.52**	<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

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-37	08/10/15		8015 & 8260B	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
	07/27/17			--	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

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-22	09/07/17		8015 & 8260B	**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
RW-24	08/16/17	5		**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
	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
RW-26	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
	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
RW-28	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
	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
RW-29	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
	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
RW-30	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
	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
RW-31	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
	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
RW-32	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
	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
RW-33	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
	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

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-47	06/27/18	4	8015 & 8260B	**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
RW-48	06/27/18	4		**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)
10/01/22	*		23,985.3	--	--	--	--	--	--	--
10/02/22	*		24,009.7	--	--	--	--	--	--	--
10/03/22	*		24,034.1	--	--	--	--	--	--	--
10/04/22	*		24,058.5	--	--	--	--	--	--	--
10/05/22	*		24,082.8	--	--	--	--	--	--	--
10/06/22	Technician		24,107.2	19	268	136	15	9.5	16	120
10/07/22	*		24,130.9	--	--	--	--	--	--	--
10/08/22	*		24,154.6	--	--	--	--	--	--	--
10/09/22	*		24,178.2	--	--	--	--	--	--	--
10/10/22	*		24,201.9	--	--	--	--	--	--	--
10/11/22	Technician		24,225.6	19	260	130	15	8.5	15	119
10/12/22	Technician		24,249.4	--	--	--	--	--	--	--
10/13/22	*		24,273.2	--	--	--	--	--	--	--
10/14/22	*		24,296.9	--	--	--	--	--	--	--
10/15/22	*		24,320.7	--	--	--	--	--	--	--
10/16/22	*		24,344.5	--	--	--	--	--	--	--
10/17/22	*		24,368.3	--	--	--	--	--	--	--
10/18/22	*		24,392.0	--	--	--	--	--	--	--
10/19/22	*		24,415.8	--	--	--	--	--	--	--
10/20/22	Technician		24,439.6	17	245	126	13	8.0	14	116
10/21/22	*		24,462.6	--	--	--	--	--	--	--
10/22/22	*		24,485.6	--	--	--	--	--	--	--
10/23/22	*		24,508.6	--	--	--	--	--	--	--
10/24/22	*		24,531.6	--	--	--	--	--	--	--
10/25/22	*		24,554.6	--	--	--	--	--	--	--
10/26/22	*		24,577.6	--	--	--	--	--	--	--
10/27/22	Technician		24,600.6	13	245	138	11	7.8	11	125
10/28/22	*		24,626.6	--	--	--	--	--	--	--
10/29/22	*		24,652.7	--	--	--	--	--	--	--
10/30/22	*		24,678.7	--	--	--	--	--	--	--
10/31/22	*		24,704.7	--	--	--	--	--	--	--

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-29, -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-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)
11/01/22	*		24,721.5	--	--	--	--	--	--	--
11/02/22	*		24,745.6	--	--	--	--	--	--	--
11/03/22	*		24,769.8	--	--	--	--	--	--	--
11/04/22	*		24,794.0	--	--	--	--	--	--	--
11/05/22	*		24,818.1	--	--	--	--	--	--	--
11/06/22	*		24,842.3	--	--	--	--	--	--	--
11/07/22	*		24,866.5	--	--	--	--	--	--	--
11/08/22	*		24,890.7	--	--	--	--	--	--	--
11/09/22	*		24,914.8	--	--	--	--	--	--	--
11/10/22	Technician		24,939.0	18	260	132	13	6.0	13.0	115
11/11/22	*		24,938.9	--	--	--	--	--	--	--
11/12/22	*		24,961.5	--	--	--	--	--	--	--
11/13/22	*		24,984.0	--	--	--	--	--	--	--
11/14/22	*		25,006.6	--	--	--	--	--	--	--
11/15/22	*		25,029.1	--	--	--	--	--	--	--
11/16/22	*		25,051.7	--	--	--	--	--	--	--
11/17/22	*		25,074.2	--	--	--	--	--	--	--
11/18/22	*		25,096.8	--	--	--	--	--	--	--
11/19/22	*		25,119.3	--	--	--	--	--	--	--
11/20/22	*		25,141.9	--	--	--	--	--	--	--
11/21/22	*		25,164.5	--	--	--	--	--	--	--
11/22/22	*		25,187.0	--	--	--	--	--	--	--
11/23/22	*		25,209.6	--	--	--	--	--	--	--
11/24/22	*		25,232.1	--	--	--	--	--	--	--
11/25/22	*		25,254.7	--	--	--	--	--	--	--
11/26/22	*		25,277.2	--	--	--	--	--	--	--
11/27/22	*		25,299.8	--	--	--	--	--	--	--
11/28/22	*		25,322.3	--	--	--	--	--	--	--
11/29/22	*		25,344.9	--	--	--	--	--	--	--
11/30/22	*		25,367.4	--	--	--	--	--	--	--

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-29, -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-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)
12/01/22	Technician		25,390.0	16	230	120	16	5.0	16	107
12/02/22	*		25,423.7	--	--	--	--	--	--	--
12/03/22	*		25,457.4	--	--	--	--	--	--	--
12/04/22	*		25,491.0	--	--	--	--	--	--	--
12/05/22	*		25,524.7	--	--	--	--	--	--	--
12/06/22	Technician		25,558.4	18	265	136	16	7.5	16	110
12/07/22	*		25,582.7	--	--	--	--	--	--	--
12/08/22	*		25,607.0	--	--	--	--	--	--	--
12/09/22	*		25,631.3	--	--	--	--	--	--	--
12/10/22	*		25,655.6	--	--	--	--	--	--	--
12/11/22	*		25,679.9	--	--	--	--	--	--	--
12/12/22	*		25,704.1	--	--	--	--	--	--	--
12/13/22	*		25,728.4	--	--	--	--	--	--	--
12/14/22	*		25,752.7	--	--	--	--	--	--	--
12/15/22	*		25,777.0	--	--	--	--	--	--	--
12/16/22	Technician	1	25,801.3	20	290	160	17	10.0	13	125
12/17/22	Offline		25,801.3	--	--	--	--	--	--	--
12/18/22	Offline		25,801.3	--	--	--	--	--	--	--
12/19/22	Offline		25,801.3	--	--	--	--	--	--	--
12/20/22	Offline		25,801.3	--	--	--	--	--	--	--
12/21/22	Offline		25,801.3	--	--	--	--	--	--	--
12/22/22	Offline		25,801.3	--	--	--	--	--	--	--
12/23/22	Offline		25,801.3	--	--	--	--	--	--	--
12/24/22	Offline		25,801.3	--	--	--	--	--	--	--
12/25/22	Offline		25,801.3	--	--	--	--	--	--	--
12/26/22	Offline		25,801.3	--	--	--	--	--	--	--
12/27/22	Offline		25,801.3	--	--	--	--	--	--	--
12/28/22	Offline		25,801.3	--	--	--	--	--	--	--
12/29/22	Offline		25,801.3	--	--	--	--	--	--	--
12/30/22	Offline		25,801.3	--	--	--	--	--	--	--

Legend / Notes:

System operating under SCAQMD Various Locations Permit #G52288

1 = Biosparge system manually shut down in advance of site-wide well temperature survey.

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-29, -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-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

November 23, 2022

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5334735 / 2K10020

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 11/10/22 19:13 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: A5334735
Date Received: 11/10/22
Date Reported: 11/23/22

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
VES Carbon-Influent	2K10020-01	Vapor	5	11/10/22 07:58	11/10/22 19:13
VES Carbon-Effluent	2K10020-02	Vapor	5	11/10/22 07:54	11/10/22 19:13
VOCs Gasoline Range Organics Vapor					
VES Carbon-Influent	2K10020-01	Vapor	5	11/10/22 07:58	11/10/22 19:13
VES Carbon-Effluent	2K10020-02	Vapor	5	11/10/22 07:54	11/10/22 19:13
VOCs in Vapor as Hexane					
VES Carbon-Influent	2K10020-01	Vapor	5	11/10/22 07:58	11/10/22 19:13
VES Carbon-Effluent	2K10020-02	Vapor	5	11/10/22 07:54	11/10/22 19:13

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334735
Project No:	04-NDLA-013	**Date Received:**	11/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/22
Matrix:	Vapor	**Sampled:**	11/10/22
Dilution:	0.5	**Prepared:**	11/11/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	11/11/22

VES Carbon-Influent

2K10020-01 (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	89.5 %	70-140
Dibromofluoromethane	119 %	70-140
Toluene-d8	96.3 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334735
Project No:	04-NDLA-013	**Date Received:**	11/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/22
Matrix:	Vapor	**Sampled:**	11/10/22
Dilution:	0.5	**Prepared:**	11/11/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	11/11/22

VES Carbon-Effluent

2K10020-02 (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	90.0 %	70-140
Dibromofluoromethane	116 %	70-140
Toluene-d8	98.0 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334735
Project No:	04-NDLA-013	**Date Received:**	11/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/22
Matrix:	Vapor	**Sampled:**	11/10/22
Dilution:	1	**Prepared:**	11/11/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	11/11/22

VES Carbon-Influent

2K10020-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**74**	ug/L	20	**18**	ppmv	4.9

Surrogates	**%REC**	**%REC Limits**
a,a,a-Trifluorotoluene	100 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334735
Project No:	04-NDLA-013	**Date Received:**	11/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/22
Matrix:	Vapor	**Sampled:**	11/10/22
Dilution:	1	**Prepared:**	11/11/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	11/11/22

VES Carbon-Effluent

2K10020-02 (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	95.8 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334735
Project No:	04-NDLA-013	**Date Received:**	11/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/22
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	11/10/22	11/10/22	
Date Prepared:	11/11/22	11/11/22	
Date Analyzed:	11/11/22	11/11/22	
AA ID No:	2K10020-01	2K10020-02	
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	**13**	<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: A5334735
Date Received: 11/10/22
Date Reported: 11/23/22

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 B2K1103 - *** DEFAULT PREP ****										
Blank (B2K1103-BLK1)				Prepared & Analyzed: 11/11/22						
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	*44.6*		*ug/L*	*50.0*		*89.2*	*70-140*			
Surrogate: Dibromofluoromethane	*58.6*		*ug/L*	*50.0*		*117*	*70-140*			
Surrogate: Toluene-d8	*49.3*		*ug/L*	*50.0*		*98.7*	*70-140*			
LCS (B2K1103-BS1)				Prepared & Analyzed: 11/11/22						
Benzene	**21.4**	0.50	ug/L	20.0		107	75-125			
Ethylbenzene	**19.0**	0.50	ug/L	20.0		94.9	75-125			
Methyl-tert-Butyl Ether (MTBE)	**31.7**	2.0	ug/L	40.0		79.3	75-125			
Toluene	**18.7**	0.50	ug/L	20.0		93.5	75-125			
o-Xylene	**20.2**	0.50	ug/L	20.0		101	75-125			
m,p-Xylenes	**40.4**	1.0	ug/L	40.0		101	75-125			
Surrogate: 4-Bromofluorobenzene	*46.5*		*ug/L*	*50.0*		*93.0*	*70-140*			
Surrogate: Dibromofluoromethane	*53.8*		*ug/L*	*50.0*		*108*	*70-140*			
Surrogate: Toluene-d8	*50.4*		*ug/L*	*50.0*		*101*	*70-140*			
LCS Dup (B2K1103-BSD1)				Prepared & Analyzed: 11/11/22						
Benzene	**23.9**	0.50	ug/L	20.0		120	75-125	10.8	30	
Ethylbenzene	**19.7**	0.50	ug/L	20.0		98.6	75-125	3.87	30	
Methyl-tert-Butyl Ether (MTBE)	**36.8**	2.0	ug/L	40.0		92.0	75-125	14.8	30	
Toluene	**19.7**	0.50	ug/L	20.0		98.6	75-125	5.31	30	
o-Xylene	**21.5**	0.50	ug/L	20.0		107	75-125	6.24	30	
m,p-Xylenes	**42.1**	1.0	ug/L	40.0		105	75-125	4.22	30	
Surrogate: 4-Bromofluorobenzene	*47.5*		*ug/L*	*50.0*		*94.9*	*70-140*			
Surrogate: Dibromofluoromethane	*56.0*		*ug/L*	*50.0*		*112*	*70-140*			
Surrogate: Toluene-d8	*49.9*		*ug/L*	*50.0*		*99.8*	*70-140*			
Duplicate (B2K1103-DUP1)				**Source: 2K10019-01** Prepared & Analyzed: 11/11/22						

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: A5334735
Date Received: 11/10/22
Date Reported: 11/23/22

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 B2K1103 - *** DEFAULT PREP ****										
Duplicate (B2K1103-DUP1) Continued			**Source: 2K10019-01**	Prepared & Analyzed: 11/11/22						
Benzene	**1.44**	0.25	ug/L		1.32			7.97	30	
Ethylbenzene	**0.625**	0.25	ug/L		0.515			19.3	30	
Methyl-tert-Butyl Ether (MTBE)	**<1.0**	1.0	ug/L						30	
Toluene	**0.365**	0.25	ug/L		0.370			1.36	30	
o-Xylene	**0.595**	0.25	ug/L		0.535			10.6	30	
m,p-Xylenes	**1.99**	0.50	ug/L		1.58			23.3	30	
Surrogate: 4-Bromofluorobenzene	*44.5*		*ug/L*	*50.0*		*88.9*	*70-140*			
Surrogate: Dibromofluoromethane	*62.3*		*ug/L*	*50.0*		*125*	*70-140*			
Surrogate: Toluene-d8	*46.4*		*ug/L*	*50.0*		*92.7*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B2K1101 - *** DEFAULT PREP ****										
Blank (B2K1101-BLK1)				Prepared & Analyzed: 11/11/22						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*41.8*		*ug/L*	*50.0*		*83.6*	*70-130*			
LCS (B2K1101-BS1)				Prepared & Analyzed: 11/11/22						
Gasoline Range Organics (GRO)	**495**	20	ug/L	500		98.9	75-125			
Surrogate: a,a,a-Trifluorotoluene	*57.2*		*ug/L*	*50.0*		*114*	*70-130*			
LCS Dup (B2K1101-BSD1)				Prepared & Analyzed: 11/11/22						
Gasoline Range Organics (GRO)	**591**	20	ug/L	500		118	75-125	17.8	30	
Surrogate: a,a,a-Trifluorotoluene	*57.6*		*ug/L*	*50.0*		*115*	*70-130*			
Duplicate (B2K1101-DUP1)			**Source: 2K10023-01**	Prepared & Analyzed: 11/11/22						
Gasoline Range Organics (GRO)	**578**	100	ug/L		737			24.2	30	
Surrogate: a,a,a-Trifluorotoluene	*52.9*		*ug/L*	*50.0*		*106*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B2K1101 - *** DEFAULT PREP ****										
Blank (B2K1101-BLK1)				Prepared & Analyzed: 11/11/22						
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B2K1101-DUP1)			**Source: 2K10023-01**	Prepared & Analyzed: 11/11/22						

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: A5334735
Date Received: 11/10/22
Date Reported: 11/23/22

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor as Hexane - Quality Control										
*Batch B2K1101 - *** DEFAULT PREP ****										
Duplicate (B2K1101-DUP1) Continued				**Source: 2K10023-01**	Prepared & Analyzed: 11/11/22					
Total VOCs as Hexane	**104**	24	ppmv		133			24.3	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334735
Project No:	04-NDLA-013	**Date Received:**	11/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/22

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

25675

Client: The Source Group, Inc.	**Project Name / No.:** DFSP - Norwalk / 091-NOR-001	**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 Carbon-Influent	2K10020 -01	11-10-22	0758	Air	1	✓	✓	✓								*VOC's reported as
VES Carbon-Effluent	-02	"	0754	Air	1	✓	✓	✓								GRO (detection limit
																= 4.9 ppmv) and
																*VOCs as Hexane
																(detection limit =
																4.9 ppmv)
																*Benzene (detection
																limit = 0.10 ppmv)

PRIORITY
SH ✓
Rush ___ Hrs
Date 11/11/22 Time 08:00 Sign ___

A5334735/2K10020

'22 NOV 10 14:13

Relinquished by	Date	Time	Received by
Glenn Androsko	11-10-22	14:32	[signature]
[signature]	11-10-22	19:13	[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 23, 2022

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5334737 / 2K10022

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 11/10/22 19:13 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: A5334737
Date Received: 11/10/22
Date Reported: 11/23/22

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
VES After GAC-1	2K10022-01	Vapor	5	11/10/22 07:57	11/10/22 19:13
VES After GAC-2	2K10022-02	Vapor	5	11/10/22 07:56	11/10/22 19:13
VOCs Gasoline Range Organics Vapor					
VES After GAC-1	2K10022-01	Vapor	5	11/10/22 07:57	11/10/22 19:13
VES After GAC-2	2K10022-02	Vapor	5	11/10/22 07:56	11/10/22 19:13
VOCs in Vapor as Hexane					
VES After GAC-1	2K10022-01	Vapor	5	11/10/22 07:57	11/10/22 19:13
VES After GAC-2	2K10022-02	Vapor	5	11/10/22 07:56	11/10/22 19:13

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334737
Project No:	04-NDLA-013	**Date Received:**	11/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/22
Matrix:	Vapor	**Sampled:**	11/10/22
Dilution:	0.5	**Prepared:**	11/11/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	11/11/22

VES After GAC-1

2K10022-01 (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	89.0 %	70-140
Dibromofluoromethane	122 %	70-140
Toluene-d8	98.9 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334737
Project No:	04-NDLA-013	**Date Received:**	11/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/22
Matrix:	Vapor	**Sampled:**	11/10/22
Dilution:	0.5	**Prepared:**	11/11/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	11/11/22

VES After GAC-2

2K10022-02 (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	89.2 %	70-140
Dibromofluoromethane	121 %	70-140
Toluene-d8	99.4 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334737
Project No:	04-NDLA-013	**Date Received:**	11/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/22
Matrix:	Vapor	**Sampled:**	11/10/22
Dilution:	1	**Prepared:**	11/11/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	11/11/22

VES After GAC-1

2K10022-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**22**	ug/L	20	**5.4**	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	95.1 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334737
Project No:	04-NDLA-013	**Date Received:**	11/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/22
Matrix:	Vapor	**Sampled:**	11/10/22
Dilution:	1	**Prepared:**	11/11/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	11/11/22

VES After GAC-2

2K10022-02 (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	91.8 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334737
Project No:	04-NDLA-013	**Date Received:**	11/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/22
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	11/10/22	11/10/22	
Date Prepared:	11/11/22	11/11/22	
Date Analyzed:	11/11/22	11/11/22	
AA ID No:	2K10022-01	2K10022-02	
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: A5334737
Date Received: 11/10/22
Date Reported: 11/23/22

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 B2K1103 - *** DEFAULT PREP ****										
Blank (B2K1103-BLK1)				Prepared & Analyzed: 11/11/22						
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	*44.6*		*ug/L*	*50.0*		*89.2*	*70-140*			
Surrogate: Dibromofluoromethane	*58.6*		*ug/L*	*50.0*		*117*	*70-140*			
Surrogate: Toluene-d8	*49.3*		*ug/L*	*50.0*		*98.7*	*70-140*			
LCS (B2K1103-BS1)				Prepared & Analyzed: 11/11/22						
Benzene	**21.4**	0.50	ug/L	20.0		107	75-125			
Ethylbenzene	**19.0**	0.50	ug/L	20.0		94.9	75-125			
Methyl-tert-Butyl Ether (MTBE)	**31.7**	2.0	ug/L	40.0		79.3	75-125			
Toluene	**18.7**	0.50	ug/L	20.0		93.5	75-125			
o-Xylene	**20.2**	0.50	ug/L	20.0		101	75-125			
m,p-Xylenes	**40.4**	1.0	ug/L	40.0		101	75-125			
Surrogate: 4-Bromofluorobenzene	*46.5*		*ug/L*	*50.0*		*93.0*	*70-140*			
Surrogate: Dibromofluoromethane	*53.8*		*ug/L*	*50.0*		*108*	*70-140*			
Surrogate: Toluene-d8	*50.4*		*ug/L*	*50.0*		*101*	*70-140*			
LCS Dup (B2K1103-BSD1)				Prepared & Analyzed: 11/11/22						
Benzene	**23.9**	0.50	ug/L	20.0		120	75-125	10.8	30	
Ethylbenzene	**19.7**	0.50	ug/L	20.0		98.6	75-125	3.87	30	
Methyl-tert-Butyl Ether (MTBE)	**36.8**	2.0	ug/L	40.0		92.0	75-125	14.8	30	
Toluene	**19.7**	0.50	ug/L	20.0		98.6	75-125	5.31	30	
o-Xylene	**21.5**	0.50	ug/L	20.0		107	75-125	6.24	30	
m,p-Xylenes	**42.1**	1.0	ug/L	40.0		105	75-125	4.22	30	
Surrogate: 4-Bromofluorobenzene	*47.5*		*ug/L*	*50.0*		*94.9*	*70-140*			
Surrogate: Dibromofluoromethane	*56.0*		*ug/L*	*50.0*		*112*	*70-140*			
Surrogate: Toluene-d8	*49.9*		*ug/L*	*50.0*		*99.8*	*70-140*			
Duplicate (B2K1103-DUP1)				**Source: 2K10019-01** Prepared & Analyzed: 11/11/22						

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: A5334737
Date Received: 11/10/22
Date Reported: 11/23/22

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 B2K1103 - *** DEFAULT PREP ****										
Duplicate (B2K1103-DUP1) Continued			**Source: 2K10019-01**	Prepared & Analyzed: 11/11/22						
Benzene	**1.44**	0.25	ug/L		1.32			7.97	30	
Ethylbenzene	**0.625**	0.25	ug/L		0.515			19.3	30	
Methyl-tert-Butyl Ether (MTBE)	**<1.0**	1.0	ug/L						30	
Toluene	**0.365**	0.25	ug/L		0.370			1.36	30	
o-Xylene	**0.595**	0.25	ug/L		0.535			10.6	30	
m,p-Xylenes	**1.99**	0.50	ug/L		1.58			23.3	30	
Surrogate: 4-Bromofluorobenzene	*44.5*		*ug/L*	*50.0*		*88.9*	*70-140*			
Surrogate: Dibromofluoromethane	*62.3*		*ug/L*	*50.0*		*125*	*70-140*			
Surrogate: Toluene-d8	*46.4*		*ug/L*	*50.0*		*92.7*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B2K1101 - *** DEFAULT PREP ****										
Blank (B2K1101-BLK1)				Prepared & Analyzed: 11/11/22						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*41.8*		*ug/L*	*50.0*		*83.6*	*70-130*			
LCS (B2K1101-BS1)				Prepared & Analyzed: 11/11/22						
Gasoline Range Organics (GRO)	**495**	20	ug/L	500		98.9	75-125			
Surrogate: a,a,a-Trifluorotoluene	*57.2*		*ug/L*	*50.0*		*114*	*70-130*			
LCS Dup (B2K1101-BSD1)				Prepared & Analyzed: 11/11/22						
Gasoline Range Organics (GRO)	**591**	20	ug/L	500		118	75-125	17.8	30	
Surrogate: a,a,a-Trifluorotoluene	*57.6*		*ug/L*	*50.0*		*115*	*70-130*			
Duplicate (B2K1101-DUP1)			**Source: 2K10023-01**	Prepared & Analyzed: 11/11/22						
Gasoline Range Organics (GRO)	**578**	100	ug/L		737			24.2	30	
Surrogate: a,a,a-Trifluorotoluene	*52.9*		*ug/L*	*50.0*		*106*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B2K1101 - *** DEFAULT PREP ****										
Blank (B2K1101-BLK1)				Prepared & Analyzed: 11/11/22						
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B2K1101-DUP1)			**Source: 2K10023-01**	Prepared & Analyzed: 11/11/22						

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: A5334737
Date Received: 11/10/22
Date Reported: 11/23/22

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor as Hexane - Quality Control										
*Batch B2K1101 - *** DEFAULT PREP ****										
Duplicate (B2K1101-DUP1) Continued			**Source: 2K10023-01**	Prepared & Analyzed: 11/11/22						
Total VOCs as Hexane	**104**	24	ppmv		133			24.3	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334737
Project No:	04-NDLA-013	**Date Received:**	11/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/22

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

25677

Client: The Source Group, Inc.	**Project Name / No.:** DFSP - Norwalk / 091-NOR-001	**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	2K10022 -01	11-10-22	0757	Air	1	✓	✓	✓								*VOCs reported as GRO (detection limit = 4.9 ppmv) and *VOCs as Hexane (detection limit = 4.9 ppmv) *Benzene (detection limit = 0.10 ppmv)
VES After GAC-2	-02	"	0756	Air	1	✓	✓	✓								

PRIORITY SH Rush Hrs Date 11/11/22 Time 0900 Sign

A5334737/2K10022

Relinquished by	Date	Time	Received by
Glenn Androsko	11-10-22	14:32	[signature]
[signature]	11-10-22	19:13	[signature]

'22 NOV 10 19:13

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

AMERICAN ANALYTICS

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

January 11, 2023

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5334795 / 2L15001

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 12/15/22 11:07 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: A5334795
Date Received: 12/15/22
Date Reported: 01/11/23

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
VES After GAC-1	2L15001-01	Vapor	5	12/14/22 14:52	12/15/22 11:07
VES After GAC-2	2L15001-02	Vapor	5	12/14/22 14:51	12/15/22 11:07
VOCs Gasoline Range Organics Vapor					
VES After GAC-1	2L15001-01	Vapor	5	12/14/22 14:52	12/15/22 11:07
VES After GAC-2	2L15001-02	Vapor	5	12/14/22 14:51	12/15/22 11:07
VOCs in Vapor as Hexane					
VES After GAC-1	2L15001-01	Vapor	5	12/14/22 14:52	12/15/22 11:07
VES After GAC-2	2L15001-02	Vapor	5	12/14/22 14:51	12/15/22 11:07

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334795
Project No:	04-NDLA-013	**Date Received:**	12/15/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/11/23
Matrix:	Vapor	**Sampled:**	12/14/22
Dilution:	0.5	**Prepared:**	12/16/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	12/17/22

VES After GAC-1

2L15001-01 (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	113 %	70-140
Dibromofluoromethane	97.2 %	70-140
Toluene-d8	108 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334795
Project No:	04-NDLA-013	**Date Received:**	12/15/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/11/23
Matrix:	Vapor	**Sampled:**	12/14/22
Dilution:	0.5	**Prepared:**	12/16/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	12/17/22

VES After GAC-2

2L15001-02 (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	111 %	70-140
Dibromofluoromethane	106 %	70-140
Toluene-d8	104 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334795
Project No:	04-NDLA-013	**Date Received:**	12/15/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/11/23
Matrix:	Vapor	**Sampled:**	12/14/22
Dilution:	1	**Prepared:**	12/15/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	12/15/22

VES After GAC-1

2L15001-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**33**	ug/L	20	**8.1**	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	84.4 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334795
Project No:	04-NDLA-013	**Date Received:**	12/15/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/11/23
Matrix:	Vapor	**Sampled:**	12/14/22
Dilution:	1	**Prepared:**	12/15/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	12/15/22

VES After GAC-2

2L15001-02 (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	88.5 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334795
Project No:	04-NDLA-013	**Date Received:**	12/15/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/11/23
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	12/14/22	12/14/22	
Date Prepared:	12/15/22	12/15/22	
Date Analyzed:	12/15/22	12/15/22	
AA ID No:	2L15001-01	2L15001-02	
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	**7.1**	<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: A5334795
Date Received: 12/15/22
Date Reported: 01/11/23

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 B2L1602 - *** DEFAULT PREP ****										
Blank (B2L1602-BLK1)				Prepared: 12/16/22 Analyzed: 12/17/22						
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	*60.3*		*ug/L*	*50.0*		*121*	*70-140*			
Surrogate: Dibromofluoromethane	*52.7*		*ug/L*	*50.0*		*105*	*70-140*			
Surrogate: Toluene-d8	*55.0*		*ug/L*	*50.0*		*110*	*70-140*			
LCS (B2L1602-BS1)				Prepared: 12/16/22 Analyzed: 12/17/22						
Benzene	**18.4**	0.50	ug/L	20.0		92.0	75-125			
Ethylbenzene	**18.0**	0.50	ug/L	20.0		89.8	75-125			
Methyl-tert-Butyl Ether (MTBE)	**31.1**	2.0	ug/L	40.0		77.8	75-125			
Toluene	**18.6**	0.50	ug/L	20.0		92.9	75-125			
o-Xylene	**18.4**	0.50	ug/L	20.0		91.8	75-125			
m,p-Xylenes	**36.0**	1.0	ug/L	40.0		89.9	75-125			
Surrogate: 4-Bromofluorobenzene	*52.0*		*ug/L*	*50.0*		*104*	*70-140*			
Surrogate: Dibromofluoromethane	*46.7*		*ug/L*	*50.0*		*93.3*	*70-140*			
Surrogate: Toluene-d8	*51.2*		*ug/L*	*50.0*		*102*	*70-140*			
LCS Dup (B2L1602-BSD1)				Prepared: 12/16/22 Analyzed: 12/17/22						
Benzene	**21.6**	0.50	ug/L	20.0		108	75-125	15.8	30	
Ethylbenzene	**21.6**	0.50	ug/L	20.0		108	75-125	18.3	30	
Methyl-tert-Butyl Ether (MTBE)	**38.2**	2.0	ug/L	40.0		95.4	75-125	20.4	30	
Toluene	**22.5**	0.50	ug/L	20.0		112	75-125	19.0	30	
o-Xylene	**21.9**	0.50	ug/L	20.0		109	75-125	17.5	30	
m,p-Xylenes	**41.4**	1.0	ug/L	40.0		104	75-125	14.2	30	
Surrogate: 4-Bromofluorobenzene	*51.1*		*ug/L*	*50.0*		*102*	*70-140*			
Surrogate: Dibromofluoromethane	*46.1*		*ug/L*	*50.0*		*92.2*	*70-140*			
Surrogate: Toluene-d8	*51.9*		*ug/L*	*50.0*		*104*	*70-140*			
Duplicate (B2L1602-DUP1)				**Source: 2L15001-01** Prepared: 12/16/22 Analyzed: 12/17/22						

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: A5334795
Date Received: 12/15/22
Date Reported: 01/11/23

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 B2L1602 - *** DEFAULT PREP ****										
Duplicate (B2L1602-DUP1) Continued			**Source: 2L15001-01**	Prepared: 12/16/22			Analyzed: 12/17/22			
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	*58.0*		*ug/L*	*50.0*		*116*	*70-140*			
Surrogate: Dibromofluoromethane	*53.6*		*ug/L*	*50.0*		*107*	*70-140*			
Surrogate: Toluene-d8	*53.0*		*ug/L*	*50.0*		*106*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B2L1516 - *** DEFAULT PREP ****										
Blank (B2L1516-BLK1)				Prepared & Analyzed: 12/15/22						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*44.6*		*ug/L*	*50.0*		*89.2*	*70-130*			
LCS (B2L1516-BS1)				Prepared & Analyzed: 12/15/22						
Gasoline Range Organics (GRO)	**484**	20	ug/L	500		96.7	75-125			
Surrogate: a,a,a-Trifluorotoluene	*44.9*		*ug/L*	*50.0*		*89.9*	*70-130*			
LCS Dup (B2L1516-BSD1)				Prepared & Analyzed: 12/15/22						
Gasoline Range Organics (GRO)	**549**	20	ug/L	500		110	75-125	12.7	30	
Surrogate: a,a,a-Trifluorotoluene	*52.3*		*ug/L*	*50.0*		*105*	*70-130*			
Duplicate (B2L1516-DUP1)			**Source: 2L15003-01**	Prepared & Analyzed: 12/15/22						
Gasoline Range Organics (GRO)	**1280**	20	ug/L		1230			4.12	30	
Surrogate: a,a,a-Trifluorotoluene	*54.6*		*ug/L*	*50.0*		*109*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B2L1516 - *** DEFAULT PREP ****										
Blank (B2L1516-BLK1)				Prepared & Analyzed: 12/15/22						
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B2L1516-DUP1)			**Source: 2L15003-01**	Prepared & Analyzed: 12/15/22						

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: A5334795
Date Received: 12/15/22
Date Reported: 01/11/23

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor as Hexane - Quality Control										
*Batch B2L1516 - *** DEFAULT PREP ****										
Duplicate (B2L1516-DUP1) Continued		**Source: 2L15003-01**	Prepared & Analyzed: 12/15/22							
Total VOCs as Hexane	**282**	4.9	ppmv		270			4.44	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334795
Project No:	04-NDLA-013	**Date Received:**	12/15/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/11/23

Special Notes

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

25909

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 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.	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 After GAC-1	2L15001-01	12-14-22	1452	Air	1	✓	✓	✓							*VOCs reported as GRO (detection limit = 4.9 ppmv) and *VOCs as Hexane (detection limit = 4.9 ppmv) *Benzene (detection limit = 0.10 ppmv)
VES After GAC-2	-02	"	1451	Air	1	✓	✓	✓							

PRIORITY
Date 12/15/22 Time 1230 Sign

'22 DEC 15 11:07

AS334795/2L15001

	Relinquished by	Date	Time	Received by
	Glenn Androsko	12-15-22	9:30	
	Relinquished by	Date	Time	Received by
		12/15/22	11:07	
	Relinquished by	Date	Time	Received by

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

AMERICAN ANALYTICS

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

January 11, 2023

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5334796 / 2L15002

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 12/15/22 11:07 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: A5334796
Date Received: 12/15/22
Date Reported: 01/11/23

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
VES Carbon-Influent	2L15002-01	Vapor	5	12/14/22 14:53	12/15/22 11:07
VES Carbon-Effluent	2L15002-02	Vapor	5	12/14/22 14:49	12/15/22 11:07
VOCs Gasoline Range Organics Vapor					
VES Carbon-Influent	2L15002-01	Vapor	5	12/14/22 14:53	12/15/22 11:07
VES Carbon-Effluent	2L15002-02	Vapor	5	12/14/22 14:49	12/15/22 11:07
VOCs in Vapor as Hexane					
VES Carbon-Influent	2L15002-01	Vapor	5	12/14/22 14:53	12/15/22 11:07
VES Carbon-Effluent	2L15002-02	Vapor	5	12/14/22 14:49	12/15/22 11:07

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334796
Project No:	04-NDLA-013	**Date Received:**	12/15/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/11/23
Matrix:	Vapor	**Sampled:**	12/14/22
Dilution:	0.5	**Prepared:**	12/16/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	12/17/22

VES Carbon-Influent

2L15002-01 (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	115 %	70-140
Dibromofluoromethane	107 %	70-140
Toluene-d8	105 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334796
Project No:	04-NDLA-013	**Date Received:**	12/15/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/11/23
Matrix:	Vapor	**Sampled:**	12/14/22
Dilution:	0.5	**Prepared:**	12/16/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	12/17/22

VES Carbon-Effluent

2L15002-02 (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	107 %	70-140
Dibromofluoromethane	95.5 %	70-140
Toluene-d8	109 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334796
Project No:	04-NDLA-013	**Date Received:**	12/15/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/11/23
Matrix:	Vapor	**Sampled:**	12/14/22
Dilution:	1	**Prepared:**	12/15/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	12/15/22

VES Carbon-Influent

2L15002-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**25**	ug/L	20	**6.1**	ppmv	4.9

Surrogates	**%REC**	**%REC Limits**
a,a,a-Trifluorotoluene	83.1 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334796
Project No:	04-NDLA-013	**Date Received:**	12/15/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/11/23
Matrix:	Vapor	**Sampled:**	12/14/22
Dilution:	1	**Prepared:**	12/15/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	12/15/22

VES Carbon-Effluent

2L15002-02 (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	90.8 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334796
Project No:	04-NDLA-013	**Date Received:**	12/15/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/11/23
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	12/14/22	12/14/22	
Date Prepared:	12/15/22	12/15/22	
Date Analyzed:	12/15/22	12/15/22	
AA ID No:	2L15002-01	2L15002-02	
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	**5.5**	<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: A5334796
Date Received: 12/15/22
Date Reported: 01/11/23

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 B2L1602 - *** DEFAULT PREP ****										
Blank (B2L1602-BLK1)				Prepared: 12/16/22 Analyzed: 12/17/22						
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	*60.3*		*ug/L*	*50.0*		*121*	*70-140*			
Surrogate: Dibromofluoromethane	*52.7*		*ug/L*	*50.0*		*105*	*70-140*			
Surrogate: Toluene-d8	*55.0*		*ug/L*	*50.0*		*110*	*70-140*			
LCS (B2L1602-BS1)				Prepared: 12/16/22 Analyzed: 12/17/22						
Benzene	**18.4**	0.50	ug/L	20.0		92.0	75-125			
Ethylbenzene	**18.0**	0.50	ug/L	20.0		89.8	75-125			
Methyl-tert-Butyl Ether (MTBE)	**31.1**	2.0	ug/L	40.0		77.8	75-125			
Toluene	**18.6**	0.50	ug/L	20.0		92.9	75-125			
o-Xylene	**18.4**	0.50	ug/L	20.0		91.8	75-125			
m,p-Xylenes	**36.0**	1.0	ug/L	40.0		89.9	75-125			
Surrogate: 4-Bromofluorobenzene	*52.0*		*ug/L*	*50.0*		*104*	*70-140*			
Surrogate: Dibromofluoromethane	*46.7*		*ug/L*	*50.0*		*93.3*	*70-140*			
Surrogate: Toluene-d8	*51.2*		*ug/L*	*50.0*		*102*	*70-140*			
LCS Dup (B2L1602-BSD1)				Prepared: 12/16/22 Analyzed: 12/17/22						
Benzene	**21.6**	0.50	ug/L	20.0		108	75-125	15.8	30	
Ethylbenzene	**21.6**	0.50	ug/L	20.0		108	75-125	18.3	30	
Methyl-tert-Butyl Ether (MTBE)	**38.2**	2.0	ug/L	40.0		95.4	75-125	20.4	30	
Toluene	**22.5**	0.50	ug/L	20.0		112	75-125	19.0	30	
o-Xylene	**21.9**	0.50	ug/L	20.0		109	75-125	17.5	30	
m,p-Xylenes	**41.4**	1.0	ug/L	40.0		104	75-125	14.2	30	
Surrogate: 4-Bromofluorobenzene	*51.1*		*ug/L*	*50.0*		*102*	*70-140*			
Surrogate: Dibromofluoromethane	*46.1*		*ug/L*	*50.0*		*92.2*	*70-140*			
Surrogate: Toluene-d8	*51.9*		*ug/L*	*50.0*		*104*	*70-140*			
Duplicate (B2L1602-DUP1)				**Source: 2L15001-01** Prepared: 12/16/22 Analyzed: 12/17/22						

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: A5334796
Date Received: 12/15/22
Date Reported: 01/11/23

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 B2L1602 - *** DEFAULT PREP ****										
Duplicate (B2L1602-DUP1) Continued			**Source: 2L15001-01**	Prepared: 12/16/22			Analyzed: 12/17/22			
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	*58.0*		*ug/L*	*50.0*		*116*	*70-140*			
Surrogate: Dibromofluoromethane	*53.6*		*ug/L*	*50.0*		*107*	*70-140*			
Surrogate: Toluene-d8	*53.0*		*ug/L*	*50.0*		*106*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B2L1516 - *** DEFAULT PREP ****										
Blank (B2L1516-BLK1)				Prepared & Analyzed: 12/15/22						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*44.6*		*ug/L*	*50.0*		*89.2*	*70-130*			
LCS (B2L1516-BS1)				Prepared & Analyzed: 12/15/22						
Gasoline Range Organics (GRO)	**484**	20	ug/L	500		96.7	75-125			
Surrogate: a,a,a-Trifluorotoluene	*44.9*		*ug/L*	*50.0*		*89.9*	*70-130*			
LCS Dup (B2L1516-BSD1)				Prepared & Analyzed: 12/15/22						
Gasoline Range Organics (GRO)	**549**	20	ug/L	500		110	75-125	12.7	30	
Surrogate: a,a,a-Trifluorotoluene	*52.3*		*ug/L*	*50.0*		*105*	*70-130*			
Duplicate (B2L1516-DUP1)			**Source: 2L15003-01**	Prepared & Analyzed: 12/15/22						
Gasoline Range Organics (GRO)	**1280**	20	ug/L		1230			4.12	30	
Surrogate: a,a,a-Trifluorotoluene	*54.6*		*ug/L*	*50.0*		*109*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B2L1516 - *** DEFAULT PREP ****										
Blank (B2L1516-BLK1)				Prepared & Analyzed: 12/15/22						
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B2L1516-DUP1)			**Source: 2L15003-01**	Prepared & Analyzed: 12/15/22						

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: A5334796
Date Received: 12/15/22
Date Reported: 01/11/23

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor as Hexane - Quality Control										
*Batch B2L1516 - *** DEFAULT PREP ****										
Duplicate (B2L1516-DUP1) Continued		**Source: 2L15003-01**		Prepared & Analyzed: 12/15/22						
Total VOCs as Hexane	**282**	4.9	ppmv		270			4.44	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334796
Project No:	04-NDLA-013	**Date Received:**	12/15/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/11/23

Special Notes

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

25910

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 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)

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 Carbon-Influent	2L15002-01	12-14-22	1453	Air	1	✓	✓	✓	*VOC's reported as GRO (detection limit = 4.9 ppmv) and *VOCs as Hexane (detection limit = 4.9 ppmv) *Benzene (detection limit = 0.10 ppmv)
VES Carbon-Effluent	-02	"	1449	Air	1	✓	✓	✓	

PRIORITY
12/15/22 1500

22 DEC 15 11:07

Relinquished by: Glenn Andrasko	Date: 12-15-22	Time: 9:30	Received by:
Relinquished by:	Date: 12/15/22	Time: 11:07	Received by:
Relinquished by:	Date:	Time:	Received by:

AS334796/2L15002

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 02, 2022

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5334710 / 2J26007

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 10/26/22 17:03 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: A5334710
Date Received: 10/26/22
Date Reported: 11/02/22

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
VES Thermox-Influent	2J26007-01	Vapor	5	10/26/22 12:35	10/26/22 17:03
VES Thermox-Effluent	2J26007-02	Vapor	5	10/26/22 12:25	10/26/22 17:03
VOCs Gasoline Range Organics Vapor					
VES Thermox-Influent	2J26007-01	Vapor	5	10/26/22 12:35	10/26/22 17:03
VES Thermox-Effluent	2J26007-02	Vapor	5	10/26/22 12:25	10/26/22 17:03
VOCs in Vapor as Hexane					
VES Thermox-Influent	2J26007-01	Vapor	5	10/26/22 12:35	10/26/22 17:03
VES Thermox-Effluent	2J26007-02	Vapor	5	10/26/22 12:25	10/26/22 17:03

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334710
Project No:	04-NDLA-013	**Date Received:**	10/26/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/02/22
Matrix:	Vapor	**Sampled:**	10/26/22
Dilution:	0.5	**Prepared:**	10/27/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	10/27/22

VES Thermox-Influent

2J26007-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**1.3**	ug/L	0.50	**0.41**	ppmv	0.16
Ethylbenzene	**0.61**	ug/L	0.50	**0.14**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<1.0	ug/L	2.0	<0.28	ppmv	0.55
Toluene	**0.32**	ug/L	0.50	**0.085**	ppmv	0.13
o-Xylene	**0.58**	ug/L	0.50	**0.13**	ppmv	0.12
m,p-Xylenes	**1.6**	ug/L	1.0	**0.37**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	104 %	70-140
Dibromofluoromethane	130 %	70-140
Toluene-d8	94.5 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334710
Project No:	04-NDLA-013	**Date Received:**	10/26/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/02/22
Matrix:	Vapor	**Sampled:**	10/26/22
Dilution:	0.5	**Prepared:**	10/27/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	10/27/22

VES Thermox-Effluent

2J26007-02 (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	105 %	70-140
Toluene-d8	104 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334710
Project No:	04-NDLA-013	**Date Received:**	10/26/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/02/22
Matrix:	Vapor	**Sampled:**	10/26/22
Dilution:	1	**Prepared:**	10/27/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	10/27/22

VES Thermox-Influent

2J26007-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**1500**	ug/L	20	**370**	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	123 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334710
Project No:	04-NDLA-013	**Date Received:**	10/26/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/02/22
Matrix:	Vapor	**Sampled:**	10/26/22
Dilution:	1	**Prepared:**	10/27/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	10/27/22

VES Thermox-Effluent

2J26007-02 (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	94.9 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334710
Project No:	04-NDLA-013	**Date Received:**	10/26/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/02/22
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	10/26/22	10/26/22	
Date Prepared:	10/27/22	10/27/22	
Date Analyzed:	10/27/22	10/27/22	
AA ID No:	2J26007-01	2J26007-02	
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	**270**	<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: A5334710
Date Received: 10/26/22
Date Reported: 11/02/22

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 B2J2703 - *** DEFAULT PREP ****										
Blank (B2J2703-BLK1)				Prepared & Analyzed: 10/27/22						
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	*53.5*		*ug/L*	*50.0*		*107*	*70-140*			
Surrogate: Dibromofluoromethane	*47.5*		*ug/L*	*50.0*		*94.9*	*70-140*			
Surrogate: Toluene-d8	*59.9*		*ug/L*	*50.0*		*120*	*70-140*			
LCS (B2J2703-BS1)				Prepared & Analyzed: 10/27/22						
Benzene	**19.5**	0.50	ug/L	20.0		97.4	75-125			
Ethylbenzene	**21.5**	0.50	ug/L	20.0		108	75-125			
Methyl-tert-Butyl Ether (MTBE)	**34.6**	2.0	ug/L	40.0		86.4	75-125			
Toluene	**23.0**	0.50	ug/L	20.0		115	75-125			
o-Xylene	**22.3**	0.50	ug/L	20.0		112	75-125			
m,p-Xylenes	**45.9**	1.0	ug/L	40.0		115	75-125			
Surrogate: 4-Bromofluorobenzene	*51.0*		*ug/L*	*50.0*		*102*	*70-140*			
Surrogate: Dibromofluoromethane	*48.0*		*ug/L*	*50.0*		*96.1*	*70-140*			
Surrogate: Toluene-d8	*55.8*		*ug/L*	*50.0*		*112*	*70-140*			
LCS Dup (B2J2703-BSD1)				Prepared & Analyzed: 10/27/22						
Benzene	**21.2**	0.50	ug/L	20.0		106	75-125	8.74	30	
Ethylbenzene	**22.4**	0.50	ug/L	20.0		112	75-125	4.06	30	
Methyl-tert-Butyl Ether (MTBE)	**38.0**	2.0	ug/L	40.0		95.0	75-125	9.53	30	
Toluene	**23.4**	0.50	ug/L	20.0		117	75-125	1.51	30	
o-Xylene	**23.1**	0.50	ug/L	20.0		116	75-125	3.61	30	
m,p-Xylenes	**46.6**	1.0	ug/L	40.0		116	75-125	1.38	30	
Surrogate: 4-Bromofluorobenzene	*49.7*		*ug/L*	*50.0*		*99.5*	*70-140*			
Surrogate: Dibromofluoromethane	*49.9*		*ug/L*	*50.0*		*99.9*	*70-140*			
Surrogate: Toluene-d8	*54.0*		*ug/L*	*50.0*		*108*	*70-140*			
Duplicate (B2J2703-DUP1)			**Source: 2J26010-01**	Prepared & Analyzed: 10/27/22						

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: A5334710
Date Received: 10/26/22
Date Reported: 11/02/22

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 B2J2703 - *** DEFAULT PREP ****										
Duplicate (B2J2703-DUP1) Continued			**Source: 2J26010-01**	Prepared & Analyzed: 10/27/22						
Benzene	**<0.050**	0.050	ug/L						30	
Ethylbenzene	**<0.050**	0.050	ug/L						30	
Methyl-tert-Butyl Ether (MTBE)	**<0.20**	0.20	ug/L						30	
Toluene	**<0.050**	0.050	ug/L						30	
o-Xylene	**<0.050**	0.050	ug/L						30	
m,p-Xylenes	**<0.10**	0.10	ug/L						30	
Surrogate: 4-Bromofluorobenzene	*52.1*		*ug/L*	*50.0*		*104*	*70-140*			
Surrogate: Dibromofluoromethane	*48.8*		*ug/L*	*50.0*		*97.7*	*70-140*			
Surrogate: Toluene-d8	*56.9*		*ug/L*	*50.0*		*114*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B2J2701 - *** DEFAULT PREP ****										
Blank (B2J2701-BLK1)				Prepared & Analyzed: 10/27/22						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*44.3*		*ug/L*	*50.0*		*88.6*	*70-130*			
LCS (B2J2701-BS1)				Prepared & Analyzed: 10/27/22						
Gasoline Range Organics (GRO)	**476**	20	ug/L	500		95.2	75-125			
Surrogate: a,a,a-Trifluorotoluene	*57.9*		*ug/L*	*50.0*		*116*	*70-130*			
LCS Dup (B2J2701-BSD1)				Prepared & Analyzed: 10/27/22						
Gasoline Range Organics (GRO)	**558**	20	ug/L	500		112	75-125	15.9	30	
Surrogate: a,a,a-Trifluorotoluene	*62.0*		*ug/L*	*50.0*		*124*	*70-130*			
Duplicate (B2J2701-DUP1)			**Source: 2J26007-01**	Prepared & Analyzed: 10/27/22						
Gasoline Range Organics (GRO)	**1260**	20	ug/L		1500			17.0	30	
Surrogate: a,a,a-Trifluorotoluene	*56.4*		*ug/L*	*50.0*		*113*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B2J2701 - *** DEFAULT PREP ****										
Blank (B2J2701-BLK1)				Prepared & Analyzed: 10/27/22						
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B2J2701-DUP1)			**Source: 2J26007-01**	Prepared & Analyzed: 10/27/22						

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: A5334710
Date Received: 10/26/22
Date Reported: 11/02/22

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor as Hexane - Quality Control										
*Batch B2J2701 - *** DEFAULT PREP ****										
Duplicate (B2J2701-DUP1) Continued			**Source: 2J26007-01**	Prepared & Analyzed: 10/27/22						
Total VOCs as Hexane	**229**	4.9	ppmv		271			17.0	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334710
Project No:	04-NDLA-013	**Date Received:**	10/26/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/02/22

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

25584

Client: The Source Group, Inc.	**Project Name / No.:** DFSP - Norwalk / 091-NOR-001	**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.	AA 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	2526007 -01	10-26-22	1235	Air	1	✓	✓	✓	*VOC's reported as
VES Thermox-Effluent	-02	"	1225	Air	1	✓	✓	✓	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)

PRIORITY Rush Date 10/27/22 0500 SH Sign

A5334710/2526007

Relinquished by	Date	Time	Received by
Glenn Androsko	10-26-22	1403	[signature]
[signature]	10/26/22	1703	[signature]

'22 OCT 26 17:03

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, 2022

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5334734 / 2K10019

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 11/10/22 19:13 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: A5334734
Date Received: 11/10/22
Date Reported: 11/23/22

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
VES Thermox-Influent	2K10019-01	Vapor	5	11/10/22 08:17	11/10/22 19:13
VES Thermox-Effluent	2K10019-02	Vapor	5	11/10/22 08:14	11/10/22 19:13
VOCs Gasoline Range Organics Vapor					
VES Thermox-Influent	2K10019-01	Vapor	5	11/10/22 08:17	11/10/22 19:13
VES Thermox-Effluent	2K10019-02	Vapor	5	11/10/22 08:14	11/10/22 19:13
VOCs in Vapor as Hexane					
VES Thermox-Influent	2K10019-01	Vapor	5	11/10/22 08:17	11/10/22 19:13
VES Thermox-Effluent	2K10019-02	Vapor	5	11/10/22 08:14	11/10/22 19:13

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334734
Project No:	04-NDLA-013	**Date Received:**	11/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/22
Matrix:	Vapor	**Sampled:**	11/10/22
Dilution:	0.5	**Prepared:**	11/11/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	11/11/22

VES Thermox-Influent

2K10019-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**1.3**	ug/L	0.50	**0.41**	ppmv	0.16
Ethylbenzene	**0.52**	ug/L	0.50	**0.12**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<1.0	ug/L	2.0	<0.28	ppmv	0.55
Toluene	**0.37**	ug/L	0.50	**0.098**	ppmv	0.13
o-Xylene	**0.54**	ug/L	0.50	**0.12**	ppmv	0.12
m,p-Xylenes	**1.6**	ug/L	1.0	**0.37**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	88.5 %	70-140
Dibromofluoromethane	124 %	70-140
Toluene-d8	93.6 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334734
Project No:	04-NDLA-013	**Date Received:**	11/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/22
Matrix:	Vapor	**Sampled:**	11/10/22
Dilution:	0.5	**Prepared:**	11/11/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	11/11/22

VES Thermox-Effluent

2K10019-02 (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	90.5 %	70-140
Dibromofluoromethane	120 %	70-140
Toluene-d8	97.3 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334734
Project No:	04-NDLA-013	**Date Received:**	11/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/22
Matrix:	Vapor	**Sampled:**	11/10/22
Dilution:	1	**Prepared:**	11/11/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	11/11/22

VES Thermox-Influent

2K10019-01 (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	118 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334734
Project No:	04-NDLA-013	**Date Received:**	11/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/22
Matrix:	Vapor	**Sampled:**	11/10/22
Dilution:	1	**Prepared:**	11/11/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	11/11/22

VES Thermox-Effluent

2K10019-02 (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	98.4 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334734
Project No:	04-NDLA-013	**Date Received:**	11/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/22
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	11/10/22	11/10/22	
Date Prepared:	11/11/22	11/11/22	
Date Analyzed:	11/11/22	11/11/22	
AA ID No:	2K10019-01	2K10019-02	
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	**210**	<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: A5334734
Date Received: 11/10/22
Date Reported: 11/23/22

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 B2K1103 - *** DEFAULT PREP ****										
Blank (B2K1103-BLK1)				Prepared & Analyzed: 11/11/22						
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	*44.6*		*ug/L*	*50.0*		*89.2*	*70-140*			
Surrogate: Dibromofluoromethane	*58.6*		*ug/L*	*50.0*		*117*	*70-140*			
Surrogate: Toluene-d8	*49.3*		*ug/L*	*50.0*		*98.7*	*70-140*			
LCS (B2K1103-BS1)				Prepared & Analyzed: 11/11/22						
Benzene	**21.4**	0.50	ug/L	20.0		107	75-125			
Ethylbenzene	**19.0**	0.50	ug/L	20.0		94.9	75-125			
Methyl-tert-Butyl Ether (MTBE)	**31.7**	2.0	ug/L	40.0		79.3	75-125			
Toluene	**18.7**	0.50	ug/L	20.0		93.5	75-125			
o-Xylene	**20.2**	0.50	ug/L	20.0		101	75-125			
m,p-Xylenes	**40.4**	1.0	ug/L	40.0		101	75-125			
Surrogate: 4-Bromofluorobenzene	*46.5*		*ug/L*	*50.0*		*93.0*	*70-140*			
Surrogate: Dibromofluoromethane	*53.8*		*ug/L*	*50.0*		*108*	*70-140*			
Surrogate: Toluene-d8	*50.4*		*ug/L*	*50.0*		*101*	*70-140*			
LCS Dup (B2K1103-BSD1)				Prepared & Analyzed: 11/11/22						
Benzene	**23.9**	0.50	ug/L	20.0		120	75-125	10.8	30	
Ethylbenzene	**19.7**	0.50	ug/L	20.0		98.6	75-125	3.87	30	
Methyl-tert-Butyl Ether (MTBE)	**36.8**	2.0	ug/L	40.0		92.0	75-125	14.8	30	
Toluene	**19.7**	0.50	ug/L	20.0		98.6	75-125	5.31	30	
o-Xylene	**21.5**	0.50	ug/L	20.0		107	75-125	6.24	30	
m,p-Xylenes	**42.1**	1.0	ug/L	40.0		105	75-125	4.22	30	
Surrogate: 4-Bromofluorobenzene	*47.5*		*ug/L*	*50.0*		*94.9*	*70-140*			
Surrogate: Dibromofluoromethane	*56.0*		*ug/L*	*50.0*		*112*	*70-140*			
Surrogate: Toluene-d8	*49.9*		*ug/L*	*50.0*		*99.8*	*70-140*			
Duplicate (B2K1103-DUP1)				**Source: 2K10019-01** Prepared & Analyzed: 11/11/22						

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: A5334734
Date Received: 11/10/22
Date Reported: 11/23/22

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 B2K1103 - *** DEFAULT PREP ****										
Duplicate (B2K1103-DUP1) Continued			**Source: 2K10019-01**	Prepared & Analyzed: 11/11/22						
Benzene	**1.44**	0.25	ug/L		1.32			7.97	30	
Ethylbenzene	**0.625**	0.25	ug/L		0.515			19.3	30	
Methyl-tert-Butyl Ether (MTBE)	**<1.0**	1.0	ug/L		<1.0				30	
Toluene	**0.365**	0.25	ug/L		0.370			1.36	30	
o-Xylene	**0.595**	0.25	ug/L		0.535			10.6	30	
m,p-Xylenes	**1.99**	0.50	ug/L		1.58			23.3	30	
Surrogate: 4-Bromofluorobenzene	*44.5*		*ug/L*	*50.0*		*88.9*	*70-140*			
Surrogate: Dibromofluoromethane	*62.3*		*ug/L*	*50.0*		*125*	*70-140*			
Surrogate: Toluene-d8	*46.4*		*ug/L*	*50.0*		*92.7*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B2K1101 - *** DEFAULT PREP ****										
Blank (B2K1101-BLK1)				Prepared & Analyzed: 11/11/22						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*41.8*		*ug/L*	*50.0*		*83.6*	*70-130*			
LCS (B2K1101-BS1)				Prepared & Analyzed: 11/11/22						
Gasoline Range Organics (GRO)	**495**	20	ug/L	500		98.9	75-125			
Surrogate: a,a,a-Trifluorotoluene	*57.2*		*ug/L*	*50.0*		*114*	*70-130*			
LCS Dup (B2K1101-BSD1)				Prepared & Analyzed: 11/11/22						
Gasoline Range Organics (GRO)	**591**	20	ug/L	500		118	75-125	17.8	30	
Surrogate: a,a,a-Trifluorotoluene	*57.6*		*ug/L*	*50.0*		*115*	*70-130*			
Duplicate (B2K1101-DUP1)			**Source: 2K10023-01**	Prepared & Analyzed: 11/11/22						
Gasoline Range Organics (GRO)	**578**	100	ug/L		737			24.2	30	
Surrogate: a,a,a-Trifluorotoluene	*52.9*		*ug/L*	*50.0*		*106*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B2K1101 - *** DEFAULT PREP ****										
Blank (B2K1101-BLK1)				Prepared & Analyzed: 11/11/22						
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B2K1101-DUP1)			**Source: 2K10023-01**	Prepared & Analyzed: 11/11/22						

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: A5334734
Date Received: 11/10/22
Date Reported: 11/23/22

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor as Hexane - Quality Control										
*Batch B2K1101 - *** DEFAULT PREP ****										
Duplicate (B2K1101-DUP1) Continued				**Source: 2K10023-01**	Prepared & Analyzed: 11/11/22					
Total VOCs as Hexane	**104**	24	ppmv		133			24.3	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334734
Project No:	04-NDLA-013	**Date Received:**	11/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/22

Special Notes

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

25674

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 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	2K10019 -01	11-10-22	0817	Air	1	✓	✓	✓								*VOC's reported as
VES Thermox-Effluent	-02	"	0814	Air	1	✓	✓	✓								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)

PRIORITY SH ✓
Rush hrs
Dead 11/11/22 Time 0800 Sign

'22 NOV 10 19:13

A5324734/2K10019

Relinquished by	Date	Time	Received by
Glenn Androsko	11-10-22	14:32	[signature]
[signature]	11-10-22	19:13	[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

January 11, 2023

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5334797 / 2L15003

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 12/15/22 11:06 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: A5334797
Date Received: 12/15/22
Date Reported: 01/11/23

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
VES Thermox-Influent	2L15003-01	Vapor	5	12/14/22 15:27	12/15/22 11:06
VES Thermox-Effluent	2L15003-02	Vapor	5	12/14/22 15:18	12/15/22 11:06
VOCs Gasoline Range Organics Vapor					
VES Thermox-Influent	2L15003-01	Vapor	5	12/14/22 15:27	12/15/22 11:06
VES Thermox-Effluent	2L15003-02	Vapor	5	12/14/22 15:18	12/15/22 11:06
VOCs in Vapor as Hexane					
VES Thermox-Influent	2L15003-01	Vapor	5	12/14/22 15:27	12/15/22 11:06
VES Thermox-Effluent	2L15003-02	Vapor	5	12/14/22 15:18	12/15/22 11:06

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334797
Project No:	04-NDLA-013	**Date Received:**	12/15/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/11/23
Matrix:	Vapor	**Sampled:**	12/14/22
Dilution:	0.5	**Prepared:**	12/16/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	12/17/22

VES Thermox-Influent

2L15003-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**0.89**	ug/L	0.50	**0.28**	ppmv	0.16
Ethylbenzene	**0.66**	ug/L	0.50	**0.15**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<1.0	ug/L	2.0	<0.28	ppmv	0.55
Toluene	**0.28**	ug/L	0.50	**0.074**	ppmv	0.13
o-Xylene	**0.56**	ug/L	0.50	**0.13**	ppmv	0.12
m,p-Xylenes	**1.5**	ug/L	1.0	**0.35**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	102 %	70-140
Dibromofluoromethane	116 %	70-140
Toluene-d8	100 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334797
Project No:	04-NDLA-013	**Date Received:**	12/15/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/11/23
Matrix:	Vapor	**Sampled:**	12/14/22
Dilution:	0.5	**Prepared:**	12/16/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	12/17/22

VES Thermox-Effluent

2L15003-02 (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	117 %	70-140
Dibromofluoromethane	131 %	70-140
Toluene-d8	99.9 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334797
Project No:	04-NDLA-013	**Date Received:**	12/15/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/11/23
Matrix:	Vapor	**Sampled:**	12/14/22
Dilution:	1	**Prepared:**	12/15/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	12/15/22

VES Thermox-Influent

2L15003-01 (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	104 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334797
Project No:	04-NDLA-013	**Date Received:**	12/15/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/11/23
Matrix:	Vapor	**Sampled:**	12/14/22
Dilution:	1	**Prepared:**	12/15/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	12/15/22

VES Thermox-Effluent

2L15003-02 (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	65.6 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334797
Project No:	04-NDLA-013	**Date Received:**	12/15/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/11/23
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	12/14/22	12/14/22	
Date Prepared:	12/15/22	12/15/22	
Date Analyzed:	12/15/22	12/15/22	
AA ID No:	2L15003-01	2L15003-02	
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	**270**	<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: A5334797
Date Received: 12/15/22
Date Reported: 01/11/23

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 B2L1602 - *** DEFAULT PREP ****										
Blank (B2L1602-BLK1)				Prepared: 12/16/22 Analyzed: 12/17/22						
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	*60.3*		*ug/L*	*50.0*		*121*	*70-140*			
Surrogate: Dibromofluoromethane	*52.7*		*ug/L*	*50.0*		*105*	*70-140*			
Surrogate: Toluene-d8	*55.0*		*ug/L*	*50.0*		*110*	*70-140*			
LCS (B2L1602-BS1)				Prepared: 12/16/22 Analyzed: 12/17/22						
Benzene	**18.4**	0.50	ug/L	20.0		92.0	75-125			
Ethylbenzene	**18.0**	0.50	ug/L	20.0		89.8	75-125			
Methyl-tert-Butyl Ether (MTBE)	**31.1**	2.0	ug/L	40.0		77.8	75-125			
Toluene	**18.6**	0.50	ug/L	20.0		92.9	75-125			
o-Xylene	**18.4**	0.50	ug/L	20.0		91.8	75-125			
m,p-Xylenes	**36.0**	1.0	ug/L	40.0		89.9	75-125			
Surrogate: 4-Bromofluorobenzene	*52.0*		*ug/L*	*50.0*		*104*	*70-140*			
Surrogate: Dibromofluoromethane	*46.7*		*ug/L*	*50.0*		*93.3*	*70-140*			
Surrogate: Toluene-d8	*51.2*		*ug/L*	*50.0*		*102*	*70-140*			
LCS Dup (B2L1602-BSD1)				Prepared: 12/16/22 Analyzed: 12/17/22						
Benzene	**21.6**	0.50	ug/L	20.0		108	75-125	15.8	30	
Ethylbenzene	**21.6**	0.50	ug/L	20.0		108	75-125	18.3	30	
Methyl-tert-Butyl Ether (MTBE)	**38.2**	2.0	ug/L	40.0		95.4	75-125	20.4	30	
Toluene	**22.5**	0.50	ug/L	20.0		112	75-125	19.0	30	
o-Xylene	**21.9**	0.50	ug/L	20.0		109	75-125	17.5	30	
m,p-Xylenes	**41.4**	1.0	ug/L	40.0		104	75-125	14.2	30	
Surrogate: 4-Bromofluorobenzene	*51.1*		*ug/L*	*50.0*		*102*	*70-140*			
Surrogate: Dibromofluoromethane	*46.1*		*ug/L*	*50.0*		*92.2*	*70-140*			
Surrogate: Toluene-d8	*51.9*		*ug/L*	*50.0*		*104*	*70-140*			
Duplicate (B2L1602-DUP1)				**Source: 2L15001-01** Prepared: 12/16/22 Analyzed: 12/17/22						

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: A5334797
Date Received: 12/15/22
Date Reported: 01/11/23

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 B2L1602 - *** DEFAULT PREP ****										
Duplicate (B2L1602-DUP1) Continued			**Source: 2L15001-01**	Prepared: 12/16/22			Analyzed: 12/17/22			
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	*58.0*		*ug/L*	*50.0*		*116*	*70-140*			
Surrogate: Dibromofluoromethane	*53.6*		*ug/L*	*50.0*		*107*	*70-140*			
Surrogate: Toluene-d8	*53.0*		*ug/L*	*50.0*		*106*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B2L1516 - *** DEFAULT PREP ****										
Blank (B2L1516-BLK1)				Prepared & Analyzed: 12/15/22						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*44.6*		*ug/L*	*50.0*		*89.2*	*70-130*			
LCS (B2L1516-BS1)				Prepared & Analyzed: 12/15/22						
Gasoline Range Organics (GRO)	**484**	20	ug/L	500		96.7	75-125			
Surrogate: a,a,a-Trifluorotoluene	*44.9*		*ug/L*	*50.0*		*89.9*	*70-130*			
LCS Dup (B2L1516-BSD1)				Prepared & Analyzed: 12/15/22						
Gasoline Range Organics (GRO)	**549**	20	ug/L	500		110	75-125	12.7	30	
Surrogate: a,a,a-Trifluorotoluene	*52.3*		*ug/L*	*50.0*		*105*	*70-130*			
Duplicate (B2L1516-DUP1)			**Source: 2L15003-01**	Prepared & Analyzed: 12/15/22						
Gasoline Range Organics (GRO)	**1280**	20	ug/L		1230			4.12	30	
Surrogate: a,a,a-Trifluorotoluene	*54.6*		*ug/L*	*50.0*		*109*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B2L1516 - *** DEFAULT PREP ****										
Blank (B2L1516-BLK1)				Prepared & Analyzed: 12/15/22						
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B2L1516-DUP1)			**Source: 2L15003-01**	Prepared & Analyzed: 12/15/22						

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: A5334797
Date Received: 12/15/22
Date Reported: 01/11/23

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor as Hexane - Quality Control										
*Batch B2L1516 - *** DEFAULT PREP ****										
Duplicate (B2L1516-DUP1) Continued			**Source: 2L15003-01**	Prepared & Analyzed: 12/15/22						
Total VOCs as Hexane	**282**	4.9	ppmv		270			4.44	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334797
Project No:	04-NDLA-013	**Date Received:**	12/15/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/11/23

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

25911

Client: The Source Group, Inc.	**Project Name / No.:** DFSP - Norwalk / 091-NOR-001	**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	2L15003-01	11-14-22	1527	Air	1	✓	✓	✓								*VOC's reported as
VES Thermox-Effluent	-02	"	1518	Air	1	✓	✓	✓								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)

PRIORITY
Date 12/15/22 1300

'22 DEC 15

A5334797/2L15003

Relinquished by	Date	Time	Received by
Glenn Androsko	12-15-22	9:20	
	12/15/22	11:06	

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, 2022

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5334736 / 2K10021

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 11/10/22 19:13 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: A5334736
Date Received: 11/10/22
Date Reported: 11/23/22

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
HW-1	2K10021-01	Vapor	5	11/10/22 08:51	11/10/22 19:13
HW-5	2K10021-02	Vapor	5	11/10/22 08:55	11/10/22 19:13
HW-7	2K10021-03	Vapor	5	11/10/22 08:58	11/10/22 19:13
HW-9	2K10021-04	Vapor	5	11/10/22 09:01	11/10/22 19:13
VOCs Gasoline Range Organics Vapor					
HW-1	2K10021-01	Vapor	5	11/10/22 08:51	11/10/22 19:13
HW-5	2K10021-02	Vapor	5	11/10/22 08:55	11/10/22 19:13
HW-7	2K10021-03	Vapor	5	11/10/22 08:58	11/10/22 19:13
HW-9	2K10021-04	Vapor	5	11/10/22 09:01	11/10/22 19:13
VOCs in Vapor as Hexane					
HW-1	2K10021-01	Vapor	5	11/10/22 08:51	11/10/22 19:13
HW-5	2K10021-02	Vapor	5	11/10/22 08:55	11/10/22 19:13
HW-7	2K10021-03	Vapor	5	11/10/22 08:58	11/10/22 19:13
HW-9	2K10021-04	Vapor	5	11/10/22 09:01	11/10/22 19:13

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334736
Project No:	04-NDLA-013	**Date Received:**	11/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/22
Matrix:	Vapor	**Sampled:**	11/10/22
Dilution:	0.5	**Prepared:**	11/11/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	11/11/22

HW-1

2K10021-01 (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	86.9 %	70-140
Dibromofluoromethane	123 %	70-140
Toluene-d8	96.2 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334736
Project No:	04-NDLA-013	**Date Received:**	11/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/22
Matrix:	Vapor	**Sampled:**	11/10/22
Dilution:	0.5	**Prepared:**	11/11/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	11/11/22

HW-5

2K10021-02 (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	122 %	70-140
Toluene-d8	97.0 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334736
Project No:	04-NDLA-013	**Date Received:**	11/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/22
Matrix:	Vapor	**Sampled:**	11/10/22
Dilution:	0.5	**Prepared:**	11/11/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	11/11/22

HW-7

2K10021-03 (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	91.5 %	70-140
Dibromofluoromethane	116 %	70-140
Toluene-d8	94.3 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334736
Project No:	04-NDLA-013	**Date Received:**	11/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/22
Matrix:	Vapor	**Sampled:**	11/10/22
Dilution:	0.5	**Prepared:**	11/11/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	11/11/22

HW-9

2K10021-04 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.25	ug/L	0.50	<0.078	ppmv	0.16
Ethylbenzene	**0.26**	ug/L	0.50	**0.060**	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	**0.52**	ug/L	1.0	**0.12**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	89.8 %	70-140
Dibromofluoromethane	115 %	70-140
Toluene-d8	97.4 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334736
Project No:	04-NDLA-013	**Date Received:**	11/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/22
Matrix:	Vapor	**Sampled:**	11/10/22
Dilution:	1	**Prepared:**	11/11/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	11/11/22

HW-1

2K10021-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**22**	ug/L	20	**5.4**	ppmv	4.9

Surrogates	**%REC**	**%REC Limits**
a,a,a-Trifluorotoluene	88.7 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334736
Project No:	04-NDLA-013	**Date Received:**	11/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/22
Matrix:	Vapor	**Sampled:**	11/10/22
Dilution:	1	**Prepared:**	11/11/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	11/11/22

HW-5

2K10021-02 (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	90.9 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334736
Project No:	04-NDLA-013	**Date Received:**	11/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/22
Matrix:	Vapor	**Sampled:**	11/10/22
Dilution:	1	**Prepared:**	11/11/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	11/11/22

HW-7

2K10021-03 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**420**	ug/L	20	**100**	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:**	A5334736
Project No:	04-NDLA-013	**Date Received:**	11/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/22
Matrix:	Vapor	**Sampled:**	11/10/22
Dilution:	1	**Prepared:**	11/11/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	11/11/22

HW-9

2K10021-04 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**470**	ug/L	20	**110**	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:**	A5334736
Project No:	04-NDLA-013	**Date Received:**	11/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/22
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	11/10/22	11/10/22	11/10/22	11/10/22	
Date Prepared:	11/11/22	11/11/22	11/11/22	11/11/22	
Date Analyzed:	11/11/22	11/11/22	11/11/22	11/11/22	
AA ID No:	2K10021-01	2K10021-02	2K10021-03	2K10021-04	
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	<4.9	<4.9	**76**	**86**	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: A5334736
Date Received: 11/10/22
Date Reported: 11/23/22

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 B2K1103 - *** DEFAULT PREP ****										
Blank (B2K1103-BLK1)				Prepared & Analyzed: 11/11/22						
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	*44.6*		*ug/L*	*50.0*		*89.2*	*70-140*			
Surrogate: Dibromofluoromethane	*58.6*		*ug/L*	*50.0*		*117*	*70-140*			
Surrogate: Toluene-d8	*49.3*		*ug/L*	*50.0*		*98.7*	*70-140*			
LCS (B2K1103-BS1)				Prepared & Analyzed: 11/11/22						
Benzene	**21.4**	0.50	ug/L	20.0		107	75-125			
Ethylbenzene	**19.0**	0.50	ug/L	20.0		94.9	75-125			
Methyl-tert-Butyl Ether (MTBE)	**31.7**	2.0	ug/L	40.0		79.3	75-125			
Toluene	**18.7**	0.50	ug/L	20.0		93.5	75-125			
o-Xylene	**20.2**	0.50	ug/L	20.0		101	75-125			
m,p-Xylenes	**40.4**	1.0	ug/L	40.0		101	75-125			
Surrogate: 4-Bromofluorobenzene	*46.5*		*ug/L*	*50.0*		*93.0*	*70-140*			
Surrogate: Dibromofluoromethane	*53.8*		*ug/L*	*50.0*		*108*	*70-140*			
Surrogate: Toluene-d8	*50.4*		*ug/L*	*50.0*		*101*	*70-140*			
LCS Dup (B2K1103-BSD1)				Prepared & Analyzed: 11/11/22						
Benzene	**23.9**	0.50	ug/L	20.0		120	75-125	10.8	30	
Ethylbenzene	**19.7**	0.50	ug/L	20.0		98.6	75-125	3.87	30	
Methyl-tert-Butyl Ether (MTBE)	**36.8**	2.0	ug/L	40.0		92.0	75-125	14.8	30	
Toluene	**19.7**	0.50	ug/L	20.0		98.6	75-125	5.31	30	
o-Xylene	**21.5**	0.50	ug/L	20.0		107	75-125	6.24	30	
m,p-Xylenes	**42.1**	1.0	ug/L	40.0		105	75-125	4.22	30	
Surrogate: 4-Bromofluorobenzene	*47.5*		*ug/L*	*50.0*		*94.9*	*70-140*			
Surrogate: Dibromofluoromethane	*56.0*		*ug/L*	*50.0*		*112*	*70-140*			
Surrogate: Toluene-d8	*49.9*		*ug/L*	*50.0*		*99.8*	*70-140*			
Duplicate (B2K1103-DUP1)				**Source: 2K10019-01** Prepared & Analyzed: 11/11/22						

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: A5334736
Date Received: 11/10/22
Date Reported: 11/23/22

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 B2K1103 - *** DEFAULT PREP ****										
Duplicate (B2K1103-DUP1) Continued				**Source: 2K10019-01**			Prepared & Analyzed: 11/11/22			
Benzene	**1.44**	0.25	ug/L		1.32			7.97	30	
Ethylbenzene	**0.625**	0.25	ug/L		0.515			19.3	30	
Methyl-tert-Butyl Ether (MTBE)	**<1.0**	1.0	ug/L						30	
Toluene	**0.365**	0.25	ug/L		0.370			1.36	30	
o-Xylene	**0.595**	0.25	ug/L		0.535			10.6	30	
m,p-Xylenes	**1.99**	0.50	ug/L		1.58			23.3	30	
Surrogate: 4-Bromofluorobenzene	*44.5*		*ug/L*	*50.0*		*88.9*	*70-140*			
Surrogate: Dibromofluoromethane	*62.3*		*ug/L*	*50.0*		*125*	*70-140*			
Surrogate: Toluene-d8	*46.4*		*ug/L*	*50.0*		*92.7*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B2K1101 - *** DEFAULT PREP ****										
Blank (B2K1101-BLK1)							Prepared & Analyzed: 11/11/22			
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*41.8*		*ug/L*	*50.0*		*83.6*	*70-130*			
LCS (B2K1101-BS1)							Prepared & Analyzed: 11/11/22			
Gasoline Range Organics (GRO)	**495**	20	ug/L	500		98.9	75-125			
Surrogate: a,a,a-Trifluorotoluene	*57.2*		*ug/L*	*50.0*		*114*	*70-130*			
LCS Dup (B2K1101-BSD1)							Prepared & Analyzed: 11/11/22			
Gasoline Range Organics (GRO)	**591**	20	ug/L	500		118	75-125	17.8	30	
Surrogate: a,a,a-Trifluorotoluene	*57.6*		*ug/L*	*50.0*		*115*	*70-130*			
Duplicate (B2K1101-DUP1)				**Source: 2K10023-01**			Prepared & Analyzed: 11/11/22			
Gasoline Range Organics (GRO)	**578**	100	ug/L		737			24.2	30	
Surrogate: a,a,a-Trifluorotoluene	*52.9*		*ug/L*	*50.0*		*106*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B2K1101 - *** DEFAULT PREP ****										
Blank (B2K1101-BLK1)							Prepared & Analyzed: 11/11/22			
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B2K1101-DUP1)				**Source: 2K10023-01**			Prepared & Analyzed: 11/11/22			

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: A5334736
Date Received: 11/10/22
Date Reported: 11/23/22

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor as Hexane - Quality Control										
*Batch B2K1101 - *** DEFAULT PREP ****										
Duplicate (B2K1101-DUP1) Continued			**Source: 2K10023-01**	Prepared & Analyzed: 11/11/22						
Total VOCs as Hexane	**104**	24	ppmv		133			24.3	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334736
Project No:	04-NDLA-013	**Date Received:**	11/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/22

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

25676

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 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
HW-1	2K10021 -01	11-10-22	0851	Air	1	✓	✓	✓	*VOC's reported as GRO (detection limit = 4.9 ppmv) and
HW-5	-02	↓	0855	Air	1	✓	✓	✓	*VOCs as Hexane (detection limit = 4.9 ppmv)
HW-7	-03	↓	0858	Air	1	✓	✓	✓	*Benzene (detection limit = 0.10 ppmv)
HW-9	-04	↓	0901	Air	1	✓	✓	✓	

PRIORITY Rush Hrs SH Date 11/11/22 Time 0900 Sign

'22 NOV 10 14:13

[redacted]

A5334736/2K10021

Relinquished by	Date	Time	Received by
Glenn Androsko	11-10-22	14:22	[illegible]
[illegible]	11-10-22	14:13	[illegible]

AMERICAN ANALYTICS

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

November 23, 2022

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5334738 / 2K10023

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 11/10/22 19:13 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: A5334738
Date Received: 11/10/22
Date Reported: 11/23/22

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
Trunkline#1 (East)	2K10023-01	Vapor	5	11/10/22 09:42	11/10/22 19:13
Trunkline#2 (South)	2K10023-02	Vapor	5	11/10/22 09:44	11/10/22 19:13
Trunkline#3 (Central S)	2K10023-03	Vapor	5	11/10/22 09:47	11/10/22 19:13
Trunkline#4 (Central E)	2K10023-04	Vapor	5	11/10/22 09:48	11/10/22 19:13
Trunkline#5(Central W)	2K10023-05	Vapor	5	11/10/22 09:46	11/10/22 19:13
VOCs Gasoline Range Organics Vapor					
Trunkline#1 (East)	2K10023-01	Vapor	5	11/10/22 09:42	11/10/22 19:13
Trunkline#2 (South)	2K10023-02	Vapor	5	11/10/22 09:44	11/10/22 19:13
Trunkline#3 (Central S)	2K10023-03	Vapor	5	11/10/22 09:47	11/10/22 19:13
Trunkline#4 (Central E)	2K10023-04	Vapor	5	11/10/22 09:48	11/10/22 19:13
Trunkline#5(Central W)	2K10023-05	Vapor	5	11/10/22 09:46	11/10/22 19:13
VOCs in Vapor as Hexane					
Trunkline#1 (East)	2K10023-01	Vapor	5	11/10/22 09:42	11/10/22 19:13
Trunkline#2 (South)	2K10023-02	Vapor	5	11/10/22 09:44	11/10/22 19:13
Trunkline#3 (Central S)	2K10023-03	Vapor	5	11/10/22 09:47	11/10/22 19:13
Trunkline#4 (Central E)	2K10023-04	Vapor	5	11/10/22 09:48	11/10/22 19:13
Trunkline#5(Central W)	2K10023-05	Vapor	5	11/10/22 09:46	11/10/22 19:13

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334738
Project No:	04-NDLA-013	**Date Received:**	11/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/22
Matrix:	Vapor	**Sampled:**	11/10/22
Dilution:	0.5	**Prepared:**	11/11/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	11/11/22

Trunkline#1 (East)

2K10023-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**0.39**	ug/L	0.50	**0.12**	ppmv	0.16
Ethylbenzene	**0.26**	ug/L	0.50	**0.060**	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	91.8 %	70-140
Dibromofluoromethane	126 %	70-140
Toluene-d8	94.4 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334738
Project No:	04-NDLA-013	**Date Received:**	11/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/22
Matrix:	Vapor	**Sampled:**	11/10/22
Dilution:	0.5	**Prepared:**	11/11/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	11/11/22

Trunkline#2 (South)

2K10023-02 (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	94.9 %	70-140
Dibromofluoromethane	117 %	70-140
Toluene-d8	97.0 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334738
Project No:	04-NDLA-013	**Date Received:**	11/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/22
Matrix:	Vapor	**Sampled:**	11/10/22
Dilution:	0.5	**Prepared:**	11/11/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	11/11/22

Trunkline#3 (Central S)

2K10023-03 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**2.6**	ug/L	0.50	**0.81**	ppmv	0.16
Ethylbenzene	**1.1**	ug/L	0.50	**0.25**	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	**0.30**	ug/L	0.50	**0.069**	ppmv	0.12
m,p-Xylenes	**2.2**	ug/L	1.0	**0.51**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	90.8 %	70-140
Dibromofluoromethane	121 %	70-140
Toluene-d8	96.3 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334738
Project No:	04-NDLA-013	**Date Received:**	11/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/22
Matrix:	Vapor	**Sampled:**	11/10/22
Dilution:	0.5	**Prepared:**	11/11/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	11/11/22

Trunkline#4 (Central E)

2K10023-04 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**3.0**	ug/L	0.50	**0.94**	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	**2.5**	ug/L	0.50	**0.66**	ppmv	0.13
o-Xylene	**3.7**	ug/L	0.50	**0.85**	ppmv	0.12
m,p-Xylenes	**8.2**	ug/L	1.0	**1.9**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	89.3 %	70-140
Dibromofluoromethane	122 %	70-140
Toluene-d8	95.1 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334738
Project No:	04-NDLA-013	**Date Received:**	11/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/22
Matrix:	Vapor	**Sampled:**	11/10/22
Dilution:	0.5	**Prepared:**	11/11/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	11/11/22

Trunkline#5(Central W)

2K10023-05 (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	93.9 %	70-140
Dibromofluoromethane	122 %	70-140
Toluene-d8	98.1 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334738
Project No:	04-NDLA-013	**Date Received:**	11/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/22
Matrix:	Vapor	**Sampled:**	11/10/22
Dilution:	1	**Prepared:**	11/11/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	11/11/22

Trunkline#1 (East)

2K10023-01 (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	108 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334738
Project No:	04-NDLA-013	**Date Received:**	11/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/22
Matrix:	Vapor	**Sampled:**	11/10/22
Dilution:	1	**Prepared:**	11/11/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	11/11/22

Trunkline#2 (South)

2K10023-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**66**	ug/L	20	**16**	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	92.5 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334738
Project No:	04-NDLA-013	**Date Received:**	11/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/22
Matrix:	Vapor	**Sampled:**	11/10/22
Dilution:	2	**Prepared:**	11/11/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	11/11/22

Trunkline#3 (Central S)

2K10023-03 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**3200**	ug/L	20	**780**	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	110 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334738
Project No:	04-NDLA-013	**Date Received:**	11/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/22
Matrix:	Vapor	**Sampled:**	11/10/22
Dilution:	1	**Prepared:**	11/11/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	11/11/22

Trunkline#4 (Central E)

2K10023-04 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**2900**	ug/L	20	**710**	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	120 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334738
Project No:	04-NDLA-013	**Date Received:**	11/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/22
Matrix:	Vapor	**Sampled:**	11/10/22
Dilution:	1	**Prepared:**	11/11/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	11/11/22

Trunkline#5(Central W)

2K10023-05 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**530**	ug/L	20	**130**	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:**	A5334738
Project No:	04-NDLA-013	**Date Received:**	11/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/22
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	11/10/22	11/10/22	11/10/22	11/10/22	
Date Prepared:	11/11/22	11/11/22	11/11/22	11/11/22	
Date Analyzed:	11/11/22	11/11/22	11/11/22	11/11/22	
AA ID No:	2K10023-01	2K10023-02	2K10023-03	2K10023-04	
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	2	1	MRL
VOCs in Vapor as Hexane (EPA 8015M)					
Total VOCs as Hexane	**130**	**12**	**580**	**520**	4.9

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334738
Project No:	04-NDLA-013	**Date Received:**	11/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/22
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	11/10/22	
Date Prepared:	11/11/22	
Date Analyzed:	11/11/22	
AA ID No:	2K10023-05	
Client ID No:	Trunkline#5(Central W)	
Matrix:	Vapor	
Dilution Factor:	1	MRL

VOCs in Vapor as Hexane (EPA 8015M)

Total VOCs as Hexane	**96**	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: A5334738
Date Received: 11/10/22
Date Reported: 11/23/22

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 B2K1103 - *** DEFAULT PREP ****										
Blank (B2K1103-BLK1)				Prepared & Analyzed: 11/11/22						
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	*44.6*		*ug/L*	*50.0*		*89.2*	*70-140*			
Surrogate: Dibromofluoromethane	*58.6*		*ug/L*	*50.0*		*117*	*70-140*			
Surrogate: Toluene-d8	*49.3*		*ug/L*	*50.0*		*98.7*	*70-140*			
LCS (B2K1103-BS1)				Prepared & Analyzed: 11/11/22						
Benzene	**21.4**	0.50	ug/L	20.0		107	75-125			
Ethylbenzene	**19.0**	0.50	ug/L	20.0		94.9	75-125			
Methyl-tert-Butyl Ether (MTBE)	**31.7**	2.0	ug/L	40.0		79.3	75-125			
Toluene	**18.7**	0.50	ug/L	20.0		93.5	75-125			
o-Xylene	**20.2**	0.50	ug/L	20.0		101	75-125			
m,p-Xylenes	**40.4**	1.0	ug/L	40.0		101	75-125			
Surrogate: 4-Bromofluorobenzene	*46.5*		*ug/L*	*50.0*		*93.0*	*70-140*			
Surrogate: Dibromofluoromethane	*53.8*		*ug/L*	*50.0*		*108*	*70-140*			
Surrogate: Toluene-d8	*50.4*		*ug/L*	*50.0*		*101*	*70-140*			
LCS Dup (B2K1103-BSD1)				Prepared & Analyzed: 11/11/22						
Benzene	**23.9**	0.50	ug/L	20.0		120	75-125	10.8	30	
Ethylbenzene	**19.7**	0.50	ug/L	20.0		98.6	75-125	3.87	30	
Methyl-tert-Butyl Ether (MTBE)	**36.8**	2.0	ug/L	40.0		92.0	75-125	14.8	30	
Toluene	**19.7**	0.50	ug/L	20.0		98.6	75-125	5.31	30	
o-Xylene	**21.5**	0.50	ug/L	20.0		107	75-125	6.24	30	
m,p-Xylenes	**42.1**	1.0	ug/L	40.0		105	75-125	4.22	30	
Surrogate: 4-Bromofluorobenzene	*47.5*		*ug/L*	*50.0*		*94.9*	*70-140*			
Surrogate: Dibromofluoromethane	*56.0*		*ug/L*	*50.0*		*112*	*70-140*			
Surrogate: Toluene-d8	*49.9*		*ug/L*	*50.0*		*99.8*	*70-140*			
Duplicate (B2K1103-DUP1)				**Source: 2K10019-01** Prepared & Analyzed: 11/11/22						

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: A5334738
Date Received: 11/10/22
Date Reported: 11/23/22

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 B2K1103 - *** DEFAULT PREP ****										
Duplicate (B2K1103-DUP1) Continued				**Source: 2K10019-01**			Prepared & Analyzed: 11/11/22			
Benzene	**1.44**	0.25	ug/L		1.32			7.97	30	
Ethylbenzene	**0.625**	0.25	ug/L		0.515			19.3	30	
Methyl-tert-Butyl Ether (MTBE)	**<1.0**	1.0	ug/L						30	
Toluene	**0.365**	0.25	ug/L		0.370			1.36	30	
o-Xylene	**0.595**	0.25	ug/L		0.535			10.6	30	
m,p-Xylenes	**1.99**	0.50	ug/L		1.58			23.3	30	
Surrogate: 4-Bromofluorobenzene	*44.5*		*ug/L*	*50.0*		*88.9*	*70-140*			
Surrogate: Dibromofluoromethane	*62.3*		*ug/L*	*50.0*		*125*	*70-140*			
Surrogate: Toluene-d8	*46.4*		*ug/L*	*50.0*		*92.7*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B2K1101 - *** DEFAULT PREP ****										
Blank (B2K1101-BLK1)							Prepared & Analyzed: 11/11/22			
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*41.8*		*ug/L*	*50.0*		*83.6*	*70-130*			
LCS (B2K1101-BS1)							Prepared & Analyzed: 11/11/22			
Gasoline Range Organics (GRO)	**495**	20	ug/L	500		98.9	75-125			
Surrogate: a,a,a-Trifluorotoluene	*57.2*		*ug/L*	*50.0*		*114*	*70-130*			
LCS Dup (B2K1101-BSD1)							Prepared & Analyzed: 11/11/22			
Gasoline Range Organics (GRO)	**591**	20	ug/L	500		118	75-125	17.8	30	
Surrogate: a,a,a-Trifluorotoluene	*57.6*		*ug/L*	*50.0*		*115*	*70-130*			
Duplicate (B2K1101-DUP1)				**Source: 2K10023-01**			Prepared & Analyzed: 11/11/22			
Gasoline Range Organics (GRO)	**578**	100	ug/L		737			24.2	30	
Surrogate: a,a,a-Trifluorotoluene	*52.9*		*ug/L*	*50.0*		*106*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B2K1101 - *** DEFAULT PREP ****										
Blank (B2K1101-BLK1)							Prepared & Analyzed: 11/11/22			
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B2K1101-DUP1)				**Source: 2K10023-01**			Prepared & Analyzed: 11/11/22			

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: A5334738
Date Received: 11/10/22
Date Reported: 11/23/22

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor as Hexane - Quality Control										
*Batch B2K1101 - *** DEFAULT PREP ****										
Duplicate (B2K1101-DUP1) Continued				**Source: 2K10023-01**	Prepared & Analyzed: 11/11/22					
Total VOCs as Hexane	**104**	24	ppmv		133			24.3	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334738
Project No:	04-NDLA-013	**Date Received:**	11/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/23/22

Special Notes

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

25678

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 Andcosko	
Project Manager: Neil Irish	**Site Address:** 15306 Norwalk Blvd	**Sampler's Signature:** Glenn Andcosko	
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)	2K10023 -01	11-10-22	0942	Air	1	✓	✓	✓								VOC's reported as
Trunkline#2 (South)	-02	↓	0944	Air	1	✓	✓	✓								GRO (detection limit
Trunkline#3 (Central S)	-03		0947	Air	1	✓	✓	✓								=4.9 ppmv) and
Trunkline#4 (Central E)	-04		0948	Air	1	✓	✓	✓								VOCs as Hexane
Trunkline#5 (Central W)	-05		0946	Air	1	✓	✓	✓								(detection limit =
																4.9 ppmv)
																Benzene (detection
																limit = 0.15 ppmv)

PRIORITY
SH
Hrs
Date 11/11/22 Time 0940 Sign

'22 NOV 10 19:13

A5334738 / 2K10023

Relinquished by	Date	Time	Received by
Glenn Andcosko	11-10-22	14:32	[signature]
[signature]	11-10-22	19:15	[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: 471574
Report Level: II
Report Date: 11/09/2022

Analytical Report *prepared for:*

Imedla Morales
APEX - Signal Hill
1962 Freeman Avenue
Signal Hill, CA 90755

Project: PERMIT #22453_WW - WW Permit #224553

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

Imedla Morales
APEX - Signal Hill
1962 Freeman Avenue
Signal Hill, CA 90755

Lab Job #:	471574
Project No:	PERMIT #22453_WW
Location:	WW Permit #224553
Date Received:	10/26/22

Sample ID	Lab ID	Collected	Matrix
SURGE TANK_10-26-22	471574-001	10/26/22 10:30	Water
EFFLUENT_10-26-22	471574-002	10/26/22 10:09	Water

ENTHALPY ANALYTICAL

Case Narrative

APEX - Signal Hill	Lab Job Number: 471574
1962 Freeman Avenue	Project No: PERMIT #22453_WW
Signal Hill, CA 90755	Location: WW Permit #224553
Imedla Morales	Date Received: 10/26/22

This data package contains sample and QC results for two water samples, requested for the above referenced project on 10/26/22. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 624.1):

- High response was observed for isopropyl ether (DIPE) in the CCV analyzed 10/31/22 07:56; affected data was qualified with "b".
- High recoveries were observed for isopropyl ether (DIPE) in the BS/BSD for batch 300005; the associated RPD was within limits, and this analyte was not detected at or above the RL in the associated samples.
- No other analytical problems were encountered.

471574

CHAIN OF CUSTODY RECORD	ENTHALPY ANALYTICAL	Lab Number:		Preservative: 1=Na2S2O3 2=HCl 3=HNO3 4=H2SO4 5=NaOH 6=Other
931 W. Barkley, Orange, CA 92868		Client ID:	15881	Matrix: A=Air DW=Drinking Water FL=Food Liquid FS=Food Solid
Phone: (714) 771-6900 Fax: (714) 771-9933		Page:	1 of 1	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	www.enthalpy.com	Turn Around Time		****Turn around time will start the following day
		Standard	X	for samples received at the Lab after 3pm****
		72 Hours		
		48 Hours		
		24 Hours		
		Same Day		

ENTHALPY ANALYTICAL

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	APEX	Name:	WW
Report To:	Imelda Morales	Number:	Permit #22453
Email:	imelda.morales@apexcos.com, glenn.androsko@apexcos.com, katy.ryan@apexcos.com	Address:	15306 Norwalk Blvd
Address:	1962 Freeman Ave		Norwalk, CA 90650
	Signal Hill, CA 90755	Global ID:	
Phone:	562-597-1055 Fax:	P.O. #:	
		Sampled By:	

	Sample ID	Date	Time	Matrix	Container	Pres.	8015 TPHD (DRO)	8015 TPHG (GRO)	624-VOCs (BTEX & m,p-xylenes & Oxygenates)	Test Instruction & Comments
							Analysis			
1	Surge Tank_10-26-22	10-26-22	1030	W	*	*	X	X	X	Enthalpy Quote No.: APEX_012120
2	Effluent_10-26-22	"	1009	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	Authorized By:
Print Name: Glenn Androsko	Print Name: Joshua Qian	Print Name:	Print Name:	
Date: 10-26-22 Time: 1635	Date: 10/26/2022 Time: 1635	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:	

16.9/3.1

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: APEX - Signal Hill Project: WW Permit #224553

Date Received: 10/26/22 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: 16.9 #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: 3.1 #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

High Temp Samples

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: 10-26-22

Enthalpy Analytical, a subsidiary of Montrose Environmental Group ,Inc.
931 W. Barkley Ave, Orange, CA 92868 • T: (714) 771-6900 • F: (714) 538-1209
www.enthalpy.com/socal

ENTHALPY ANALYTICAL

Analysis Results for 471574

Imedla Morales
APEX - Signal Hill
1962 Freeman Avenue
Signal Hill, CA 90755

Lab Job #: 471574
Project No: PERMIT #22453_WW
Location: WW Permit #224553
Date Received: 10/26/22

Sample ID: SURGE TANK_10-26-22 **Lab ID: 471574-001** **Collected: 10/26/22 10:30**
Matrix: Water

471574-001 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	300005	10/31/22	10/31/22	LYZ
Isopropyl Ether (DIPE)	ND		ug/L	5.0	1	300005	10/31/22	10/31/22	LYZ
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0	1	300005	10/31/22	10/31/22	LYZ
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0	1	300005	10/31/22	10/31/22	LYZ
tert-Butyl Alcohol (TBA)	**29**		ug/L	10	1	300005	10/31/22	10/31/22	LYZ
m,p-Xylenes	ND		ug/L	10	1	300005	10/31/22	10/31/22	LYZ
o-Xylene	ND		ug/L	5.0	1	300005	10/31/22	10/31/22	LYZ
Benzene	ND		ug/L	5.0	1	300005	10/31/22	10/31/22	LYZ
Toluene	ND		ug/L	0.5	1	300005	10/31/22	10/31/22	LYZ
Ethylbenzene	ND		ug/L	5.0	1	300005	10/31/22	10/31/22	LYZ
Xylene (total)	ND		ug/L	5.0	1	300005	10/31/22	10/31/22	LYZ
Surrogates				**Limits**					
Dibromofluoromethane	110%		%REC	70-140	1	300005	10/31/22	10/31/22	LYZ
1,2-Dichloroethane-d4	108%		%REC	70-140	1	300005	10/31/22	10/31/22	LYZ
Toluene-d8	97%		%REC	70-140	1	300005	10/31/22	10/31/22	LYZ
Bromofluorobenzene	98%		%REC	70-140	1	300005	10/31/22	10/31/22	LYZ
Method: EPA 8015B Prep Method: EPA 5030B									
TPH Gasoline	ND		ug/L	50	1	300293	11/03/22	11/03/22	EMW
Surrogates				**Limits**					
Bromofluorobenzene (FID)	107%		%REC	60-140	1	300293	11/03/22	11/03/22	EMW
Method: EPA 8015B Prep Method: EPA 3510C									
Diesel C10-C28	**0.43**		mg/L	0.094	0.94	299723	10/27/22	10/28/22	BJG
Surrogates				**Limits**					
n-Triacontane	70%		%REC	35-130	0.94	299723	10/27/22	10/28/22	BJG

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 471574

Sample ID: EFFLUENT_10-26-22	Lab ID: 471574-002	Collected: 10/26/22 10:09
	Matrix: Water	

471574-002 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	300005	10/31/22	10/31/22	LYZ
Isopropyl Ether (DIPE)	ND		ug/L	5.0	1	300005	10/31/22	10/31/22	LYZ
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0	1	300005	10/31/22	10/31/22	LYZ
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0	1	300005	10/31/22	10/31/22	LYZ
tert-Butyl Alcohol (TBA)	ND		ug/L	10	1	300005	10/31/22	10/31/22	LYZ
m,p-Xylenes	ND		ug/L	10	1	300005	10/31/22	10/31/22	LYZ
o-Xylene	ND		ug/L	5.0	1	300005	10/31/22	10/31/22	LYZ
Benzene	ND		ug/L	5.0	1	300005	10/31/22	10/31/22	LYZ
Toluene	ND		ug/L	0.5	1	300005	10/31/22	10/31/22	LYZ
Ethylbenzene	ND		ug/L	5.0	1	300005	10/31/22	10/31/22	LYZ
Xylene (total)	ND		ug/L	5.0	1	300005	10/31/22	10/31/22	LYZ
Surrogates				**Limits**					
Dibromofluoromethane	79%		%REC	70-140	1	300005	10/31/22	10/31/22	LYZ
1,2-Dichloroethane-d4	98%		%REC	70-140	1	300005	10/31/22	10/31/22	LYZ
Toluene-d8	95%		%REC	70-140	1	300005	10/31/22	10/31/22	LYZ
Bromofluorobenzene	99%		%REC	70-140	1	300005	10/31/22	10/31/22	LYZ
Method: EPA 8015B Prep Method: EPA 5030B									
TPH Gasoline	ND		ug/L	50	1	300293	11/03/22	11/03/22	EMW
Surrogates				**Limits**					
Bromofluorobenzene (FID)	109%		%REC	60-140	1	300293	11/03/22	11/03/22	EMW
Method: EPA 8015B Prep Method: EPA 3510C									
Diesel C10-C28	ND		mg/L	0.094	0.94	299723	10/27/22	10/28/22	BJG
Surrogates				**Limits**					
n-Triacontane	73%		%REC	35-130	0.94	299723	10/27/22	10/28/22	BJG

ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC1022286**	**Batch: 300005**
Matrix: Water	**Method: EPA 624.1**	**Prep Method: EPA 624.1**

QC1022286 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
MTBE	ND		ug/L	5.0	10/31/22	10/31/22
Isopropyl Ether (DIPE)	ND		ug/L	5.0	10/31/22	10/31/22
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0	10/31/22	10/31/22
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0	10/31/22	10/31/22
tert-Butyl Alcohol (TBA)	ND		ug/L	10	10/31/22	10/31/22
m,p-Xylenes	ND		ug/L	10	10/31/22	10/31/22
o-Xylene	ND		ug/L	5.0	10/31/22	10/31/22
Benzene	ND		ug/L	5.0	10/31/22	10/31/22
Toluene	ND		ug/L	0.5	10/31/22	10/31/22
Ethylbenzene	ND		ug/L	5.0	10/31/22	10/31/22
Xylene (total)	ND		ug/L	5.0	10/31/22	10/31/22
Surrogates				**Limits**		
Dibromofluoromethane	111%		%REC	70-140	10/31/22	10/31/22
1,2-Dichloroethane-d4	108%		%REC	70-140	10/31/22	10/31/22
Toluene-d8	97%		%REC	70-140	10/31/22	10/31/22
Bromofluorobenzene	100%		%REC	70-140	10/31/22	10/31/22

Type: Lab Control Sample	**Lab ID: QC1022287**	**Batch: 300005**
Matrix: Water	**Method: EPA 624.1**	**Prep Method: EPA 624.1**

QC1022287 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
MTBE	41.63	50.00	ug/L	83%		70-130
Isopropyl Ether (DIPE)	134.3	100.0	ug/L	134%	b,*	70-130
Ethyl tert-Butyl Ether (ETBE)	56.76	50.00	ug/L	114%		70-130
Methyl tert-Amyl Ether (TAME)	38.73	50.00	ug/L	77%		70-130
tert-Butyl Alcohol (TBA)	182.0	250.0	ug/L	73%		48-125
m,p-Xylenes	89.91	100.0	ug/L	90%		70-130
o-Xylene	44.47	50.00	ug/L	89%		70-130
Benzene	47.07	50.00	ug/L	94%		70-130
Toluene	45.36	50.00	ug/L	91%		70-130
Ethylbenzene	44.96	50.00	ug/L	90%		70-130
Surrogates						
Dibromofluoromethane	55.31	50.00	ug/L	111%		70-140
1,2-Dichloroethane-d4	53.88	50.00	ug/L	108%		70-140
Toluene-d8	49.95	50.00	ug/L	100%		70-140
Bromofluorobenzene	51.09	50.00	ug/L	102%		70-140

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample Duplicate	Lab ID: QC1022288	Batch: 300005
Matrix: Water	Method: EPA 624.1	Prep Method: EPA 624.1

QC1022288 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
MTBE	44.06	50.00	ug/L	88%		70-130	6	30
Isopropyl Ether (DIPE)	136.5	100.0	ug/L	137%	b,*	70-130	2	30
Ethyl tert-Butyl Ether (ETBE)	53.00	50.00	ug/L	106%		70-130	7	30
Methyl tert-Amyl Ether (TAME)	40.88	50.00	ug/L	82%		70-130	5	30
tert-Butyl Alcohol (TBA)	216.8	250.0	ug/L	87%		48-125	17	30
m,p-Xylenes	90.00	100.0	ug/L	90%		70-130	0	30
o-Xylene	45.07	50.00	ug/L	90%		70-130	1	30
Benzene	48.36	50.00	ug/L	97%		70-130	3	30
Toluene	45.18	50.00	ug/L	90%		70-130	0	30
Ethylbenzene	45.11	50.00	ug/L	90%		70-130	0	30
Surrogates								
Dibromofluoromethane	56.43	50.00	ug/L	113%		70-140		
1,2-Dichloroethane-d4	53.74	50.00	ug/L	107%		70-140		
Toluene-d8	48.88	50.00	ug/L	98%		70-140		
Bromofluorobenzene	49.73	50.00	ug/L	99%		70-140		

Type: Blank	Lab ID: QC1021389	Batch: 299723
Matrix: Water	Method: EPA 8015B	Prep Method: EPA 3510C

QC1021389 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Diesel C10-C28	ND		mg/L	0.10	10/27/22	10/27/22
Surrogates				**Limits**		
n-Triacontane	71%		%REC	35-130	10/27/22	10/27/22

Type: Lab Control Sample	Lab ID: QC1021390	Batch: 299723
Matrix: Water	Method: EPA 8015B	Prep Method: EPA 3510C

QC1021390 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	0.5673	1.000	mg/L	57%		42-120
Surrogates						
n-Triacontane	0.01381	0.02000	mg/L	69%		35-130

Type: Lab Control Sample Duplicate	Lab ID: QC1021391	Batch: 299723
Matrix: Water	Method: EPA 8015B	Prep Method: EPA 3510C

QC1021391 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Diesel C10-C28	0.6909	1.000	mg/L	69%		42-120	20	36
Surrogates								
n-Triacontane	0.01644	0.02000	mg/L	82%		35-130		

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Batch QC

Type: Lab Control Sample	**Lab ID:** QC1023139	**Batch:** 300293
Matrix: Water	**Method:** EPA 8015B	**Prep Method:** EPA 5030B

QC1023139 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
TPH Gasoline	552.3	500.0	ug/L	110%		70-130
Surrogates						
Bromofluorobenzene (FID)	237.0	200.0	ug/L	119%		60-140

Type: Matrix Spike	**Lab ID:** QC1023140	**Batch:** 300293
Matrix (Source ID): Water (471867-002)	**Method:** EPA 8015B	**Prep Method:** EPA 5030B

QC1023140 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
TPH Gasoline	581.4	ND	500.0	ug/L	116%		70-130	1
Surrogates								
Bromofluorobenzene (FID)	218.5		200.0	ug/L	109%		60-140	1

Type: Matrix Spike Duplicate	**Lab ID:** QC1023141	**Batch:** 300293
Matrix (Source ID): Water (471867-002)	**Method:** EPA 8015B	**Prep Method:** EPA 5030B

QC1023141 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
TPH Gasoline	547.9	ND	500.0	ug/L	110%		70-130	6	30	1
Surrogates										
Bromofluorobenzene (FID)	216.1		200.0	ug/L	108%		60-140			1

Type: Blank	**Lab ID:** QC1023142	**Batch:** 300293
Matrix: Water	**Method:** EPA 8015B	**Prep Method:** EPA 5030B

QC1023142 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH Gasoline	ND		ug/L	50	11/03/22	11/03/22
Surrogates				**Limits**		
Bromofluorobenzene (FID)	89%		%REC	60-140	11/03/22	11/03/22

* Value is outside QC limits
ND Not Detected
b See narrative

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 473907
Report Level: II
Report Date: 12/08/2022

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 #:	473907
Project No:	PERMIT #22453_WW
Location:	WW
Date Received:	11/29/22

Sample ID	Lab ID	Collected	Matrix
SURGE TANK_11-29-22	473907-001	11/29/22 10:02	Water
EFFLUENT_11-29-22	473907-002	11/29/22 09:45	Water

ENTHALPY ANALYTICAL

Case Narrative

APEX - Signal Hill	Lab Job Number: 473907
1962 Freeman Avenue	Project No: PERMIT #22453_WW
Signal Hill, CA 90755	Location: WW
Imelda Morales	Date Received: 11/29/22

This data package contains sample and QC results for two water samples, requested for the above referenced project on 11/29/22. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 624.1):

- Low recovery was observed for toluene in the MS for batch 302142; the parent sample was not a project sample, the BS/BSD were within limits, and the associated RPD was within limits. High RPD was observed for methyl tert-amyl ether (TAME) in the MS/MSD for batch 302142; the RPD was acceptable in the BS/BSD, and this analyte was not detected at or above the RL in the associated samples.
- No other analytical problems were encountered.

473907

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

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www.enthalpy.com

Lab Number: 473907
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:

	Sample ID	Date	Time	Matrix	Container	Pres.	8015 TPHD (DRO)	8015 TPHG (GRO)	624-VOCs (BTEX & m,p-xylenes & Oxygenates)	Analysis	Test Instruction & Comments
1	Surge Tank_11-29-22	11-29-22	1002	W	*	*	X	X	X		Field pH 7.08
2	Effluent_11-29-22	11-29-22	0945	W	*	*	X	X	X		Enthalpy Quote No.: APEX_012120
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:
Kathleen Ryan	Glenn Androsko			
Print Name: Kathleen Ryan	Print Name: Glenn Androsko	Print Name:	Print Name:	
Date: 11-29-22 Time:	Date: 11/29/22 Time: 12:15	Date: Time:	Date: Time:	
Relinquished By:	Received By:	Relinquished By:	Received By:	
Print Name:	Print Name:	Print Name:	Print Name:	
Date: Time:	Date: Time:	Date: Time:	Date: Time:	

10.3/0.5

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SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: APEX Signal Hill Project: Permit #22453

Date Received: 11/29/22 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: 10.3 #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: 0.5 #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: Yesenia Sylvestre Date: 11/29/22

ENTHALPY ANALYTICAL

Analysis Results for 473907

Imelda Morales
APEX - Signal Hill
1962 Freeman Avenue
Signal Hill, CA 90755

Lab Job #: 473907
Project No: PERMIT #22453_WW
Location: WW
Date Received: 11/29/22

Sample ID: SURGE TANK_11-29-22 **Lab ID: 473907-001** **Collected: 11/29/22 10:02**
Matrix: Water

473907-001 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	302142	11/30/22	11/30/22	LYZ
Isopropyl Ether (DIPE)	ND		ug/L	5.0	1	302142	11/30/22	11/30/22	LYZ
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0	1	302142	11/30/22	11/30/22	LYZ
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0	1	302142	11/30/22	11/30/22	LYZ
tert-Butyl Alcohol (TBA)	**10**		ug/L	10	1	302142	11/30/22	11/30/22	LYZ
m,p-Xylenes	ND		ug/L	10	1	302142	11/30/22	11/30/22	LYZ
o-Xylene	ND		ug/L	5.0	1	302142	11/30/22	11/30/22	LYZ
Benzene	ND		ug/L	5.0	1	302142	11/30/22	11/30/22	LYZ
Toluene	ND		ug/L	0.5	1	302142	11/30/22	11/30/22	LYZ
Ethylbenzene	ND		ug/L	5.0	1	302142	11/30/22	11/30/22	LYZ
Xylene (total)	ND		ug/L	5.0	1	302142	11/30/22	11/30/22	LYZ
Surrogates				**Limits**					
Dibromofluoromethane	95%		%REC	70-140	1	302142	11/30/22	11/30/22	LYZ
1,2-Dichloroethane-d4	100%		%REC	70-140	1	302142	11/30/22	11/30/22	LYZ
Toluene-d8	99%		%REC	70-140	1	302142	11/30/22	11/30/22	LYZ
Bromofluorobenzene	99%		%REC	70-140	1	302142	11/30/22	11/30/22	LYZ
Method: EPA 8015B Prep Method: EPA 5030B									
TPH Gasoline	ND		ug/L	50	1	302325	12/02/22	12/02/22	EMW
Surrogates				**Limits**					
Bromofluorobenzene (FID)	95%		%REC	60-140	1	302325	12/02/22	12/02/22	EMW
Method: EPA 8015B Prep Method: EPA 3510C									
Diesel C10-C28	**0.36**		mg/L	0.094	0.94	302132	11/30/22	11/30/22	BJG
Surrogates				**Limits**					
n-Triacontane	71%		%REC	35-130	0.94	302132	11/30/22	11/30/22	BJG

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 473907

Sample ID: EFFLUENT_11-29-22	Lab ID: 473907-002	Collected: 11/29/22 09:45
	Matrix: Water	

473907-002 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	302142	11/30/22	11/30/22	LYZ
Isopropyl Ether (DIPE)	ND		ug/L	5.0	1	302142	11/30/22	11/30/22	LYZ
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0	1	302142	11/30/22	11/30/22	LYZ
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0	1	302142	11/30/22	11/30/22	LYZ
tert-Butyl Alcohol (TBA)	ND		ug/L	10	1	302142	11/30/22	11/30/22	LYZ
m,p-Xylenes	ND		ug/L	10	1	302142	11/30/22	11/30/22	LYZ
o-Xylene	ND		ug/L	5.0	1	302142	11/30/22	11/30/22	LYZ
Benzene	ND		ug/L	5.0	1	302142	11/30/22	11/30/22	LYZ
Toluene	ND		ug/L	0.5	1	302142	11/30/22	11/30/22	LYZ
Ethylbenzene	ND		ug/L	5.0	1	302142	11/30/22	11/30/22	LYZ
Xylene (total)	ND		ug/L	5.0	1	302142	11/30/22	11/30/22	LYZ
Surrogates				**Limits**					
Dibromofluoromethane	100%		%REC	70-140	1	302142	11/30/22	11/30/22	LYZ
1,2-Dichloroethane-d4	100%		%REC	70-140	1	302142	11/30/22	11/30/22	LYZ
Toluene-d8	100%		%REC	70-140	1	302142	11/30/22	11/30/22	LYZ
Bromofluorobenzene	102%		%REC	70-140	1	302142	11/30/22	11/30/22	LYZ
Method: EPA 8015B Prep Method: EPA 5030B									
TPH Gasoline	ND		ug/L	50	1	302325	12/02/22	12/02/22	EMW
Surrogates				**Limits**					
Bromofluorobenzene (FID)	100%		%REC	60-140	1	302325	12/02/22	12/02/22	EMW
Method: EPA 8015B Prep Method: EPA 3510C									
Diesel C10-C28	ND		mg/L	0.094	0.94	302132	11/30/22	11/30/22	BJG
Surrogates				**Limits**					
n-Triacontane	72%		%REC	35-130	0.94	302132	11/30/22	11/30/22	BJG

ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID:** QC1028940	**Batch:** 302142
Matrix: Water	**Method:** EPA 624.1	**Prep Method:** EPA 624.1

QC1028940 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
MTBE	49.75	50.00	ug/L	99%		70-130
Isopropyl Ether (DIPE)	48.64	50.00	ug/L	97%		70-130
Ethyl tert-Butyl Ether (ETBE)	48.94	50.00	ug/L	98%		70-130
Methyl tert-Amyl Ether (TAME)	50.13	50.00	ug/L	100%		70-130
tert-Butyl Alcohol (TBA)	217.9	250.0	ug/L	87%		48-125
m,p-Xylenes	108.0	100.0	ug/L	108%		70-130
o-Xylene	46.24	50.00	ug/L	92%		70-130
Benzene	49.15	50.00	ug/L	98%		70-130
Toluene	47.65	50.00	ug/L	95%		70-130
Ethylbenzene	51.67	50.00	ug/L	103%		70-130
Surrogates						
Dibromofluoromethane	53.14	50.00	ug/L	106%		70-140
1,2-Dichloroethane-d4	54.64	50.00	ug/L	109%		70-140
Toluene-d8	48.14	50.00	ug/L	96%		70-140
Bromofluorobenzene	47.78	50.00	ug/L	96%		70-140

Type: Lab Control Sample Duplicate	**Lab ID:** QC1028941	**Batch:** 302142
Matrix: Water	**Method:** EPA 624.1	**Prep Method:** EPA 624.1

QC1028941 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
MTBE	50.50	50.00	ug/L	101%		70-130	1	30
Isopropyl Ether (DIPE)	48.05	50.00	ug/L	96%		70-130	1	30
Ethyl tert-Butyl Ether (ETBE)	49.04	50.00	ug/L	98%		70-130	0	30
Methyl tert-Amyl Ether (TAME)	51.80	50.00	ug/L	104%		70-130	3	30
tert-Butyl Alcohol (TBA)	232.0	250.0	ug/L	93%		48-125	6	30
m,p-Xylenes	106.5	100.0	ug/L	107%		70-130	1	30
o-Xylene	45.91	50.00	ug/L	92%		70-130	1	30
Benzene	49.44	50.00	ug/L	99%		70-130	1	30
Toluene	47.20	50.00	ug/L	94%		70-130	1	30
Ethylbenzene	50.62	50.00	ug/L	101%		70-130	2	30
Surrogates								
Dibromofluoromethane	52.21	50.00	ug/L	104%		70-140		
1,2-Dichloroethane-d4	54.40	50.00	ug/L	109%		70-140		
Toluene-d8	47.56	50.00	ug/L	95%		70-140		
Bromofluorobenzene	47.13	50.00	ug/L	94%		70-140		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1028944	**Batch:** 302142
Matrix: Water	**Method:** EPA 624.1	**Prep Method:** EPA 624.1

QC1028944 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
MTBE	ND		ug/L	5.0	11/30/22	11/30/22
Isopropyl Ether (DIPE)	ND		ug/L	5.0	11/30/22	11/30/22
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0	11/30/22	11/30/22
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0	11/30/22	11/30/22
tert-Butyl Alcohol (TBA)	ND		ug/L	10	11/30/22	11/30/22
m,p-Xylenes	ND		ug/L	10	11/30/22	11/30/22
o-Xylene	ND		ug/L	5.0	11/30/22	11/30/22
Benzene	ND		ug/L	5.0	11/30/22	11/30/22
Toluene	ND		ug/L	0.5	11/30/22	11/30/22
Ethylbenzene	ND		ug/L	5.0	11/30/22	11/30/22
Xylene (total)	ND		ug/L	5.0	11/30/22	11/30/22
Surrogates				**Limits**		
Dibromofluoromethane	106%		%REC	70-140	11/30/22	11/30/22
1,2-Dichloroethane-d4	104%		%REC	70-140	11/30/22	11/30/22
Toluene-d8	99%		%REC	70-140	11/30/22	11/30/22
Bromofluorobenzene	100%		%REC	70-140	11/30/22	11/30/22

Type: Matrix Spike	**Lab ID:** QC1029156	**Batch:** 302142
Matrix (Source ID): Water (473707-001)	**Method:** EPA 624.1	**Prep Method:** EPA 624.1

QC1029156 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
MTBE	193.1	ND	250.0	ug/L	77%		75-130	5
Isopropyl Ether (DIPE)	186.7	ND	250.0	ug/L	75%		70-130	5
Ethyl tert-Butyl Ether (ETBE)	193.1	ND	250.0	ug/L	77%		70-130	5
Methyl tert-Amyl Ether (TAME)	204.0	ND	250.0	ug/L	82%		70-130	5
tert-Butyl Alcohol (TBA)	792.5	ND	1250	ug/L	63%		51-122	5
m,p-Xylenes	567.2	158.4	500.0	ug/L	82%		70-131	5
o-Xylene	259.9	77.37	250.0	ug/L	73%		70-130	5
Benzene	201.0	7.648	250.0	ug/L	77%		70-130	5
Toluene	244.8	72.98	250.0	ug/L	69%	*	70-130	5
Ethylbenzene	237.5	39.48	250.0	ug/L	79%		70-130	5
Surrogates								
Dibromofluoromethane	254.9		250.0	ug/L	102%		70-140	5
1,2-Dichloroethane-d4	254.4		250.0	ug/L	102%		70-140	5
Toluene-d8	238.2		250.0	ug/L	95%		70-140	5
Bromofluorobenzene	235.6		250.0	ug/L	94%		70-140	5

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1029157**	**Batch:**	**302142**
Matrix (Source ID):	**Water (473707-001)**	**Method:**	**EPA 624.1**	**Prep Method:**	**EPA 624.1**

QC1029157 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
MTBE	233.6	ND	250.0	ug/L	93%		75-130	19	30	5
Isopropyl Ether (DIPE)	217.9	ND	250.0	ug/L	87%		70-130	15	30	5
Ethyl tert-Butyl Ether (ETBE)	235.9	ND	250.0	ug/L	94%		70-130	20	30	5
Methyl tert-Amyl Ether (TAME)	282.1	ND	250.0	ug/L	113%		70-130	32*	30	5
tert-Butyl Alcohol (TBA)	956.7	ND	1250	ug/L	77%		51-122	19	33	5
m,p-Xylenes	694.6	158.4	500.0	ug/L	107%		70-131	20	30	5
o-Xylene	322.3	77.37	250.0	ug/L	98%		70-130	21	30	5
Benzene	263.0	7.648	250.0	ug/L	102%		70-130	27	30	5
Toluene	309.6	72.98	250.0	ug/L	95%		70-130	23	30	5
Ethylbenzene	305.3	39.48	250.0	ug/L	106%		70-130	25	30	5
Surrogates										
Dibromofluoromethane	232.5		250.0	ug/L	93%		70-140			5
1,2-Dichloroethane-d4	243.0		250.0	ug/L	97%		70-140			5
Toluene-d8	237.8		250.0	ug/L	95%		70-140			5
Bromofluorobenzene	260.0		250.0	ug/L	104%		70-140			5

Type:	**Blank**	**Lab ID:**	**QC1028903**	**Batch:**	**302132**
Matrix:	**Water**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3510C**

QC1028903 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Diesel C10-C28	ND		mg/L	0.10	11/30/22	11/30/22
Surrogates				**Limits**		
n-Triacontane	81%		%REC	35-130	11/30/22	11/30/22

Type:	**Lab Control Sample**	**Lab ID:**	**QC1028904**	**Batch:**	**302132**
Matrix:	**Water**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3510C**

QC1028904 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	0.8195	1.000	mg/L	82%		42-120
Surrogates						
n-Triacontane	0.01611	0.02000	mg/L	81%		35-130

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1028905**	**Batch:**	**302132**
Matrix:	**Water**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3510C**

QC1028905 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Diesel C10-C28	0.7850	1.000	mg/L	79%		42-120	4	36
Surrogates								
n-Triacontane	0.01533	0.02000	mg/L	77%		35-130		

Type:	**Blank**	**Lab ID:**	**QC1029005**	**Batch:**	**302132**
Matrix:	**Water**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3510C**

QC1029005 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Diesel C10-C28	ND		mg/L	0.10	11/30/22	11/30/22
Surrogates				**Limits**		
n-Triacontane	77%		%REC	35-130	11/30/22	11/30/22

Type:	**Lab Control Sample**	**Lab ID:**	**QC1029445**	**Batch:**	**302325**
Matrix:	**Water**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 5030B**

QC1029445 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
TPH Gasoline	510.4	500.0	ug/L	102%		70-130
Surrogates						
Bromofluorobenzene (FID)	217.3	200.0	ug/L	109%		60-140

Type:	**Matrix Spike**	**Lab ID:**	**QC1029446**	**Batch:**	**302325**
Matrix (Source ID):	**Water (473907-002)**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 5030B**

QC1029446 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
TPH Gasoline	520.1	ND	500.0	ug/L	104%		70-130	1
Surrogates								
Bromofluorobenzene (FID)	189.5		200.0	ug/L	95%		60-140	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1029447**	**Batch:**	**302325**
Matrix (Source ID):	**Water (473907-002)**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 5030B**

QC1029447 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
TPH Gasoline	519.8	ND	500.0	ug/L	104%		70-130	0	30	1
Surrogates										
Bromofluorobenzene (FID)	216.4		200.0	ug/L	108%		60-140			1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC1029448**	**Batch: 302325**
Matrix: Water	**Method: EPA 8015B**	**Prep Method: EPA 5030B**

QC1029448 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH Gasoline	ND		ug/L	50	12/02/22	12/02/22
Surrogates				**Limits**		
Bromofluorobenzene (FID)	98%		%REC	60-140	12/02/22	12/02/22

* Value is outside QC limits

ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 473909
Report Level: II
Report Date: 12/08/2022

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 #:	473909
Project No:	PERMIT #22453_WW
Location:	WW
Date Received:	11/29/22

Sample ID	Lab ID	Collected	Matrix
EFFLUENT-COMP_11-29-22	473909-001	11/29/22 09:57	Water

473909

CHAIN OF CUSTODY RECORD	ENTHALPY ANALYTICAL	Lab Number: 473909	Preservative: 1=Na2S2O3 2=HCl 3=HNO3 4=H2SO4 5=NaOH 6=Other
931 W. Barkley, Orange, CA 92868		Client ID: 15881	Matrix: A=Air DW=Drinking Water FL=Food Liquid FS=Food Solid
Phone: (714) 771-6900 Fax: (714) 771-9933		Page: 1 of 1	L=Liquid PP=Pure Product S=Solid SW=Swab W=Water WP=Wipe O=Other
Billing: Enthalpy Analytical c/o Monrose Environmental Group Inc. P.O. Box 741137, Los Angeles, CA 90074-1137	www.enthalpy.com	Turn Around Time	****Turn around time will start the following day

CUSTOMER INFORMATION		PROJECT INFORMATION		Turn Around Time	
Company:	APEX	Name:	WW	Standard	X
Report To:	Imelda Morales	Number:	Permit #22453	72 Hours	
Email:	imelda.morales@apexcos.com, glenn.androsko@apexcos.com, katy.ryan@apexcos.com	Address:	15306 Norwalk Blvd	48 Hours	
Address:	1962 Freeman Ave		Norwalk, CA 90650	24 Hours	
	Signal Hill, CA 90755	Global ID:		Same Day	
Phone:	562-597-1055 Fax:	P.O. #:			
		Sampled By:			

for samples received at the Lab after 3pm****

ENTHALPY ANALYTICAL

	Sample ID	Date	Time	Matrix	Container	Pres.	Analysis: 2540D - TSS	Analysis: 5220-D - COD	Test Instruction & Comments
1	Effluent_Comp_11-29-22	11-29-22	0957	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									

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:
Kathleen Ryan	Glenn Sylvester			
Print Name: Kathleen Ryan	Print Name: Glenn Sylvester	Print Name:	Print Name:	
Date: 11-29-22 Time:	Date: 11/29/22 Time: 12:15	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:	

10.3/0.5

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: APEX Signal Hill Project: Permit #22453

Date Received: 11/29/22 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: 10.3 #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: 0.5 #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: Yleem Sylvestre Date: 11/29/22

ENTHALPY ANALYTICAL

Analysis Results for 473909

Imelda Morales
APEX - Signal Hill
1962 Freeman Avenue
Signal Hill, CA 90755

Lab Job #: 473909
Project No: PERMIT #22453_WW
Location: WW
Date Received: 11/29/22

Sample ID:	Lab ID: 473909-001	Collected: 11/29/22 09:57
EFFLUENT-COMP_11-29-22	Matrix: Water	

473909-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM2540D Prep Method: METHOD									
Total Suspended Solids	**6.6**		mg/L	0.6	1.1	302463	12/02/22	12/02/22	ATP
Method: SM5220D Prep Method: METHOD									
Chemical Oxygen Demand	**15**		mg/L	4.0	1	302452	12/03/22	12/03/22	ATP

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1029918	Batch: 302463
Matrix: Water	Method: SM2540D	Prep Method: METHOD

QC1029918 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5	12/02/22	12/02/22

Type: Sample Duplicate	Lab ID: QC1029919	Batch: 302463
Matrix (Source ID): Water (473815-002)	Method: SM2540D	Prep Method: METHOD

QC1029919 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	758.0	752.0	mg/L		1	5	20

Type: Blank	Lab ID: QC1029873	Batch: 302452
Matrix: Water	Method: SM5220D	Prep Method: METHOD

QC1029873 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	12/03/22	12/03/22

Type: Lab Control Sample	Lab ID: QC1029874	Batch: 302452
Matrix: Water	Method: SM5220D	Prep Method: METHOD

QC1029874 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	96.00	100.0	mg/L	96%		80-120

Type: Matrix Spike	Lab ID: QC1029875	Batch: 302452
Matrix (Source ID): Water (473341-001)	Method: SM5220D	Prep Method: METHOD

QC1029875 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	106.0	ND	100.0	mg/L	106%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1029876	Batch: 302452
Matrix (Source ID): Water (473341-001)	Method: SM5220D	Prep Method: METHOD

QC1029876 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	104.0	ND	100.0	mg/L	104%		75-125	2	20	1

ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number:	475765
Report Level:	II
Report Date:	01/06/2023

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 #:	475765
Project No:	PERMIT #22453_WW
Location:	WW
Date Received:	12/21/22

Sample ID	Lab ID	Collected	Matrix
SURGE TANK_12-21-22	475765-001	12/21/22 12:42	Water
EFFLUENT_12-21-22	475765-002	12/21/22 12:19	Water

475765

CHAIN OF CUSTODY RECORD

931 W. Barkley, Orange, CA 92868
Phone: (714) 771-6900 Fax: (714) 771-9933

ENTHALPY ANALYTICAL

www.enthalpy.com

Billing: Enthalpy Analytical
c/o Montrose Environmental Group Inc.
P.O. Box 741137, Los Angeles, CA 90074-1137

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

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, kety.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 & m,p-xylenes & Oxygenates)
1	Surge Tank_12-21-22	12-21-22	1242	W	*	*	X	X	X
2	Effluent_12-21-22	"	1219	W	*	*	X	X	X
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									

Analysis

Test Instruction & Comments

Enthalpy Quote No.: APEX_012120

*TPHD - 1L amber, unpreserved
*TPHG - 3x 40ml VOA vials w/HCl
*624-VOCs - 3x 40ml VOA vials w/HCl

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	Ricardo Corrales			
Print Name: Glenn Androsko	Print Name: Ricardo Corrales	Print Name:	Print Name:	
Date: 12-21-22 Time: 1548	Date: 12-21-22 Time: 1548	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:	

2.3° / 4.0°

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Apex Companies, LLC Project: WW

Date Received: 12/21/22 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: 4.0 #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: 2.3 #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: 12/21/22

ENTHALPY ANALYTICAL

Analysis Results for 475765

Imelda Morales
APEX - Signal Hill
1962 Freeman Avenue
Signal Hill, CA 90755

Lab Job #: 475765
Project No: PERMIT #22453_WW
Location: WW
Date Received: 12/21/22

Sample ID: SURGE TANK_12-21-22 **Lab ID: 475765-001** **Collected: 12/21/22 12:42**
Matrix: Water

475765-001 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	303979	12/27/22	12/27/22	LYZ
Isopropyl Ether (DIPE)	ND		ug/L	5.0	1	303979	12/27/22	12/27/22	LYZ
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0	1	303979	12/27/22	12/27/22	LYZ
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0	1	303979	12/27/22	12/27/22	LYZ
tert-Butyl Alcohol (TBA)	ND		ug/L	10	1	303979	12/27/22	12/27/22	LYZ
m,p-Xylenes	ND		ug/L	10	1	303979	12/27/22	12/27/22	LYZ
o-Xylene	ND		ug/L	5.0	1	303979	12/27/22	12/27/22	LYZ
Benzene	ND		ug/L	5.0	1	303979	12/27/22	12/27/22	LYZ
Toluene	ND		ug/L	0.5	1	303979	12/27/22	12/27/22	LYZ
Ethylbenzene	ND		ug/L	5.0	1	303979	12/27/22	12/27/22	LYZ
Xylene (total)	ND		ug/L	5.0	1	303979	12/27/22	12/27/22	LYZ
Surrogates				**Limits**					
Dibromofluoromethane	95%		%REC	70-140	1	303979	12/27/22	12/27/22	LYZ
1,2-Dichloroethane-d4	101%		%REC	70-140	1	303979	12/27/22	12/27/22	LYZ
Toluene-d8	99%		%REC	70-140	1	303979	12/27/22	12/27/22	LYZ
Bromofluorobenzene	98%		%REC	70-140	1	303979	12/27/22	12/27/22	LYZ
Method: EPA 8015B Prep Method: EPA 5030B									
TPH Gasoline	ND		ug/L	50	1	304229	12/29/22	12/29/22	EMW
Surrogates				**Limits**					
Bromofluorobenzene (FID)	87%		%REC	60-140	1	304229	12/29/22	12/29/22	EMW
Method: EPA 8015B Prep Method: EPA 3510C									
Diesel C10-C28	**1.2**		mg/L	0.095	0.95	303806	12/22/22	12/23/22	BJG
Surrogates				**Limits**					
n-Triacontane	67%		%REC	35-130	0.95	303806	12/22/22	12/23/22	BJG

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 475765

Sample ID: EFFLUENT_12-21-22	Lab ID: 475765-002	Collected: 12/21/22 12:19
	Matrix: Water	

475765-002 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	303979	12/27/22	12/27/22	LYZ
Isopropyl Ether (DIPE)	ND		ug/L	5.0	1	303979	12/27/22	12/27/22	LYZ
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0	1	303979	12/27/22	12/27/22	LYZ
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0	1	303979	12/27/22	12/27/22	LYZ
tert-Butyl Alcohol (TBA)	ND		ug/L	10	1	303979	12/27/22	12/27/22	LYZ
m,p-Xylenes	ND		ug/L	10	1	303979	12/27/22	12/27/22	LYZ
o-Xylene	ND		ug/L	5.0	1	303979	12/27/22	12/27/22	LYZ
Benzene	ND		ug/L	5.0	1	303979	12/27/22	12/27/22	LYZ
Toluene	ND		ug/L	0.5	1	303979	12/27/22	12/27/22	LYZ
Ethylbenzene	ND		ug/L	5.0	1	303979	12/27/22	12/27/22	LYZ
Xylene (total)	ND		ug/L	5.0	1	303979	12/27/22	12/27/22	LYZ
Surrogates				**Limits**					
Dibromofluoromethane	98%		%REC	70-140	1	303979	12/27/22	12/27/22	LYZ
1,2-Dichloroethane-d4	101%		%REC	70-140	1	303979	12/27/22	12/27/22	LYZ
Toluene-d8	100%		%REC	70-140	1	303979	12/27/22	12/27/22	LYZ
Bromofluorobenzene	98%		%REC	70-140	1	303979	12/27/22	12/27/22	LYZ
Method: EPA 8015B Prep Method: EPA 5030B									
TPH Gasoline	ND		ug/L	50	1	304229	12/29/22	12/29/22	EMW
Surrogates				**Limits**					
Bromofluorobenzene (FID)	101%		%REC	60-140	1	304229	12/29/22	12/29/22	EMW
Method: EPA 8015B Prep Method: EPA 3510C									
Diesel C10-C28	ND		mg/L	0.095	0.95	303806	12/22/22	12/23/22	BJG
Surrogates				**Limits**					
n-Triacontane	71%		%REC	35-130	0.95	303806	12/22/22	12/23/22	BJG

ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID:** QC1034450	**Batch:** 303979
Matrix: Water	**Method:** EPA 624.1	**Prep Method:** EPA 624.1

QC1034450 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
MTBE	42.36	50.00	ug/L	85%		70-130
Isopropyl Ether (DIPE)	57.19	50.00	ug/L	114%		70-130
Ethyl tert-Butyl Ether (ETBE)	46.34	50.00	ug/L	93%		70-130
Methyl tert-Amyl Ether (TAME)	39.48	50.00	ug/L	79%		70-130
tert-Butyl Alcohol (TBA)	203.1	250.0	ug/L	81%		48-125
m,p-Xylenes	94.38	100.0	ug/L	94%		70-130
o-Xylene	46.38	50.00	ug/L	93%		70-130
Benzene	47.32	50.00	ug/L	95%		70-130
Toluene	47.01	50.00	ug/L	94%		70-130
Ethylbenzene	47.90	50.00	ug/L	96%		70-130
Surrogates						
Dibromofluoromethane	48.01	50.00	ug/L	96%		70-140
1,2-Dichloroethane-d4	50.39	50.00	ug/L	101%		70-140
Toluene-d8	49.97	50.00	ug/L	100%		70-140
Bromofluorobenzene	49.06	50.00	ug/L	98%		70-140

Type: Lab Control Sample Duplicate	**Lab ID:** QC1034451	**Batch:** 303979
Matrix: Water	**Method:** EPA 624.1	**Prep Method:** EPA 624.1

QC1034451 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
MTBE	41.27	50.00	ug/L	83%		70-130	3	30
Isopropyl Ether (DIPE)	54.24	50.00	ug/L	108%		70-130	5	30
Ethyl tert-Butyl Ether (ETBE)	44.78	50.00	ug/L	90%		70-130	3	30
Methyl tert-Amyl Ether (TAME)	38.43	50.00	ug/L	77%		70-130	3	30
tert-Butyl Alcohol (TBA)	205.6	250.0	ug/L	82%		48-125	1	30
m,p-Xylenes	91.45	100.0	ug/L	91%		70-130	3	30
o-Xylene	45.33	50.00	ug/L	91%		70-130	2	30
Benzene	45.72	50.00	ug/L	91%		70-130	3	30
Toluene	44.86	50.00	ug/L	90%		70-130	5	30
Ethylbenzene	46.28	50.00	ug/L	93%		70-130	3	30
Surrogates								
Dibromofluoromethane	48.91	50.00	ug/L	98%		70-140		
1,2-Dichloroethane-d4	50.66	50.00	ug/L	101%		70-140		
Toluene-d8	49.48	50.00	ug/L	99%		70-140		
Bromofluorobenzene	48.86	50.00	ug/L	98%		70-140		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC1034454**	**Batch: 303979**
Matrix: Water	**Method: EPA 624.1**	**Prep Method: EPA 624.1**

QC1034454 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
MTBE	ND		ug/L	5.0	12/27/22	12/27/22
Isopropyl Ether (DIPE)	ND		ug/L	5.0	12/27/22	12/27/22
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0	12/27/22	12/27/22
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0	12/27/22	12/27/22
tert-Butyl Alcohol (TBA)	ND		ug/L	10	12/27/22	12/27/22
m,p-Xylenes	ND		ug/L	10	12/27/22	12/27/22
o-Xylene	ND		ug/L	5.0	12/27/22	12/27/22
Benzene	ND		ug/L	5.0	12/27/22	12/27/22
Toluene	ND		ug/L	0.5	12/27/22	12/27/22
Ethylbenzene	ND		ug/L	5.0	12/27/22	12/27/22
Xylene (total)	ND		ug/L	5.0	12/27/22	12/27/22
Surrogates				**Limits**		
Dibromofluoromethane	96%		%REC	70-140	12/27/22	12/27/22
1,2-Dichloroethane-d4	102%		%REC	70-140	12/27/22	12/27/22
Toluene-d8	100%		%REC	70-140	12/27/22	12/27/22
Bromofluorobenzene	98%		%REC	70-140	12/27/22	12/27/22

Type: Blank	**Lab ID: QC1033833**	**Batch: 303806**
Matrix: Water	**Method: EPA 8015B**	**Prep Method: EPA 3510C**

QC1033833 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Diesel C10-C28	ND		mg/L	0.10	12/22/22	12/22/22
Surrogates				**Limits**		
n-Triacontane	71%		%REC	35-130	12/22/22	12/22/22

Type: Lab Control Sample	**Lab ID: QC1033834**	**Batch: 303806**
Matrix: Water	**Method: EPA 8015B**	**Prep Method: EPA 3510C**

QC1033834 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	0.8105	1.000	mg/L	81%		42-120
Surrogates						
n-Triacontane	0.01415	0.02000	mg/L	71%		35-130

Type: Lab Control Sample Duplicate	**Lab ID: QC1033835**	**Batch: 303806**
Matrix: Water	**Method: EPA 8015B**	**Prep Method: EPA 3510C**

QC1033835 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Diesel C10-C28	0.7673	1.000	mg/L	77%		42-120	5	36
Surrogates								
n-Triacontane	0.01498	0.02000	mg/L	75%		35-130		

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID: QC1035262**	**Batch: 304229**
Matrix: Water	**Method: EPA 8015B**	**Prep Method: EPA 5030B**

QC1035262 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
TPH Gasoline	493.5	500.0	ug/L	99%		70-130
Surrogates						
Bromofluorobenzene (FID)	231.7	200.0	ug/L	116%		60-140

Type: Matrix Spike	**Lab ID: QC1035263**	**Batch: 304229**
Matrix (Source ID): Water (475958-008)	**Method: EPA 8015B**	**Prep Method: EPA 5030B**

QC1035263 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
TPH Gasoline	495.3	ND	500.0	ug/L	99%		70-130	1
Surrogates								
Bromofluorobenzene (FID)	211.3		200.0	ug/L	106%		60-140	1

Type: Matrix Spike Duplicate	**Lab ID: QC1035264**	**Batch: 304229**
Matrix (Source ID): Water (475958-008)	**Method: EPA 8015B**	**Prep Method: EPA 5030B**

QC1035264 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
TPH Gasoline	476.7	ND	500.0	ug/L	95%		70-130	4	30	1
Surrogates										
Bromofluorobenzene (FID)	231.1		200.0	ug/L	116%		60-140			1

Type: Blank	**Lab ID: QC1035265**	**Batch: 304229**
Matrix: Water	**Method: EPA 8015B**	**Prep Method: EPA 5030B**

QC1035265 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH Gasoline	ND		ug/L	50	12/29/22	12/29/22
Surrogates				**Limits**		
Bromofluorobenzene (FID)	85%		%REC	60-140	12/29/22	12/29/22

ND Not Detected