DEFENSE LOGISTICS AGENCY
DLA ENERGY – FACILITIES SUSTAINMENT DIRECTORATE
ENGINEERING, ENVIRONMENTAL, PROPERTY DIVISION
8725 JOHN J. KINGMAN ROAD
FORT BELVOIR, VIRGINIA 22060-6223

August 10, 2022

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

Dear Mr. Cho:

Enclosed is one electronic copy of the *Remediation Status Report – Second Quarter 2022, 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 Ms. Carol Devier-Heeney at (571) 767-9813 or carol.devier-heeney@dla.mil.

Sincerely,

IRFAN.MUHAMMAD.KHALILULLAH.1239719992
Digitally signed by IRFAN.MUHAMMAD.KHALILULLAH.1239719992
Date: 2022.08.10 15:27:49 -04'00'

Muhammad Irfan, P.G.
Chief, Restoration Section

Enclosure
As stated

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

REMEDIATION STATUS REPORT – SECOND 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
Environmental Division Restoration Branch
8725 John J. Kingman Drive
Fort Belvoir, VA 22060-6222

For Submittal To:

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

Prepared By:

1962 Freeman Avenue
Signal Hill, California 90755

August 10, 2022

Prepared By:

Imelda Morales
Senior Remediation Engineer

Reviewed By:

Neil F. Irish, P.G. 5484
Principal Geologist

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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 (Second Quarter 2022 – April 1, 2022 through June 30, 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 in Figure 2.

1.2.1 Groundwater Extraction and Treatment System

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

The GWETS utilizes electric pumps in each of the GWE wells to extract groundwater into a shared surge tank. Groundwater is then pumped from the surge tank through three particulate-removal bag filter vessels in series (BF1, BF2, and BF3), two MYCELX vessels in series (MX-7 and MX-21) for the removal of residual free product and/or oils/grease, a Bayoxide vessel for arsenic removal (addedon 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 started 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 assessment to be performed in the near future. Temperature was measured in select groundwater monitoring wells and biosparge wells in various areas of the site to evaluate a decline in groundwater contamination and potentially justify ending groundwater extraction activities on site. Further discussion of the remedial performance evaluation via temperature measurements will be provided in the *Third Quarter 2022 Remediation Progress Report* to be submitted by November 15, 2022.

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 this reporting period 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.

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 in Figure 3.

1.2.5 Above Ground Soil Treatment

Per SGI-Apex's May 1, 2015, *Remediation Status Report - First Quarter 2015*, the excavation of impacted vadose zone soils at the Site began during January 2015. Treatment was achieved via the construction of soil biopiles that were connected to the carbon VES for SCAQMD permit compliance purposes. Biopile operations, maintenance and monitoring (OM&M) continued until March 20, 2017 after a final phase of limited additional cross-trenching and excavation work with the remaining treatment cells being subsequently disconnected and brought online April 24, 2015 following the completion of above ground treatment cell construction activities.

From January 2015 through March 2017, a total estimated volume of 67,574 cubic yards of petroleum hydrocarbon contaminated soil was excavated at the Site to depths up to 35 feet below ground surface. The goal of this remediation was to clean up source area soils that contributed to the degradation of groundwater and ready the real property of the Site for eventual conveyance. Details associated with the OM&M of the biopiles are provided in prior remediation status reports. Further details regarding treatment cell construction and excavated soil cleanup activities are provided in SGI-Apex's January 2018 *Shallow Soil Closure Report* and September 2018 *Addendum to the Shallow Soil Closure Report – Western Portion.* The 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. The GWETS was temporarily shut down on June 24, 2022 for pump maintenance, due to the presence of naturally occurring orange sludge in all three pumping GWE wells, which is plugging up the pumps and discharge lines, and decreasing 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. 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 1,600 micrograms per liter (µg/L), 1.7 µg/L and non-detect (ND) <1.0 µg/L, respectively. Maximum historic levels for these constituents were previously 14,000 µg/L for GRO (October/December 2019) and 21 µg/L for benzene (August 2019). MTBE has never been detected.

2.3 Biosparge System

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

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

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

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

2.4 LNAPL Removal Via Bailing, Skimming and Absorbent Socks

Depth to product (DTP) and depth to groundwater (DTW) were measured to the nearest 0.01 foot from the top of the well casing (TOC) using an interface probe in select monitoring wells approximately every two weeks during the reporting period. LNAPL was removed from select wells via manual bailing, active pumping using a portable product skimmer and by utilizing absorbent socks. 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, 7P 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 (Appendix B). LNAPL removal is determined individually for active wells with product removal pumps based on interpolating the total volume of product collected in the AST during a given quarter and periodically measuring the volume of LNAPL recovered per cycle for each pump. A portion of the total AST product volume is assigned to each active pump based on well-specific cycle duration and frequency values which are programmed 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 9,957 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 9,183 pounds (582 pounds via the carbon VES and 8,600 pounds via the thermal oxidizer VES). An estimated 2,987,704 pounds have been removed since April 1996 (Table 3C) via the carbon VES and approximately 355,262 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 23 gallons (158 pounds) of LNAPL was removed from the Site during this quarter, and an estimated 10,497 gallons (70,918 pounds) of LNAPL has been removed since January 2014.

3.4.1 LNAPL Removal Via Bailing, Skimming and Absorbent Socks

Approximately 7.1 gallons (48.4 pounds) of LNAPL was removed via manual bailing, active pumping using a portable product skimmer and/or by utilizing absorbent socks from wells GMW-62, GMW-68, TFR-24, TFR-29 and RTF-18-E during this reporting period (Table 7A, 7B, 7O, 7P 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. If LNAPL thicknesses increase, pumping may resume from these wells during the next reporting period.

Approximately 16 gallons (110 pounds) of LNAPL was pumped from wells TFR-22 and TFR-29 during this reporting period (Tables 7N and 7P).

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

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. Following pump troubleshooting and repair work, the pump was re-installed in well TFR-29. Currently, wells TFR-22 and TFR-29 are the only active LNAPL pumping wells.

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

5.0 PLANNED THIRD QUARTER 2022 ACTIVITIES

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

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

- Continue minimum weekly maintenance and monitoring of the GWETS operations and collect groundwater samples for laboratory analysis as required by the sewer discharge permit.
- Continue to evaluate GWE flow rates and confirm contaminant containment.
- Evaluate installation of additional horizontal treatment wells (vapor extraction and biosparge) in the Eastern 15-acre parcel to target the remaining high concentration impacted areas in preparation for land development by the City of Norwalk.
- 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 *Third Quarter 2022 Remediation Progress Report* to be submitted by November 15, 2022.

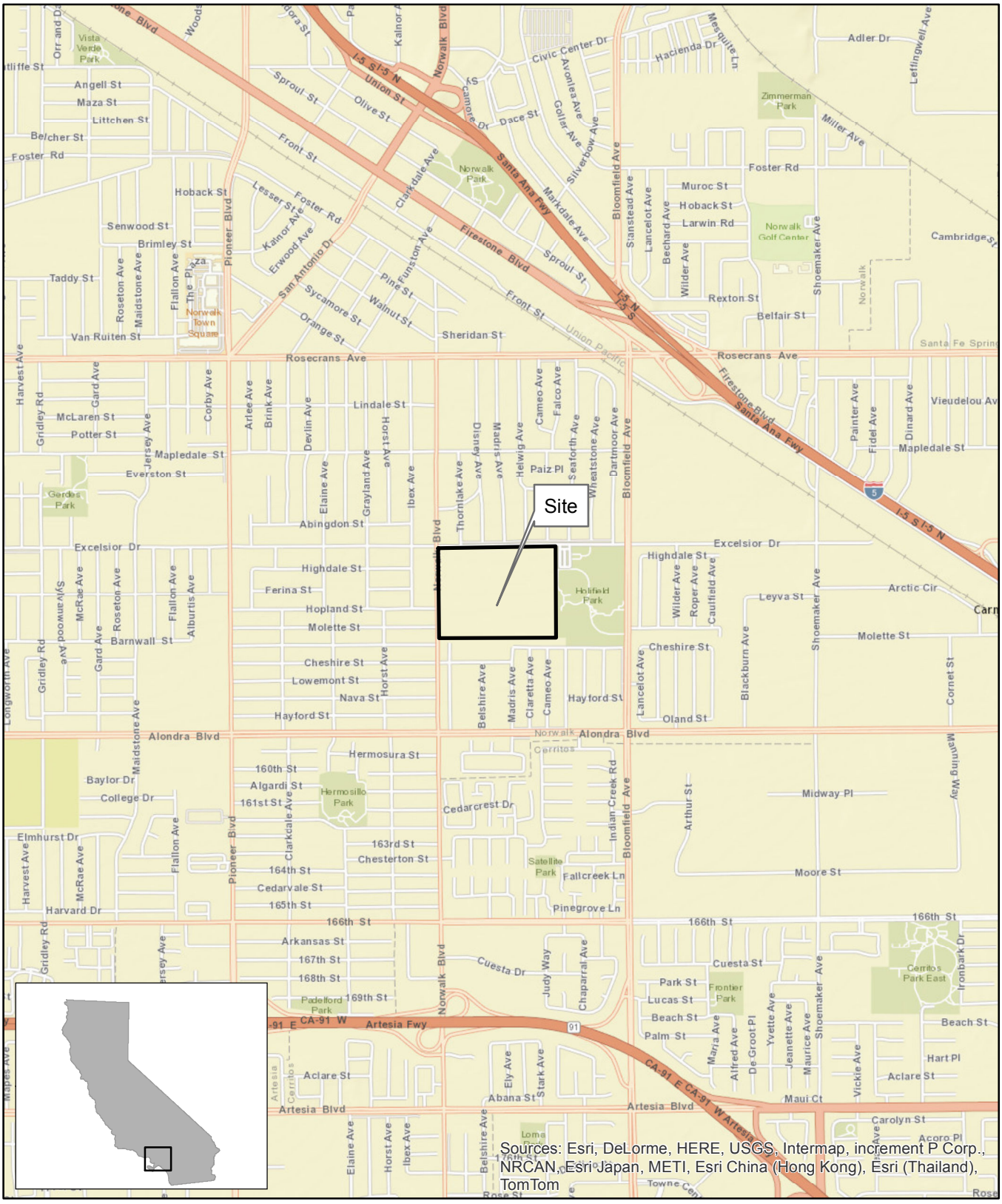
6.0 LIMITATIONS

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

SGI environmental | APEX

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

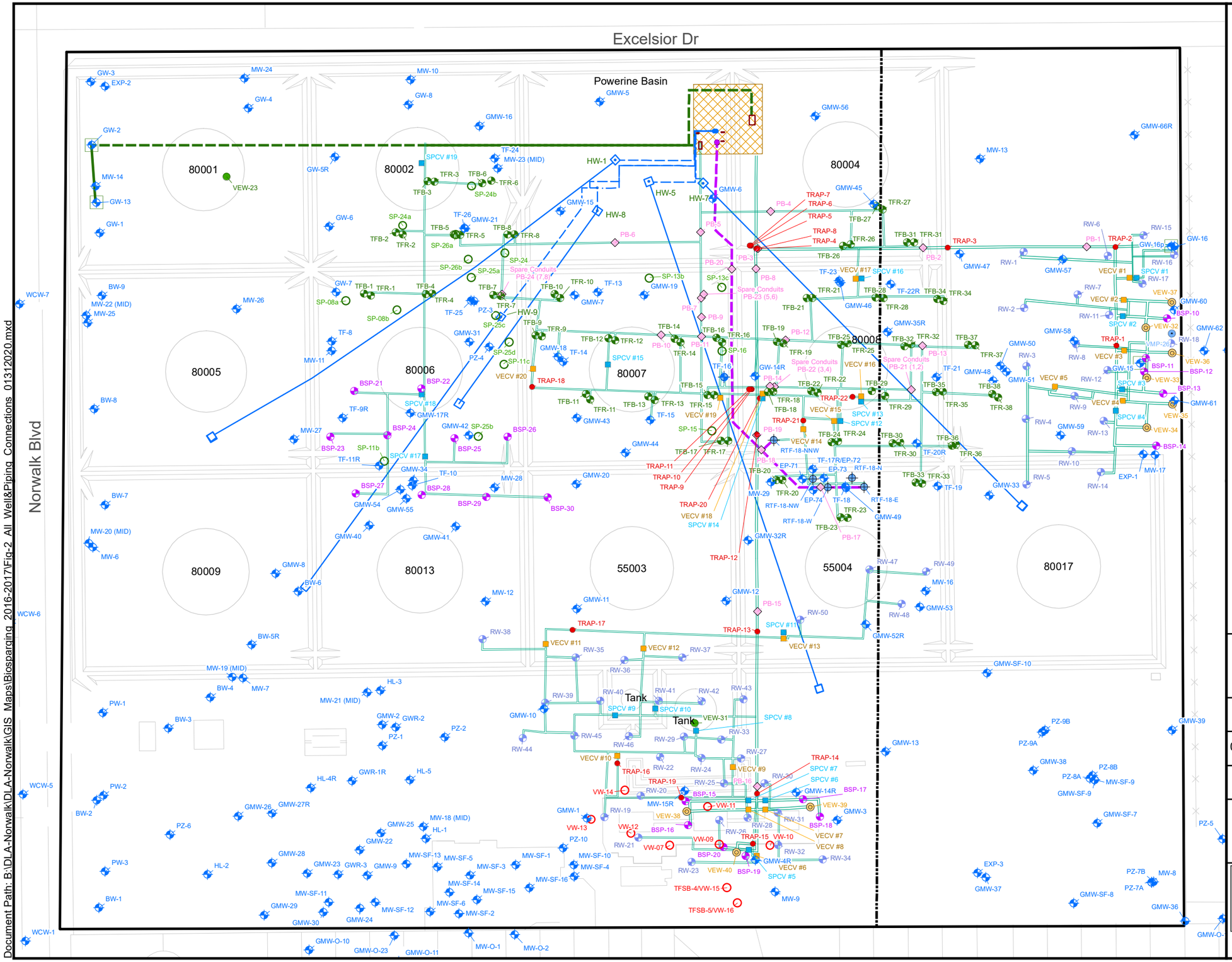
DEFENSE FUEL SUPPORT POINT NORWALK

15306 NORWALK BOULEVARD
NORWALK, CALIFORNIA

SITE LOCATION MAP

FIGURE **1**

Document Name: Fig-1_Norwalk_Site_Location_Map



Legend

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

N

DFSP Norwalk
15306 Norwalk Boulevard
Norwalk, California

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

0 70 140 280 Feet

Site Map Showing All Well and Piping Locations

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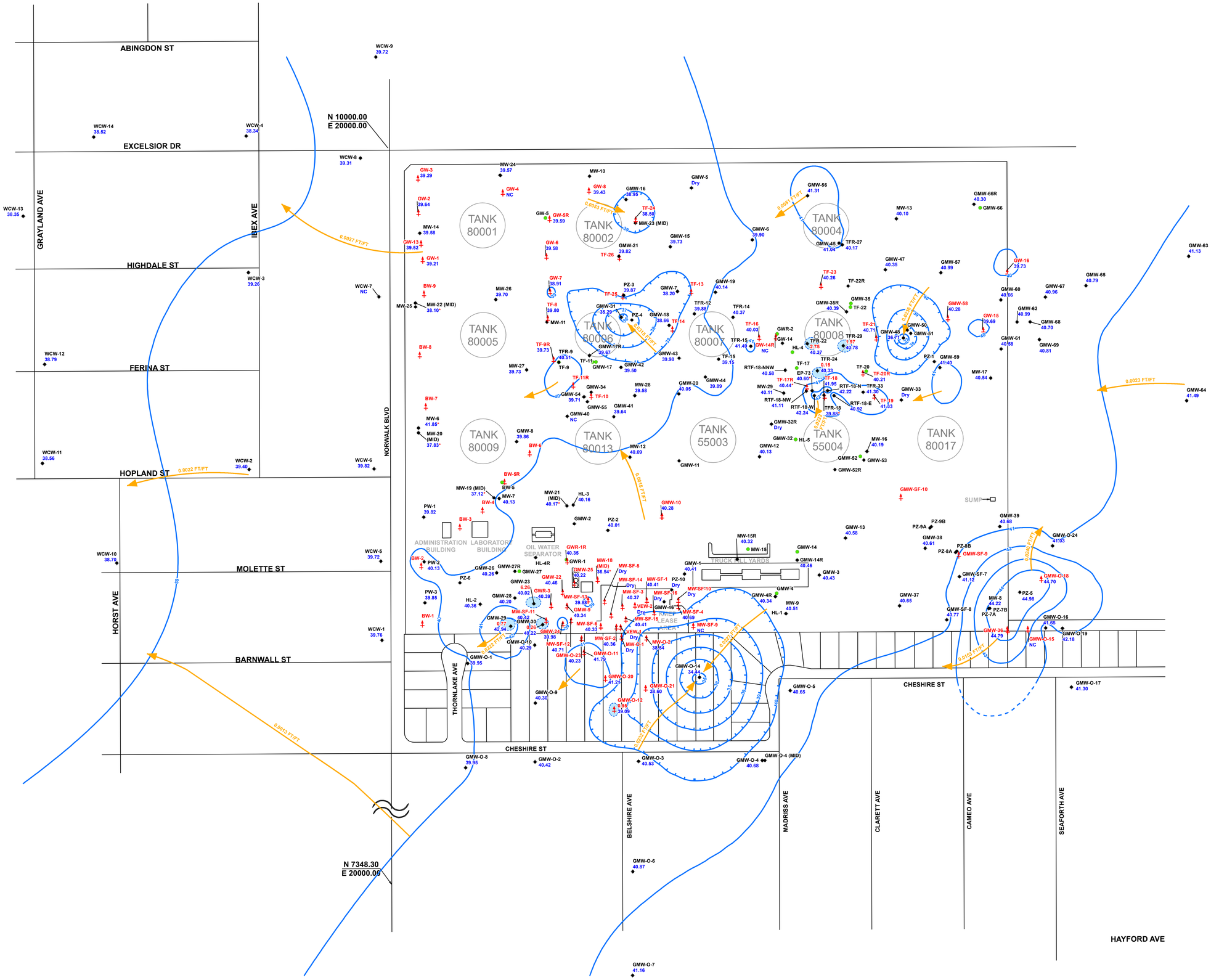
1962 Freeman Avenue Signal Hill, CA 90755
(562) 597-1055

Figure 2



Explanation

- **GMW-5** — Groundwater monitoring well
- **VEW-1** — Vapor extraction, groundwater extraction, total fluids, or free product extraction well used for site remediation
- **GMW-47 42.19** — Groundwater elevation in feet above mean sea level (MSL)
- **GMW-36 0.27 42.58** — Apparent thickness of free product measured in well (feet), groundwater elevations calculated by removing product head effect.
- **EP-73 40.6*** — Groundwater elevation not used in contouring
- **TF-17** — Decommissioned well
- **43:0** — Lines of equal groundwater elevation showing groundwater elevation in feet above MSL (dashed where inferred)
- Estimated extent of measurable light nonaqueous phase liquid (LNAPL, free product) on groundwater; dashed where inferred
- Approximate direction of groundwater flow and estimated horizontal hydraulic gradient in foot/foot (ft/ft)

Notes

1. Groundwater elevations and product thicknesses shown at wells are based on data collected by SGI, Blaine Tech, and SFPP in May 2022.
2. SFPP and DLA's remediation systems were shut down approximately 1 week prior to collecting fluid level measurements in May 2022.
3. Wells screened in the Exposition aquifer or near the bottom of the uppermost aquifer, or with groundwater elevations that are inconsistent with surrounding groundwater elevations, are not used in contouring. Groundwater elevation contours are intended to represent generalized site-wide conditions and are interpreted from data collected by Blaine Tech. Wells with groundwater elevations not used in contouring are marked with a red asterisk (*).
4. NC = groundwater elevation could not be calculated because well was either dry during the monitoring event, not measured due to an obstruction or other access complication, or the casing elevation is not available.
5. Wells at which a groundwater elevation or "NC" qualifier is not supplied are not included in the Monitoring and Reporting Program and were not visited during this monitoring event.
6. Fuel storage tanks depicted on the figure are historical structures and have been removed from the site.

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-3, and HL-4 based on field measurements by Fluor Daniel GTI and Woodward-Clyde.
4. Locations of wells BW-1 through BW-9 surveyed by Geomatrix based on reference to other wells surveyed by Dulin & Boynton.
5. Locations of wells TFR-9, TFR-12, TFR-14, TFR-15, TFR-18, TFR-22, TFR-24, TFR-27, TFR-29, and TFR-33 based on field measurements by SGI.

N

120 60 0 120
Feet

GROUNDWATER ELEVATIONS AND MEASURABLE LIQUID-PHASE HYDROCARBONS IN UPPERMOST GROUNDWATER ZONE
May 2022
DEFENSE FUEL SUPPORT POINT NORWALK
Norwalk, California

By: Ann Espejo	Date: 6/2022	Project No: KMNWCR22
Jacobs		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 - April

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)
4/1/22	Technician		1,099,004	564,346	1,765,272	1,765,272	1,663,350	3,512,375	3	--	9,956.59
4/2/22	Off line		--	--	--	--	--	--	--	--	9,956.59
4/3/22	Off line		--	--	--	--	--	--	--	--	9,956.59
4/4/22	Off line		--	--	--	--	--	--	--	--	9,956.59
4/5/22	Off line		--	--	--	--	--	--	--	--	9,956.59
4/6/22	Off line		--	--	--	--	--	--	--	--	9,956.59
4/7/22	Off line		--	--	--	--	--	--	--	--	9,956.59
4/8/22	Technician	1	1,099,394	564,445	1,765,290	1,765,290	1,663,839	3,512,424	49	--	9,956.59
4/9/22	*		--	--	--	--	--	--	--	--	9,956.60
4/10/22	*		--	--	--	--	--	--	--	--	9,956.61
4/11/22	*		--	--	--	--	--	--	--	--	9,956.62
4/12/22	Technician		1,099,616	569,736	1,768,773	1,768,773	1,669,352	3,522,417	9,993	--	9,956.63
4/13/22	Technician	2	1,099,672	570,749	1,768,796	1,768,796	1,670,421	3,525,365	2,948	--	9,956.64
4/14/22	*		--	--	--	--	--	--	--	--	9,956.65
4/15/22	*		--	--	--	--	--	--	--	--	9,956.66
4/16/22	*		--	--	--	--	--	--	--	--	9,956.68
4/17/22	*		--	--	--	--	--	--	--	--	9,956.69
4/18/22	*		--	--	--	--	--	--	--	--	9,956.70
4/19/22	Technician		1,100,006	576,830	1,768,931	1,768,931	1,676,836	3,543,050	17,685	--	9,956.71
4/20/22	*		--	--	--	--	--	--	--	--	9,956.71
4/21/22	*		--	--	--	--	--	--	--	--	9,956.71
4/22/22	*		--	--	--	--	--	--	--	--	9,956.72
4/23/22	*		--	--	--	--	--	--	--	--	9,956.72
4/24/22	*		--	--	--	--	--	--	--	--	9,956.72
4/25/22	*		--	--	--	--	--	--	--	--	9,956.72
4/26/22	*		--	--	--	--	--	--	--	--	9,956.73
4/27/22	*		--	--	--	--	--	--	--	--	9,956.73
4/28/22	Technician	3	1,108,684	579,647	1,769,135	1,769,135	1,688,331	3,548,338	5,288	490	9,956.73
4/29/22	*		--	--	--	--	--	--	--	--	9,956.74
4/30/22	*		--	--	--	--	--	--	--	--	9,956.75

Cumulative Groundwater Discharged by the GWETS to Date (gallons)							
Period	April	Quarter 1, 2022	Quarter 2, 2022	Quarter 3, 2022	Quarter 4, 2022	2022 to Date	April 1996 to Date
Volume	41,808	343,100	41,808	--	--	384,908	81,966,888

Cumulative Mass DRO Removed by the GWETS [A] (lb)			
Period	April	Quarter 2 to Date	April 1996 to Date
Mass	0.16	0.16	9,956.8

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

Legend / Notes:

1 = GWETS restarted.

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

3 = Collected monthly water samples for laboratory analysis.

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 - May

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)
5/1/22	*		--	--	--	--	--	--	--	--	9,956.77
5/2/22	*		--	--	--	--	--	--	--	--	9,956.78
5/3/22	*		--	--	--	--	--	--	--	--	9,956.79
5/4/22	*		--	--	--	--	--	--	--	--	9,956.80
5/5/22	*		--	--	--	--	--	--	--	--	9,956.81
5/6/22	Technician		1,108,684	587,485	1,769,315	1,769,315	1,696,169	3,572,745	24,407	--	9,956.83
5/7/22	*		--	--	--	--	--	--	--	--	9,956.84
5/8/22	*		--	--	--	--	--	--	--	--	9,956.85
5/9/22	*		--	--	--	--	--	--	--	--	9,956.86
5/10/22	*		--	--	--	--	--	--	--	--	9,956.87
5/11/22	Technician	1	1,110,972	588,209	1,769,428	1,769,428	1,699,181	3,583,483	10,738	470	9,956.87
5/12/22	*		--	--	--	--	--	--	--	--	9,956.87
5/13/22	*		--	--	--	--	--	--	--	--	9,956.88
5/14/22	*		--	--	--	--	--	--	--	--	9,956.88
5/15/22	*		--	--	--	--	--	--	--	--	9,956.88
5/16/22	*		--	--	--	--	--	--	--	--	9,956.88
5/17/22	*		--	--	--	--	--	--	--	--	9,956.88
5/18/22	*		--	--	--	--	--	--	--	--	9,956.88
5/19/22	*		--	--	--	--	--	--	--	--	9,956.88
5/20/22	*		--	--	--	--	--	--	--	--	9,956.89
5/21/22	*		--	--	--	--	--	--	--	--	9,956.89
5/22/22	*		--	--	--	--	--	--	--	--	9,956.89
5/23/22	Technician	2	1,116,465	589,947	1,769,699	1,769,699	1,706,412	3,587,742	4,259	--	9,956.89
5/24/22	Off line		--	--	--	--	--	--	--	--	9,956.89
5/25/22	Off line		--	--	--	--	--	--	--	--	9,956.89
5/26/22	Technician	3	1,116,465	589,947	1,769,699	1,769,699	1,706,412	3,587,742	0	--	9,956.89
5/27/22	Off line		--	--	--	--	--	--	--	--	9,956.89
5/28/22	Off line		--	--	--	--	--	--	--	--	9,956.89
5/29/22	Off line		--	--	--	--	--	--	--	--	9,956.89
5/30/22	Off line		--	--	--	--	--	--	--	--	9,956.89
5/31/22	Off line		--	--	--	--	--	--	--	--	9,956.89

Cumulative Groundwater Discharged by the GWETS (gallons)							
Period	May	Quarter 1, 2022	Quarter 2, 2022	Quarter 3, 2022	Quarter 4, 2022	2022 to Date	April 1996 to Date
Volume	33,561	343,100	75,368	--	--	418,469	82,000,449

Cumulative Mass DRO Removed by the GWETS [A] (lb)			
Period	May	Quarter 2 to Date	April 1996 to Date
Mass	0.14	0.30	9,956.9

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

Legend / Notes:

1 = Collected monthly water samples for laboratory analysis.

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

3 = Media change out work conducted.

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 - June

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)
6/1/22	Off line		--	--	--	--	--	--	--	--	9,956.89
6/2/22	Off line		--	--	--	--	--	--	--	--	9,956.89
6/3/22	Off line		--	--	--	--	--	--	--	--	9,956.89
6/4/22	Off line		--	--	--	--	--	--	--	--	9,956.89
6/5/22	Off line		--	--	--	--	--	--	--	--	9,956.89
6/6/22	Technician	1	1,116,465	590,037	1,769,738	1,769,738	1,706,502	3,587,910	168	--	9,956.89
6/7/22	*		--	--	--	--	--	--	--	--	9,956.89
6/8/22	*		--	--	--	--	--	--	--	--	9,956.89
6/9/22	*		--	--	--	--	--	--	--	--	9,956.89
6/10/22	*		--	--	--	--	--	--	--	--	9,956.89
6/11/22	*		--	--	--	--	--	--	--	--	9,956.89
6/12/22	*		--	--	--	--	--	--	--	--	9,956.89
6/13/22	*		--	--	--	--	--	--	--	--	9,956.89
6/14/22	*		--	--	--	--	--	--	--	--	9,956.89
6/15/22	*		--	--	--	--	--	--	--	--	9,956.89
6/16/22	Technician	2	1,116,465	600,966	1,771,405	1,771,405	1,717,431	3,588,480	570	47	9,956.89
6/17/22	*		--	--	--	--	--	--	--	--	9,956.89
6/18/22	*		--	--	--	--	--	--	--	--	9,956.89
6/19/22	*		--	--	--	--	--	--	--	--	9,956.89
6/20/22	*		--	--	--	--	--	--	--	--	9,956.89
6/21/22	*		--	--	--	--	--	--	--	--	9,956.89
6/22/22	Technician	3	1,116,465	601,186	1,771,407	1,771,407	1,717,651	3,588,497	17	--	9,956.89
6/23/22	*		--	--	--	--	--	--	--	--	9,956.89
6/24/22	Technician	4	1,116,465	601,259	1,771,408	1,771,408	1,717,724	3,588,502	6	--	9,956.89
6/25/22	Off line		--	--	--	--	--	--	--	--	9,956.89
6/26/22	Off line		--	--	--	--	--	--	--	--	9,956.89
6/27/22	Off line		--	--	--	--	--	--	--	--	9,956.89
6/28/22	Off line		--	--	--	--	--	--	--	--	9,956.89
6/29/22	Off line		--	--	--	--	--	--	--	--	9,956.89
6/30/22	Off line		--	--	--	--	--	--	--	--	9,956.89

Cumulative Groundwater Discharged by the GWETS (gallons)							
Period	June	Quarter 1, 2022	Quarter 2, 2022	Quarter 3, 2022	Quarter 4, 2022	2022 to Date	April 1996 to Date
Volume	760	343,100	76,128	--	--	419,229	82,001,209

Cumulative Mass DRO Removed by the GWETS [A] (lb)			
Period	June	Quarter 2 to Date	April 1996 to Date
Mass	0.00	0.30	9,956.9

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

Legend / Notes:

1 = GWETS restarted.

2 = Collected monthly water samples for laboratory analysis.

3 = Bayoxide media vessel (B-1) added to treatment train.

4 = GWETS manually shut down.

Groundwater extraction wells on line this month: 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 - April

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)
04/01/22	*		74,776	564	--	--	--	--	--	2,987,128
04/02/22	*		74,800	564	--	--	--	--	--	2,987,136
04/03/22	*		74,825	564	--	--	--	--	--	2,987,143
04/04/22	*		74,849	564	--	--	--	--	--	2,987,150
04/05/22	*		74,873	564	--	--	--	--	--	2,987,157
04/06/22	Technician		74,898	594	6.4	139.0	--	289.4	0.0	2,987,165
04/07/22	*		74,922	594	--	--	--	--	--	2,987,173
04/08/22	Technician	1	74,947	0	--	--	--	--	--	2,987,173
04/09/22	Offline		74,947	0	--	--	--	--	--	2,987,173
04/10/22	Offline		74,947	0	--	--	--	--	--	2,987,173
04/11/22	Technician	2	74,947	594	--	--	--	--	--	2,987,173
04/12/22	*		74,972	594	--	--	--	--	--	2,987,180
04/13/22	Technician		74,997	597	6.3	123.0	--	355.7	0.0	2,987,188
04/14/22	*		75,021	597	--	--	--	--	--	2,987,196
04/15/22	*		75,044	597	--	--	--	--	--	2,987,203
04/16/22	*		75,067	597	--	--	--	--	--	2,987,210
04/17/22	*		75,090	597	--	--	--	--	--	2,987,217
04/18/22	*		75,114	597	--	--	--	--	--	2,987,225
04/19/22	*		75,137	597	--	--	--	--	--	2,987,232
04/20/22	Technician	3	75,160	572	6.8	114.0	25	305.9	0.0	2,987,239
04/21/22	*		75,185	572	--	--	--	--	--	2,987,246
04/22/22	*		75,209	572	--	--	--	--	--	2,987,254
04/23/22	*		75,233	572	--	--	--	--	--	2,987,261
04/24/22	*		75,257	572	--	--	--	--	--	2,987,268
04/25/22	*		75,282	572	--	--	--	--	--	2,987,275
04/26/22	Technician		75,306	589	6.5	130.0	--	352.0	0.0	2,987,283
04/27/22	*		75,330	589	--	--	--	--	--	2,987,290
04/28/22	*		75,353	589	--	--	--	--	--	2,987,298
04/29/22	*		75,377	589	--	--	--	--	--	2,987,305
04/30/22	*		75,401	589	--	--	--	--	--	2,987,312

Cumulative Mass TPHg Removed by the VES [D] (lb)			
Period	April	Quarter 2 to Date	April 1996 to Date
Mass	191	191	2,987,312

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

Legend / Notes:

1 = VES automatically shut down due to high temperature.
2 = VES restarted.
3 = Collected monthly influent, after GAC-1, after GAC-2, and Effluent samples for laboratory analysis.
* = 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 - May

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)
05/01/22	*		75,425	589	--	--	--	--	--	2,987,352
05/02/22	*		75,448	589	--	--	--	--	--	2,987,359
05/03/22	Technician		75,472	561	6.9	118.0	--	288.0	0.0	2,987,367
05/04/22	Technician	1	75,480	561	--	--	--	--	--	2,987,369
05/05/22	*		75,505	561	--	--	--	--	--	2,987,377
05/06/22	*		75,529	561	--	--	--	--	--	2,987,385
05/07/22	*		75,554	561	--	--	--	--	--	2,987,393
05/08/22	*		75,578	561	--	--	--	--	--	2,987,400
05/09/22	*		75,603	561	--	--	--	--	--	2,987,408
05/10/22	Technician	2,3	75,627	590	6.5	125.0	27	287.0	0.0	2,987,416
05/11/22	*		75,651	590	--	--	--	--	--	2,987,424
05/12/22	*		75,675	590	--	--	--	--	--	2,987,432
05/13/22	*		75,698	590	--	--	--	--	--	2,987,440
05/14/22	*		75,722	590		--	--	--	--	2,987,448
05/15/22	*		75,746	590	--	--	--	--	--	2,987,456
05/16/22	*		75,770	590	--	--	--	--	--	2,987,464
05/17/22	Technician		75,794	559	6.9	110.0	--	305.0	0.0	2,987,471
05/18/22	*		75,818	559	--	--	--	--	--	2,987,478
05/19/22	*		75,841	559	--	--	--	--	--	2,987,486
05/20/22	*		75,865	559	--	--	--	--	--	2,987,493
05/21/22	*		75,889	559	--	--	--	--	--	2,987,501
05/22/22	*		75,913	559	--	--	--	--	--	2,987,508
05/23/22	*		75,937	559	--	--	--	--	--	2,987,516
05/24/22	*		75,960	559	--	--	--	--	--	2,987,523
05/25/22	Technician	4	75,984	559	--	--	--	--	--	2,987,531
05/26/22	Technician	5,6	75,984	0	--	--	--	--	--	2,987,531
05/27/22	Technician		76,006	593	6.2	120.0	--	321.0	0.0	2,987,538
05/28/22	*		76,029	593	--	--	--	--	--	2,987,546
05/29/22	*		76,063	593	--	--	--	--	--	2,987,557
05/30/22	*		76,084	593	--	--	--	--	--	2,987,564
05/31/22	*		76,106	593	--	--	--	--	--	2,987,571

Cumulative Mass TPHg Removed by the VES [A] (lb)			
Period	May	Quarter 2 to Date	April 1996 to Date
Mass	259	450	2,987,546

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

Legend / Notes:

1 = VES automatically shut down prior to technician visit, restarted upon arrival.
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.
4 = VES manually shutdown in advance of carbon change out work.
5 = Carbon change out work completed.
6 = VES restarted following completion of carbon change out work.
-- = 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 3C

Carbon Vapor Extraction System Operations Summary - June

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)
06/01/22	*		76,123	593	--	--	--	--	--	2,987,596
06/02/22	*		76,147	593	--	--	--	--	--	2,987,601
06/03/22	Technician		76,170	565	6.5	112.0	--	341.2	0.0	2,987,606
06/04/22	*		76,195	565	--	--	--	--	--	2,987,611
06/05/22	*		76,220	565	--	--	--	--	--	2,987,616
06/06/22	*		76,244	565	--	--	--	--	--	2,987,621
06/07/22	*		76,269	565	--	--	--	--	--	2,987,626
06/08/22	*		76,294	565	--	--	--	--	--	2,987,631
06/09/22	Technician		76,319	601	6.3	134.0	--	365.0	0.0	2,987,636
06/10/22	*		76,342	601	--	--	--	--	--	2,987,641
06/11/22	*		76,366	601	--	--	--	--	--	2,987,646
06/12/22	*		76,390	601	--	--	--	--	--	2,987,651
06/13/22	*		76,413	601	--	--	--	--	--	2,987,656
06/14/22	*		76,437	601	--	--	--	--	--	2,987,661
06/15/22	*		76,461	601	--	--	--	--	--	2,987,666
06/16/22	Technician	1	76,484	573	6.4	121.0	17	305.6	0.0	2,987,671
06/17/22	*		76,504	573	--	--	--	--	--	2,987,675
06/18/22	*		76,524	573	--	--	--	--	--	2,987,679
06/19/22	*		76,544	573	--	--	--	--	--	2,987,683
06/20/22	*		76,564	573	--	--	--	--	--	2,987,687
06/21/22	*		76,584	573	--	--	--	--	--	2,987,692
06/22/22	*		76,604	573	--	--	--	--	--	2,987,696
06/23/22	*		76,624	573	--	--	--	--	--	2,987,700
06/24/22	*		76,644	573	--	--	--	--	--	2,987,704
06/25/22	Technician	2	76,703	0	--	--	--	--	--	2,987,704
06/26/22	Off line		76,703	0	--	--	--	--	--	2,987,704
06/27/22	Technician		76,703	0	--	--	--	--	--	2,987,704
06/28/22	Off line		76,703	0	--	--	--	--	--	2,987,704
06/29/22	Off line		76,703	0	--	--	--	--	--	2,987,704
06/30/22	Off line		76,703	0	--	--	--	--	--	2,987,704

Cumulative Mass TPHg Removed by the VES [A] (lb)			
Period	June	Quarter 2 to Date	April 1996 to Date
Mass	132	582	2,987,704

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

Legend / Notes :

1 = Collected monthly influent, after GAC-1, after GAC-2, and Effluent samples for laboratory analysis.
2 = VES automatically shut down, left off 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, 22	HW-1, HW-5, HW-7	8015M & 8260M	258	**240**	**1,000**	**220**	**1,000**	**1.0**	**3.3**	**0.23**	**0.88**	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
04/03/19	21, 22	HW-1, HW-5, HW-7	8015M & 8260M	394	**73**	**300**	**65**	**300**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
11/25/19	23	HW-1, HW-5, HW-7, HW-8, HW-9	8015M & 8260M	164	**42**	**170**	**38**	**170**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.1	<0.35	<1.6	<0.55	<2.0
12/30/19		HW-1, HW-5, HW-7, HW-8, HW-9	8015M & 8260M	39	**7.1**	**29**	**6.3**	**29**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
01/15/20		HW-1, HW-5, HW-7, HW-8, HW-9	8015M & 8260M	15	**5.4**	**22**	<5.7	**22**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
02/18/20		HW-1, HW-5, HW-7, HW-8, HW-9	8015M & 8260M	12	<4.9	<20	<5.7	<20	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
02/27/20		HW-1, HW-5, HW-7, HW-8, HW-9	8015 & 8260B	16	<4.9	<20	<5.7	<20	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
03/16/20	24	HW-1, HW-5, HW-7	8015 & 8260B	105	**18.09**	**74**	**16**	**74**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
04/01/20	25	HW-1, HW-5, HW-7, HW-8, HW-9	8015 & 8260B	47	**8.31**	**34**	**7.5**	**34**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
04/15/20		HW-1, HW-5, HW-7, HW-8, HW-9	8015 & 8260B	87	**9.5**	**39**	**8.6**	**39**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
05/15/20		HW-1, HW-5, HW-7, HW-8, HW-9	8015 & 8260B	119	**17**	**68**	**15**	**68**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
06/22/20		HW-1, HW-5, HW-7, HW-8, HW-9	8015 & 8260B	151	**24**	**98**	**21**	**98**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
07/20/20		HW-1, HW-9, HW-7, Trunkline #1, Trunkline #2	8015 & 8260B	572	**98**	**400**	**79**	**400**	**0.19**	**0.6**	**0.16**	**0.59**	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
08/24/20		HW-1, HW-9, HW-7, Trunkline #1, Trunkline #2	8015 & 8260B	797	**93**	**380**	**69**	**380**	**0.17**	**0.53**	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
09/14/20		HW-1, HW-9, HW-7, Trunkline #2	8015 & 8260B	397	**44**	**180**	**33**	**180**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
10/05/20		HW-1, HW-9, HW-7	8015 & 8260B	80	**13**	**54**	**9.8**	**54**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
11/05/20	26	HW-1, HW-9, HW-7, Trunkline #2	8015 & 8260B	392	**34**	**140**	**25**	**140**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
11/30/20		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	398	**29**	**120**	**22**	**120**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
02/24/21		HW-1, HW-9, HW-5, HW-7	8015 & 8260B	38	<4.9	<20	<4.9	<20	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
03/08/21		HW-1, HW-8, HW-9, HW-5, HW-7	8015 & 8260B	53	**6.8**	**28**	**5.1**	**28**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
04/19/21		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	238	**22**	**90**	**16**	**90**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
06/08/21		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	177	**21**	**86**	**16**	**86**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
06/21/21		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	247	**18**	**73**	**13**	**73**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
07/07/21		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	196	**22**	**90**	**16**	**90**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
08/09/21		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	203	**17**	**69**	**13**	**69**	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.178	<0.75	<0.28	<1.0
09/20/21		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	155	**16**	**64**	**12**	**64**	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.178	<0.75	<0.28	<1.0
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

Legend / Notes:

Data collected prior to April 2014 not verified for completeness nor accuracy.
Influent vapor sample inadvertently not collected during August 2016.
VES = Vapor extraction system
ppmv = Parts per million by volume
GRO = Gasoline range organics
µg/L = Micrograms per liter
- Reported concentrations are shown in bold.
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.

TABLE 5A

Thermal Oxidizer Vapor Extraction System Operations Summary - April

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)
04/01/22	*		20,485	707	--	--	--	--	--	338,918
04/02/22	*		20,509	707	--	--	--	--	--	339,016
04/03/22	*		20,534	707	--	--	--	--	--	339,113
04/04/22	*		20,558	707	--	--	--	--	--	339,210
04/05/22	*		20,583	707	--	--	--	--	--	339,308
04/06/22	Technician		20,607	735	70	784	--	320	3	339,409
04/07/22	*		20,631	735	--	--	--	--	--	339,508
04/08/22	*		20,655	735	--	--	--	--	--	339,607
04/09/22	*		20,679	735	--	--	--	--	--	339,706
04/10/22	*		20,703	735	--	--	--	--	--	339,805
04/11/22	*		20,727	735	--	--	--	--	--	339,904
04/12/22	*		20,751	735	--	--	--	--	--	340,003
04/13/22	Technician		20,775	695	70	784	--	310	2	340,097
04/14/22	*		20,798	695	--	--	--	--	--	340,189
04/15/22	*		20,822	695	--	--	--	--	--	340,280
04/16/22	*		20,845	695	--	--	--	--	--	340,372
04/17/22	*		20,869	695	--	--	--	--	--	340,463
04/18/22	*		20,892	695	--	--	--	--	--	340,555
04/19/22	*		20,916	695	--	--	--	--	--	340,646
04/20/22	Technician	1	20,939	678	70	777	280	310	2	340,735
04/21/22	Technician	2	20,972	0	--	--	--	--	--	340,735
04/22/22	Offline		20,972	0	--	--	--	--	--	340,735
04/23/22	Offline		20,972	0	--	--	--	--	--	340,735
04/24/22	Offline		20,972	0	--	--	--	--	--	340,735
04/25/22	Technician	3	20,972	0	--	--	--	--	--	340,735
04/26/22	Technician		20,992	732	68	807	--	430	6	340,818
04/27/22	*		21,016	732	--	--	--	--	--	340,915
04/28/22	*		21,039	732	--	--	--	--	--	341,013
04/29/22	*		21,063	732	--	--	--	--	--	341,110
04/30/22	*		21,087	732	--	--	--	--	--	341,208

Cumulative Mass TPHg Removed by the VES [D] (lb)			
Period	April	Quarter 2 to Date	January 2018 to Date
Mass	2,387.0	2,387.0	349,048.9

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

Legend / Notes:

1 = Collected monthly influent and effluent samples for laboratory analysis.
2 = VES automatically shut down.
3 = VES restarted.

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-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)

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

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

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

TABLE 5B
Thermal Oxidizer Vapor Extraction System Operations Summary - May
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)
05/01/22	*		21,111	732	--	--	--	--	--	341,728
05/02/22	*		21,134	732	--	--	--	--	--	341,832
05/03/22	Technician		21,158	712	68	797	--	371	4	341,933
05/04/22	Technician	1	21,166	712	--	--	--	--	--	341,967
05/05/22	*		21,191	712	--	--	--	--	--	342,073
05/06/22	*		21,215	712	--	--	--	--	--	342,178
05/07/22	*		21,240	712	--	--	--	--	--	342,283
05/08/22	*		21,265	712	--	--	--	--	--	342,389
05/09/22	*		21,289	712	--	--	--	--	--	342,494
05/10/22	Technician	2,3	21,314	726	68	796	290	356	3	342,601
05/11/22	*		21,338	726	--	--	--	--	--	342,704
05/12/22	*		21,361	726	--	--	--	--	--	342,808
05/13/22	*		21,385	726	--	--	--	--	--	342,911
05/14/22	*		21,409	726	--	--	--	--	--	343,014
05/15/22	*		21,433	726	--	--	--	--	--	343,117
05/16/22	*		21,456	726	--	--	--	--	--	343,220
05/17/22	Technician		21,480	728	72	797	--	312	--	343,324
05/18/22	*		21,503	728	--	--	--	--	--	343,425
05/19/22	*		21,526	728	--	--	--	--	--	343,526
05/20/22	*		21,550	728	--	--	--	--	--	343,627
05/21/22	*		21,573	728	--	--	--	--	--	343,729
05/22/22	*		21,596	728	--	--	--	--	--	343,830
05/23/22	*		21,619	728	--	--	--	--	--	343,931
05/24/22	*		21,642	728	--	--	--	--	--	344,032
05/25/22	*		21,666	728	--	--	--	--	--	344,134
05/26/22	*		21,689	728	--	--	--	--	--	344,235
05/27/22	Technician		21,712	714	68	783	--	296	4	344,334
05/28/22	*		21,735	714	--	--	--	--	--	344,434
05/29/22	*		21,759	714	--	--	--	--	--	344,535
05/30/22	*		21,782	714	--	--	--	--	--	344,635
05/31/22	*		21,806	714	--	--	--	--	--	344,735

Cumulative Mass TPHg Removed by the VES [D] (lb)			
Period	May	Quarter 2 to Date	January 2018 to Date
Mass	3,527.4	5,914.3	352,576.2

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

Legend / Notes:

1 = System automatically shut down prior to tecnician visit, restarted upon arrival.
2 = Collected monthly influent and effluent samples for laboratory analysis.
3 = Collected Trunkline 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-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)

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

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

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

TABLE 5C

Thermal Oxidizer Vapor Extraction System Operations Summary - June

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)
06/01/22	*		21,829	714	--	--	--	--	--	345,205
06/02/22	*		21,853	714	--	--	--	--	--	345,299
06/03/22	Technician		21,876	743	68	788	--	300	3	345,397
06/04/22	*		21,903	743	--	--	--	--	--	345,508
06/05/22	*		21,927	743	--	--	--	--	--	345,610
06/06/22	*		21,952	743	--	--	--	--	--	345,712
06/07/22	*		21,976	743	--	--	--	--	--	345,815
06/08/22	*		22,001	743	--	--	--	--	--	345,917
06/09/22	Technician		22,025	712	67	787	--	326	5	346,015
06/10/22	*		22,049	712	--	--	--	--	--	346,110
06/11/22	*		22,072	712	--	--	--	--	--	346,205
06/12/22	*		22,096	712	--	--	--	--	--	346,299
06/13/22	*		22,120	712	--	--	--	--	--	346,394
06/14/22	*		22,144	712	--	--	--	--	--	346,489
06/15/22	*		22,167	712	--	--	--	--	--	346,584
06/16/22	Technician	1	22,191	685	67	786	270	290	6	346,675
06/17/22	*		22,215	685	--	--	--	--	--	346,769
06/18/22	*		22,239	685	--	--	--	--	--	346,862
06/19/22	*		22,264	685	--	--	--	--	--	346,955
06/20/22	*		22,288	685	--	--	--	--	--	347,048
06/21/22	*		22,312	685	--	--	--	--	--	347,142
06/22/22	*		22,336	685	--	--	--	--	--	347,235
06/23/22	*		22,361	685	--	--	--	--	--	347,328
06/24/22	*		22,385	685	--	--	--	--	--	347,421
06/25/22	Technician	2	22,409	0	--	--	--	--	--	347,421
06/26/22	Off line		22,409	0	--	--	--	--	--	347,421
06/27/22	Off line		22,409	0	--	--	--	--	--	347,421
06/28/22	Off line		22,409	0	--	--	--	--	--	347,421
06/29/22	Technician		22,409	0	--	--	--	--	--	347,421
06/30/22	Off line		22,409	0	--	--	--	--	--	347,421

Cumulative Mass TPHg Removed by the VES [A] (lb)			
Period	June	Quarter 2 to Date	January 2018 to Date
Mass	2,686.0	8,600.4	355,262.2

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

Legend / Notes:

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

2 = System automatically shut down, left off in advance of site-wide well temperature survey.

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-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)

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

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

TABLE 6
Historical Summary of Analytical Vapor Sampling Results - Influent Thermal Oxidizer VES
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

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

TABLE 6
Historical Summary of Analytical Vapor Sampling Results - Influent Thermal Oxidizer VES
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

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

TABLE 6
Historical Summary of Analytical Vapor Sampling Results - Influent Thermal Oxidizer VES
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

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

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)
11/4/2020		Central Area - (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12), (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34); Eastern Area - (RW-1), (RW-7), (RW-8), (RW-13, RW-14), (RW-3, RW-4, RW-9, RW-10); Southern Area -(RW-30), (VEW-40, RW-26, RW-28), (RW-29), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49).	8015 & 8260B	**554**	**1,900**	**7,900**	**1,400**	**7,900**	**1.20**	**3.90**	**0.32**	**1.40**	<0.55	<2.0	**0.85**	**3.20**	**0.35**	**1.50**	**0.81**	**3.50**	**1.16**	**5.0**
12/7/2020		Central Area - (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12), (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34); Eastern Area - (RW-1), (RW-7), (RW-8), (RW-13, RW-14), (RW-3, RW-4, RW-9, RW-10); Southern Area -(RW-30), (VEW-40, RW-26, RW-28), (RW-29), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49).	8015 & 8260B	**512**	**1,300**	**5,500**	**1,000**	**5,500**	**0.94**	**3.00**	**0.35**	**1.50**	<0.55	<2.0	**0.74**	**2.80**	**0.37**	**1.60**	**0.85**	**3.70**	**1.22**	**5.3**
1/28/2021		Central Area - (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12), (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34); Eastern Area - (RW-1), (RW-7), (RW-8), (RW-13, RW-14), (RW-3, RW-4, RW-9, RW-10); Southern Area -(RW-30), (VEW-40, RW-26, RW-28), (RW-29), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49).	8015 & 8260B	**782**	**1,400**	**5,600**	**1,000**	**5,600**	**1.80**	**5.80**	**0.41**	**1.80**	<0.55	<2.0	**0.40**	**1.50**	**0.32**	**1.40**	**0.99**	**4.30**	**1.31**	**5.7**
2/24/2021		Central Area - (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12), (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34); Eastern Area - (RW-1), (RW-7), (RW-8), (RW-13, RW-14), (RW-3, RW-4, RW-9, RW-10); Southern Area -(RW-30), (VEW-40, RW-26, RW-28), (RW-29), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49).	8015 & 8260B	**826**	**980**	**4,000**	**740**	**4,000**	**1.40**	**4.60**	**0.41**	**1.80**	<0.55	<2.0	**0.42**	**1.60**	**0.25**	**1.10**	**0.92**	**4.00**	**1.17**	**5.1**
3/8/2021		Central Area - (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12), (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34); Eastern Area - (RW-1), (RW-7), (RW-8), (RW-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-21, RW-23), (RW-30), (VEW-38, VEW-40, RW-26, RW-28), (RW-24, RW-25, RW-27, RW-33, RW-43), (RW-22, RW-29), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	8015 & 8260B	**696**	**540**	**2,200**	**400**	**2,200**	**1.80**	**5.60**	**0.46**	**2.00**	<0.55	<2.0	**0.58**	**2.20**	**0.28**	**1.20**	**0.94**	**4.10**	**1.22**	**5.3**
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**

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)
7/7/2021		Central Area - (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-8), (RW-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-30), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	8015 & 8260B	**490**	**460**	**1,900**	**340**	**1,900**	**0.94**	**3.00**	**0.44**	**1.90**	<0.55	<2.0	**0.53**	**2.00**	**0.37**	**1.60**	**1.10**	**4.70**	**1.47**	**6.3**
8/9/2021		Central Area - (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-8), (RW-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-30), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	8015 & 8260B	**406**	**370**	**1,500**	**290**	**1,500**	**1.20**	**3.90**	**0.46**	**2.00**	<0.28	<1.0	**0.58**	**2.20**	**0.37**	**1.60**	**1.00**	**4.50**	**1.37**	**6.1**
9/20/2021		Central Area - (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-8), (RW-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-30), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	8015 & 8260B	**412**	**320**	**1,300**	**240**	**1,300**	**0.44**	**1.40**	**0.32**	**1.40**	<0.28	<1.0	**0.37**	**1.40**	**0.30**	**1.30**	**0.83**	**3.60**	**1.13**	**4.9**
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**

TABLE 6
Historical Summary of Analytical Vapor Sampling Results - Influent Thermal Oxidizer VES
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Sample Date	Notes	VES Wells On Line	Laboratory Analysis Methods	GRO Field OVA Reading	GRO		VOCs as Hexane[A]		Benzene		Ethylbenzene		MTBE		Toluene		o-Xylene		m,p-Xylenes		Total Xylenes	
				(ppmv)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)
3/9/2022		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**
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**

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 - Second 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 First Quarter 2022:	*149.2*	*1,020.9*
04/01/22	--	35.35	--	0.0	0.0	0.0	149.2	1,020.9
04/21/22	--	35.76	--	0.0	0.7	0.1	149.3	1,021.6
04/26/22	--	--	--	0.0	0.0	0.0	149.3	1,021.6
05/06/22	--	35.72	--	0.0	0.0	0.0	149.3	1,021.6
05/17/22	--	35.16	--	0.0	0.0	0.0	149.3	1,021.6
05/25/22	--	35.33	--	0.0	0.0	0.0	149.3	1,021.6
06/09/22	--	34.93	--	0.0	0.0	0.0	149.3	1,021.6
06/21/22	--	35.93	--	0.0	0.0	0.0	149.3	1,021.6
Cumulative for the Reporting Period [A]:				**0.0**	**0.7**	**0.1**	**0.1**	**0.7**
Cumulative Beginning January 2014 [A,B]:				**112.0**	**255.2**	**37.3**	**149.3**	**1,021.6**

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 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 - Second 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 First Quarter 2022:	*97.5*	*667.4*
04/01/22	--	34.48	--	0.0	1.9	0.3	97.8	669.3
04/21/22	--	34.92	--	0.0	2.3	0.3	98.1	671.5
04/26/22	--	34.57	--	0.0	1.6	0.2	98.4	673.1
05/06/22	--	34.86	--	0.0	1.9	0.3	98.6	675.0
05/17/22	--	34.52	--	0.0	2.1	0.3	98.9	677.1
05/25/22	--	34.58	--	0.0	1.4	0.2	99.1	678.5
06/09/22	--	34.32	--	0.0	2.0	0.3	99.4	680.5
06/21/22	--	35.09	--	0.0	0.0	0.0	99.4	680.5

Cumulative for the Reporting Period [A]:	**0.0**	**13.1**	**1.9**	**1.9**	**13.1**
Cumulative Beginning October 2016 [A,B]:	**33.5**	**451.3**	**65.9**	**99.4**	**680.5**

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 - Second 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 2nd 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 - Second 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 2nd 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 - Second 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 2nd 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 - Second 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 2nd 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 - Second 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 2nd 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 - Second 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 2nd 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 - Second 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 2nd 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 - Second 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 2nd 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 - Second 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 2nd 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 - Second 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 2nd 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 - Second 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 2nd 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 - Second 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 First Quarter 2022:	*347.1*	*2,375.4*
04/01/22	33.41	37.02	3.61	2.3	--	--	349.4	2,391.1
04/12/22	--	--	--	0.0	--	--	349.4	2,391.1
05/05/22	33.22	36.12	2.90	0.0	--	--	349.4	2,391.1
05/18/22	33.30	36.38	3.08	2.3	--	--	351.7	2,406.7
05/25/22	33.51	35.33	1.82	1.5	--	--	353.2	2,417.2
06/07/22	33.54	34.86	1.32	0.8	--	--	354.0	2,422.4
06/10/22	34.12	34.96	0.84	0.8	--	--	354.7	2,427.6
06/16/22	33.38	34.40	1.02	0.8	--	--	355.5	2,432.8
06/27/22	34.39	35.46	1.07	0.8	--	--	356.3	2,438.0
06/29/22	--	--	--	0.0	--	--	356.3	2,438.0
Cumulative for the Reporting Period:				**9.1**	**0.0**	**0.0**	**9.1**	**62.6**
Cumulative Beginning October 2018 [A,B]:				**356.3**	**0.0**	**0.0**	**356.3**	**2,438.0**

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 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 - Second 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 First Quarter 2022:	*110.1*	*753.3*
05/25/22	--	34.02	0.00	0.0	3.4	0.5	110.6	756.6
06/09/22	--	34.04	0.00	0.0	3.0	0.4	111.0	759.6
06/21/22	--	34.02	0.00	0.0	1.9	0.3	111.3	761.5
Cumulative for the Reporting Period:				**0.0**	**8.3**	**1.2**	**1.2**	**8.2**
Cumulative Beginning October 2018 [A,B]:				**110.1**	**8.3**	**1.2**	**111.3**	**761.5**

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-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 - Second 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 First Quarter 2022:	*968.5*	*6,627.9*
04/01/22	33.97	34.69	0.72	--	4.1	0.6	969.1	6,632.0
04/01/22	--	34.03	0.00	--	2.9	0.4	969.6	6,634.9
04/21/22	34.21	35.92	1.71	--	3.4	0.5	970.1	6,638.3
04/26/22	34.45	34.88	0.43	--	3.3	0.5	970.5	6,641.6
05/05/22	34.27	35.35	1.08	--	3.6	0.5	971.1	6,645.2
05/18/22	33.40	35.38	1.98	1.5	--	--	972.6	6,655.7
05/25/22	33.12	34.98	1.86	1.5	--	--	974.1	6,666.1
06/07/22	33.50	36.05	2.55	1.5	--	--	975.6	6,676.5
06/10/22	33.83	36.13	2.30	1.5	--	--	977.2	6,686.9
06/16/22	33.68	36.25	2.57	0.0	--	--	977.2	6,686.9
06/27/22	34.21	35.75	1.54	0.0	--	--	977.2	6,686.9
06/29/22	34.29	35.53	1.24	0.8	--	--	977.9	6,692.2
Cumulative for the Reporting Period [A]:				**6.9**	**17.3**	**2.5**	**9.4**	**64.2**
Cumulative Beginning April 2018 [A,B,C,D]:				**975.4**	**17.3**	**2.5**	**977.9**	**6,692.2**

Legend / Notes:

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

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

B = Cumulative LNAPL removed since 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 - Second 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 2nd 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 - Second 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 First Quarter 2022:	*680.7*	*4,657.9*
04/01/22	--	33.63	0.00	0.0	1.4	0.2	680.9	4,659.3
04/21/22	--	34.02	0.00	0.0	1.5	0.2	681.1	4,660.8
04/26/22	--	34.28	0.00	0.0	1.5	0.2	681.3	4,662.3
05/06/22	--	33.73	0.00	0.0	0.0	0.0	681.3	4,662.3
05/17/22	--	34.07	0.00	0.0	1.8	0.3	681.6	4,664.1
05/25/22	--	33.85	0.00	0.0	0.0	0.0	681.6	4,664.1
06/09/22	--	34.02	0.00	0.0	1.0	0.1	681.7	4,665.1
06/21/22	--	34.02	0.00	0.0	1.9	0.3	682.0	4,667.0

Cumulative for the Reporting Period:	**0.0**	**9.1**	**1.3**	**1.3**	**9.0**
Cumulative Beginning May 2016 - July 2016 [A]:	**47.5**	**0.0**	**0.0**	**47.5**	**325.1**
Cumulative Beginning August 2016 - September 2019 [B]:	**593.4**	**0.0**	**0.0**	**593.4**	**4,061.5**
Cumulative Beginning May 2016 [A]:	**679.1**	**19.9**	**2.9**	**682.0**	**4,667.0**

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 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 shutd February 14, 2020 due to insufficient yield.

TABLE 7S
Summary of LNAPL Removal in Well RTF-18-NW - Second 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 2nd 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 - Second 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 2nd 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 - Second 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 2nd 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 - Second 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 2nd 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 - Second 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 2nd 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
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

TABLE 8
Historical Summary of Analytical Groundwater Sampling Results - Influent GWETS
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

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

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)
05/11/15	5	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	<60	**330**	**16**	**5.2**	**5.9**	**37**	**14**	<7.0	**0.58 J**	<0.50	<0.40	<0.30
06/03/15		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**150**	**340**	**20**	**6.6**	**12**	**22**	**25**	<7.0	**0.52 J**	<0.50	<0.40	<0.30
07/09/15		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**180**	**610**	<0.20	<0.30	<0.20	<0.40	<0.30	<7.0	**0.62 J**	<0.50	<0.40	<0.30
08/17/15		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**430**	<40	<0.20	<0.30	<0.20	**0.95 J**	<0.30	<7.0	**0.71 J**	<0.50	<0.40	<0.30
09/03/15		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**86 J**	**570**	**5.9**	**0.37 J**	**3.7**	**10**	**14**	<7.0	**0.45 J**	<0.50	<0.40	<0.30
10/05/15		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	<60	**500**	**7.3**	<0.30	**8.7**	**35**	**15**	<7.0	**0.73 J**	<0.50	<0.40	<0.30
11/02/15		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**420**	**3,400**	**5.1**	<0.30	**17**	**130**	**22**	<7.0	**0.85 J**	<0.50	<0.40	<0.30
12/07/15		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**710**	**3,800**	**0.70**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
01/12/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**2,000**	**510**	**14**	<0.30	**3.6**	**25**	**7.0**	<7.0	<0.40	<0.50	<0.40	<0.30
02/01/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**72 J**	**180**	**13**	<0.30	**0.53**	**2.7**	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
03/14/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**270**	**1,100**	**0.91**	<0.30	<0.20	**1.6**	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
04/04/16	5	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**76 J**	**100**	**0.99**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
05/04/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**170**	**470**	<0.20	<0.30	<0.20	**1.3**	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
06/01/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**280**	**75 J**	**4.9**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.43 J**	<0.50	<0.40	<0.30
07/11/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**330**	<40	**4.7**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.79 J**	<0.50	<0.40	<0.30
08/01/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	<60	<40	**3.7**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
09/01/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	<60	<40	**2.7**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
10/12/16	5	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**230**	<40	**4.5**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
11/01/16	5	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**120**	**52 J**	**3.1**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
12/05/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**450**	**51 J**	<0.20	<0.30	<0.20	<0.40	<0.30	<7.0	**0.60 J**	<0.50	<0.40	<0.30
01/09/17		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**150**	<40	**4.4**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.58 J**	<0.50	<0.40	<0.30
02/06/17	6	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**110**	<40	**3.5**	<0.30	**0.41 J**	**0.60 J**	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
03/15/17	5	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**68 J**	<40	**4.3**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.60 J**	<0.50	<0.40	<0.30
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

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)
07/19/17	5	GW-2, GW-15, GW-16	8015M & 8260B	**75 J**	<40	**3.4**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
08/02/17		GW-2, GW-15, GW-16	8015M & 8260B	**80 J**	<40	**4.0**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.88 J**	<0.50	<0.40	<0.30
09/13/17		GW-2, GW-15, GW-16	8015M & 8260B	**84 J**	<40	<0.20	<0.30	<0.20	<0.40	<0.30	<7.0	**0.69 J**	<0.50	<0.40	<0.30
10/16/17		GW-2, GW-15, GW-16	8015M & 8260B	**64 J**	<40	**3.7**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.54 J**	<0.50	<0.40	<0.30
11/13/17		GW-2, GW-15, GW-16	8015M & 8260B	**78 J**	<40	**4.5**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.54 J**	<0.50	<0.40	<0.30
12/11/17	7	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	<60	<40	**2.8**	<0.30	<0.20	<0.40	<0.30	**8.8 J**	<0.40	<0.50	<0.40	<0.30
01/11/18	7	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**73 J**	<40	**2.0**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
02/26/18	7	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**130**	<40	**5.3**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.49 J**	<0.50	<0.40	<0.30
03/20/18	7	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	<60	<40	**4.4**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.47 J**	<0.50	<0.40	<0.30
04/02/18	7	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**65 J**	<40	**2.9**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.50 J**	<0.50	<0.40	<0.30
05/02/18	7	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**130**	<40	**2.5**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.74 J**	<0.50	<0.40	<0.30
06/04/18		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	<60	<40	**0.74**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
07/02/18	7,8	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	<60	<40	**1.1**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.41 J**	<0.50	<0.40	<0.30
08/06/18		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	<60	<40	**3.1**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
09/13/18		GW-2, GW-15, GW-16	8015M & 8260B	<60	<40	**0.38 J**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
10/29/18		GW-15, GW-16	8015M & 8260B	<60	<40	**2.4**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
11/14/18		GW-15, GW-16	8015M & 8260B	<60	<40	**2.0**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
12/17/18	7	GW-2, GW-13, GW-15, GW-16	8015M & 624	**170**	<100	<0.5	<2.0	<2.0	<2.0	<2.0	<10	<2.0	<2.0	<2.0	<2.0
01/08/19		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	--	<40	**1.4**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.92 J**	<0.50	<0.40	<0.30
02/06/19	9	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	<60	<40	**1.4**	<0.30	<0.20	**0.52 J**	<0.30	<7.0	**0.49 J**	<0.50	<0.40	<0.30
01/30/20	10,11	GW-13, GW-15, GW-16	8015B	**790**	--	--	--	--	--	--	--	--	--	--	--
03/11/20	10,11	GW-15, GW-16	8015B & EPA 624	**370**	--	<5.0	<5.0	<5.0	<1.0	<0.5	<10	<0.5	<0.5	<0.5	<0.5
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

TABLE 8
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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)
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, 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, 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
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

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.

TABLE 8
Historical Summary of Analytical Groundwater Sampling Results - Influent GWETS
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Legend / Notes:

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.

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	--	--

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
06/17/16	6	HW-1, HW-3, HW-5	740	--	470	330	--	--
07/06/16	6,10	HW-1, HW-3, HW-5	480	--	340	220	--	--
08/05/16	6	HW-1, HW-3, HW-5	240	4	190	230.0	--	--
09/01/16	6,10	HW-1, HW-3, HW-5	280	--	220	260	--	--
10/20/16	4,6,10,11	HW-1, HW-3, HW-5, HW-7	200	140	240	280	--	--
11/01/16	6,10	HW-1, HW-3, HW-5, HW-7	160	120	180	260	--	--
12/05/16	4,6,10	HW-1, HW-3, HW-5, HW-7	120	100	200	240	--	--
01/09/17	6,10	HW-1, HW-3, HW-5, HW-7	80	17	180	200	--	--
02/06/17	4,6,10	HW-1, HW-3, HW-5, HW-7	100	13	160	180	--	--
03/20/17	12	HW-1, HW-3, HW-5, HW-7	110	12	120	160	--	--
04/17/17		HW-1, HW-3, HW-5, HW-7	120	10	160	220	--	--
05/03/17		HW-1, HW-3, HW-5, HW-7	100	19	140	260	--	--
06/05/17		HW-1, HW-3, HW-5	107	15	82	211	--	--
07/19/17	13	HW-5, HW-7 and VEW-39	--	49	79	286	--	--
08/09/17	14,15	HW-1, HW-5, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	192	--	94	236	--	--
09/07/17	14,15	HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	180	--	60	220	--	--
10/12/17	14,15	HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	220	--	80	260	--	--
11/02/17	14,15	HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	346	--	105	334	--	--
12/11/17	14,15	HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	280	--	90	220	--	--
01/11/18	15,16	HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-1, RW-9, RW-13, RW-18 and RW-26	160	--	120	340	--	--
02/12/18	15	HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-1 through RW-18, and RW-26	60	--	75	290	--	--
03/14/18	15	HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-1, -4, -5, -7, -9, -10, -11, -13, -14, -18 and -26	--	--	--	--	--	--
03/28/18	15	HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-1, -4, -5, -7, -9, -10, -11, -13, -14, -18 and -26	200	--	160	240	--	--
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	--	--	--	--	--	--

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
07/16/18	15	HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-19, -20, -22, -24, -26 through -30, -32, -33, -35 through -38 and -40 through -50	--	--	--	--	--	--
07/30/18	15	HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-19, -20, -22, -24, -26 through -30, -32, -33, -35 through -38 and -40 through -50	--	--	--	--	--	--
08/29/18	15	HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-19, -20, -22, -24, -26 through -30, -32, -33, -35 through -38 and -40 through -50	--	--	--	--	--	--
12/03/18	15	HW-1, HW-5, HW-7, RW-1, -4, -5, -9, -10, -11, -14, -18, VEW-40, RW- 22, -24, -26, -27 -28, -29, -35, -40, -44, 30,-32, -33, -36, -37, -41, -42, -43, -46, -47, -48, -49, -50	--	--	--	--	--	--
01/25/19	15	HW-1, HW-5, HW-7, RW-1, -4, -5, -9, -10, -11, -14, -18, VEW-40, RW- 22, -24, -26, -27 -28, -29, -35, -40, -44, 30,-32, -33, -36, -37, -41, -42, -43, -46, -47, -48, -49, -50	1,127	--	375	474	--	--
02/12/19	15	HW-1, HW-5, HW-7, RW-1, -4, -5, -9, -10, -11, -14, -18, VEW-40, RW- 22, -24, -26, -27 -28, -29, -35, -40, -44, 30,-32, -33, -36, -37, -41, -42, -43, -46, -47, -48, -49, -50	1,845	--	696	718	--	--
03/06/19	15	HW-1, HW-5, HW-7, RW-1, -4, -5, -9, -10, -11, -14, -18, VEW-40, RW- 22, -24, -26, -27 -28, -29, -35, -40, -44, 30,-32, -33, -36, -37, -41, -42, -43, -46, -47, -48, -49, -50	1,309	--	1,115	939	--	--
03/12/19	15,17	HW-1, HW-5, HW-7, RW-1, -4, -5, -9, -10, -11, -14, -18, VEW-40, RW- 22, -24, -26, -27 -28, -29, -35, -40, -44, 30,-32, -33, -36, -37, -41, -42, -43, -46-, -47, -48, -49, -50	--	--	--	--	--	--
03/20/19	15	HW-1, HW-5, HW-7, RW-1, -4, -5, -9, -10, -11, -14, -18, VEW-40, RW- 22, -24, -26, -27 -28, -29, -35, -40, -44, 30,-32, -33, -36, -37, -41, -42, -43, -46, -47, -48, -49, -50	591	--	234	730	--	--
03/26/19	15	HW-1, HW-5, HW-7, RW-1, -4, -5, -9, -10, -11, -14, -18, VEW-40, RW- 22, -24, -26, -27 -28, -29, -35, -40, -44, 30,-32, -33, -36, -37, -41, -42, -43, -46, -47, -48, -49, -50	--	--	--	--	--	--
04/09/19	15,18	HW-1, HW-5, HW-7, RW-1, -4, -5, -9, -10, -11, -14, -18, VEW-40, RW- 22, -24, -26, -27 -28, -29, -35, -40, -44, 30,-32, -33, -36, -37, -41, -42, -43, -46, -47, -48, -49, -50	>15,000	--	1,541	1,725	--	--
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

TABLE 9A
Historical Summary of Field Vapor Readings - Former Tank Farm Horizontal Wells
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Notes	Vapor Extraction System(s) Wells On Line *	Well GRO Concentration (ppmv) / Screen Depth for Horizontal Wells or Interval in Feet Below Grade for Vertical Wells					
			HW-1	HW-3 **	HW-5	HW-7 **	HW-8	HW-9
			25	25	25	25	60	220
03/24/20		HW-1, HW-5, HW-7, HW-8, HW-9	339	--	57	156	6	2,681
04/01/20		HW-1, HW-5, HW-7, HW-8, HW-9	132	--	5	87	4	1,982
04/10/20		HW-1, HW-5, HW-7, HW-8, HW-9	172	--	5	145	0	378
04/15/20		HW-1, HW-5, HW-7, HW-8, HW-9	143	--	4	286	3	768
04/24/20		HW-1, HW-5, HW-7, HW-8, HW-9	83	--	16	337	4	780
05/01/20		HW-1, HW-5, HW-7, HW-8, HW-9	108	--	1	15000+	1	15000+
05/06/20		HW-1, HW-5, HW-7, HW-8, HW-9	99	--	18	15000+	2	15000+
05/15/20		HW-1, HW-5, HW-7, HW-8, HW-9	199	--	8	697	7	1,058
05/28/20		HW-1, HW-5, HW-7, HW-8, HW-9	105	--	5	636	5	1,841
06/03/20		HW-1, HW-5, HW-7, HW-8, HW-9	88	--	3	475	4	968
06/09/20		HW-1, HW-5, HW-7, HW-8, HW-9	73	--	3	399	1	853
06/22/20		HW-1, HW-5, HW-7, HW-8, HW-9	140	--	71	493	3	957
06/23/20	21	HW-1, HW-7, HW-9	--	--	--	--	--	--
07/01/20		HW-1, HW-7, HW-9	165	--	--	615	--	1,867
07/07/20		HW-1, HW-7, HW-9	123	--	--	457	--	1,882
07/17/20		HW-1, HW-7, HW-9	127	--	--	387	--	3,470
07/20/20		HW-1, HW-7, HW-9	127	--	--	339	--	1,893
07/31/20		HW-1, HW-7, HW-9	106	--	--	330	--	211
08/07/20		HW-1, HW-7, HW-9	320	--	--	503	--	929
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

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
11/5/20		HW-1, HW-7, HW-9	107	--	49	165	124	1,421
11/16/20		HW-1, HW-5, HW-7, HW-9	64	--	25	134	--	964
11/24/20		HW-1, HW-5, HW-7, HW-9	46	--	104	--	--	993
1/15/21		HW-1, HW-9, HW-5, HW-7	48	--	72	56	--	976
2/4/21		HW-1, HW-9, HW-5, HW-7	139	--	77	59	--	421
2/8/21		HW-1, HW-9, HW-5, HW-7	48	--	--	--	--	--
2/24/21		HW-1, HW-9, HW-5, HW-7	43	--	6	35	--	1,287
3/4/21		HW-1, HW-8, HW-9, HW-5, HW-7	48	--	33	295	46	535
3/8/21	22	HW-1, HW-8, HW-9, HW-5, HW-7	48	--	19	231	3	458
3/15/21		HW-1, HW-9, HW-5, HW-7	37	--	48	245	--	1,192
3/24/21		HW-1, HW-9, HW-5, HW-7	43	--	63	73	--	1,274
3/30/21		HW-1, HW-9, HW-5, HW-7	--	--	73	68	--	1,150
4/6/21		HW-1, HW-9, HW-5, HW-7	43	--	49	346	--	592
4/15/21		HW-1, HW-9, HW-5, HW-7	33	--	33	193	--	605
4/19/21		HW-1, HW-9, HW-5, HW-7	71	--	42	--	--	369
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

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
9/14/21		HW-1, HW-9, HW-5, HW-7	59	--	54	201	--	710
9/20/21		HW-1, HW-9, HW-5, HW-7	63	--	45	153	--	634
9/27/21		HW-1, HW-9, HW-5, HW-7	22	--	14	92	--	788
10/5/21		HW-1, HW-9, HW-5, HW-7	54	--	29	137	--	663
10/13/21		HW-1, HW-9, HW-5, HW-7	17	--	1	90	--	373
10/18/21		HW-1, HW-9, HW-5, HW-7	38	--	7	121	--	621
10/27/21		HW-1, HW-9, HW-5, HW-7	23	--	26	184	--	463
11/1/21		HW-1, HW-9, HW-5, HW-7	65	--	78	145	--	917
11/9/21		HW-1, HW-9, HW-5, HW-7	26	--	14	130	--	546
11/17/21		HW-1, HW-9, HW-5, HW-7	16	--	3	165	--	427
11/30/21		HW-1, HW-9, HW-5, HW-7	14	--	40	187	--	376
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
1/10/22		HW-1, HW-9, HW-5, HW-7	--	--	--	--	--	--
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
2/4/22		HW-1, HW-9, HW-5, HW-7	--	--	--	--	--	--
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
3/17/22		HW-1, HW-9, HW-5, HW-7	--	--	--	--	--	--
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

TABLE 9A
Historical Summary of Field Vapor Readings - Former Tank Farm Horizontal Wells
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Notes	Vapor Extraction System(s) Wells On Line *	Well GRO Concentration (ppmv) / Screen Depth for Horizontal Wells or Interval in Feet Below Grade for Vertical Wells					
			HW-1	HW-3 **	HW-5	HW-7 **	HW-8	HW-9
			25	25	25	25	60	220
4/26/22		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

Legend / Notes:

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

Concentrations measured using calibrated field OVA.

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

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

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

Date	Notes	Vapor Extraction System(s) Wells On Line *	Well GRO Concentration (ppmv) / Screen Interval in Feet Below Grade																																		
			Truckline #1, VECV #17					Truckline #3, VECV #14					Truckline #3, VECV #15					Truckline #4, VECV #16					Truckline #4, VECV #18					Truckline #5, VECV #19					Truckline #5, VECV #20				
			TFR-21	TFR-26	TFR-27	TFR-28	TFR-34	TF-18	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

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

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			

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
HW-3 *	07/09/14	1		**20**	<4.9	<20	<0.2	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	10/23/14			**20**	<4.9	<20	<0.2	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	04/27/15			**138**	**66**	**270**	**0.28**	**0.9**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/10/15			**28**	**7.3**	**30**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	01/18/17	2		**17**	**8.5**	**30**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
HW-5	07/09/14	1		**140**	**46**	**190**	<0.2	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	10/23/14			**2.9**	<4.9	<20	<0.2	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	04/27/15			**400**	**290**	**1,200**	**0.17**	**0.55**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	**0.30**	**1.3**	<0.55	<2.0
	08/10/15			**676**	**930**	**3,800**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	02/08/16			**300**	**320**	**1,300**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	04/06/16			**260**	**210**	**870**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/08/16			**190**	**120**	**480**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	01/18/17	2		**180**	**85**	**300**	**0.34**	**1.1**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	11/02/17			**105**	**39**	**160**	**0.21**	**0.7**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	02/12/18			**75**	**90**	**370**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	03/28/18			**91**	**140**	**560**	**0.63**	**2.0**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/06/18			**--**	**100**	**410**	**0.50**	**1.6**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	02/12/19			**696**	**270**	**1,100**	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	11/25/19			**501**	**170**	**710**	**0.56**	**1.8**	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	02/18/20			**4**	<4.9	<20	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	05/15/20			**8**	<4.9	<20	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	08/24/20			**12**	<4.9	<20	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	11/05/20			**49**	<4.9	<20	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0

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	02/24/21		8015 & 8260B	**6**	<4.9	<20	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	07/07/21			**37**	<4.9	<20	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	10/18/21			**7**	<4.9	<20	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.28	<1.0
	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
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
HW-8	11/25/19	8		**--**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/18/20			**3**	<4.9	<20	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	05/15/20			**7**	<4.9	<20	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	08/24/20			**15**	<4.9	<20	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	11/05/20			**124**	<4.9	<20	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
HW-9	11/25/19	8		**1,820**	**390**	**1,600**	<0.16	<0.5	<0.13	<0.50	**0.25**	**1.1**	**0.35**	**1.50**	**0.94**	**4.10**	<0.55	<2.0
	02/18/20			**530**	**320**	**1,300**	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	05/15/20			**1,058**	**510**	**2,100**	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	08/24/20			**7,848**	**560**	**2,300**	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	11/05/20			**1,421**	**340**	**1,400**	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	02/24/21			**1,287**	**320**	**1,300**	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	07/07/21			**613**	**160**	**670**	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	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

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-32	07/09/14	1	8015 & 8260B	**154**	**132**	**540**	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	10/23/14			**191**	**19**	**76**	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	04/27/15			**210**	**320**	**1,300**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/10/15			**456**	**460**	**1,900**	**0.66**	**2.1**	<0.13	<0.50	**0.23**	**1.0**	<0.12	<0.50	**0.46**	**2.0**	<0.55	<2.0
	02/08/16			**160**	**130**	**550**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	04/06/16			**60**	**17**	**68**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/17			**9.0**	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
VEW-33	07/09/14	1		**10**	<4.9	<20	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	10/23/14			**22**	**6.6**	**27**	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	04/27/15			**324**	**270**	**1,100**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/10/15			**334**	**290**	**1,200**	**0.50**	**1.6**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	**0.32**	**1.4**	<0.55	<2.0
	02/08/16			**220**	**270**	**1,100**	**0.38**	**1.2**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	04/06/16			**380**	**340**	**1,400**	**0.50**	**1.6**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	**0.25**	**1.1**	<0.55	<2.0
	06/27/17			**5.8**	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
VEW-34	07/09/14	1		**4.2**	<4.9	<20	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	10/23/14			**8.0**	<4.9	<20	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	04/27/15			**115**	**44**	**180**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/10/15			**63**	**14**	**57**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/17			**7.0**	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
VEW-35	07/09/14	1		**5.5**	<4.9	<20	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	10/23/14			**28**	<4.9	<20	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	04/27/15			**4.8**	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/10/15			**16.4**	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/17			**4.5**	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
VEW-36	07/09/14	1		**6.4**	<4.9	<20	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	10/23/14			**9.1**	<4.9	<20	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	04/27/15			**5.7**	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/10/15			**2.2**	**8.1**	**33**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/17			**6.7**	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
VEW-37	07/09/14	1		**20**	<4.9	<20	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	10/23/14			**151**	<4.9	<20	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	04/27/15			**2.4**	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/10/15			**3.9**	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/17			**5.7**	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
VEW-38	06/27/17	3		**331**	**37**	**150**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	07/27/17			**--**	**490**	**2,000**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	09/07/17			**480**	**440**	**1,800**	<0.16	<0.50	<0.13	<0.50	**0.17**	**0.74**	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/18	4		**51**	**8.3**	**34**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
VEW-39	06/27/17	3		**130**	**37**	**150**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	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

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

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-29	08/09/17	5	8015 & 8260B	**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
RW-47	06/27/18	4		**751**	**240**	**1,000**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
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 - April

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)
04/01/22	*		20,424.3	--	--	--	--	--	--	--
04/02/22	*		20,448.6	--	--	--	--	--	--	--
04/03/22	*		20,473.0	--	--	--	--	--	--	--
04/04/22	*		20,497.4	--	--	--	--	--	--	--
04/05/22	*		20,521.7	--	--	--	--	--	--	--
04/06/22	*		20,546.1	--	--	--	--	--	--	--
04/07/22	*		20,570.4	--	--	--	--	--	--	--
04/08/22	Technician		20,594.8	7	250	148	6	9.0	5	135
04/09/22	*		20,617.4	--	--	--	--	--	--	--
04/10/22	*		20,639.9	--	--	--	--	--	--	--
04/11/22	*		20,662.5	--	--	--	--	--	--	--
04/12/22	Technician		20,685.0	9	203	108	7	9.5	6	96
04/13/22	*		20,710.7	--	--	--	--	--	--	--
04/14/22	*		20,734.9	--	--	--	--	--	--	--
04/15/22	*		20,759.0	--	--	--	--	--	--	--
04/16/22	*		20,783.2	--	--	--	--	--	--	--
04/17/22	*		20,807.3	--	--	--	--	--	--	--
04/18/22	*		20,831.5	--	--	--	--	--	--	--
04/19/22	*		20,855.6	--	--	--	--	--	--	--
04/20/22	*		20,879.8	--	--	--	--	--	--	--
04/21/22	Technician		20,903.9	11	225	122	8	9.8	7	107
04/22/22	*		20,927.7	--	--	--	--	--	--	--
04/23/22	*		20,951.5	--	--	--	--	--	--	--
04/24/22	*		20,975.3	--	--	--	--	--	--	--
04/25/22	*		20,999.1	--	--	--	--	--	--	--
04/26/22	*		21,022.9	--	--	--	--	--	--	--
04/27/22	*		21,046.7	--	--	--	--	--	--	--
04/28/22	*		21,070.5	--	--	--	--	--	--	--
04/29/22	*		21,094.3	--	--	--	--	--	--	--
04/30/22	*		21,118.1	--	--	--	--	--	--	--

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 - May

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)
05/01/22	*		21,141.9	--	--	--	--	--	--	--
05/02/22	Technician		21,165.7	8	215	120	7	8.0	7.0	108
05/03/22	*		21,189.8	--	--	--	--	--	--	--
05/04/22	*		21,213.8	--	--	--	--	--	--	--
05/05/22	*		21,237.9	--	--	--	--	--	--	--
05/06/22	*		21,262.0	--	--	--	--	--	--	--
05/07/22	*		21,286.0	--	--	--	--	--	--	--
05/08/22	*		21,310.1	--	--	--	--	--	--	--
05/09/22	*		21,334.1	--	--	--	--	--	--	--
05/10/22	Technician		21,358.2	8	215	126	7	8.5	6.0	109
05/11/22	*		21,382.0	--	--	--	--	--	--	--
05/12/22	*		21,405.8	--	--	--	--	--	--	--
05/13/22	*		21,429.6	--	--	--	--	--	--	--
05/14/22	*		21,453.4	--	--	--	--	--	--	--
05/15/22	*		21,477.1	--	--	--	--	--	--	--
05/16/22	*		21,500.9	--	--	--	--	--	--	--
05/17/22	*		21,524.7	--	--	--	--	--	--	--
05/18/22	Technician		21,548.5	8	215	126	7	8.5	6.0	106
05/19/22	*		21,572.7	--	--	--	--	--	--	--
05/20/22	*		21,596.8	--	--	--	--	--	--	--
05/21/22	*		21,621.0	--	--	--	--	--	--	--
05/22/22	*		21,645.1	--	--	--	--	--	--	--
05/23/22	*		21,669.3	--	--	--	--	--	--	--
05/24/22	*		21,693.4	--	--	--	--	--	--	--
05/25/22	Technician		21,717.6	9	215	115	7	9.5	5.5	106
05/26/22	*		21,740.9	--	--	--	--	--	--	--
05/27/22	*		21,764.2	--	--	--	--	--	--	--
05/28/22	*		21,787.4	--	--	--	--	--	--	--
05/29/22	*		21,810.7	--	--	--	--	--	--	--
05/30/22	*		21,834.0	--	--	--	--	--	--	--
05/31/22	*		21,857.3	--	--	--	--	--	--	--

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 - June

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)
06/01/22	Technician	1	21,880.5	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
06/02/22	*		21,903.8	--	--	--	--	--	--	--
06/03/22	Technician		21,927.1	9	202	113	7	8.2	7	105
06/04/22	*		21,951.0	--	--	--	--	--	--	--
06/05/22	*		21,974.8	--	--	--	--	--	--	--
06/06/22	*		21,998.7	--	--	--	--	--	--	--
06/07/22	*		22,022.6	--	--	--	--	--	--	--
06/08/22	*		22,046.4	--	--	--	--	--	--	--
06/09/22	Technician		22,070.3	11	235	134	10	8.9	10	120
06/10/22	*		22,081.9	--	--	--	--	--	--	--
06/11/22	*		22,093.6	--	--	--	--	--	--	--
06/12/22	*		22,105.2	--	--	--	--	--	--	--
06/13/22	*		22,116.8	--	--	--	--	--	--	--
06/14/22	*		22,128.5	--	--	--	--	--	--	--
06/15/22	Technician	2	22,140.1	9	230	128	8	9.5	7	115
06/16/22	*		22,163.7	--	--	--	--	--	--	--
06/17/22	*		22,187.3	--	--	--	--	--	--	--
06/18/22	*		22,210.8	--	--	--	--	--	--	--
06/19/22	*		22,234.4	--	--	--	--	--	--	--
06/20/22	*		22,258.0	--	--	--	--	--	--	--
06/21/22	*		22,281.6	--	--	--	--	--	--	--
06/22/22	*		22,305.1	--	--	--	--	--	--	--
06/23/22	Technician		22,328.7	11	240	135	9	9.0	8	124
06/24/22	*		22,335.5	--	--	--	--	--	--	--
06/25/22	*		22,342.4	--	--	--	--	--	--	--
06/26/22	*		22,349.2	--	--	--	--	--	--	--
06/27/22	*		22,356.1	--	--	--	--	--	--	--
06/28/22	*		22,362.9	--	--	--	--	--	--	--
06/29/22	*		22,369.7	--	--	--	--	--	--	--
06/30/22	*		22,376.6	--	--	--	--	--	--	--

Legend / Notes:

System operating under SCAQMD Various Locations Permit #G52288

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

2 = Biosparge system automatically shut down prior to technician visit, restarted upon arrival.

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

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

enthalpy.com

Lab Job Number: 462069
Report Level: II
Report Date: 05/12/2022

Analytical Report *prepared for:*

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

Project: PERMIT #22453_WW - WW

Authorized for release by:

Diane Galvan, Project Manager
714-771-9928
diane.galvan@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

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

Lab Job #:	462069
Project No:	PERMIT #22453_WW
Location:	WW
Date Received:	04/28/22

Sample ID	Lab ID	Collected	Matrix
SURGE TANK_04-28-22	462069-001	04/28/22 06:44	Water
EFFLUENT_04-28-22	462069-002	04/28/22 06:18	Water

CHAIN OF CUSTODY RECORD

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

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

ENTHALPY ANALYTICAL

www.enthalpy.com

Lab Number: 412069
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, kaly.ryan@apexcos.com
Address: 1962 Freeman Ave
Signal Hill, CA 90755
Phone: 562-597-1055 Fax:

PROJECT INFORMATION

Name: WW
Number: Permit #22453
Address: 15306 Norwalk Blvd
Norwalk, CA 90650
Global ID:
P.O. #:
Sampled By: Glenn Androsko

	Sample ID	Date	Time	Matrix	Container	Pres.	8015 TPHD (DRO)	8015 TPHG (GRO)	624-VOCs (BTEX plus m,p-xylenes &	Test Instruction & Comments
	04-28-22									Enthalpy Quote No.: APEX_012120
1	Surge Tank ~~01-19-22~~	4-28-22	0644	W	*	*	X	X	X	
2	Effluent ~~01-19-22~~ 04-28-22	"	0618	W	*	*	X	X	X	*TPHD - 1L amber, unpreserved
3										*TPHG - 3x 40ml VOA vials w/HCl
4										*624-VOCs - 3x 40ml VOA vials w/HCl
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										

Analysis

Meter Readings		pH	Temp.	Time
1) Begin:				
End:				
2) Begin:				
End:				
3) Begin:				
End:				
4) Begin:				
End:				

	Relinquished By: 1	Received By: 1	Relinquished By: 2	Received By: 2	Authorized By:
Print Name:	Glenn Androsko	G Kim			
Date:	4-28-22	4/28/22			
Time:	1205	1205			

	Relinquished By: 3	Received By: 3	Relinquished By: 4	Received By: 4
Print Name:				
Date:				
Time:				

5.2/2.8

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: APEX Project: Permit #22453

Date Received: 4/28/22 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: 5.2 #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: 2.8 #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: 4/28/22

ENTHALPY ANALYTICAL

Analysis Results for 462069

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

Lab Job #: 462069
Project No: PERMIT #22453_WW
Location: WW
Date Received: 04/28/22

Sample ID: SURGE TANK_04-28-22 **Lab ID: 462069-001** **Collected: 04/28/22 06:44**
Matrix: Water

462069-001 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	288685	05/04/22	05/04/22	ILK
Isopropyl Ether (DIPE)	ND		ug/L	5.0	1	288685	05/04/22	05/04/22	ILK
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0	1	288685	05/04/22	05/04/22	ILK
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0	1	288685	05/04/22	05/04/22	ILK
tert-Butyl Alcohol (TBA)	ND		ug/L	10	1	288685	05/04/22	05/04/22	ILK
m,p-Xylenes	ND		ug/L	10	1	288685	05/04/22	05/04/22	ILK
o-Xylene	ND		ug/L	5.0	1	288685	05/04/22	05/04/22	ILK
Benzene	ND		ug/L	5.0	1	288685	05/04/22	05/04/22	ILK
Toluene	ND		ug/L	5.0	1	288685	05/04/22	05/04/22	ILK
Ethylbenzene	ND		ug/L	5.0	1	288685	05/04/22	05/04/22	ILK
Xylene (total)	ND		ug/L	5.0	1	288685	05/04/22	05/04/22	ILK
Surrogates				**Limits**					
Dibromofluoromethane	98%		%REC	70-140	1	288685	05/04/22	05/04/22	ILK
1,2-Dichloroethane-d4	106%		%REC	70-140	1	288685	05/04/22	05/04/22	ILK
Toluene-d8	99%		%REC	70-140	1	288685	05/04/22	05/04/22	ILK
Bromofluorobenzene	100%		%REC	70-140	1	288685	05/04/22	05/04/22	ILK
Method: EPA 8015B Prep Method: EPA 5030B									
TPH Gasoline	ND		ug/L	50	1	288383	04/29/22	04/29/22	EMW
Surrogates				**Limits**					
Bromofluorobenzene (FID)	81%		%REC	60-140	1	288383	04/29/22	04/29/22	EMW
Method: EPA 8015B Prep Method: EPA 3510C									
Diesel C10-C28	**0.49**		mg/L	0.094	0.94	288684	05/03/22	05/06/22	MES
Surrogates				**Limits**					
n-Triacontane	67%		%REC	35-130	0.94	288684	05/03/22	05/06/22	MES

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

ENTHALPY ANALYTICAL

Analysis Results for 462069

Sample ID: EFFLUENT_04-28-22	Lab ID: 462069-002	Collected: 04/28/22 06:18
	Matrix: Water	

462069-002 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	288685	05/04/22	05/04/22	ILK
Isopropyl Ether (DIPE)	ND		ug/L	5.0	1	288685	05/04/22	05/04/22	ILK
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0	1	288685	05/04/22	05/04/22	ILK
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0	1	288685	05/04/22	05/04/22	ILK
tert-Butyl Alcohol (TBA)	**15**		ug/L	10	1	288685	05/04/22	05/04/22	ILK
m,p-Xylenes	ND		ug/L	10	1	288685	05/04/22	05/04/22	ILK
o-Xylene	ND		ug/L	5.0	1	288685	05/04/22	05/04/22	ILK
Benzene	ND		ug/L	5.0	1	288685	05/04/22	05/04/22	ILK
Toluene	ND		ug/L	5.0	1	288685	05/04/22	05/04/22	ILK
Ethylbenzene	ND		ug/L	5.0	1	288685	05/04/22	05/04/22	ILK
Xylene (total)	ND		ug/L	5.0	1	288685	05/04/22	05/04/22	ILK
Surrogates				**Limits**					
Dibromofluoromethane	98%		%REC	70-140	1	288685	05/04/22	05/04/22	ILK
1,2-Dichloroethane-d4	107%		%REC	70-140	1	288685	05/04/22	05/04/22	ILK
Toluene-d8	97%		%REC	70-140	1	288685	05/04/22	05/04/22	ILK
Bromofluorobenzene	102%		%REC	70-140	1	288685	05/04/22	05/04/22	ILK
Method: EPA 8015B Prep Method: EPA 5030B									
TPH Gasoline	ND		ug/L	50	1	288383	04/29/22	04/29/22	EMW
Surrogates				**Limits**					
Bromofluorobenzene (FID)	87%		%REC	60-140	1	288383	04/29/22	04/29/22	EMW
Method: EPA 8015B Prep Method: EPA 3510C									
Diesel C10-C28	**0.19**		mg/L	0.094	0.94	288684	05/03/22	05/06/22	MES
Surrogates				**Limits**					
n-Triacontane	57%		%REC	35-130	0.94	288684	05/03/22	05/06/22	MES

ND Not Detected

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

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC987334**	**Batch: 288685**
Matrix: Water	**Method: EPA 624.1**	**Prep Method: EPA 624.1**

QC987334 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
MTBE	ND		ug/L	5.0	05/04/22	05/04/22
Isopropyl Ether (DIPE)	ND		ug/L	5.0	05/04/22	05/04/22
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0	05/04/22	05/04/22
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0	05/04/22	05/04/22
tert-Butyl Alcohol (TBA)	ND		ug/L	10	05/04/22	05/04/22
m,p-Xylenes	ND		ug/L	10	05/04/22	05/04/22
o-Xylene	ND		ug/L	5.0	05/04/22	05/04/22
Benzene	ND		ug/L	5.0	05/04/22	05/04/22
Toluene	ND		ug/L	5.0	05/04/22	05/04/22
Ethylbenzene	ND		ug/L	5.0	05/04/22	05/04/22
Xylene (total)	ND		ug/L	5.0	05/04/22	05/04/22
Surrogates				**Limits**		
Dibromofluoromethane	101%		%REC	70-140	05/04/22	05/04/22
1,2-Dichloroethane-d4	105%		%REC	70-140	05/04/22	05/04/22
Toluene-d8	100%		%REC	70-140	05/04/22	05/04/22
Bromofluorobenzene	100%		%REC	70-140	05/04/22	05/04/22

Type: Lab Control Sample	**Lab ID: QC987335**	**Batch: 288685**
Matrix: Water	**Method: EPA 624.1**	**Prep Method: EPA 624.1**

QC987335 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
MTBE	51.23	50.00	ug/L	102%		70-130
Isopropyl Ether (DIPE)	64.68	50.00	ug/L	129%		70-130
Ethyl tert-Butyl Ether (ETBE)	58.56	50.00	ug/L	117%		70-130
Methyl tert-Amyl Ether (TAME)	57.39	50.00	ug/L	115%		70-130
tert-Butyl Alcohol (TBA)	287.0	250.0	ug/L	115%		51-130
m,p-Xylenes	121.9	100.0	ug/L	122%		70-130
o-Xylene	61.08	50.00	ug/L	122%		70-130
Benzene	57.18	50.00	ug/L	114%		70-130
Toluene	56.40	50.00	ug/L	113%		70-130
Ethylbenzene	59.41	50.00	ug/L	119%		70-130
Surrogates						
Dibromofluoromethane	51.01	50.00	ug/L	102%		70-140
1,2-Dichloroethane-d4	52.49	50.00	ug/L	105%		70-140
Toluene-d8	50.18	50.00	ug/L	100%		70-140
Bromofluorobenzene	51.72	50.00	ug/L	103%		70-140

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC987336**	**Batch:**	**288685**
Matrix:	**Water**	**Method:**	**EPA 624.1**	**Prep Method:**	**EPA 624.1**

QC987336 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
MTBE	48.58	50.00	ug/L	97%		70-130	5	30
Isopropyl Ether (DIPE)	61.16	50.00	ug/L	122%		70-130	6	30
Ethyl tert-Butyl Ether (ETBE)	55.35	50.00	ug/L	111%		70-130	6	30
Methyl tert-Amyl Ether (TAME)	54.55	50.00	ug/L	109%		70-130	5	30
tert-Butyl Alcohol (TBA)	288.7	250.0	ug/L	115%		51-130	1	30
m,p-Xylenes	110.7	100.0	ug/L	111%		70-130	10	30
o-Xylene	55.93	50.00	ug/L	112%		70-130	9	30
Benzene	52.86	50.00	ug/L	106%		70-130	8	30
Toluene	50.89	50.00	ug/L	102%		70-130	10	30
Ethylbenzene	53.83	50.00	ug/L	108%		70-130	10	30
Surrogates								
Dibromofluoromethane	51.11	50.00	ug/L	102%		70-140		
1,2-Dichloroethane-d4	52.52	50.00	ug/L	105%		70-140		
Toluene-d8	49.84	50.00	ug/L	100%		70-140		
Bromofluorobenzene	49.35	50.00	ug/L	99%		70-140		

Type:	**Lab Control Sample**	**Lab ID:**	**QC986364**	**Batch:**	**288383**
Matrix:	**Water**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 5030B**

QC986364 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
TPH Gasoline	500.9	500.0	ug/L	100%		70-130
Surrogates						
Bromofluorobenzene (FID)	197.6	200.0	ug/L	99%		60-140

Type:	**Matrix Spike**	**Lab ID:**	**QC986365**	**Batch:**	**288383**
Matrix (Source ID):	**Water (461982-001)**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 5030B**

QC986365 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
TPH Gasoline	493.4	ND	500.0	ug/L	99%		70-130	1
Surrogates								
Bromofluorobenzene (FID)	197.2		200.0	ug/L	99%		60-140	1

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Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC986366**	**Batch:**	**288383**
Matrix (Source ID):	**Water (461982-001)**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 5030B**

QC986366 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
TPH Gasoline	485.0	ND	500.0	ug/L	97%		70-130	2	30	1
Surrogates										
Bromofluorobenzene (FID)	193.2		200.0	ug/L	97%		60-140			1

Type:	**Blank**	**Lab ID:**	**QC986367**	**Batch:**	**288383**
Matrix:	**Water**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 5030B**

QC986367 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH Gasoline	ND		ug/L	50	04/29/22	04/29/22
Surrogates				**Limits**		
Bromofluorobenzene (FID)	86%		%REC	60-140	04/29/22	04/29/22

Type:	**Blank**	**Lab ID:**	**QC987330**	**Batch:**	**288684**
Matrix:	**Water**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3510C**

QC987330 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Diesel C10-C28	ND		mg/L	0.10	05/03/22	05/05/22
Surrogates				**Limits**		
n-Triacontane	66%		%REC	35-130	05/03/22	05/05/22

Type:	**Lab Control Sample**	**Lab ID:**	**QC987331**	**Batch:**	**288684**
Matrix:	**Water**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3510C**

QC987331 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	0.8288	1.000	mg/L	83%		42-120
Surrogates						
n-Triacontane	0.01321	0.02000	mg/L	66%		35-130

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC987332**	**Batch:**	**288684**
Matrix:	**Water**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3510C**

QC987332 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Diesel C10-C28	0.8550	1.000	mg/L	85%		42-120	3	36
Surrogates								
n-Triacontane	0.01448	0.02000	mg/L	72%		35-130		

ND Not Detected

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

enthalpy.com

Lab Job Number: 462699
Report Level: II
Report Date: 05/25/2022

Analytical Report *prepared for:*

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

Project: PERMIT #22453_WW - WW

Authorized for release by:

Diane Galvan, Project Manager
714-771-9928
diane.galvan@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

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

Lab Job #:	462699
Project No:	PERMIT #22453_WW
Location:	WW
Date Received:	05/11/22

Sample ID	Lab ID	Collected	Matrix
SURGE TANK_05-11-22	462699-001	05/11/22 11:43	Water
EFFLUENT_05-11-22	462699-002	05/11/22 11:13	Water

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Chain of Custody Record

Lab No: 462699

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

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

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	8015 TPHD (DRO)	8015 TPHG (GRO)	624-VOCs (BTEX+m,p-xylenes+ oxygenates)	Test Instructions / Comments
1	Surge Tank_05-11-22	05-11-22	1143	W	*	*	X	X	X	*TPHD - 1L Amber, unpreserved
2	Effluent_05-11-22	05-11-22	1113	W	*	*	X	X	X	*TPHG - 3x40 ml VOAs w/HCl
3										*624-VOCs - 3x40 ml VOAs w/HCl
4										
5										
6										
7										
8										
9										
10										

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	Kathleen Ryan	Kathleen Ryan	APEX	5/11/22 1451
[1] Received By:		Fedex	ED	5/11/22 1451
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

5.6 / 18.4

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SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Apex Project: WW Permit # 2453

Date Received: 05/11/22 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: 5.6 #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: 18.4 #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: 5/11/22

ENTHALPY ANALYTICAL

Analysis Results for 462699

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

Lab Job #: 462699
Project No: PERMIT #22453_WW
Location: WW
Date Received: 05/11/22

Sample ID: SURGE TANK_05-11-22 **Lab ID: 462699-001** **Collected: 05/11/22 11:43**
Matrix: Water

462699-001 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	289346	05/13/22	05/13/22	TCN
Isopropyl Ether (DIPE)	ND		ug/L	5.0	1	289346	05/13/22	05/13/22	TCN
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0	1	289346	05/13/22	05/13/22	TCN
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0	1	289346	05/13/22	05/13/22	TCN
tert-Butyl Alcohol (TBA)	**58**		ug/L	10	1	289346	05/13/22	05/13/22	TCN
m,p-Xylenes	ND		ug/L	10	1	289346	05/13/22	05/13/22	TCN
o-Xylene	ND		ug/L	5.0	1	289346	05/13/22	05/13/22	TCN
Benzene	ND		ug/L	5.0	1	289346	05/13/22	05/13/22	TCN
Toluene	ND		ug/L	0.5	1	289346	05/13/22	05/13/22	TCN
Ethylbenzene	ND		ug/L	5.0	1	289346	05/13/22	05/13/22	TCN
Xylene (total)	ND		ug/L	5.0	1	289346	05/13/22	05/13/22	TCN
Surrogates				**Limits**					
Dibromofluoromethane	103%		%REC	70-140	1	289346	05/13/22	05/13/22	TCN
1,2-Dichloroethane-d4	105%		%REC	70-140	1	289346	05/13/22	05/13/22	TCN
Toluene-d8	101%		%REC	70-140	1	289346	05/13/22	05/13/22	TCN
Bromofluorobenzene	101%		%REC	70-140	1	289346	05/13/22	05/13/22	TCN
Method: EPA 8015B Prep Method: EPA 5030B									
TPH Gasoline	ND		ug/L	50	1	289208	05/12/22	05/12/22	EMW
Surrogates				**Limits**					
Bromofluorobenzene (FID)	77%		%REC	60-140	1	289208	05/12/22	05/12/22	EMW
Method: EPA 8015B Prep Method: EPA 3510C									
Diesel C10-C28	**0.47**		mg/L	0.094	0.94	289366	05/12/22	05/14/22	MES
Surrogates				**Limits**					
n-Triacontane	76%		%REC	35-130	0.94	289366	05/12/22	05/14/22	MES

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

ENTHALPY ANALYTICAL

Analysis Results for 462699

Sample ID: EFFLUENT_05-11-22	Lab ID: 462699-002	Collected: 05/11/22 11:13
	Matrix: Water	

462699-002 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	289346	05/13/22	05/13/22	TCN
Isopropyl Ether (DIPE)	ND		ug/L	5.0	1	289346	05/13/22	05/13/22	TCN
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0	1	289346	05/13/22	05/13/22	TCN
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0	1	289346	05/13/22	05/13/22	TCN
tert-Butyl Alcohol (TBA)	**28**		ug/L	10	1	289346	05/13/22	05/13/22	TCN
m,p-Xylenes	ND		ug/L	10	1	289346	05/13/22	05/13/22	TCN
o-Xylene	ND		ug/L	5.0	1	289346	05/13/22	05/13/22	TCN
Benzene	ND		ug/L	5.0	1	289346	05/13/22	05/13/22	TCN
Toluene	ND		ug/L	0.5	1	289346	05/13/22	05/13/22	TCN
Ethylbenzene	ND		ug/L	5.0	1	289346	05/13/22	05/13/22	TCN
Xylene (total)	ND		ug/L	5.0	1	289346	05/13/22	05/13/22	TCN
Surrogates				**Limits**					
Dibromofluoromethane	99%		%REC	70-140	1	289346	05/13/22	05/13/22	TCN
1,2-Dichloroethane-d4	103%		%REC	70-140	1	289346	05/13/22	05/13/22	TCN
Toluene-d8	102%		%REC	70-140	1	289346	05/13/22	05/13/22	TCN
Bromofluorobenzene	101%		%REC	70-140	1	289346	05/13/22	05/13/22	TCN
Method: EPA 8015B Prep Method: EPA 5030B									
TPH Gasoline	ND		ug/L	50	1	289208	05/12/22	05/12/22	EMW
Surrogates				**Limits**					
Bromofluorobenzene (FID)	86%		%REC	60-140	1	289208	05/12/22	05/12/22	EMW
Method: EPA 8015B Prep Method: EPA 3510C									
Diesel C10-C28	ND		mg/L	0.094	0.94	289366	05/12/22	05/14/22	MES
Surrogates				**Limits**					
n-Triacontane	75%		%REC	35-130	0.94	289366	05/12/22	05/14/22	MES

ND Not Detected

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

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC989278**	**Batch: 289346**
Matrix: Water	**Method: EPA 624.1**	**Prep Method: EPA 624.1**

QC989278 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
MTBE	ND		ug/L	5.0	05/12/22	05/12/22
Isopropyl Ether (DIPE)	ND		ug/L	5.0	05/12/22	05/12/22
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0	05/12/22	05/12/22
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0	05/12/22	05/12/22
tert-Butyl Alcohol (TBA)	ND		ug/L	10	05/12/22	05/12/22
m,p-Xylenes	ND		ug/L	10	05/12/22	05/12/22
o-Xylene	ND		ug/L	5.0	05/12/22	05/12/22
Benzene	ND		ug/L	5.0	05/12/22	05/12/22
Toluene	ND		ug/L	0.5	05/12/22	05/12/22
Ethylbenzene	ND		ug/L	5.0	05/12/22	05/12/22
Xylene (total)	ND		ug/L	5.0	05/12/22	05/12/22
Surrogates				**Limits**		
Dibromofluoromethane	99%		%REC	70-140	05/12/22	05/12/22
1,2-Dichloroethane-d4	100%		%REC	70-140	05/12/22	05/12/22
Toluene-d8	104%		%REC	70-140	05/12/22	05/12/22
Bromofluorobenzene	99%		%REC	70-140	05/12/22	05/12/22

Type: Lab Control Sample	**Lab ID: QC989279**	**Batch: 289346**
Matrix: Water	**Method: EPA 624.1**	**Prep Method: EPA 624.1**

QC989279 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
MTBE	48.04	50.00	ug/L	96%		70-130
Isopropyl Ether (DIPE)	49.00	50.00	ug/L	98%		70-130
Ethyl tert-Butyl Ether (ETBE)	51.39	50.00	ug/L	103%		70-130
Methyl tert-Amyl Ether (TAME)	50.25	50.00	ug/L	100%		70-130
tert-Butyl Alcohol (TBA)	224.3	250.0	ug/L	90%		51-130
m,p-Xylenes	109.1	100.0	ug/L	109%		70-130
o-Xylene	54.34	50.00	ug/L	109%		70-130
Benzene	50.16	50.00	ug/L	100%		70-130
Toluene	50.10	50.00	ug/L	100%		70-130
Ethylbenzene	53.19	50.00	ug/L	106%		70-130
Surrogates						
Dibromofluoromethane	51.12	50.00	ug/L	102%		70-140
1,2-Dichloroethane-d4	51.07	50.00	ug/L	102%		70-140
Toluene-d8	50.53	50.00	ug/L	101%		70-140
Bromofluorobenzene	50.43	50.00	ug/L	101%		70-140

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC989280**	**Batch:**	**289346**
Matrix:	**Water**	**Method:**	**EPA 624.1**	**Prep Method:**	**EPA 624.1**

QC989280 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
MTBE	47.09	50.00	ug/L	94%		70-130	2	30
Isopropyl Ether (DIPE)	47.85	50.00	ug/L	96%		70-130	2	30
Ethyl tert-Butyl Ether (ETBE)	50.31	50.00	ug/L	101%		70-130	2	30
Methyl tert-Amyl Ether (TAME)	50.18	50.00	ug/L	100%		70-130	0	30
tert-Butyl Alcohol (TBA)	246.2	250.0	ug/L	98%		51-130	9	30
m,p-Xylenes	104.7	100.0	ug/L	105%		70-130	4	30
o-Xylene	52.49	50.00	ug/L	105%		70-130	3	30
Benzene	48.99	50.00	ug/L	98%		70-130	2	30
Toluene	47.45	50.00	ug/L	95%		70-130	5	30
Ethylbenzene	50.95	50.00	ug/L	102%		70-130	4	30
Surrogates								
Dibromofluoromethane	51.84	50.00	ug/L	104%		70-140		
1,2-Dichloroethane-d4	52.38	50.00	ug/L	105%		70-140		
Toluene-d8	49.73	50.00	ug/L	99%		70-140		
Bromofluorobenzene	49.19	50.00	ug/L	98%		70-140		

Type:	**Lab Control Sample**	**Lab ID:**	**QC988897**	**Batch:**	**289208**
Matrix:	**Water**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 5030B**

QC988897 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
TPH Gasoline	458.5	500.0	ug/L	92%		70-130
Surrogates						
Bromofluorobenzene (FID)	186.2	200.0	ug/L	93%		60-140

Type:	**Matrix Spike**	**Lab ID:**	**QC988898**	**Batch:**	**289208**
Matrix (Source ID):	**Water (462466-001)**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 5030B**

QC988898 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
TPH Gasoline	26,580	22360	5000	ug/L	84%	NM	70-130	10
Surrogates								
Bromofluorobenzene (FID)	1,868		2000	ug/L	93%		60-140	10

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC988899**	**Batch:**	**289208**
Matrix (Source ID):	**Water (462466-001)**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 5030B**

QC988899 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
TPH Gasoline	26,160	22360	5000	ug/L	76%	NM	70-130	2	30	10
Surrogates										
Bromofluorobenzene (FID)	1,904		2000	ug/L	95%		60-140			10

Type:	**Blank**	**Lab ID:**	**QC988900**	**Batch:**	**289208**
Matrix:	**Water**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 5030B**

QC988900 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH Gasoline	ND		ug/L	50	05/12/22	05/12/22
Surrogates				**Limits**		
Bromofluorobenzene (FID)	89%		%REC	60-140	05/12/22	05/12/22

Type:	**Blank**	**Lab ID:**	**QC989333**	**Batch:**	**289366**
Matrix:	**Water**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3510C**

QC989333 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Diesel C10-C28	ND		mg/L	0.10	05/12/22	05/13/22
Surrogates				**Limits**		
n-Triacontane	75%		%REC	35-130	05/12/22	05/13/22

Type:	**Lab Control Sample**	**Lab ID:**	**QC989334**	**Batch:**	**289366**
Matrix:	**Water**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3510C**

QC989334 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	0.7294	1.000	mg/L	73%		42-120
Surrogates						
n-Triacontane	0.01474	0.02000	mg/L	74%		35-130

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC989335**	**Batch:**	**289366**
Matrix:	**Water**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3510C**

QC989335 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Diesel C10-C28	0.7115	1.000	mg/L	71%		42-120	2	36
Surrogates								
n-Triacontane	0.01472	0.02000	mg/L	74%		35-130		

ND Not Detected
NM Not Meaningful

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

enthalpy.com

Lab Job Number:	462700
Report Level:	II
Report Date:	05/25/2022

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 #:	462700
Project No:	PERMIT #22453_WW
Location:	WW
Date Received:	05/11/22

Sample ID	Lab ID	Collected	Matrix
EFFLUENT_COMP_05-11-22	462700-001	05/11/22 10:45	Water

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 462700

Page: of

Turn Around Time (rush by advanced notice only)

Standard:		5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

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

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Analysis Request: 2540 D - TSS	Analysis Request: 5220 D - COD	Test Instructions / Comments
1	Effluent_Comp_05-11-22	~~1045~~ KR	1045	W	*	*	X	X	* TSS - 1 L poly, unpreserved
2		05-11-22							* COD - 500 mL poly w H_2SO_4
3									
4									
5									
6									
7									
8									
9									
10									

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	Kathleen Ryan	Kathleen Ryan	APEX	5/11/22 1451
[1] Received By:		Frasurn	AE	5/11/22 1451
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Apex Project: WW Permit # 2453

Date Received: 05/11/22 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: 5.6 #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: 18.4 #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: 5/11/22

ENTHALPY ANALYTICAL

Analysis Results for 462700

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

Lab Job #: 462700
Project No: PERMIT #22453_WW
Location: WW
Date Received: 05/11/22

Sample ID:	Lab ID: 462700-001	Collected: 05/11/22 10:45
EFFLUENT_COMP_05-11-22	Matrix: Water	

462700-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM2540D Prep Method: METHOD									
Total Suspended Solids	**2.9**		mg/L	0.6	1.1	289485	05/13/22	05/13/22	ATP
Method: SM5220D Prep Method: METHOD									
Chemical Oxygen Demand	ND		mg/L	4.0	1	289345	05/12/22	05/12/22	ATP

ND Not Detected

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

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Batch QC

Type: Blank	Lab ID: QC989682	Batch: 289485
Matrix: Water	Method: SM2540D	Prep Method: METHOD

QC989682 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5	05/13/22	05/13/22

Type: Sample Duplicate	Lab ID: QC989683	Batch: 289485
Matrix (Source ID): Water (462666-001)	Method: SM2540D	Prep Method: METHOD

QC989683 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	296.0	298.0	mg/L		1	5	20

Type: Blank	Lab ID: QC989274	Batch: 289345
Matrix: Water	Method: SM5220D	Prep Method: METHOD

QC989274 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	05/12/22	05/12/22

Type: Lab Control Sample	Lab ID: QC989275	Batch: 289345
Matrix: Water	Method: SM5220D	Prep Method: METHOD

QC989275 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	98.00	100.0	mg/L	98%		80-120

Type: Matrix Spike	Lab ID: QC989276	Batch: 289345
Matrix (Source ID): Water (462703-001)	Method: SM5220D	Prep Method: METHOD

QC989276 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	104.0	ND	100.0	mg/L	104%		75-125	2

Type: Matrix Spike Duplicate	Lab ID: QC989277	Batch: 289345
Matrix (Source ID): Water (462703-001)	Method: SM5220D	Prep Method: METHOD

QC989277 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	108.0	ND	100.0	mg/L	108%		75-125	4	20	2

ND Not Detected

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

enthalpy.com

Lab Job Number: 464473
Report Level: II
Report Date: 06/30/2022

Analytical Report *prepared for:*

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

Location: WW

Authorized for release by:

Diane Galvan, Project Manager
714-771-9928
diane.galvan@enthalpy.com

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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 #: 464473
Location: WW
Date Received: 06/16/22

Sample ID	Lab ID	Collected	Matrix
SURGE TANK_06-16-22	464473-001	06/16/22 09:45	Water
EFFLUENT_06-16-22	464473-002	06/16/22 09:19	Water

Case Narrative

APEX - Signal Hill	Lab Job Number: 464473
1962 Freeman Avenue	Location: WW
Signal Hill, CA 90755	Date Received: 06/16/22
Imelda Morales	

This data package contains sample and QC results for two water samples, requested for the above referenced project on 06/16/22. The samples were received cold and intact.

TPH-Extractables by GC (EPA 8015B):

- Diesel C10-C28 was detected above the RL in the method blank for batch 291662; this analyte was not detected in samples at or above the RL.
- No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 624.1):

- High responses were observed for isopropyl ether (DIPE) and tert-butyl alcohol (TBA) in the CCV analyzed 06/28/22 21:17; affected data was qualified with "b".
- High recoveries were observed for isopropyl ether (DIPE) and tert-butyl alcohol (TBA) in the BS/BSD for batch 292073; the associated RPDs were within limits, and these analytes were not detected at or above the RL in the associated sample.
- No other analytical problems were encountered.

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: 4614477
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)	Test Instruction & Comments
1	Surge Tank_06-16-22	6.16.22	0945	W	*	*	X	X	X	Enthalpy Quote No.: APEX_012120
2	Effluent_06-16-22	"	0919	W	*	*	X	X	X	*TPHD - 1L amber, unpreserved
3										*TPHG - 3x 40ml VOA vials w/HCl
4										*624-VOCs - 3x 40ml VOA vials w/HCl
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										

Analysis

Meter Readings		pH	Temp.	Time
1) Begin:				
End:				
2) Begin:				
End:				
3) Begin:				
End:				
4) Begin:				
End:				

	1	2	3	4
Relinquished By:	Glenn Androsko			
Print Name:	Glenn Androsko			
Date:	6-16-22			
Time:	1555			
Received By:		Vicente Saenz		
Print Name:		Vicente Saenz		
Date:		6-16-22		
Time:		1555		

Authorized By:

4.0/6.2

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: APEX Project: Permit #22453

Date Received: 6/16/22 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: 6.2 #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: 4.0 #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: 6/15/22 6/16/22

ENTHALPY ANALYTICAL

Analysis Results for 464473

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

Lab Job #: 464473
Location: WW
Date Received: 06/16/22

Sample ID: SURGE TANK_06-16-22 **Lab ID: 464473-001** **Collected: 06/16/22 09:45**
Matrix: Water

464473-001 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	292073	06/29/22	06/29/22	TCN
Isopropyl Ether (DIPE)	ND		ug/L	5.0	1	292073	06/29/22	06/29/22	TCN
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0	1	292073	06/29/22	06/29/22	TCN
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0	1	292073	06/29/22	06/29/22	TCN
tert-Butyl Alcohol (TBA)	ND		ug/L	10	1	292073	06/29/22	06/29/22	TCN
m,p-Xylenes	ND		ug/L	10	1	292073	06/29/22	06/29/22	TCN
o-Xylene	ND		ug/L	5.0	1	292073	06/29/22	06/29/22	TCN
Benzene	ND		ug/L	5.0	1	292073	06/29/22	06/29/22	TCN
Toluene	ND		ug/L	5.0	1	292073	06/29/22	06/29/22	TCN
Ethylbenzene	ND		ug/L	5.0	1	292073	06/29/22	06/29/22	TCN
Xylene (total)	ND		ug/L	5.0	1	292073	06/29/22	06/29/22	TCN
Surrogates				**Limits**					
Dibromofluoromethane	101%		%REC	70-140	1	292073	06/29/22	06/29/22	TCN
1,2-Dichloroethane-d4	111%		%REC	70-140	1	292073	06/29/22	06/29/22	TCN
Toluene-d8	99%		%REC	70-140	1	292073	06/29/22	06/29/22	TCN
Bromofluorobenzene	102%		%REC	70-140	1	292073	06/29/22	06/29/22	TCN
Method: EPA 8015B Prep Method: EPA 5030B									
TPH Gasoline	ND		ug/L	50	1	291970	06/28/22	06/28/22	EMW
Surrogates				**Limits**					
Bromofluorobenzene (FID)	101%		%REC	60-140	1	291970	06/28/22	06/28/22	EMW
Method: EPA 8015B Prep Method: EPA 3510C									
Diesel C10-C28	ND		mg/L	0.094	0.94	291662	06/22/22	06/25/22	MES
Surrogates				**Limits**					
n-Triacontane	61%		%REC	35-130	0.94	291662	06/22/22	06/25/22	MES

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

ENTHALPY ANALYTICAL

Analysis Results for 464473

Sample ID: EFFLUENT_06-16-22	Lab ID: 464473-002	Collected: 06/16/22 09:19
	Matrix: Water	

464473-002 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	292187	06/30/22	06/30/22	HMN
Isopropyl Ether (DIPE)	ND		ug/L	5.0	1	292187	06/30/22	06/30/22	HMN
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0	1	292187	06/30/22	06/30/22	HMN
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0	1	292187	06/30/22	06/30/22	HMN
tert-Butyl Alcohol (TBA)	**34**		ug/L	10	1	292187	06/30/22	06/30/22	HMN
m,p-Xylenes	ND		ug/L	10	1	292187	06/30/22	06/30/22	HMN
o-Xylene	ND		ug/L	5.0	1	292187	06/30/22	06/30/22	HMN
Benzene	ND		ug/L	5.0	1	292187	06/30/22	06/30/22	HMN
Toluene	ND		ug/L	5.0	1	292187	06/30/22	06/30/22	HMN
Ethylbenzene	ND		ug/L	5.0	1	292187	06/30/22	06/30/22	HMN
Xylene (total)	ND		ug/L	5.0	1	292187	06/30/22	06/30/22	HMN
Surrogates				**Limits**					
Dibromofluoromethane	98%		%REC	70-140	1	292187	06/30/22	06/30/22	HMN
1,2-Dichloroethane-d4	93%		%REC	70-140	1	292187	06/30/22	06/30/22	HMN
Toluene-d8	98%		%REC	70-140	1	292187	06/30/22	06/30/22	HMN
Bromofluorobenzene	108%		%REC	70-140	1	292187	06/30/22	06/30/22	HMN
Method: EPA 8015B Prep Method: EPA 5030B									
TPH Gasoline	ND		ug/L	50	1	291970	06/28/22	06/28/22	EMW
Surrogates				**Limits**					
Bromofluorobenzene (FID)	109%		%REC	60-140	1	291970	06/28/22	06/28/22	EMW
Method: EPA 8015B Prep Method: EPA 3510C									
Diesel C10-C28	ND		mg/L	0.094	0.94	291662	06/22/22	06/25/22	MES
Surrogates				**Limits**					
n-Triacontane	72%		%REC	35-130	0.94	291662	06/22/22	06/25/22	MES

ND Not Detected

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

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC997613**	**Batch: 292073**
Matrix: Water	**Method: EPA 624.1**	**Prep Method: EPA 624.1**

QC997613 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
MTBE	ND		ug/L	5.0	06/28/22	06/28/22
Isopropyl Ether (DIPE)	ND		ug/L	5.0	06/28/22	06/28/22
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0	06/28/22	06/28/22
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0	06/28/22	06/28/22
tert-Butyl Alcohol (TBA)	ND		ug/L	10	06/28/22	06/28/22
m,p-Xylenes	ND		ug/L	10	06/28/22	06/28/22
o-Xylene	ND		ug/L	5.0	06/28/22	06/28/22
Benzene	ND		ug/L	5.0	06/28/22	06/28/22
Toluene	ND		ug/L	5.0	06/28/22	06/28/22
Ethylbenzene	ND		ug/L	5.0	06/28/22	06/28/22
Xylene (total)	ND		ug/L	5.0	06/28/22	06/28/22
Surrogates				**Limits**		
Dibromofluoromethane	101%		%REC	70-140	06/28/22	06/28/22
1,2-Dichloroethane-d4	116%		%REC	70-140	06/28/22	06/28/22
Toluene-d8	97%		%REC	70-140	06/28/22	06/28/22
Bromofluorobenzene	102%		%REC	70-140	06/28/22	06/28/22

Type: Lab Control Sample	**Lab ID: QC997614**	**Batch: 292073**
Matrix: Water	**Method: EPA 624.1**	**Prep Method: EPA 624.1**

QC997614 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
MTBE	48.40	50.00	ug/L	97%		70-130
Isopropyl Ether (DIPE)	67.75	50.00	ug/L	135%	b,*	70-130
Ethyl tert-Butyl Ether (ETBE)	50.38	50.00	ug/L	101%		70-130
Methyl tert-Amyl Ether (TAME)	58.81	50.00	ug/L	118%		70-130
tert-Butyl Alcohol (TBA)	343.3	250.0	ug/L	137%	b,*	51-130
m,p-Xylenes	108.9	100.0	ug/L	109%		70-130
o-Xylene	55.38	50.00	ug/L	111%		70-130
Benzene	52.05	50.00	ug/L	104%		70-130
Toluene	52.05	50.00	ug/L	104%		70-130
Ethylbenzene	54.15	50.00	ug/L	108%		70-130
Surrogates						
Dibromofluoromethane	49.66	50.00	ug/L	99%		70-140
1,2-Dichloroethane-d4	55.57	50.00	ug/L	111%		70-140
Toluene-d8	49.65	50.00	ug/L	99%		70-140
Bromofluorobenzene	53.26	50.00	ug/L	107%		70-140

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC997615**	**Batch:**	**292073**
Matrix:	**Water**	**Method:**	**EPA 624.1**	**Prep Method:**	**EPA 624.1**

QC997615 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
MTBE	48.00	50.00	ug/L	96%		70-130	1	30
Isopropyl Ether (DIPE)	70.16	50.00	ug/L	140%	b,*	70-130	4	30
Ethyl tert-Butyl Ether (ETBE)	58.90	50.00	ug/L	118%		70-130	16	30
Methyl tert-Amyl Ether (TAME)	58.57	50.00	ug/L	117%		70-130	0	30
tert-Butyl Alcohol (TBA)	338.2	250.0	ug/L	135%	b,*	51-130	2	30
m,p-Xylenes	100.6	100.0	ug/L	101%		70-130	8	30
o-Xylene	52.01	50.00	ug/L	104%		70-130	6	30
Benzene	51.24	50.00	ug/L	102%		70-130	2	30
Toluene	49.37	50.00	ug/L	99%		70-130	5	30
Ethylbenzene	50.95	50.00	ug/L	102%		70-130	6	30
Surrogates								
Dibromofluoromethane	49.92	50.00	ug/L	100%		70-140		
1,2-Dichloroethane-d4	55.75	50.00	ug/L	112%		70-140		
Toluene-d8	48.77	50.00	ug/L	98%		70-140		
Bromofluorobenzene	54.87	50.00	ug/L	110%		70-140		

Type:	**Blank**	**Lab ID:**	**QC997974**	**Batch:**	**292187**
Matrix:	**Water**	**Method:**	**EPA 624.1**	**Prep Method:**	**EPA 624.1**

QC997974 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
MTBE	ND		ug/L	5.0	06/30/22	06/30/22
Isopropyl Ether (DIPE)	ND		ug/L	5.0	06/30/22	06/30/22
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0	06/30/22	06/30/22
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0	06/30/22	06/30/22
tert-Butyl Alcohol (TBA)	ND		ug/L	10	06/30/22	06/30/22
m,p-Xylenes	ND		ug/L	10	06/30/22	06/30/22
o-Xylene	ND		ug/L	5.0	06/30/22	06/30/22
Benzene	ND		ug/L	5.0	06/30/22	06/30/22
Toluene	ND		ug/L	5.0	06/30/22	06/30/22
Ethylbenzene	ND		ug/L	5.0	06/30/22	06/30/22
Xylene (total)	ND		ug/L	5.0	06/30/22	06/30/22
Surrogates				**Limits**		
Dibromofluoromethane	98%		%REC	70-140	06/30/22	06/30/22
1,2-Dichloroethane-d4	90%		%REC	70-140	06/30/22	06/30/22
Toluene-d8	99%		%REC	70-140	06/30/22	06/30/22
Bromofluorobenzene	108%		%REC	70-140	06/30/22	06/30/22

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID: QC997975**	**Batch: 292187**
Matrix: Water	**Method: EPA 624.1**	**Prep Method: EPA 624.1**

QC997975 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
MTBE	48.33	50.00	ug/L	97%		70-130
Isopropyl Ether (DIPE)	53.35	50.00	ug/L	107%		70-130
Ethyl tert-Butyl Ether (ETBE)	51.16	50.00	ug/L	102%		70-130
Methyl tert-Amyl Ether (TAME)	41.81	50.00	ug/L	84%		70-130
tert-Butyl Alcohol (TBA)	179.0	250.0	ug/L	72%		51-130
m,p-Xylenes	91.45	100.0	ug/L	91%		70-130
o-Xylene	44.36	50.00	ug/L	89%		70-130
Benzene	45.06	50.00	ug/L	90%		70-130
Toluene	43.10	50.00	ug/L	86%		70-130
Ethylbenzene	45.23	50.00	ug/L	90%		70-130
Surrogates						
Dibromofluoromethane	50.97	50.00	ug/L	102%		70-140
1,2-Dichloroethane-d4	46.54	50.00	ug/L	93%		70-140
Toluene-d8	48.58	50.00	ug/L	97%		70-140
Bromofluorobenzene	52.13	50.00	ug/L	104%		70-140

Type: Lab Control Sample Duplicate	**Lab ID: QC997976**	**Batch: 292187**
Matrix: Water	**Method: EPA 624.1**	**Prep Method: EPA 624.1**

QC997976 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
MTBE	49.45	50.00	ug/L	99%		70-130	2	30
Isopropyl Ether (DIPE)	54.04	50.00	ug/L	108%		70-130	1	30
Ethyl tert-Butyl Ether (ETBE)	51.92	50.00	ug/L	104%		70-130	1	30
Methyl tert-Amyl Ether (TAME)	43.65	50.00	ug/L	87%		70-130	4	30
tert-Butyl Alcohol (TBA)	187.0	250.0	ug/L	75%		51-130	4	30
m,p-Xylenes	95.50	100.0	ug/L	95%		70-130	4	30
o-Xylene	45.75	50.00	ug/L	91%		70-130	3	30
Benzene	45.88	50.00	ug/L	92%		70-130	2	30
Toluene	44.98	50.00	ug/L	90%		70-130	4	30
Ethylbenzene	46.58	50.00	ug/L	93%		70-130	3	30
Surrogates								
Dibromofluoromethane	50.05	50.00	ug/L	100%		70-140		
1,2-Dichloroethane-d4	46.45	50.00	ug/L	93%		70-140		
Toluene-d8	49.06	50.00	ug/L	98%		70-140		
Bromofluorobenzene	51.66	50.00	ug/L	103%		70-140		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC996326	**Batch:** 291662
Matrix: Water	**Method:** EPA 8015B	**Prep Method:** EPA 3510C

QC996326 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Diesel C10-C28	0.11		mg/L	0.10	06/22/22	06/24/22
Surrogates				**Limits**		
n-Triacontane	65%		%REC	35-130	06/22/22	06/24/22

Type: Lab Control Sample	**Lab ID:** QC996327	**Batch:** 291662
Matrix: Water	**Method:** EPA 8015B	**Prep Method:** EPA 3510C

QC996327 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	0.6298	1.000	mg/L	63%		42-120
Surrogates						
n-Triacontane	0.01544	0.02000	mg/L	77%		35-130

Type: Lab Control Sample Duplicate	**Lab ID:** QC996328	**Batch:** 291662
Matrix: Water	**Method:** EPA 8015B	**Prep Method:** EPA 3510C

QC996328 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Diesel C10-C28	0.7279	1.000	mg/L	73%		42-120	14	36
Surrogates								
n-Triacontane	0.01573	0.02000	mg/L	79%		35-130		

Type: Lab Control Sample	**Lab ID:** QC997326	**Batch:** 291970
Matrix: Water	**Method:** EPA 8015B	**Prep Method:** EPA 5030B

QC997326 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
TPH Gasoline	534.4	500.0	ug/L	107%		70-130
Surrogates						
Bromofluorobenzene (FID)	235.5	200.0	ug/L	118%		60-140

Type: Matrix Spike	**Lab ID:** QC997327	**Batch:** 291970
Matrix (Source ID): Water (464473-002)	**Method:** EPA 8015B	**Prep Method:** EPA 5030B

QC997327 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
TPH Gasoline	534.0	ND	500.0	ug/L	107%		70-130	1
Surrogates								
Bromofluorobenzene (FID)	213.7		200.0	ug/L	107%		60-140	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC997328**	**Batch:**	**291970**
Matrix (Source ID):	**Water (464473-002)**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 5030B**

QC997328 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
TPH Gasoline	526.3	ND	500.0	ug/L	105%		70-130	1	30	1
Surrogates										
Bromofluorobenzene (FID)	259.1		200.0	ug/L	130%		60-140			1

Type:	**Blank**	**Lab ID:**	**QC997329**	**Batch:**	**291970**
Matrix:	**Water**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 5030B**

QC997329 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH Gasoline	ND		ug/L	50	06/28/22	06/28/22
Surrogates				**Limits**		
Bromofluorobenzene (FID)	105%		%REC	60-140	06/28/22	06/28/22

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

AMERICAN ANALYTICS

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

May 02, 2022

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5334512 / 2D20013

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 04/20/22 15:36 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: A5334512
Date Received: 04/20/22
Date Reported: 05/02/22

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
VES Carbon-Influent	2D20013-01	Vapor	5	04/20/22 09:44	04/20/22 15:36
VES Carbon-Effluent	2D20013-02	Vapor	5	04/20/22 09:38	04/20/22 15:36
VOCs Gasoline Range Organics Vapor					
VES Carbon-Influent	2D20013-01	Vapor	5	04/20/22 09:44	04/20/22 15:36
VES Carbon-Effluent	2D20013-02	Vapor	5	04/20/22 09:38	04/20/22 15:36
VOCs in Vapor as Hexane					
VES Carbon-Influent	2D20013-01	Vapor	5	04/20/22 09:44	04/20/22 15:36
VES Carbon-Effluent	2D20013-02	Vapor	5	04/20/22 09:38	04/20/22 15:36

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334512
Project No:	04-NDLA-013	**Date Received:**	04/20/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/02/22
Matrix:	Vapor	**Sampled:**	04/20/22
Dilution:	0.5	**Prepared:**	04/21/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	04/21/22

VES Carbon-Influent

2D20013-01 (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	94.3 %	70-140
Dibromofluoromethane	110 %	70-140
Toluene-d8	94.3 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334512
Project No:	04-NDLA-013	**Date Received:**	04/20/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/02/22
Matrix:	Vapor	**Sampled:**	04/20/22
Dilution:	0.5	**Prepared:**	04/21/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	04/21/22

VES Carbon-Effluent

2D20013-02 (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	94.2 %	70-140
Dibromofluoromethane	105 %	70-140
Toluene-d8	93.7 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334512
Project No:	04-NDLA-013	**Date Received:**	04/20/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/02/22
Matrix:	Vapor	**Sampled:**	04/20/22
Dilution:	1	**Prepared:**	04/21/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	04/21/22

VES Carbon-Influent

2D20013-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**140**	ug/L	20	**34**	ppmv	4.9

Surrogates	**%REC**	**%REC Limits**
a,a,a-Trifluorotoluene	111 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334512
Project No:	04-NDLA-013	**Date Received:**	04/20/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/02/22
Matrix:	Vapor	**Sampled:**	04/20/22
Dilution:	1	**Prepared:**	04/21/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	04/21/22

VES Carbon-Effluent

2D20013-02 (Vapor)

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

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	97.6 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334512
Project No:	04-NDLA-013	**Date Received:**	04/20/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/02/22
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	04/20/22	04/20/22	
Date Prepared:	04/21/22	04/21/22	
Date Analyzed:	04/21/22	04/21/22	
AA ID No:	2D20013-01	2D20013-02	
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	**25**	<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: A5334512
Date Received: 04/20/22
Date Reported: 05/02/22

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 B2D2103 - *** DEFAULT PREP ****										
Blank (B2D2103-BLK1)				Prepared & Analyzed: 04/21/22						
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	*48.1*		*ug/L*	*50.0*		*96.2*	*70-140*			
Surrogate: Dibromofluoromethane	*50.2*		*ug/L*	*50.0*		*100*	*70-140*			
Surrogate: Toluene-d8	*47.9*		*ug/L*	*50.0*		*95.7*	*70-140*			
LCS (B2D2103-BS1)				Prepared & Analyzed: 04/21/22						
Benzene	**19.4**	0.50	ug/L	20.0		97.0	75-125			
Ethylbenzene	**21.0**	0.50	ug/L	20.0		105	75-125			
Methyl-tert-Butyl Ether (MTBE)	**28.3**	2.0	ug/L	40.0		70.7	75-125			QL-02
Toluene	**20.0**	0.50	ug/L	20.0		100	75-125			
o-Xylene	**20.3**	0.50	ug/L	20.0		102	75-125			
m,p-Xylenes	**41.8**	1.0	ug/L	40.0		104	75-125			
Surrogate: 4-Bromofluorobenzene	*46.3*		*ug/L*	*50.0*		*92.5*	*70-140*			
Surrogate: Dibromofluoromethane	*45.4*		*ug/L*	*50.0*		*90.9*	*70-140*			
Surrogate: Toluene-d8	*48.5*		*ug/L*	*50.0*		*97.0*	*70-140*			
LCS Dup (B2D2103-BSD1)				Prepared & Analyzed: 04/21/22						
Benzene	**19.6**	0.50	ug/L	20.0		97.8	75-125	0.821	30	
Ethylbenzene	**21.9**	0.50	ug/L	20.0		109	75-125	4.30	30	
Methyl-tert-Butyl Ether (MTBE)	**30.4**	2.0	ug/L	40.0		76.1	75-125	7.39	30	
Toluene	**20.8**	0.50	ug/L	20.0		104	75-125	3.97	30	
o-Xylene	**22.0**	0.50	ug/L	20.0		110	75-125	8.07	30	
m,p-Xylenes	**44.3**	1.0	ug/L	40.0		111	75-125	5.88	30	
Surrogate: 4-Bromofluorobenzene	*45.2*		*ug/L*	*50.0*		*90.3*	*70-140*			
Surrogate: Dibromofluoromethane	*44.8*		*ug/L*	*50.0*		*89.5*	*70-140*			
Surrogate: Toluene-d8	*47.3*		*ug/L*	*50.0*		*94.6*	*70-140*			
Duplicate (B2D2103-DUP1)				**Source: 2D20013-01** Prepared & Analyzed: 04/21/22						

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: A5334512
Date Received: 04/20/22
Date Reported: 05/02/22

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 B2D2103 - *** DEFAULT PREP ****										
Duplicate (B2D2103-DUP1) Continued			**Source: 2D20013-01**	Prepared & Analyzed: 04/21/22						
Benzene	**<0.25**	0.25	ug/L		0.130			7.41	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	*47.2*		*ug/L*	*50.0*		*94.5*	*70-140*			
Surrogate: Dibromofluoromethane	*50.8*		*ug/L*	*50.0*		*102*	*70-140*			
Surrogate: Toluene-d8	*47.5*		*ug/L*	*50.0*		*95.1*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B2D2102 - *** DEFAULT PREP ****										
Blank (B2D2102-BLK1)				Prepared & Analyzed: 04/21/22						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*53.2*		*ug/L*	*50.0*		*106*	*70-130*			
LCS (B2D2102-BS1)				Prepared & Analyzed: 04/21/22						
Gasoline Range Organics (GRO)	**452**	20	ug/L	500		90.4	75-125			
Surrogate: a,a,a-Trifluorotoluene	*57.2*		*ug/L*	*50.0*		*114*	*70-130*			
LCS Dup (B2D2102-BSD1)				Prepared & Analyzed: 04/21/22						
Gasoline Range Organics (GRO)	**504**	20	ug/L	500		101	75-125	10.9	30	
Surrogate: a,a,a-Trifluorotoluene	*62.7*		*ug/L*	*50.0*		*125*	*70-130*			
Duplicate (B2D2102-DUP1)			**Source: 2D20015-01**	Prepared & Analyzed: 04/21/22						
Gasoline Range Organics (GRO)	**1160**	100	ug/L		1550			28.2	30	
Surrogate: a,a,a-Trifluorotoluene	*52.4*		*ug/L*	*50.0*		*105*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B2D2102 - *** DEFAULT PREP ****										
Blank (B2D2102-BLK1)				Prepared & Analyzed: 04/21/22						
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B2D2102-DUP1)			**Source: 2D20015-01**	Prepared & Analyzed: 04/21/22						

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: A5334512
Date Received: 04/20/22
Date Reported: 05/02/22

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor as Hexane - Quality Control										
*Batch B2D2102 - *** DEFAULT PREP ****										
Duplicate (B2D2102-DUP1) Continued	**Source: 2D20015-01**		Prepared & Analyzed: 04/21/22							
Total VOCs as Hexane	**206**	24	ppmv		280			30.6	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334512
Project No:	04-NDLA-013	**Date Received:**	04/20/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/02/22

Special Notes

[1] = **QL-02** : The recovery for this analyte is outside of the acceptance control limits for the LCS. The data was validated based on the acceptable recovery for this analyte in the LCSD.

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

24560

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.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	Total VOCs Gas 8015	Total VOCs Hexane 8015	BTEX/MTBE 8260B	Special Instructions
						Please enter the TAT Turnaround Codes ** below			
VES Carbon-Influent	2D20013-01	4-20-22	0944	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	"	0938	Air	1	✓	✓	✓	

PRIORITY
Rush SH
Hrs
Date 4/21/22 Time 0715 Sign

'22 APR 20 15:36

AS334512/2D20013

	Relinquished by	Date	Time	Received by
	Glenn Androsko	4-20-22	1051	
	Relinquished by	Date	Time	Received by
		4-20-22	1536	
	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

May 02, 2022

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5334513 / 2D20014

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 04/20/22 15:36 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: A5334513
Date Received: 04/20/22
Date Reported: 05/02/22

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
VES After GAC-1	2D20014-01	Vapor	5	04/20/22 09:41	04/20/22 15:36
VES After GAC-2	2D20014-02	Vapor	5	04/20/22 09:40	04/20/22 15:36
VOCs Gasoline Range Organics Vapor					
VES After GAC-1	2D20014-01	Vapor	5	04/20/22 09:41	04/20/22 15:36
VES After GAC-2	2D20014-02	Vapor	5	04/20/22 09:40	04/20/22 15:36
VOCs in Vapor as Hexane					
VES After GAC-1	2D20014-01	Vapor	5	04/20/22 09:41	04/20/22 15:36
VES After GAC-2	2D20014-02	Vapor	5	04/20/22 09:40	04/20/22 15:36

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334513
Project No:	04-NDLA-013	**Date Received:**	04/20/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/02/22
Matrix:	Vapor	**Sampled:**	04/20/22
Dilution:	0.5	**Prepared:**	04/21/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	04/21/22

VES After GAC-1

2D20014-01 (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	**0.31**	ug/L	0.50	**0.082**	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	93.8 %	70-140
Dibromofluoromethane	105 %	70-140
Toluene-d8	93.9 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334513
Project No:	04-NDLA-013	**Date Received:**	04/20/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/02/22
Matrix:	Vapor	**Sampled:**	04/20/22
Dilution:	0.5	**Prepared:**	04/21/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	04/21/22

VES After GAC-2

2D20014-02 (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	96.8 %	70-140
Dibromofluoromethane	117 %	70-140
Toluene-d8	92.3 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334513
Project No:	04-NDLA-013	**Date Received:**	04/20/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/02/22
Matrix:	Vapor	**Sampled:**	04/20/22
Dilution:	1	**Prepared:**	04/21/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	04/21/22

VES After GAC-1

2D20014-01 (Vapor)

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

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334513
Project No:	04-NDLA-013	**Date Received:**	04/20/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/02/22
Matrix:	Vapor	**Sampled:**	04/20/22
Dilution:	1	**Prepared:**	04/21/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	04/21/22

VES After GAC-2

2D20014-02 (Vapor)

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

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334513
Project No:	04-NDLA-013	**Date Received:**	04/20/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/02/22
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	04/20/22	04/20/22	
Date Prepared:	04/21/22	04/21/22	
Date Analyzed:	04/21/22	04/21/22	
AA ID No:	2D20014-01	2D20014-02	
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: A5334513
Date Received: 04/20/22
Date Reported: 05/02/22

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 B2D2103 - *** DEFAULT PREP ****										
Blank (B2D2103-BLK1)				Prepared & Analyzed: 04/21/22						
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	*48.1*		*ug/L*	*50.0*		*96.2*	*70-140*			
Surrogate: Dibromofluoromethane	*50.2*		*ug/L*	*50.0*		*100*	*70-140*			
Surrogate: Toluene-d8	*47.9*		*ug/L*	*50.0*		*95.7*	*70-140*			
LCS (B2D2103-BS1)				Prepared & Analyzed: 04/21/22						
Benzene	**19.4**	0.50	ug/L	20.0		97.0	75-125			
Ethylbenzene	**21.0**	0.50	ug/L	20.0		105	75-125			
Methyl-tert-Butyl Ether (MTBE)	**28.3**	2.0	ug/L	40.0		70.7	75-125			QL-02
Toluene	**20.0**	0.50	ug/L	20.0		100	75-125			
o-Xylene	**20.3**	0.50	ug/L	20.0		102	75-125			
m,p-Xylenes	**41.8**	1.0	ug/L	40.0		104	75-125			
Surrogate: 4-Bromofluorobenzene	*46.3*		*ug/L*	*50.0*		*92.5*	*70-140*			
Surrogate: Dibromofluoromethane	*45.4*		*ug/L*	*50.0*		*90.9*	*70-140*			
Surrogate: Toluene-d8	*48.5*		*ug/L*	*50.0*		*97.0*	*70-140*			
LCS Dup (B2D2103-BSD1)				Prepared & Analyzed: 04/21/22						
Benzene	**19.6**	0.50	ug/L	20.0		97.8	75-125	0.821	30	
Ethylbenzene	**21.9**	0.50	ug/L	20.0		109	75-125	4.30	30	
Methyl-tert-Butyl Ether (MTBE)	**30.4**	2.0	ug/L	40.0		76.1	75-125	7.39	30	
Toluene	**20.8**	0.50	ug/L	20.0		104	75-125	3.97	30	
o-Xylene	**22.0**	0.50	ug/L	20.0		110	75-125	8.07	30	
m,p-Xylenes	**44.3**	1.0	ug/L	40.0		111	75-125	5.88	30	
Surrogate: 4-Bromofluorobenzene	*45.2*		*ug/L*	*50.0*		*90.3*	*70-140*			
Surrogate: Dibromofluoromethane	*44.8*		*ug/L*	*50.0*		*89.5*	*70-140*			
Surrogate: Toluene-d8	*47.3*		*ug/L*	*50.0*		*94.6*	*70-140*			
Duplicate (B2D2103-DUP1)				**Source: 2D20013-01** Prepared & Analyzed: 04/21/22						

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: A5334513
Date Received: 04/20/22
Date Reported: 05/02/22

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 B2D2103 - *** DEFAULT PREP ****										
Duplicate (B2D2103-DUP1) Continued			**Source: 2D20013-01**	Prepared & Analyzed: 04/21/22						
Benzene	**<0.25**	0.25	ug/L		0.130			7.41	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	*47.2*		*ug/L*	*50.0*		*94.5*	*70-140*			
Surrogate: Dibromofluoromethane	*50.8*		*ug/L*	*50.0*		*102*	*70-140*			
Surrogate: Toluene-d8	*47.5*		*ug/L*	*50.0*		*95.1*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B2D2102 - *** DEFAULT PREP ****										
Blank (B2D2102-BLK1)				Prepared & Analyzed: 04/21/22						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*53.2*		*ug/L*	*50.0*		*106*	*70-130*			
LCS (B2D2102-BS1)				Prepared & Analyzed: 04/21/22						
Gasoline Range Organics (GRO)	**452**	20	ug/L	500		90.4	75-125			
Surrogate: a,a,a-Trifluorotoluene	*57.2*		*ug/L*	*50.0*		*114*	*70-130*			
LCS Dup (B2D2102-BSD1)				Prepared & Analyzed: 04/21/22						
Gasoline Range Organics (GRO)	**504**	20	ug/L	500		101	75-125	10.9	30	
Surrogate: a,a,a-Trifluorotoluene	*62.7*		*ug/L*	*50.0*		*125*	*70-130*			
Duplicate (B2D2102-DUP1)			**Source: 2D20015-01**	Prepared & Analyzed: 04/21/22						
Gasoline Range Organics (GRO)	**1160**	100	ug/L		1550			28.2	30	
Surrogate: a,a,a-Trifluorotoluene	*52.4*		*ug/L*	*50.0*		*105*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B2D2102 - *** DEFAULT PREP ****										
Blank (B2D2102-BLK1)				Prepared & Analyzed: 04/21/22						
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B2D2102-DUP1)			**Source: 2D20015-01**	Prepared & Analyzed: 04/21/22						

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: A5334513
Date Received: 04/20/22
Date Reported: 05/02/22

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor as Hexane - Quality Control										
*Batch B2D2102 - *** DEFAULT PREP ****										
Duplicate (B2D2102-DUP1) Continued	**Source: 2D20015-01**		Prepared & Analyzed: 04/21/22							
Total VOCs as Hexane	**206**	24	ppmv		280			30.6	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334513
Project No:	04-NDLA-013	**Date Received:**	04/20/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/02/22

Special Notes

[1] = **QL-02** : The recovery for this analyte is outside of the acceptance control limits for the LCS. The data was validated based on the acceptable recovery for this analyte in the LCSD.

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

2456

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 Androski
Project Manager: Neil Irish	**Site Address:** 15306 Norwalk Blvd	**Sampler's Signature:**	
Phone: 562-597-1055	**City:** Norwalk	**P.O. No.:**	
Fax: 569-597-1070	**State & Zip:** CA 90650	**Quote No.:**	

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

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	22D0014-01	4-20-22	0941	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	"	0940	Air	1	✓	✓	✓	

PRIORITY
Rush Date 4/21 22 Hrs 6:15 SH Sign

22 APR 20 15:36

Relinquished by	Date	Time	Received by
Glenn Androski	4-20-22	1051	
Relinquished by	Date	Time	Received by
	4-20-22	1536	
Relinquished by	Date	Time	Received by

153345 7/22D0014

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

May 23, 2022

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5334531 / 2E10016

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 05/10/22 17:08 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: A5334531
Date Received: 05/10/22
Date Reported: 05/23/22

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
VES Carbon-Influent	2E10016-01	Vapor	5	05/10/22 10:00	05/10/22 17:08
VES Carbon-Effluent	2E10016-02	Vapor	5	05/10/22 10:15	05/10/22 17:08
VOCs Gasoline Range Organics Vapor					
VES Carbon-Influent	2E10016-01	Vapor	5	05/10/22 10:00	05/10/22 17:08
VES Carbon-Effluent	2E10016-02	Vapor	5	05/10/22 10:15	05/10/22 17:08
VOCs in Vapor as Hexane					
VES Carbon-Influent	2E10016-01	Vapor	5	05/10/22 10:00	05/10/22 17:08
VES Carbon-Effluent	2E10016-02	Vapor	5	05/10/22 10:15	05/10/22 17:08

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334531
Project No:	04-NDLA-013	**Date Received:**	05/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/23/22
Matrix:	Vapor	**Sampled:**	05/10/22
Dilution:	0.5	**Prepared:**	05/11/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	05/11/22

VES Carbon-Influent

2E10016-01 (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	86.1 %	70-140
Dibromofluoromethane	86.8 %	70-140
Toluene-d8	94.4 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334531
Project No:	04-NDLA-013	**Date Received:**	05/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/23/22
Matrix:	Vapor	**Sampled:**	05/10/22
Dilution:	0.5	**Prepared:**	05/11/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	05/11/22

VES Carbon-Effluent

2E10016-02 (Vapor)

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

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	90.1 %	70-140
Dibromofluoromethane	102 %	70-140
Toluene-d8	92.5 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334531
Project No:	04-NDLA-013	**Date Received:**	05/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/23/22
Matrix:	Vapor	**Sampled:**	05/10/22
Dilution:	1	**Prepared:**	05/11/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	05/11/22

VES Carbon-Influent

2E10016-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**150**	ug/L	20	**37**	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	115 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334531
Project No:	04-NDLA-013	**Date Received:**	05/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/23/22
Matrix:	Vapor	**Sampled:**	05/10/22
Dilution:	1	**Prepared:**	05/11/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	05/11/22

VES Carbon-Effluent

2E10016-02 (Vapor)

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

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334531
Project No:	04-NDLA-013	**Date Received:**	05/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/23/22
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	05/10/22	05/10/22	
Date Prepared:	05/11/22	05/11/22	
Date Analyzed:	05/11/22	05/11/22	
AA ID No:	2E10016-01	2E10016-02	
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	**27**	<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: A5334531
Date Received: 05/10/22
Date Reported: 05/23/22

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 B2E1112 - *** DEFAULT PREP ****										
Blank (B2E1112-BLK1)				Prepared & Analyzed: 05/11/22						
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	*43.8*		*ug/L*	*50.0*		*87.7*	*70-140*			
Surrogate: Dibromofluoromethane	*45.5*		*ug/L*	*50.0*		*90.9*	*70-140*			
Surrogate: Toluene-d8	*46.8*		*ug/L*	*50.0*		*93.6*	*70-140*			
LCS (B2E1112-BS1)				Prepared & Analyzed: 05/11/22						
Benzene	**19.0**	0.50	ug/L	20.0		94.8	75-125			
Ethylbenzene	**22.5**	0.50	ug/L	20.0		112	75-125			
Methyl-tert-Butyl Ether (MTBE)	**24.0**	2.0	ug/L	40.0		60.1	75-125			QL-07
Toluene	**21.7**	0.50	ug/L	20.0		108	75-125			
o-Xylene	**23.0**	0.50	ug/L	20.0		115	75-125			
m,p-Xylenes	**46.1**	1.0	ug/L	40.0		115	75-125			
Surrogate: 4-Bromofluorobenzene	*42.6*		*ug/L*	*50.0*		*85.3*	*70-140*			
Surrogate: Dibromofluoromethane	*39.6*		*ug/L*	*50.0*		*79.2*	*70-140*			
Surrogate: Toluene-d8	*47.7*		*ug/L*	*50.0*		*95.4*	*70-140*			
LCS Dup (B2E1112-BSD1)				Prepared & Analyzed: 05/11/22						
Benzene	**21.5**	0.50	ug/L	20.0		107	75-125	12.5	30	
Ethylbenzene	**22.1**	0.50	ug/L	20.0		110	75-125	1.89	30	
Methyl-tert-Butyl Ether (MTBE)	**29.3**	2.0	ug/L	40.0		73.2	75-125	19.7	30	QL-07
Toluene	**22.9**	0.50	ug/L	20.0		114	75-125	5.43	30	
o-Xylene	**24.4**	0.50	ug/L	20.0		122	75-125	6.33	30	
m,p-Xylenes	**48.6**	1.0	ug/L	40.0		122	75-125	5.30	30	
Surrogate: 4-Bromofluorobenzene	*44.1*		*ug/L*	*50.0*		*88.2*	*70-140*			
Surrogate: Dibromofluoromethane	*42.2*		*ug/L*	*50.0*		*84.4*	*70-140*			
Surrogate: Toluene-d8	*48.5*		*ug/L*	*50.0*		*97.0*	*70-140*			
Duplicate (B2E1112-DUP1)				**Source: 2E10015-01** Prepared & Analyzed: 05/11/22						

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: A5334531
Date Received: 05/10/22
Date Reported: 05/23/22

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 B2E1112 - *** DEFAULT PREP ****										
Duplicate (B2E1112-DUP1) Continued			**Source: 2E10015-01**	Prepared & Analyzed: 05/11/22						
Benzene	**1.41**	0.25	ug/L		1.74			21.2	30	
Ethylbenzene	**0.975**	0.25	ug/L		1.08			10.2	30	
Methyl-tert-Butyl Ether (MTBE)	**<1.0**	1.0	ug/L						30	
Toluene	**1.06**	0.25	ug/L		1.18			10.7	30	
o-Xylene	**1.10**	0.25	ug/L		1.18			7.44	30	
m,p-Xylenes	**3.27**	0.50	ug/L		3.50			6.65	30	
Surrogate: 4-Bromofluorobenzene	*39.8*		*ug/L*	*50.0*		*79.6*	*70-140*			
Surrogate: Dibromofluoromethane	*47.7*		*ug/L*	*50.0*		*95.3*	*70-140*			
Surrogate: Toluene-d8	*45.2*		*ug/L*	*50.0*		*90.5*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B2E1116 - *** DEFAULT PREP ****										
Blank (B2E1116-BLK1)				Prepared & Analyzed: 05/11/22						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*50.6*		*ug/L*	*50.0*		*101*	*70-130*			
LCS (B2E1116-BS1)				Prepared & Analyzed: 05/11/22						
Gasoline Range Organics (GRO)	**458**	20	ug/L	500		91.7	75-125			
Surrogate: a,a,a-Trifluorotoluene	*56.8*		*ug/L*	*50.0*		*114*	*70-130*			
LCS Dup (B2E1116-BSD1)				Prepared & Analyzed: 05/11/22						
Gasoline Range Organics (GRO)	**484**	20	ug/L	500		96.7	75-125	5.36	30	
Surrogate: a,a,a-Trifluorotoluene	*61.7*		*ug/L*	*50.0*		*123*	*70-130*			
Duplicate (B2E1116-DUP1)			**Source: 2E10016-01**	Prepared & Analyzed: 05/11/22						
Gasoline Range Organics (GRO)	**134**	20	ug/L		148			9.90	30	
Surrogate: a,a,a-Trifluorotoluene	*53.2*		*ug/L*	*50.0*		*106*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B2E1116 - *** DEFAULT PREP ****										
Blank (B2E1116-BLK1)				Prepared & Analyzed: 05/11/22						
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B2E1116-DUP1)			**Source: 2E10016-01**	Prepared & Analyzed: 05/11/22						

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: A5334531
Date Received: 05/10/22
Date Reported: 05/23/22

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor as Hexane - Quality Control										
*Batch B2E1116 - *** DEFAULT PREP ****										
Duplicate (B2E1116-DUP1) Continued			**Source: 2E10016-01**	Prepared & Analyzed: 05/11/22						
Total VOCs as Hexane	**24.2**	4.9	ppmv		26.7			9.90	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334531
Project No:	04-NDLA-013	**Date Received:**	05/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/23/22

Special Notes

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

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

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

22694

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

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	Total VOCs Gas 8015	Total VOCs Hexane 8015	BTEX/MTBE 8260B	Special Instructions
						Please enter the TAT Turnaround Codes ** below			
VES Carbon-Influent	2E10016-01	5/10/22	1000	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	5/10/22	1015	Air	1	✓	✓	✓	

PRIORITY
Rush Date 5/11/22 Hrs 0600 Sch

'22 MAY 10 17:0

A5332531 / 2E1001b

Relinquished by	Date	Time	Received by
Bill Grendra	5/10/22	1400	
Relinquished by	Date	Time	Received by
	5/10/22	1708	
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

May 23, 2022

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5334532 / 2E10017

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 05/10/22 17:08 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: A5334532
Date Received: 05/10/22
Date Reported: 05/23/22

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
VES After GAC-1	2E10017-01	Vapor	5	05/10/22 10:05	05/10/22 17:08
VES After GAC-2	2E10017-02	Vapor	5	05/10/22 10:10	05/10/22 17:08
VOCs Gasoline Range Organics Vapor					
VES After GAC-1	2E10017-01	Vapor	5	05/10/22 10:05	05/10/22 17:08
VES After GAC-2	2E10017-02	Vapor	5	05/10/22 10:10	05/10/22 17:08
VOCs in Vapor as Hexane					
VES After GAC-1	2E10017-01	Vapor	5	05/10/22 10:05	05/10/22 17:08
VES After GAC-2	2E10017-02	Vapor	5	05/10/22 10:10	05/10/22 17:08

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334532
Project No:	04-NDLA-013	**Date Received:**	05/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/23/22
Matrix:	Vapor	**Sampled:**	05/10/22
Dilution:	0.5	**Prepared:**	05/11/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	05/11/22

VES After GAC-1

2E10017-01 (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	85.6 %	70-140
Dibromofluoromethane	95.2 %	70-140
Toluene-d8	90.3 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334532
Project No:	04-NDLA-013	**Date Received:**	05/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/23/22
Matrix:	Vapor	**Sampled:**	05/10/22
Dilution:	0.5	**Prepared:**	05/11/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	05/11/22

VES After GAC-2

2E10017-02 (Vapor)

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

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	84.7 %	70-140
Dibromofluoromethane	90.9 %	70-140
Toluene-d8	91.8 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334532
Project No:	04-NDLA-013	**Date Received:**	05/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/23/22
Matrix:	Vapor	**Sampled:**	05/10/22
Dilution:	1	**Prepared:**	05/11/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	05/11/22

VES After GAC-1

2E10017-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**35**	ug/L	20	**8.6**	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:**	A5334532
Project No:	04-NDLA-013	**Date Received:**	05/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/23/22
Matrix:	Vapor	**Sampled:**	05/10/22
Dilution:	1	**Prepared:**	05/11/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	05/11/22

VES After GAC-2

2E10017-02 (Vapor)

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

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	96.0 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334532
Project No:	04-NDLA-013	**Date Received:**	05/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/23/22
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	05/10/22	05/10/22	
Date Prepared:	05/11/22	05/11/22	
Date Analyzed:	05/11/22	05/11/22	
AA ID No:	2E10017-01	2E10017-02	
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	**6.4**	<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: A5334532
Date Received: 05/10/22
Date Reported: 05/23/22

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 B2E1112 - *** DEFAULT PREP ****										
Blank (B2E1112-BLK1)				Prepared & Analyzed: 05/11/22						
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	*43.8*		*ug/L*	*50.0*		*87.7*	*70-140*			
Surrogate: Dibromofluoromethane	*45.5*		*ug/L*	*50.0*		*90.9*	*70-140*			
Surrogate: Toluene-d8	*46.8*		*ug/L*	*50.0*		*93.6*	*70-140*			
LCS (B2E1112-BS1)				Prepared & Analyzed: 05/11/22						
Benzene	**19.0**	0.50	ug/L	20.0		94.8	75-125			
Ethylbenzene	**22.5**	0.50	ug/L	20.0		112	75-125			
Methyl-tert-Butyl Ether (MTBE)	**24.0**	2.0	ug/L	40.0		60.1	75-125			QL-07
Toluene	**21.7**	0.50	ug/L	20.0		108	75-125			
o-Xylene	**23.0**	0.50	ug/L	20.0		115	75-125			
m,p-Xylenes	**46.1**	1.0	ug/L	40.0		115	75-125			
Surrogate: 4-Bromofluorobenzene	*42.6*		*ug/L*	*50.0*		*85.3*	*70-140*			
Surrogate: Dibromofluoromethane	*39.6*		*ug/L*	*50.0*		*79.2*	*70-140*			
Surrogate: Toluene-d8	*47.7*		*ug/L*	*50.0*		*95.4*	*70-140*			
LCS Dup (B2E1112-BSD1)				Prepared & Analyzed: 05/11/22						
Benzene	**21.5**	0.50	ug/L	20.0		107	75-125	12.5	30	
Ethylbenzene	**22.1**	0.50	ug/L	20.0		110	75-125	1.89	30	
Methyl-tert-Butyl Ether (MTBE)	**29.3**	2.0	ug/L	40.0		73.2	75-125	19.7	30	QL-07
Toluene	**22.9**	0.50	ug/L	20.0		114	75-125	5.43	30	
o-Xylene	**24.4**	0.50	ug/L	20.0		122	75-125	6.33	30	
m,p-Xylenes	**48.6**	1.0	ug/L	40.0		122	75-125	5.30	30	
Surrogate: 4-Bromofluorobenzene	*44.1*		*ug/L*	*50.0*		*88.2*	*70-140*			
Surrogate: Dibromofluoromethane	*42.2*		*ug/L*	*50.0*		*84.4*	*70-140*			
Surrogate: Toluene-d8	*48.5*		*ug/L*	*50.0*		*97.0*	*70-140*			
Duplicate (B2E1112-DUP1)				**Source: 2E10015-01** Prepared & Analyzed: 05/11/22						

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: A5334532
Date Received: 05/10/22
Date Reported: 05/23/22

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 B2E1112 - *** DEFAULT PREP ****										
Duplicate (B2E1112-DUP1) Continued			**Source: 2E10015-01**	Prepared & Analyzed: 05/11/22						
Benzene	**1.41**	0.25	ug/L		1.74			21.2	30	
Ethylbenzene	**0.975**	0.25	ug/L		1.08			10.2	30	
Methyl-tert-Butyl Ether (MTBE)	**<1.0**	1.0	ug/L						30	
Toluene	**1.06**	0.25	ug/L		1.18			10.7	30	
o-Xylene	**1.10**	0.25	ug/L		1.18			7.44	30	
m,p-Xylenes	**3.27**	0.50	ug/L		3.50			6.65	30	
Surrogate: 4-Bromofluorobenzene	*39.8*		*ug/L*	*50.0*		*79.6*	*70-140*			
Surrogate: Dibromofluoromethane	*47.7*		*ug/L*	*50.0*		*95.3*	*70-140*			
Surrogate: Toluene-d8	*45.2*		*ug/L*	*50.0*		*90.5*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B2E1116 - *** DEFAULT PREP ****										
Blank (B2E1116-BLK1)				Prepared & Analyzed: 05/11/22						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*50.6*		*ug/L*	*50.0*		*101*	*70-130*			
LCS (B2E1116-BS1)				Prepared & Analyzed: 05/11/22						
Gasoline Range Organics (GRO)	**458**	20	ug/L	500		91.7	75-125			
Surrogate: a,a,a-Trifluorotoluene	*56.8*		*ug/L*	*50.0*		*114*	*70-130*			
LCS Dup (B2E1116-BSD1)				Prepared & Analyzed: 05/11/22						
Gasoline Range Organics (GRO)	**484**	20	ug/L	500		96.7	75-125	5.36	30	
Surrogate: a,a,a-Trifluorotoluene	*61.7*		*ug/L*	*50.0*		*123*	*70-130*			
Duplicate (B2E1116-DUP1)			**Source: 2E10016-01**	Prepared & Analyzed: 05/11/22						
Gasoline Range Organics (GRO)	**134**	20	ug/L		148			9.90	30	
Surrogate: a,a,a-Trifluorotoluene	*53.2*		*ug/L*	*50.0*		*106*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B2E1116 - *** DEFAULT PREP ****										
Blank (B2E1116-BLK1)				Prepared & Analyzed: 05/11/22						
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B2E1116-DUP1)			**Source: 2E10016-01**	Prepared & Analyzed: 05/11/22						

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: A5334532
Date Received: 05/10/22
Date Reported: 05/23/22

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor as Hexane - Quality Control										
*Batch B2E1116 - *** DEFAULT PREP ****										
Duplicate (B2E1116-DUP1) Continued			**Source: 2E10016-01**	Prepared & Analyzed: 05/11/22						
Total VOCs as Hexane	**24.2**	4.9	ppmv		26.7			9.90	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334532
Project No:	04-NDLA-013	**Date Received:**	05/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/23/22

Special Notes

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

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

24700

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

Page 1 of 1

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

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	Total VOCs Gas 8015	Total VOCs Hexane 8015	BTEX/MTBE 8260B							Special Instructions
						Please enter the TAT Turnaround Codes ** below									
VES After GAC-1	22E10017-01	5/10/22	1005	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	5/10/22	1010	Air	1	✓	✓	✓							

PRIORITY SH
Rush 72 HR
Date 5/11/22 0600

22 MAY 10 17:08

A533453 2/2E10017

Relinquished by	Date	Time	Received by
Bill Crenshaw	5/10/22	1400	
	5/10/22	1708	
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

June 28, 2022

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5334567 / 2F16003

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 06/16/22 16:22 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334567
Date Received: 06/16/22
Date Reported: 06/28/22

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
After GAC-1	2F16003-01	Vapor	5	06/16/22 09:29	06/16/22 16:22
After GAC-2	2F16003-02	Vapor	5	06/16/22 09:31	06/16/22 16:22
VOCs Gasoline Range Organics Vapor					
After GAC-1	2F16003-01	Vapor	5	06/16/22 09:29	06/16/22 16:22
After GAC-2	2F16003-02	Vapor	5	06/16/22 09:31	06/16/22 16:22
VOCs in Vapor as Hexane					
After GAC-1	2F16003-01	Vapor	5	06/16/22 09:29	06/16/22 16:22
After GAC-2	2F16003-02	Vapor	5	06/16/22 09:31	06/16/22 16:22

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334567
Project No:	04-NDLA-013	**Date Received:**	06/16/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	06/28/22
Matrix:	Vapor	**Sampled:**	06/16/22
Dilution:	0.5	**Prepared:**	06/17/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	06/17/22

After GAC-1

2F16003-01 (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	96.7 %	70-140
Dibromofluoromethane	90.5 %	70-140
Toluene-d8	91.7 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334567
Project No:	04-NDLA-013	**Date Received:**	06/16/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	06/28/22
Matrix:	Vapor	**Sampled:**	06/16/22
Dilution:	0.5	**Prepared:**	06/17/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	06/17/22

After GAC-2

2F16003-02 (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	92.7 %	70-140
Dibromofluoromethane	109 %	70-140
Toluene-d8	86.5 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334567
Project No:	04-NDLA-013	**Date Received:**	06/16/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	06/28/22
Matrix:	Vapor	**Sampled:**	06/16/22
Dilution:	1	**Prepared:**	06/17/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	06/17/22

After GAC-1

2F16003-01 (Vapor)

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

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334567
Project No:	04-NDLA-013	**Date Received:**	06/16/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	06/28/22
Matrix:	Vapor	**Sampled:**	06/16/22
Dilution:	1	**Prepared:**	06/17/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	06/17/22

After GAC-2

2F16003-02 (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	91.6 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334567
Project No:	04-NDLA-013	**Date Received:**	06/16/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	06/28/22
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	06/16/22	06/16/22	
Date Prepared:	06/17/22	06/17/22	
Date Analyzed:	06/17/22	06/17/22	
AA ID No:	2F16003-01	2F16003-02	
Client ID No:	After GAC-1	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: A5334567
Date Received: 06/16/22
Date Reported: 06/28/22

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 B2F1704 - *** DEFAULT PREP ****										
Blank (B2F1704-BLK1)				Prepared & Analyzed: 06/17/22						
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	*50.8*		*ug/L*	*50.0*		*102*	*70-140*			
Surrogate: Dibromofluoromethane	*44.4*		*ug/L*	*50.0*		*88.9*	*70-140*			
Surrogate: Toluene-d8	*46.7*		*ug/L*	*50.0*		*93.4*	*70-140*			
LCS (B2F1704-BS1)				Prepared & Analyzed: 06/17/22						
Benzene	**20.7**	0.50	ug/L	20.0		104	75-125			
Ethylbenzene	**21.8**	0.50	ug/L	20.0		109	75-125			
Methyl-tert-Butyl Ether (MTBE)	**36.7**	2.0	ug/L	40.0		91.8	75-125			
Toluene	**21.5**	0.50	ug/L	20.0		108	75-125			
o-Xylene	**20.7**	0.50	ug/L	20.0		104	75-125			
m,p-Xylenes	**39.4**	1.0	ug/L	40.0		98.5	75-125			
Surrogate: 4-Bromofluorobenzene	*47.0*		*ug/L*	*50.0*		*93.9*	*70-140*			
Surrogate: Dibromofluoromethane	*46.5*		*ug/L*	*50.0*		*93.0*	*70-140*			
Surrogate: Toluene-d8	*47.3*		*ug/L*	*50.0*		*94.6*	*70-140*			
LCS Dup (B2F1704-BSD1)				Prepared & Analyzed: 06/17/22						
Benzene	**19.9**	0.50	ug/L	20.0		99.6	75-125	3.94	30	
Ethylbenzene	**20.7**	0.50	ug/L	20.0		104	75-125	5.03	30	
Methyl-tert-Butyl Ether (MTBE)	**35.8**	2.0	ug/L	40.0		89.5	75-125	2.56	30	
Toluene	**21.0**	0.50	ug/L	20.0		105	75-125	2.35	30	
o-Xylene	**19.8**	0.50	ug/L	20.0		99.0	75-125	4.44	30	
m,p-Xylenes	**39.7**	1.0	ug/L	40.0		99.2	75-125	0.734	30	
Surrogate: 4-Bromofluorobenzene	*46.6*		*ug/L*	*50.0*		*93.1*	*70-140*			
Surrogate: Dibromofluoromethane	*47.8*		*ug/L*	*50.0*		*95.6*	*70-140*			
Surrogate: Toluene-d8	*48.5*		*ug/L*	*50.0*		*97.0*	*70-140*			
Duplicate (B2F1704-DUP1)			**Source: 2F16002-01**	Prepared & Analyzed: 06/17/22						

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: A5334567
Date Received: 06/16/22
Date Reported: 06/28/22

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 B2F1704 - *** DEFAULT PREP ****										
Duplicate (B2F1704-DUP1) Continued			**Source: 2F16002-01**	Prepared & Analyzed: 06/17/22						
Benzene	**1.21**	0.25	ug/L		1.30			7.17	30	
Ethylbenzene	**0.745**	0.25	ug/L		0.715			4.11	30	
Methyl-tert-Butyl Ether (MTBE)	**<1.0**	1.0	ug/L						30	
Toluene	**1.00**	0.25	ug/L		1.10			9.07	30	
o-Xylene	**0.995**	0.25	ug/L		0.895			10.6	30	
m,p-Xylenes	**2.67**	0.50	ug/L		2.46			8.19	30	
Surrogate: 4-Bromofluorobenzene	*45.3*		*ug/L*	*50.0*		*90.7*	*70-140*			
Surrogate: Dibromofluoromethane	*44.5*		*ug/L*	*50.0*		*89.0*	*70-140*			
Surrogate: Toluene-d8	*42.2*		*ug/L*	*50.0*		*84.3*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B2F1701 - *** DEFAULT PREP ****										
Blank (B2F1701-BLK1)				Prepared & Analyzed: 06/17/22						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*48.8*		*ug/L*	*50.0*		*97.6*	*70-130*			
LCS (B2F1701-BS1)				Prepared & Analyzed: 06/17/22						
Gasoline Range Organics (GRO)	**496**	20	ug/L	500		99.1	75-125			
Surrogate: a,a,a-Trifluorotoluene	*54.5*		*ug/L*	*50.0*		*109*	*70-130*			
LCS Dup (B2F1701-BSD1)				Prepared & Analyzed: 06/17/22						
Gasoline Range Organics (GRO)	**515**	20	ug/L	500		103	75-125	3.78	30	
Surrogate: a,a,a-Trifluorotoluene	*56.5*		*ug/L*	*50.0*		*113*	*70-130*			
Duplicate (B2F1701-DUP1)			**Source: 2F16002-02**	Prepared & Analyzed: 06/17/22						
Gasoline Range Organics (GRO)	**<20**	20	ug/L						30	
Surrogate: a,a,a-Trifluorotoluene	*47.4*		*ug/L*	*50.0*		*94.8*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B2F1701 - *** DEFAULT PREP ****										
Blank (B2F1701-BLK1)				Prepared & Analyzed: 06/17/22						
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B2F1701-DUP1)			**Source: 2F16002-02**	Prepared & Analyzed: 06/17/22						

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: A5334567
Date Received: 06/16/22
Date Reported: 06/28/22

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor as Hexane - Quality Control										
*Batch B2F1701 - *** DEFAULT PREP ****										
Duplicate (B2F1701-DUP1) Continued			**Source: 2F16002-02**	Prepared & Analyzed: 06/17/22						
Total VOCs as Hexane	**<4.9**	4.9	ppmv						30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334567
Project No:	04-NDLA-013	**Date Received:**	06/16/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	06/28/22

Special Notes

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

24908

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

Client: The Source Group, Inc.	**Project Name / No.:** DFSP - Norwalk / 04-SDLA	**Sampler's Name:**	Bill Crendron
Project Manager: Neil Irish	**Site Address:** 15306 Norwalk Blvd	**Sampler's Signature:**	Bill Crendron
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. ID	Date	Time	Sample Matrix	No. of Cont	Total VOCs Gas 8015	Total VOCs Hexane 8015	BTEX//MTBE 8260B	Special Instructions
After GAC-1	2F16003-01	6/16/22	0929	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)
After GAC-2	-02	6/16/22	0931	Air	1	✓	✓	✓	

PRIORITY ✓ SH
Hrs 0600
Rush Date 6/17/22 Time

22 JUN 16 16:22

Relinquished by: Bill Crendron	Date: 6/16/22	Time: 1105	Received by:
Relinquished by:	Date: 6/16/22	Time: 1622	Received by:
Relinquished by:	Date:	Time:	Received by:

A5334567/2F16003

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

June 28, 2022

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5334568 / 2F16004

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 06/16/22 16:20 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: A5334568
Date Received: 06/16/22
Date Reported: 06/28/22

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
VES Carbon-Influent	2F16004-01	Vapor	5	06/16/22 09:27	06/16/22 16:20
VES Carbon-Effluent	2F16004-02	Vapor	5	06/16/22 09:34	06/16/22 16:20
VOCs Gasoline Range Organics Vapor					
VES Carbon-Influent	2F16004-01	Vapor	5	06/16/22 09:27	06/16/22 16:20
VES Carbon-Effluent	2F16004-02	Vapor	5	06/16/22 09:34	06/16/22 16:20
VOCs in Vapor as Hexane					
VES Carbon-Influent	2F16004-01	Vapor	5	06/16/22 09:27	06/16/22 16:20
VES Carbon-Effluent	2F16004-02	Vapor	5	06/16/22 09:34	06/16/22 16:20

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334568
Project No:	04-NDLA-013	**Date Received:**	06/16/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	06/28/22
Matrix:	Vapor	**Sampled:**	06/16/22
Dilution:	0.5	**Prepared:**	06/17/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	06/17/22

VES Carbon-Influent

2F16004-01 (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	105 %	70-140
Dibromofluoromethane	106 %	70-140
Toluene-d8	86.1 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334568
Project No:	04-NDLA-013	**Date Received:**	06/16/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	06/28/22
Matrix:	Vapor	**Sampled:**	06/16/22
Dilution:	0.5	**Prepared:**	06/17/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	06/17/22

VES Carbon-Effluent

2F16004-02 (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	94.2 %	70-140
Dibromofluoromethane	85.2 %	70-140
Toluene-d8	93.3 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334568
Project No:	04-NDLA-013	**Date Received:**	06/16/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	06/28/22
Matrix:	Vapor	**Sampled:**	06/16/22
Dilution:	1	**Prepared:**	06/17/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	06/17/22

VES Carbon-Influent

2F16004-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**95**	ug/L	20	**23**	ppmv	4.9

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334568
Project No:	04-NDLA-013	**Date Received:**	06/16/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	06/28/22
Matrix:	Vapor	**Sampled:**	06/16/22
Dilution:	1	**Prepared:**	06/17/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	06/17/22

VES Carbon-Effluent

2F16004-02 (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	91.2 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334568
Project No:	04-NDLA-013	**Date Received:**	06/16/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	06/28/22
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	06/16/22	06/16/22	
Date Prepared:	06/17/22	06/17/22	
Date Analyzed:	06/17/22	06/17/22	
AA ID No:	2F16004-01	2F16004-02	
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	**17**	<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: A5334568
Date Received: 06/16/22
Date Reported: 06/28/22

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 B2F1704 - *** DEFAULT PREP ****										
Blank (B2F1704-BLK1)				Prepared & Analyzed: 06/17/22						
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	*50.8*		*ug/L*	*50.0*		*102*	*70-140*			
Surrogate: Dibromofluoromethane	*44.4*		*ug/L*	*50.0*		*88.9*	*70-140*			
Surrogate: Toluene-d8	*46.7*		*ug/L*	*50.0*		*93.4*	*70-140*			
LCS (B2F1704-BS1)				Prepared & Analyzed: 06/17/22						
Benzene	**20.7**	0.50	ug/L	20.0		104	75-125			
Ethylbenzene	**21.8**	0.50	ug/L	20.0		109	75-125			
Methyl-tert-Butyl Ether (MTBE)	**36.7**	2.0	ug/L	40.0		91.8	75-125			
Toluene	**21.5**	0.50	ug/L	20.0		108	75-125			
o-Xylene	**20.7**	0.50	ug/L	20.0		104	75-125			
m,p-Xylenes	**39.4**	1.0	ug/L	40.0		98.5	75-125			
Surrogate: 4-Bromofluorobenzene	*47.0*		*ug/L*	*50.0*		*93.9*	*70-140*			
Surrogate: Dibromofluoromethane	*46.5*		*ug/L*	*50.0*		*93.0*	*70-140*			
Surrogate: Toluene-d8	*47.3*		*ug/L*	*50.0*		*94.6*	*70-140*			
LCS Dup (B2F1704-BSD1)				Prepared & Analyzed: 06/17/22						
Benzene	**19.9**	0.50	ug/L	20.0		99.6	75-125	3.94	30	
Ethylbenzene	**20.7**	0.50	ug/L	20.0		104	75-125	5.03	30	
Methyl-tert-Butyl Ether (MTBE)	**35.8**	2.0	ug/L	40.0		89.5	75-125	2.56	30	
Toluene	**21.0**	0.50	ug/L	20.0		105	75-125	2.35	30	
o-Xylene	**19.8**	0.50	ug/L	20.0		99.0	75-125	4.44	30	
m,p-Xylenes	**39.7**	1.0	ug/L	40.0		99.2	75-125	0.734	30	
Surrogate: 4-Bromofluorobenzene	*46.6*		*ug/L*	*50.0*		*93.1*	*70-140*			
Surrogate: Dibromofluoromethane	*47.8*		*ug/L*	*50.0*		*95.6*	*70-140*			
Surrogate: Toluene-d8	*48.5*		*ug/L*	*50.0*		*97.0*	*70-140*			
Duplicate (B2F1704-DUP1)			**Source: 2F16002-01**	Prepared & Analyzed: 06/17/22						

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: A5334568
Date Received: 06/16/22
Date Reported: 06/28/22

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 B2F1704 - *** DEFAULT PREP ****										
Duplicate (B2F1704-DUP1) Continued			**Source: 2F16002-01**	Prepared & Analyzed: 06/17/22						
Benzene	**1.21**	0.25	ug/L		1.30			7.17	30	
Ethylbenzene	**0.745**	0.25	ug/L		0.715			4.11	30	
Methyl-tert-Butyl Ether (MTBE)	**<1.0**	1.0	ug/L						30	
Toluene	**1.00**	0.25	ug/L		1.10			9.07	30	
o-Xylene	**0.995**	0.25	ug/L		0.895			10.6	30	
m,p-Xylenes	**2.67**	0.50	ug/L		2.46			8.19	30	
Surrogate: 4-Bromofluorobenzene	*45.3*		*ug/L*	*50.0*		*90.7*	*70-140*			
Surrogate: Dibromofluoromethane	*44.5*		*ug/L*	*50.0*		*89.0*	*70-140*			
Surrogate: Toluene-d8	*42.2*		*ug/L*	*50.0*		*84.3*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B2F1701 - *** DEFAULT PREP ****										
Blank (B2F1701-BLK1)				Prepared & Analyzed: 06/17/22						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*48.8*		*ug/L*	*50.0*		*97.6*	*70-130*			
LCS (B2F1701-BS1)				Prepared & Analyzed: 06/17/22						
Gasoline Range Organics (GRO)	**496**	20	ug/L	500		99.1	75-125			
Surrogate: a,a,a-Trifluorotoluene	*54.5*		*ug/L*	*50.0*		*109*	*70-130*			
LCS Dup (B2F1701-BSD1)				Prepared & Analyzed: 06/17/22						
Gasoline Range Organics (GRO)	**515**	20	ug/L	500		103	75-125	3.78	30	
Surrogate: a,a,a-Trifluorotoluene	*56.5*		*ug/L*	*50.0*		*113*	*70-130*			
Duplicate (B2F1701-DUP1)			**Source: 2F16002-02**	Prepared & Analyzed: 06/17/22						
Gasoline Range Organics (GRO)	**<20**	20	ug/L						30	
Surrogate: a,a,a-Trifluorotoluene	*47.4*		*ug/L*	*50.0*		*94.8*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B2F1701 - *** DEFAULT PREP ****										
Blank (B2F1701-BLK1)				Prepared & Analyzed: 06/17/22						
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B2F1701-DUP1)			**Source: 2F16002-02**	Prepared & Analyzed: 06/17/22						

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: A5334568
Date Received: 06/16/22
Date Reported: 06/28/22

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor as Hexane - Quality Control										
*Batch B2F1701 - *** DEFAULT PREP ****										
Duplicate (B2F1701-DUP1) Continued			**Source: 2F16002-02**	Prepared & Analyzed: 06/17/22						
Total VOCs as Hexane	**<4.9**	4.9	ppmv						30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334568
Project No:	04-NDLA-013	**Date Received:**	06/16/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	06/28/22

Special Notes

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

24909

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:** Bill Crendron	
Project Manager: Neil Irish	**Site Address:** 15306 Norwalk Blvd	**Sampler's Signature:** Bill Crendron	
Phone: 562-597-1055	**City:** Norwalk	**P.O. No.:**	
Fax: 569-597-1070	**State & Zip:** CA 90650	**Quote No.:**	

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	Total VOCs Gas 8015	Total VOCs Hexane 8015	BTEX/MTBE 8260B	Special Instructions
						Please enter the TAT Turnaround Codes ** below			
VES Carbon-Influent	2F16004-01	6/16/22	0927	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	6/16/22	0934	Air	1	✓	✓	✓	

PRIORITY
SH
Rush
Date 6/17/22 Time 0630 am

22 JUN 16 16:20

Relinquished by	Date	Time	Received by
Bill Crendron	6/16/22	1105	
	6/16/22	1620	

A5334568 / 2F16004

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

May 23, 2022

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5334533 / 2E10018

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 05/10/22 17:08 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: A5334533
Date Received: 05/10/22
Date Reported: 05/23/22

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
HW-1	2E10018-01	Vapor	5	05/10/22 11:45	05/10/22 17:08
HW-5	2E10018-02	Vapor	5	05/10/22 11:55	05/10/22 17:08
HW-7	2E10018-03	Vapor	5	05/10/22 12:00	05/10/22 17:08
HW-9	2E10018-04	Vapor	5	05/10/22 11:50	05/10/22 17:08
VOCs Gasoline Range Organics Vapor					
HW-1	2E10018-01	Vapor	5	05/10/22 11:45	05/10/22 17:08
HW-5	2E10018-02	Vapor	5	05/10/22 11:55	05/10/22 17:08
HW-7	2E10018-03	Vapor	5	05/10/22 12:00	05/10/22 17:08
HW-9	2E10018-04	Vapor	5	05/10/22 11:50	05/10/22 17:08
VOCs in Vapor as Hexane					
HW-1	2E10018-01	Vapor	5	05/10/22 11:45	05/10/22 17:08
HW-5	2E10018-02	Vapor	5	05/10/22 11:55	05/10/22 17:08
HW-7	2E10018-03	Vapor	5	05/10/22 12:00	05/10/22 17:08
HW-9	2E10018-04	Vapor	5	05/10/22 11:50	05/10/22 17:08

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334533
Project No:	04-NDLA-013	**Date Received:**	05/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/23/22
Matrix:	Vapor	**Sampled:**	05/10/22
Dilution:	0.5	**Prepared:**	05/11/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	05/11/22

HW-1

2E10018-01 (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	86.1 %	70-140
Dibromofluoromethane	99.4 %	70-140
Toluene-d8	90.7 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334533
Project No:	04-NDLA-013	**Date Received:**	05/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/23/22
Matrix:	Vapor	**Sampled:**	05/10/22
Dilution:	0.5	**Prepared:**	05/11/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	05/11/22

HW-5

2E10018-02 (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	86.3 %	70-140
Dibromofluoromethane	100 %	70-140
Toluene-d8	90.8 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334533
Project No:	04-NDLA-013	**Date Received:**	05/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/23/22
Matrix:	Vapor	**Sampled:**	05/10/22
Dilution:	0.5	**Prepared:**	05/11/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	05/11/22

HW-7

2E10018-03 (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	85.9 %	70-140
Dibromofluoromethane	96.3 %	70-140
Toluene-d8	90.1 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334533
Project No:	04-NDLA-013	**Date Received:**	05/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/23/22
Matrix:	Vapor	**Sampled:**	05/10/22
Dilution:	0.5	**Prepared:**	05/11/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	05/11/22

HW-9

2E10018-04 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.25	ug/L	0.50	<0.078	ppmv	0.16
Ethylbenzene	**0.40**	ug/L	0.50	**0.092**	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	**0.70**	ug/L	1.0	**0.16**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	78.5 %	70-140
Dibromofluoromethane	96.0 %	70-140
Toluene-d8	91.8 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334533
Project No:	04-NDLA-013	**Date Received:**	05/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/23/22
Matrix:	Vapor	**Sampled:**	05/10/22
Dilution:	1	**Prepared:**	05/11/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	05/11/22

HW-1

2E10018-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**28**	ug/L	20	**6.8**	ppmv	4.9

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334533
Project No:	04-NDLA-013	**Date Received:**	05/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/23/22
Matrix:	Vapor	**Sampled:**	05/10/22
Dilution:	1	**Prepared:**	05/11/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	05/11/22

HW-5

2E10018-02 (Vapor)

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

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334533
Project No:	04-NDLA-013	**Date Received:**	05/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/23/22
Matrix:	Vapor	**Sampled:**	05/10/22
Dilution:	1	**Prepared:**	05/11/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	05/11/22

HW-7

2E10018-03 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**640**	ug/L	20	**160**	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	113 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334533
Project No:	04-NDLA-013	**Date Received:**	05/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/23/22
Matrix:	Vapor	**Sampled:**	05/10/22
Dilution:	1	**Prepared:**	05/11/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	05/11/22

HW-9

2E10018-04 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**790**	ug/L	20	**190**	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:**	A5334533
Project No:	04-NDLA-013	**Date Received:**	05/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/23/22
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	05/10/22	05/10/22	05/10/22	05/10/22	
Date Prepared:	05/11/22	05/11/22	05/11/22	05/11/22	
Date Analyzed:	05/11/22	05/11/22	05/11/22	05/11/22	
AA ID No:	2E10018-01	2E10018-02	2E10018-03	2E10018-04	
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	**5.0**	<4.9	**120**	**140**	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: A5334533
Date Received: 05/10/22
Date Reported: 05/23/22

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 B2E1112 - *** DEFAULT PREP ****										
Blank (B2E1112-BLK1)				Prepared & Analyzed: 05/11/22						
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	*43.8*		*ug/L*	*50.0*		*87.7*	*70-140*			
Surrogate: Dibromofluoromethane	*45.5*		*ug/L*	*50.0*		*90.9*	*70-140*			
Surrogate: Toluene-d8	*46.8*		*ug/L*	*50.0*		*93.6*	*70-140*			
LCS (B2E1112-BS1)				Prepared & Analyzed: 05/11/22						
Benzene	**19.0**	0.50	ug/L	20.0		94.8	75-125			
Ethylbenzene	**22.5**	0.50	ug/L	20.0		112	75-125			
Methyl-tert-Butyl Ether (MTBE)	**24.0**	2.0	ug/L	40.0		60.1	75-125			QL-07
Toluene	**21.7**	0.50	ug/L	20.0		108	75-125			
o-Xylene	**23.0**	0.50	ug/L	20.0		115	75-125			
m,p-Xylenes	**46.1**	1.0	ug/L	40.0		115	75-125			
Surrogate: 4-Bromofluorobenzene	*42.6*		*ug/L*	*50.0*		*85.3*	*70-140*			
Surrogate: Dibromofluoromethane	*39.6*		*ug/L*	*50.0*		*79.2*	*70-140*			
Surrogate: Toluene-d8	*47.7*		*ug/L*	*50.0*		*95.4*	*70-140*			
LCS Dup (B2E1112-BSD1)				Prepared & Analyzed: 05/11/22						
Benzene	**21.5**	0.50	ug/L	20.0		107	75-125	12.5	30	
Ethylbenzene	**22.1**	0.50	ug/L	20.0		110	75-125	1.89	30	
Methyl-tert-Butyl Ether (MTBE)	**29.3**	2.0	ug/L	40.0		73.2	75-125	19.7	30	QL-07
Toluene	**22.9**	0.50	ug/L	20.0		114	75-125	5.43	30	
o-Xylene	**24.4**	0.50	ug/L	20.0		122	75-125	6.33	30	
m,p-Xylenes	**48.6**	1.0	ug/L	40.0		122	75-125	5.30	30	
Surrogate: 4-Bromofluorobenzene	*44.1*		*ug/L*	*50.0*		*88.2*	*70-140*			
Surrogate: Dibromofluoromethane	*42.2*		*ug/L*	*50.0*		*84.4*	*70-140*			
Surrogate: Toluene-d8	*48.5*		*ug/L*	*50.0*		*97.0*	*70-140*			
Duplicate (B2E1112-DUP1)				**Source: 2E10015-01** Prepared & Analyzed: 05/11/22						

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: A5334533
Date Received: 05/10/22
Date Reported: 05/23/22

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 B2E1112 - *** DEFAULT PREP ****										
Duplicate (B2E1112-DUP1) Continued			**Source: 2E10015-01**	Prepared & Analyzed: 05/11/22						
Benzene	**1.41**	0.25	ug/L		1.74			21.2	30	
Ethylbenzene	**0.975**	0.25	ug/L		1.08			10.2	30	
Methyl-tert-Butyl Ether (MTBE)	**<1.0**	1.0	ug/L						30	
Toluene	**1.06**	0.25	ug/L		1.18			10.7	30	
o-Xylene	**1.10**	0.25	ug/L		1.18			7.44	30	
m,p-Xylenes	**3.27**	0.50	ug/L		3.50			6.65	30	
Surrogate: 4-Bromofluorobenzene	*39.8*		*ug/L*	*50.0*		*79.6*	*70-140*			
Surrogate: Dibromofluoromethane	*47.7*		*ug/L*	*50.0*		*95.3*	*70-140*			
Surrogate: Toluene-d8	*45.2*		*ug/L*	*50.0*		*90.5*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B2E1116 - *** DEFAULT PREP ****										
Blank (B2E1116-BLK1)				Prepared & Analyzed: 05/11/22						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*50.6*		*ug/L*	*50.0*		*101*	*70-130*			
LCS (B2E1116-BS1)				Prepared & Analyzed: 05/11/22						
Gasoline Range Organics (GRO)	**458**	20	ug/L	500		91.7	75-125			
Surrogate: a,a,a-Trifluorotoluene	*56.8*		*ug/L*	*50.0*		*114*	*70-130*			
LCS Dup (B2E1116-BSD1)				Prepared & Analyzed: 05/11/22						
Gasoline Range Organics (GRO)	**484**	20	ug/L	500		96.7	75-125	5.36	30	
Surrogate: a,a,a-Trifluorotoluene	*61.7*		*ug/L*	*50.0*		*123*	*70-130*			
Duplicate (B2E1116-DUP1)			**Source: 2E10016-01**	Prepared & Analyzed: 05/11/22						
Gasoline Range Organics (GRO)	**134**	20	ug/L		148			9.90	30	
Surrogate: a,a,a-Trifluorotoluene	*53.2*		*ug/L*	*50.0*		*106*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B2E1116 - *** DEFAULT PREP ****										
Blank (B2E1116-BLK1)				Prepared & Analyzed: 05/11/22						
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B2E1116-DUP1)			**Source: 2E10016-01**	Prepared & Analyzed: 05/11/22						

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: A5334533
Date Received: 05/10/22
Date Reported: 05/23/22

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor as Hexane - Quality Control										
*Batch B2E1116 - *** DEFAULT PREP ****										
Duplicate (B2E1116-DUP1) Continued			**Source: 2E10016-01**	Prepared & Analyzed: 05/11/22						
Total VOCs as Hexane	**24.2**	4.9	ppmv		26.7			9.90	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334533
Project No:	04-NDLA-013	**Date Received:**	05/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/23/22

Special Notes

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

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

2E1001

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

X091-NOR-001 Phase 2-10

Client: The Source Group, Inc.	**Project Name / No.:** DFSP - Norwalk / ~~091-NDL-A~~	**Sampler's Name:** Bill Crendron
Project Manager: Neil Irish	**Site Address:** 15306 Norwalk Blvd	**Sampler's Signature:** Bill Crendron
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			
HW-1	2E10018-01	5/10/22	1145	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)
HW-5	-02	↓	1155	Air	1	✓	✓	✓	
HW-7	-03		1200	Air	1	✓	✓	✓	
HW-9	-04		1150	Air	1	✓	✓	✓	

PRIORITY
RUSH 5/11/22 0600

22 MAY 10 17:09

A5332533/2E1001S

Relinquished by	Date	Time	Received by
Bill Crendron	5/10/22	1400	
	5/10/22	1708	
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

May 02, 2022

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5334514 / 2D20015

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 04/20/22 15:36 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: A5334514
Date Received: 04/20/22
Date Reported: 05/02/22

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
VES Thermox-Influent	2D20015-01	Vapor	5	04/20/22 10:14	04/20/22 15:36
VES Thermox-Effluent	2D20015-02	Vapor	5	04/20/22 10:01	04/20/22 15:36
VOCs Gasoline Range Organics Vapor					
VES Thermox-Influent	2D20015-01	Vapor	5	04/20/22 10:14	04/20/22 15:36
VES Thermox-Effluent	2D20015-02	Vapor	5	04/20/22 10:01	04/20/22 15:36
VOCs in Vapor as Hexane					
VES Thermox-Influent	2D20015-01	Vapor	5	04/20/22 10:14	04/20/22 15:36
VES Thermox-Effluent	2D20015-02	Vapor	5	04/20/22 10:01	04/20/22 15:36

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334514
Project No:	04-NDLA-013	**Date Received:**	04/20/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/02/22
Matrix:	Vapor	**Sampled:**	04/20/22
Dilution:	0.5	**Prepared:**	04/21/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	04/21/22

VES Thermox-Influent

2D20015-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**1.3**	ug/L	0.50	**0.41**	ppmv	0.16
Ethylbenzene	**0.93**	ug/L	0.50	**0.21**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<1.0	ug/L	2.0	<0.28	ppmv	0.55
Toluene	**0.89**	ug/L	0.50	**0.24**	ppmv	0.13
o-Xylene	**1.1**	ug/L	0.50	**0.25**	ppmv	0.12
m,p-Xylenes	**2.7**	ug/L	1.0	**0.62**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	86.9 %	70-140
Dibromofluoromethane	99.9 %	70-140
Toluene-d8	93.0 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334514
Project No:	04-NDLA-013	**Date Received:**	04/20/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/02/22
Matrix:	Vapor	**Sampled:**	04/20/22
Dilution:	0.5	**Prepared:**	04/21/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	04/21/22

VES Thermox-Effluent

2D20015-02 (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	95.8 %	70-140
Dibromofluoromethane	101 %	70-140
Toluene-d8	95.1 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334514
Project No:	04-NDLA-013	**Date Received:**	04/20/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/02/22
Matrix:	Vapor	**Sampled:**	04/20/22
Dilution:	1	**Prepared:**	04/21/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	04/21/22

VES Thermox-Influent

2D20015-01 (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	125 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334514
Project No:	04-NDLA-013	**Date Received:**	04/20/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/02/22
Matrix:	Vapor	**Sampled:**	04/20/22
Dilution:	1	**Prepared:**	04/21/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	04/21/22

VES Thermox-Effluent

2D20015-02 (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	110 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334514
Project No:	04-NDLA-013	**Date Received:**	04/20/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/02/22
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	04/20/22	04/20/22	
Date Prepared:	04/21/22	04/21/22	
Date Analyzed:	04/21/22	04/21/22	
AA ID No:	2D20015-01	2D20015-02	
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	**280**	<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: A5334514
Date Received: 04/20/22
Date Reported: 05/02/22

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 B2D2103 - *** DEFAULT PREP ****										
Blank (B2D2103-BLK1)				Prepared & Analyzed: 04/21/22						
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	*48.1*		*ug/L*	*50.0*		*96.2*	*70-140*			
Surrogate: Dibromofluoromethane	*50.2*		*ug/L*	*50.0*		*100*	*70-140*			
Surrogate: Toluene-d8	*47.9*		*ug/L*	*50.0*		*95.7*	*70-140*			
LCS (B2D2103-BS1)				Prepared & Analyzed: 04/21/22						
Benzene	**19.4**	0.50	ug/L	20.0		97.0	75-125			
Ethylbenzene	**21.0**	0.50	ug/L	20.0		105	75-125			
Methyl-tert-Butyl Ether (MTBE)	**28.3**	2.0	ug/L	40.0		70.7	75-125			QL-02
Toluene	**20.0**	0.50	ug/L	20.0		100	75-125			
o-Xylene	**20.3**	0.50	ug/L	20.0		102	75-125			
m,p-Xylenes	**41.8**	1.0	ug/L	40.0		104	75-125			
Surrogate: 4-Bromofluorobenzene	*46.3*		*ug/L*	*50.0*		*92.5*	*70-140*			
Surrogate: Dibromofluoromethane	*45.4*		*ug/L*	*50.0*		*90.9*	*70-140*			
Surrogate: Toluene-d8	*48.5*		*ug/L*	*50.0*		*97.0*	*70-140*			
LCS Dup (B2D2103-BSD1)				Prepared & Analyzed: 04/21/22						
Benzene	**19.6**	0.50	ug/L	20.0		97.8	75-125	0.821	30	
Ethylbenzene	**21.9**	0.50	ug/L	20.0		109	75-125	4.30	30	
Methyl-tert-Butyl Ether (MTBE)	**30.4**	2.0	ug/L	40.0		76.1	75-125	7.39	30	
Toluene	**20.8**	0.50	ug/L	20.0		104	75-125	3.97	30	
o-Xylene	**22.0**	0.50	ug/L	20.0		110	75-125	8.07	30	
m,p-Xylenes	**44.3**	1.0	ug/L	40.0		111	75-125	5.88	30	
Surrogate: 4-Bromofluorobenzene	*45.2*		*ug/L*	*50.0*		*90.3*	*70-140*			
Surrogate: Dibromofluoromethane	*44.8*		*ug/L*	*50.0*		*89.5*	*70-140*			
Surrogate: Toluene-d8	*47.3*		*ug/L*	*50.0*		*94.6*	*70-140*			
Duplicate (B2D2103-DUP1)				**Source: 2D20013-01** Prepared & Analyzed: 04/21/22						

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: A5334514
Date Received: 04/20/22
Date Reported: 05/02/22

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 B2D2103 - *** DEFAULT PREP ****										
Duplicate (B2D2103-DUP1) Continued			**Source: 2D20013-01**	Prepared & Analyzed: 04/21/22						
Benzene	**<0.25**	0.25	ug/L		0.130			7.41	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	*47.2*		*ug/L*	*50.0*		*94.5*	*70-140*			
Surrogate: Dibromofluoromethane	*50.8*		*ug/L*	*50.0*		*102*	*70-140*			
Surrogate: Toluene-d8	*47.5*		*ug/L*	*50.0*		*95.1*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B2D2102 - *** DEFAULT PREP ****										
Blank (B2D2102-BLK1)				Prepared & Analyzed: 04/21/22						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*53.2*		*ug/L*	*50.0*		*106*	*70-130*			
LCS (B2D2102-BS1)				Prepared & Analyzed: 04/21/22						
Gasoline Range Organics (GRO)	**452**	20	ug/L	500		90.4	75-125			
Surrogate: a,a,a-Trifluorotoluene	*57.2*		*ug/L*	*50.0*		*114*	*70-130*			
LCS Dup (B2D2102-BSD1)				Prepared & Analyzed: 04/21/22						
Gasoline Range Organics (GRO)	**504**	20	ug/L	500		101	75-125	10.9	30	
Surrogate: a,a,a-Trifluorotoluene	*62.7*		*ug/L*	*50.0*		*125*	*70-130*			
Duplicate (B2D2102-DUP1)			**Source: 2D20015-01**	Prepared & Analyzed: 04/21/22						
Gasoline Range Organics (GRO)	**1160**	100	ug/L		1550			28.2	30	
Surrogate: a,a,a-Trifluorotoluene	*52.4*		*ug/L*	*50.0*		*105*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B2D2102 - *** DEFAULT PREP ****										
Blank (B2D2102-BLK1)				Prepared & Analyzed: 04/21/22						
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B2D2102-DUP1)			**Source: 2D20015-01**	Prepared & Analyzed: 04/21/22						

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: A5334514
Date Received: 04/20/22
Date Reported: 05/02/22

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor as Hexane - Quality Control										
*Batch B2D2102 - *** DEFAULT PREP ****										
Duplicate (B2D2102-DUP1) Continued	**Source: 2D20015-01**		Prepared & Analyzed: 04/21/22							
Total VOCs as Hexane	**206**	24	ppmv		280			30.6	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334514
Project No:	04-NDLA-013	**Date Received:**	04/20/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/02/22

Special Notes

[1] = **QL-02** : The recovery for this analyte is outside of the acceptance control limits for the LCS. The data was validated based on the acceptable recovery for this analyte in the LCSD.

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

9765 ETON AVE., CHATSWORTH, CA 91311

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

24562

Page 1 of 1

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	2D20015-01	4-20-22	1014	Air	1	✓	✓	✓								*VOC's reported as GRO (detection limit = 4.9 ppmv) and *VOCs as Hexane (detection limit = 4.9 ppmv) *Benzene (detection limit = 1 ppmv) *Ethyl benzene DL = 1 ppmv) *MTBE (detection limit = 2 ppmv)
VES Thermox-Effluent	-02	"	1001	Air	1	✓	✓	✓								

PRIORITY Rush Hrs SH Date 4/21/22 Time 0815 Sign.

'22 APR 20 15:36

Relinquished by	Date	Time	Received by
Glenn Androsko	4-20-22	1051	[signature]
[signature]	4-20-22	1536	[signature]

A5334514/2D20015

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

May 23, 2022

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5334530 / 2E10015

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 05/10/22 17:08 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: A5334530
Date Received: 05/10/22
Date Reported: 05/23/22

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
VES Thermox-Influent	2E10015-01	Vapor	5	05/10/22 10:30	05/10/22 17:08
VES Thermox-Effluent	2E10015-02	Vapor	5	05/10/22 10:25	05/10/22 17:08
VOCs Gasoline Range Organics Vapor					
VES Thermox-Influent	2E10015-01	Vapor	5	05/10/22 10:30	05/10/22 17:08
VES Thermox-Effluent	2E10015-02	Vapor	5	05/10/22 10:25	05/10/22 17:08
VOCs in Vapor as Hexane					
VES Thermox-Influent	2E10015-01	Vapor	5	05/10/22 10:30	05/10/22 17:08
VES Thermox-Effluent	2E10015-02	Vapor	5	05/10/22 10:25	05/10/22 17:08

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334530
Project No:	04-NDLA-013	**Date Received:**	05/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/23/22
Matrix:	Vapor	**Sampled:**	05/10/22
Dilution:	0.5	**Prepared:**	05/11/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	05/11/22

VES Thermox-Influent

2E10015-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**1.7**	ug/L	0.50	**0.53**	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	**1.2**	ug/L	0.50	**0.32**	ppmv	0.13
o-Xylene	**1.2**	ug/L	0.50	**0.28**	ppmv	0.12
m,p-Xylenes	**3.5**	ug/L	1.0	**0.81**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	80.2 %	70-140
Dibromofluoromethane	105 %	70-140
Toluene-d8	90.3 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334530
Project No:	04-NDLA-013	**Date Received:**	05/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/23/22
Matrix:	Vapor	**Sampled:**	05/10/22
Dilution:	0.5	**Prepared:**	05/11/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	05/11/22

VES Thermox-Effluent

2E10015-02 (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	95.4 %	70-140
Toluene-d8	94.0 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334530
Project No:	04-NDLA-013	**Date Received:**	05/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/23/22
Matrix:	Vapor	**Sampled:**	05/10/22
Dilution:	1	**Prepared:**	05/11/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	05/11/22

VES Thermox-Influent

2E10015-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**1600**	ug/L	20	**390**	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	119 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334530
Project No:	04-NDLA-013	**Date Received:**	05/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/23/22
Matrix:	Vapor	**Sampled:**	05/10/22
Dilution:	1	**Prepared:**	05/11/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	05/11/22

VES Thermox-Effluent

2E10015-02 (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	116 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334530
Project No:	04-NDLA-013	**Date Received:**	05/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/23/22
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	05/10/22	05/10/22	
Date Prepared:	05/11/22	05/11/22	
Date Analyzed:	05/11/22	05/11/22	
AA ID No:	2E10015-01	2E10015-02	
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	**290**	<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: A5334530
Date Received: 05/10/22
Date Reported: 05/23/22

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 B2E1112 - *** DEFAULT PREP ****										
Blank (B2E1112-BLK1)				Prepared & Analyzed: 05/11/22						
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	*43.8*		*ug/L*	*50.0*		*87.7*	*70-140*			
Surrogate: Dibromofluoromethane	*45.5*		*ug/L*	*50.0*		*90.9*	*70-140*			
Surrogate: Toluene-d8	*46.8*		*ug/L*	*50.0*		*93.6*	*70-140*			
LCS (B2E1112-BS1)				Prepared & Analyzed: 05/11/22						
Benzene	**19.0**	0.50	ug/L	20.0		94.8	75-125			
Ethylbenzene	**22.5**	0.50	ug/L	20.0		112	75-125			
Methyl-tert-Butyl Ether (MTBE)	**24.0**	2.0	ug/L	40.0		60.1	75-125			QL-07
Toluene	**21.7**	0.50	ug/L	20.0		108	75-125			
o-Xylene	**23.0**	0.50	ug/L	20.0		115	75-125			
m,p-Xylenes	**46.1**	1.0	ug/L	40.0		115	75-125			
Surrogate: 4-Bromofluorobenzene	*42.6*		*ug/L*	*50.0*		*85.3*	*70-140*			
Surrogate: Dibromofluoromethane	*39.6*		*ug/L*	*50.0*		*79.2*	*70-140*			
Surrogate: Toluene-d8	*47.7*		*ug/L*	*50.0*		*95.4*	*70-140*			
LCS Dup (B2E1112-BSD1)				Prepared & Analyzed: 05/11/22						
Benzene	**21.5**	0.50	ug/L	20.0		107	75-125	12.5	30	
Ethylbenzene	**22.1**	0.50	ug/L	20.0		110	75-125	1.89	30	
Methyl-tert-Butyl Ether (MTBE)	**29.3**	2.0	ug/L	40.0		73.2	75-125	19.7	30	QL-07
Toluene	**22.9**	0.50	ug/L	20.0		114	75-125	5.43	30	
o-Xylene	**24.4**	0.50	ug/L	20.0		122	75-125	6.33	30	
m,p-Xylenes	**48.6**	1.0	ug/L	40.0		122	75-125	5.30	30	
Surrogate: 4-Bromofluorobenzene	*44.1*		*ug/L*	*50.0*		*88.2*	*70-140*			
Surrogate: Dibromofluoromethane	*42.2*		*ug/L*	*50.0*		*84.4*	*70-140*			
Surrogate: Toluene-d8	*48.5*		*ug/L*	*50.0*		*97.0*	*70-140*			
Duplicate (B2E1112-DUP1)				**Source: 2E10015-01** Prepared & Analyzed: 05/11/22						

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: A5334530
Date Received: 05/10/22
Date Reported: 05/23/22

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 B2E1112 - *** DEFAULT PREP ****										
Duplicate (B2E1112-DUP1) Continued			**Source: 2E10015-01**	Prepared & Analyzed: 05/11/22						
Benzene	**1.41**	0.25	ug/L		1.74			21.2	30	
Ethylbenzene	**0.975**	0.25	ug/L		1.08			10.2	30	
Methyl-tert-Butyl Ether (MTBE)	**<1.0**	1.0	ug/L		<1.0				30	
Toluene	**1.06**	0.25	ug/L		1.18			10.7	30	
o-Xylene	**1.10**	0.25	ug/L		1.18			7.44	30	
m,p-Xylenes	**3.27**	0.50	ug/L		3.50			6.65	30	
Surrogate: 4-Bromofluorobenzene	*39.8*		*ug/L*	*50.0*		*79.6*	*70-140*			
Surrogate: Dibromofluoromethane	*47.7*		*ug/L*	*50.0*		*95.3*	*70-140*			
Surrogate: Toluene-d8	*45.2*		*ug/L*	*50.0*		*90.5*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B2E1116 - *** DEFAULT PREP ****										
Blank (B2E1116-BLK1)				Prepared & Analyzed: 05/11/22						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*50.6*		*ug/L*	*50.0*		*101*	*70-130*			
LCS (B2E1116-BS1)				Prepared & Analyzed: 05/11/22						
Gasoline Range Organics (GRO)	**458**	20	ug/L	500		91.7	75-125			
Surrogate: a,a,a-Trifluorotoluene	*56.8*		*ug/L*	*50.0*		*114*	*70-130*			
LCS Dup (B2E1116-BSD1)				Prepared & Analyzed: 05/11/22						
Gasoline Range Organics (GRO)	**484**	20	ug/L	500		96.7	75-125	5.36	30	
Surrogate: a,a,a-Trifluorotoluene	*61.7*		*ug/L*	*50.0*		*123*	*70-130*			
Duplicate (B2E1116-DUP1)			**Source: 2E10016-01**	Prepared & Analyzed: 05/11/22						
Gasoline Range Organics (GRO)	**134**	20	ug/L		148			9.90	30	
Surrogate: a,a,a-Trifluorotoluene	*53.2*		*ug/L*	*50.0*		*106*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B2E1116 - *** DEFAULT PREP ****										
Blank (B2E1116-BLK1)				Prepared & Analyzed: 05/11/22						
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B2E1116-DUP1)			**Source: 2E10016-01**	Prepared & Analyzed: 05/11/22						

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: A5334530
Date Received: 05/10/22
Date Reported: 05/23/22

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor as Hexane - Quality Control										
*Batch B2E1116 - *** DEFAULT PREP ****										
Duplicate (B2E1116-DUP1) Continued			**Source: 2E10016-01**	Prepared & Analyzed: 05/11/22						
Total VOCs as Hexane	**24.2**	4.9	ppmv		26.7			9.90	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334530
Project No:	04-NDLA-013	**Date Received:**	05/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/23/22

Special Notes

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

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

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

24699

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

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	Total VOCs Gas 8015	Total VOCs Hexane 8015	BTEX/MTBE 8260B							Special Instructions
						Please enter the TAT Turnaround Codes ** below									
VES Thermox-Influent	2E10015-01	5/10/22	1030	Air	1	✓	✓	✓							*VOC's reported as GRO (detection limit = 4.9 ppmv) and *VOCs as Hexane (detection limit = 4.9 ppmv) *Benzene (detection limit = 1 ppmv) *Ethyl benzene DL = 1 ppmv) *MTBE (detection limit = 2 ppmv)
VES Thermox-Effluent	-02	5/10/22	1028	Air	1	✓	✓	✓							

PRIORITY
Relinquished by: SH Date: 5/11/22 Time: 0600

22 MAY 10 17:08

AJ334530/2E10015

Relinquished by	Date	Time	Received by
Bill Cendon	5/10/22	1400	
	5/10/22	1708	
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

June 28, 2022

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5334566 / 2F16002

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 06/16/22 13:26 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: A5334566
Date Received: 06/16/22
Date Reported: 06/28/22

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
VES Thermox-Influent	2F16002-01	Vapor	5	06/16/22 09:37	06/16/22 13:26
VES Thermox-Effluent	2F16002-02	Vapor	5	06/16/22 09:40	06/16/22 13:26
VOCs Gasoline Range Organics Vapor					
VES Thermox-Influent	2F16002-01	Vapor	5	06/16/22 09:37	06/16/22 13:26
VES Thermox-Effluent	2F16002-02	Vapor	5	06/16/22 09:40	06/16/22 13:26
VOCs in Vapor as Hexane					
VES Thermox-Influent	2F16002-01	Vapor	5	06/16/22 09:37	06/16/22 13:26
VES Thermox-Effluent	2F16002-02	Vapor	5	06/16/22 09:40	06/16/22 13:26

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334566
Project No:	04-NDLA-013	**Date Received:**	06/16/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	06/28/22
Matrix:	Vapor	**Sampled:**	06/16/22
Dilution:	0.5	**Prepared:**	06/17/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	06/17/22

VES Thermox-Influent

2F16002-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**1.3**	ug/L	0.50	**0.41**	ppmv	0.16
Ethylbenzene	**0.72**	ug/L	0.50	**0.17**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<1.0	ug/L	2.0	<0.28	ppmv	0.55
Toluene	**1.1**	ug/L	0.50	**0.29**	ppmv	0.13
o-Xylene	**0.90**	ug/L	0.50	**0.21**	ppmv	0.12
m,p-Xylenes	**2.5**	ug/L	1.0	**0.58**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	95.0 %	70-140
Dibromofluoromethane	91.1 %	70-140
Toluene-d8	91.4 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334566
Project No:	04-NDLA-013	**Date Received:**	06/16/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	06/28/22
Matrix:	Vapor	**Sampled:**	06/16/22
Dilution:	0.5	**Prepared:**	06/17/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	06/17/22

VES Thermox-Effluent

2F16002-02 (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	95.5 %	70-140
Toluene-d8	89.3 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334566
Project No:	04-NDLA-013	**Date Received:**	06/16/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	06/28/22
Matrix:	Vapor	**Sampled:**	06/16/22
Dilution:	1	**Prepared:**	06/17/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	06/17/22

VES Thermox-Influent

2F16002-01 (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	117 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334566
Project No:	04-NDLA-013	**Date Received:**	06/16/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	06/28/22
Matrix:	Vapor	**Sampled:**	06/16/22
Dilution:	1	**Prepared:**	06/17/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	06/17/22

VES Thermox-Effluent

2F16002-02 (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	90.3 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334566
Project No:	04-NDLA-013	**Date Received:**	06/16/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	06/28/22
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	06/16/22	06/16/22	
Date Prepared:	06/17/22	06/17/22	
Date Analyzed:	06/17/22	06/17/22	
AA ID No:	2F16002-01	2F16002-02	
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: A5334566
Date Received: 06/16/22
Date Reported: 06/28/22

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 B2F1704 - *** DEFAULT PREP ****										
Blank (B2F1704-BLK1)				Prepared & Analyzed: 06/17/22						
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	*50.8*		*ug/L*	*50.0*		*102*	*70-140*			
Surrogate: Dibromofluoromethane	*44.4*		*ug/L*	*50.0*		*88.9*	*70-140*			
Surrogate: Toluene-d8	*46.7*		*ug/L*	*50.0*		*93.4*	*70-140*			
LCS (B2F1704-BS1)				Prepared & Analyzed: 06/17/22						
Benzene	**20.7**	0.50	ug/L	20.0		104	75-125			
Ethylbenzene	**21.8**	0.50	ug/L	20.0		109	75-125			
Methyl-tert-Butyl Ether (MTBE)	**36.7**	2.0	ug/L	40.0		91.8	75-125			
Toluene	**21.5**	0.50	ug/L	20.0		108	75-125			
o-Xylene	**20.7**	0.50	ug/L	20.0		104	75-125			
m,p-Xylenes	**39.4**	1.0	ug/L	40.0		98.5	75-125			
Surrogate: 4-Bromofluorobenzene	*47.0*		*ug/L*	*50.0*		*93.9*	*70-140*			
Surrogate: Dibromofluoromethane	*46.5*		*ug/L*	*50.0*		*93.0*	*70-140*			
Surrogate: Toluene-d8	*47.3*		*ug/L*	*50.0*		*94.6*	*70-140*			
LCS Dup (B2F1704-BSD1)				Prepared & Analyzed: 06/17/22						
Benzene	**19.9**	0.50	ug/L	20.0		99.6	75-125	3.94	30	
Ethylbenzene	**20.7**	0.50	ug/L	20.0		104	75-125	5.03	30	
Methyl-tert-Butyl Ether (MTBE)	**35.8**	2.0	ug/L	40.0		89.5	75-125	2.56	30	
Toluene	**21.0**	0.50	ug/L	20.0		105	75-125	2.35	30	
o-Xylene	**19.8**	0.50	ug/L	20.0		99.0	75-125	4.44	30	
m,p-Xylenes	**39.7**	1.0	ug/L	40.0		99.2	75-125	0.734	30	
Surrogate: 4-Bromofluorobenzene	*46.6*		*ug/L*	*50.0*		*93.1*	*70-140*			
Surrogate: Dibromofluoromethane	*47.8*		*ug/L*	*50.0*		*95.6*	*70-140*			
Surrogate: Toluene-d8	*48.5*		*ug/L*	*50.0*		*97.0*	*70-140*			
Duplicate (B2F1704-DUP1)			**Source: 2F16002-01**	Prepared & Analyzed: 06/17/22						

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: A5334566
Date Received: 06/16/22
Date Reported: 06/28/22

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 B2F1704 - *** DEFAULT PREP ****										
Duplicate (B2F1704-DUP1) Continued			**Source: 2F16002-01**	Prepared & Analyzed: 06/17/22						
Benzene	**1.21**	0.25	ug/L		1.30			7.17	30	
Ethylbenzene	**0.745**	0.25	ug/L		0.715			4.11	30	
Methyl-tert-Butyl Ether (MTBE)	**<1.0**	1.0	ug/L		<1.0				30	
Toluene	**1.00**	0.25	ug/L		1.10			9.07	30	
o-Xylene	**0.995**	0.25	ug/L		0.895			10.6	30	
m,p-Xylenes	**2.67**	0.50	ug/L		2.46			8.19	30	
Surrogate: 4-Bromofluorobenzene	*45.3*		*ug/L*	*50.0*		*90.7*	*70-140*			
Surrogate: Dibromofluoromethane	*44.5*		*ug/L*	*50.0*		*89.0*	*70-140*			
Surrogate: Toluene-d8	*42.2*		*ug/L*	*50.0*		*84.3*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B2F1701 - *** DEFAULT PREP ****										
Blank (B2F1701-BLK1)				Prepared & Analyzed: 06/17/22						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*48.8*		*ug/L*	*50.0*		*97.6*	*70-130*			
LCS (B2F1701-BS1)				Prepared & Analyzed: 06/17/22						
Gasoline Range Organics (GRO)	**496**	20	ug/L	500		99.1	75-125			
Surrogate: a,a,a-Trifluorotoluene	*54.5*		*ug/L*	*50.0*		*109*	*70-130*			
LCS Dup (B2F1701-BSD1)				Prepared & Analyzed: 06/17/22						
Gasoline Range Organics (GRO)	**515**	20	ug/L	500		103	75-125	3.78	30	
Surrogate: a,a,a-Trifluorotoluene	*56.5*		*ug/L*	*50.0*		*113*	*70-130*			
Duplicate (B2F1701-DUP1)			**Source: 2F16002-02**	Prepared & Analyzed: 06/17/22						
Gasoline Range Organics (GRO)	**<20**	20	ug/L		<20				30	
Surrogate: a,a,a-Trifluorotoluene	*47.4*		*ug/L*	*50.0*		*94.8*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B2F1701 - *** DEFAULT PREP ****										
Blank (B2F1701-BLK1)				Prepared & Analyzed: 06/17/22						
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B2F1701-DUP1)			**Source: 2F16002-02**	Prepared & Analyzed: 06/17/22						

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: A5334566
Date Received: 06/16/22
Date Reported: 06/28/22

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor as Hexane - Quality Control										
*Batch B2F1701 - *** DEFAULT PREP ****										
Duplicate (B2F1701-DUP1) Continued		**Source: 2F16002-02**		Prepared & Analyzed: 06/17/22						
Total VOCs as Hexane	**<4.9**	4.9	ppmv		<4.9				30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334566
Project No:	04-NDLA-013	**Date Received:**	06/16/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	06/28/22

Special Notes

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

24907

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

Client: The Source Group, Inc.	**Project Name / No.:** DFSP - Norwalk / 091-NDLA	**Sampler's Name:** Bill Gendron	
Project Manager: Neil Irish	**Site Address:** 15306 Norwalk Blvd	**Sampler's Signature:** Bill Gendron	
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 ID	Date	Time	Sample Matrix	No. of Cont	Total VOCs Gas 8015	Total VOCs Hexane 8015	BTEX/MTBE 8260B							Special Instructions
						Please enter the TAT Turnaround Codes ** below									
VES Thermox-Influent	2F16002-01	6/16/22	0937	Air	1	✓	✓	✓							*VOC's reported as GRO (detection limit = 4.9 ppmv) and *VOCs as Hexane (detection limit = 4.9 ppmv) *Benzene (detection limit = 1 ppmv) *Ethyl benzene DL = 1 ppmv) *MTBE (detection limit = 2 ppmv)
VES Thermox-Effluent	-02	6/16/22	0940	Air	1	✓	✓	✓							

PRIORITY
Rush
Date 6/17/22 Time 0630

A533456/2F16002

	Relinquished by	Date	Time	Received by
	Bill Gendron	6/16/22	1105	
		Date	Time	Received by
	Relinquished by	6/16/22	1626	
	Relinquished by	Date	Time	Received by

JUN 16 16:26

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

May 25, 2022

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5334534 / 2E10019

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 05/10/22 17:08 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: A5334534
Date Received: 05/10/22
Date Reported: 05/25/22

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
Trunkline#1(East)	2E10019-01	Vapor	5	05/10/22 11:35	05/10/22 17:08
Trunkline#2(South)	2E10019-02	Vapor	5	05/10/22 11:30	05/10/22 17:08
Trunkline#3(Central S)	2E10019-03	Vapor	5	05/10/22 11:20	05/10/22 17:08
Trunkline#4(Central E)	2E10019-04	Vapor	5	05/10/22 11:25	05/10/22 17:08
Trunkline#5(Central W)	2E10019-05	Vapor	5	05/10/22 11:15	05/10/22 17:08
VOCs Gasoline Range Organics Vapor					
Trunkline#1(East)	2E10019-01	Vapor	5	05/10/22 11:35	05/10/22 17:08
Trunkline#2(South)	2E10019-02	Vapor	5	05/10/22 11:30	05/10/22 17:08
Trunkline#3(Central S)	2E10019-03	Vapor	5	05/10/22 11:20	05/10/22 17:08
Trunkline#4(Central E)	2E10019-04	Vapor	5	05/10/22 11:25	05/10/22 17:08
Trunkline#5(Central W)	2E10019-05	Vapor	5	05/10/22 11:15	05/10/22 17:08
VOCs in Vapor as Hexane					
Trunkline#1(East)	2E10019-01	Vapor	5	05/10/22 11:35	05/10/22 17:08
Trunkline#2(South)	2E10019-02	Vapor	5	05/10/22 11:30	05/10/22 17:08
Trunkline#3(Central S)	2E10019-03	Vapor	5	05/10/22 11:20	05/10/22 17:08
Trunkline#4(Central E)	2E10019-04	Vapor	5	05/10/22 11:25	05/10/22 17:08
Trunkline#5(Central W)	2E10019-05	Vapor	5	05/10/22 11:15	05/10/22 17:08

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334534
Project No:	04-NDLA-013	**Date Received:**	05/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/25/22
Matrix:	Vapor	**Sampled:**	05/10/22
Dilution:	0.5	**Prepared:**	05/11/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	05/11/22

Trunkline#1(East)

2E10019-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**1.6**	ug/L	0.50	**0.50**	ppmv	0.16
Ethylbenzene	**1.3**	ug/L	0.50	**0.30**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<1.0	ug/L	2.0	<0.28	ppmv	0.55
Toluene	**0.96**	ug/L	0.50	**0.25**	ppmv	0.13
o-Xylene	**0.79**	ug/L	0.50	**0.18**	ppmv	0.12
m,p-Xylenes	**3.2**	ug/L	1.0	**0.74**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	80.0 %	70-140
Dibromofluoromethane	108 %	70-140
Toluene-d8	90.5 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334534
Project No:	04-NDLA-013	**Date Received:**	05/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/25/22
Matrix:	Vapor	**Sampled:**	05/10/22
Dilution:	0.5	**Prepared:**	05/11/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	05/11/22

Trunkline#2(South)

2E10019-02 (Vapor)

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

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	84.1 %	70-140
Dibromofluoromethane	91.3 %	70-140
Toluene-d8	95.6 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334534
Project No:	04-NDLA-013	**Date Received:**	05/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/25/22
Matrix:	Vapor	**Sampled:**	05/10/22
Dilution:	0.5	**Prepared:**	05/12/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	05/12/22

Trunkline#3(Central S)

2E10019-03 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**3.3**	ug/L	0.50	**1.0**	ppmv	0.16
Ethylbenzene	**2.6**	ug/L	0.50	**0.60**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<1.0	ug/L	2.0	<0.28	ppmv	0.55
Toluene	**0.30**	ug/L	0.50	**0.080**	ppmv	0.13
o-Xylene	**1.1**	ug/L	0.50	**0.25**	ppmv	0.12
m,p-Xylenes	**6.8**	ug/L	1.0	**1.6**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	80.9 %	70-140
Dibromofluoromethane	97.6 %	70-140
Toluene-d8	93.1 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334534
Project No:	04-NDLA-013	**Date Received:**	05/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/25/22
Matrix:	Vapor	**Sampled:**	05/10/22
Dilution:	0.5	**Prepared:**	05/11/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	05/11/22

Trunkline#4(Central E)

2E10019-04 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**5.0**	ug/L	0.50	**1.6**	ppmv	0.16
Ethylbenzene	**2.9**	ug/L	0.50	**0.67**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<1.0	ug/L	2.0	<0.28	ppmv	0.55
Toluene	**7.0**	ug/L	0.50	**1.9**	ppmv	0.13
o-Xylene	**6.5**	ug/L	0.50	**1.5**	ppmv	0.12
m,p-Xylenes	**14**	ug/L	1.0	**3.2**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	79.9 %	70-140
Dibromofluoromethane	101 %	70-140
Toluene-d8	91.0 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334534
Project No:	04-NDLA-013	**Date Received:**	05/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/25/22
Matrix:	Vapor	**Sampled:**	05/10/22
Dilution:	0.5	**Prepared:**	05/11/22
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	05/11/22

Trunkline#5(Central W)

2E10019-05 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.25	ug/L	0.50	<0.078	ppmv	0.16
Ethylbenzene	**0.31**	ug/L	0.50	**0.071**	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	80.8 %	70-140
Dibromofluoromethane	96.5 %	70-140
Toluene-d8	92.8 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334534
Project No:	04-NDLA-013	**Date Received:**	05/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/25/22
Matrix:	Vapor	**Sampled:**	05/10/22
Dilution:	1	**Prepared:**	05/12/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	05/12/22

Trunkline#1(East)

2E10019-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**1900**	ug/L	20	**460**	ppmv	4.9

Surrogates	**%REC**	**%REC Limits**
a,a,a-Trifluorotoluene	111 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334534
Project No:	04-NDLA-013	**Date Received:**	05/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/25/22
Matrix:	Vapor	**Sampled:**	05/10/22
Dilution:	1	**Prepared:**	05/12/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	05/12/22

Trunkline#2(South)

2E10019-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**690**	ug/L	20	**170**	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	114 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334534
Project No:	04-NDLA-013	**Date Received:**	05/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/25/22
Matrix:	Vapor	**Sampled:**	05/10/22
Dilution:	1	**Prepared:**	05/12/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	05/12/22

Trunkline#3(Central S)

2E10019-03 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**4000**	ug/L	20	**980**	ppmv	4.9

Surrogates	**%REC**	**%REC Limits**
a,a,a-Trifluorotoluene	91.6 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334534
Project No:	04-NDLA-013	**Date Received:**	05/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/25/22
Matrix:	Vapor	**Sampled:**	05/10/22
Dilution:	2	**Prepared:**	05/12/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	05/12/22

Trunkline#4(Central E)

2E10019-04 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**5500**	ug/L	20	**1300**	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	113 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334534
Project No:	04-NDLA-013	**Date Received:**	05/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/25/22
Matrix:	Vapor	**Sampled:**	05/10/22
Dilution:	1	**Prepared:**	05/12/22
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	05/12/22

Trunkline#5(Central W)

2E10019-05 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**980**	ug/L	20	**240**	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	114 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334534
Project No:	04-NDLA-013	**Date Received:**	05/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/25/22
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	05/10/22	05/10/22	05/10/22	05/10/22	
Date Prepared:	05/12/22	05/12/22	05/12/22	05/12/22	
Date Analyzed:	05/12/22	05/12/22	05/12/22	05/12/22	
AA ID No:	2E10019-01	2E10019-02	2E10019-03	2E10019-04	
Client ID No:	Trunkline#1(East)	Trunkline#2(South)	Trunkline#3(Central S)	Trunkline#4(Central E)	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	1	1	1	2	MRL
VOCs in Vapor as Hexane (EPA 8015M)					
Total VOCs as Hexane	**340**	**120**	**720**	**990**	4.9

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334534
Project No:	04-NDLA-013	**Date Received:**	05/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/25/22
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	05/10/22	
Date Prepared:	05/12/22	
Date Analyzed:	05/12/22	
AA ID No:	2E10019-05	
Client ID No:	Trunkline#5(Central W)	
Matrix:	Vapor	
Dilution Factor:	1	MRL

VOCs in Vapor as Hexane (EPA 8015M)

Total VOCs as Hexane	**180**	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: A5334534
Date Received: 05/10/22
Date Reported: 05/25/22

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 B2E1112 - *** DEFAULT PREP ****										
Blank (B2E1112-BLK1)				Prepared & Analyzed: 05/11/22						
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	*43.8*		*ug/L*	*50.0*		*87.7*	*70-140*			
Surrogate: Dibromofluoromethane	*45.5*		*ug/L*	*50.0*		*90.9*	*70-140*			
Surrogate: Toluene-d8	*46.8*		*ug/L*	*50.0*		*93.6*	*70-140*			
LCS (B2E1112-BS1)				Prepared & Analyzed: 05/11/22						
Benzene	**19.0**	0.50	ug/L	20.0		94.8	75-125			
Ethylbenzene	**22.5**	0.50	ug/L	20.0		112	75-125			
Methyl-tert-Butyl Ether (MTBE)	**24.0**	2.0	ug/L	40.0		60.1	75-125			QL-07
Toluene	**21.7**	0.50	ug/L	20.0		108	75-125			
o-Xylene	**23.0**	0.50	ug/L	20.0		115	75-125			
m,p-Xylenes	**46.1**	1.0	ug/L	40.0		115	75-125			
Surrogate: 4-Bromofluorobenzene	*42.6*		*ug/L*	*50.0*		*85.3*	*70-140*			
Surrogate: Dibromofluoromethane	*39.6*		*ug/L*	*50.0*		*79.2*	*70-140*			
Surrogate: Toluene-d8	*47.7*		*ug/L*	*50.0*		*95.4*	*70-140*			
LCS Dup (B2E1112-BSD1)				Prepared & Analyzed: 05/11/22						
Benzene	**21.5**	0.50	ug/L	20.0		107	75-125	12.5	30	
Ethylbenzene	**22.1**	0.50	ug/L	20.0		110	75-125	1.89	30	
Methyl-tert-Butyl Ether (MTBE)	**29.3**	2.0	ug/L	40.0		73.2	75-125	19.7	30	QL-07
Toluene	**22.9**	0.50	ug/L	20.0		114	75-125	5.43	30	
o-Xylene	**24.4**	0.50	ug/L	20.0		122	75-125	6.33	30	
m,p-Xylenes	**48.6**	1.0	ug/L	40.0		122	75-125	5.30	30	
Surrogate: 4-Bromofluorobenzene	*44.1*		*ug/L*	*50.0*		*88.2*	*70-140*			
Surrogate: Dibromofluoromethane	*42.2*		*ug/L*	*50.0*		*84.4*	*70-140*			
Surrogate: Toluene-d8	*48.5*		*ug/L*	*50.0*		*97.0*	*70-140*			
Duplicate (B2E1112-DUP1)				**Source: 2E10015-01** Prepared & Analyzed: 05/11/22						

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: A5334534
Date Received: 05/10/22
Date Reported: 05/25/22

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 B2E1112 - *** DEFAULT PREP ****										
Duplicate (B2E1112-DUP1) Continued	**Source: 2E10015-01**			Prepared & Analyzed: 05/11/22						
Benzene	**1.41**	0.25	ug/L		1.74			21.2	30	
Ethylbenzene	**0.975**	0.25	ug/L		1.08			10.2	30	
Methyl-tert-Butyl Ether (MTBE)	**<1.0**	1.0	ug/L						30	
Toluene	**1.06**	0.25	ug/L		1.18			10.7	30	
o-Xylene	**1.10**	0.25	ug/L		1.18			7.44	30	
m,p-Xylenes	**3.27**	0.50	ug/L		3.50			6.65	30	
Surrogate: 4-Bromofluorobenzene	*39.8*		*ug/L*	*50.0*		*79.6*	*70-140*			
Surrogate: Dibromofluoromethane	*47.7*		*ug/L*	*50.0*		*95.3*	*70-140*			
Surrogate: Toluene-d8	*45.2*		*ug/L*	*50.0*		*90.5*	*70-140*			
*Batch B2E1202 - *** DEFAULT PREP ****										
Blank (B2E1202-BLK1)				Prepared & Analyzed: 05/12/22						
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	*44.8*		*ug/L*	*50.0*		*89.6*	*70-140*			
Surrogate: Dibromofluoromethane	*46.3*		*ug/L*	*50.0*		*92.6*	*70-140*			
Surrogate: Toluene-d8	*47.2*		*ug/L*	*50.0*		*94.4*	*70-140*			
LCS (B2E1202-BS1)				Prepared & Analyzed: 05/12/22						
Benzene	**19.5**	0.50	ug/L	20.0		97.4	75-125			
Ethylbenzene	**21.6**	0.50	ug/L	20.0		108	75-125			
Methyl-tert-Butyl Ether (MTBE)	**27.6**	2.0	ug/L	40.0		69.1	75-125			QL-07
Toluene	**21.1**	0.50	ug/L	20.0		105	75-125			
o-Xylene	**21.6**	0.50	ug/L	20.0		108	75-125			
m,p-Xylenes	**44.3**	1.0	ug/L	40.0		111	75-125			
Surrogate: 4-Bromofluorobenzene	*41.6*		*ug/L*	*50.0*		*83.3*	*70-140*			
Surrogate: Dibromofluoromethane	*41.2*		*ug/L*	*50.0*		*82.3*	*70-140*			
Surrogate: Toluene-d8	*46.4*		*ug/L*	*50.0*		*92.9*	*70-140*			

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: A5334534
Date Received: 05/10/22
Date Reported: 05/25/22

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 B2E1202 - *** DEFAULT PREP ****										
LCS Dup (B2E1202-BSD1)				Prepared & Analyzed: 05/12/22						
Benzene	**17.7**	0.50	ug/L	20.0		88.6	75-125	9.46	30	
Ethylbenzene	**20.2**	0.50	ug/L	20.0		101	75-125	6.65	30	
Methyl-tert-Butyl Ether (MTBE)	**24.0**	2.0	ug/L	40.0		59.9	75-125	14.3	30	QL-07
Toluene	**19.6**	0.50	ug/L	20.0		98.0	75-125	7.33	30	
o-Xylene	**20.1**	0.50	ug/L	20.0		100	75-125	7.57	30	
m,p-Xylenes	**41.4**	1.0	ug/L	40.0		104	75-125	6.72	30	
Surrogate: 4-Bromofluorobenzene	*42.0*		*ug/L*	*50.0*		*84.1*	*70-140*			
Surrogate: Dibromofluoromethane	*39.4*		*ug/L*	*50.0*		*78.8*	*70-140*			
Surrogate: Toluene-d8	*47.0*		*ug/L*	*50.0*		*93.9*	*70-140*			
Duplicate (B2E1202-DUP1)			**Source: 2E10019-03**	Prepared & Analyzed: 05/12/22						
Benzene	**3.12**	0.25	ug/L		3.27			4.86	30	
Ethylbenzene	**2.92**	0.25	ug/L		2.60			11.8	30	
Methyl-tert-Butyl Ether (MTBE)	**<1.0**	1.0	ug/L		<1.0				30	
Toluene	**0.340**	0.25	ug/L		0.300			12.5	30	
o-Xylene	**1.30**	0.25	ug/L		1.12			15.3	30	
m,p-Xylenes	**7.82**	0.50	ug/L		6.82			13.5	30	
Surrogate: 4-Bromofluorobenzene	*39.4*		*ug/L*	*50.0*		*78.8*	*70-140*			
Surrogate: Dibromofluoromethane	*45.8*		*ug/L*	*50.0*		*91.5*	*70-140*			
Surrogate: Toluene-d8	*47.0*		*ug/L*	*50.0*		*93.9*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B2E1203 - *** DEFAULT PREP ****										
Blank (B2E1203-BLK1)				Prepared & Analyzed: 05/12/22						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*53.3*		*ug/L*	*50.0*		*107*	*70-130*			
LCS (B2E1203-BS1)				Prepared & Analyzed: 05/12/22						
Gasoline Range Organics (GRO)	**483**	20	ug/L	500		96.7	75-125			
Surrogate: a,a,a-Trifluorotoluene	*62.4*		*ug/L*	*50.0*		*125*	*70-130*			
LCS Dup (B2E1203-BSD1)				Prepared & Analyzed: 05/12/22						
Gasoline Range Organics (GRO)	**508**	20	ug/L	500		102	75-125	5.06	30	

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: A5334534
Date Received: 05/10/22
Date Reported: 05/25/22

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B2E1203 - *** DEFAULT PREP ****										
LCS Dup (B2E1203-BSD1) Continued				Prepared & Analyzed: 05/12/22						
Surrogate: a,a,a-Trifluorotoluene	*57.4*		*ug/L*	*50.0*		*115*	*70-130*			
Duplicate (B2E1203-DUP1)		**Source: 2E10019-04**		Prepared & Analyzed: 05/12/22						
Gasoline Range Organics (GRO)	**4090**	100	ug/L		5500			29.5	30	
Surrogate: a,a,a-Trifluorotoluene	*62.4*		*ug/L*	*50.0*		*125*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B2E1203 - *** DEFAULT PREP ****										
Blank (B2E1203-BLK1)				Prepared & Analyzed: 05/12/22						
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B2E1203-DUP1)		**Source: 2E10019-04**		Prepared & Analyzed: 05/12/22						
Total VOCs as Hexane	**748**	24	ppmv		995			28.3	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334534
Project No:	04-NDLA-013	**Date Received:**	05/10/22
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	05/25/22

Special Notes

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

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

24702

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 Phase 2-10	**Sampler's Name:** Bill Gerdun	
Project Manager: Neil Irish	**Site Address:** 15306 Norwalk Blvd	**Sampler's Signature:**	
Phone: 562-597-1055	**City:** Norwalk	**P.O. No.:**	
Fax: 569-597-1070	**State & Zip:** CA 90650	**Quote No.:**	

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

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)	2E10019-01	5/10/22	1135	Air	1	✓	✓	✓	VOC's reported as GRO (detection limit =4.9 ppmv) and VOCs as Hexane (detection limit = 4.9 ppmv) Benzene (detection limit = 0.15 ppmv)
Trunkline#2 (South)	-02		1130	Air	1	✓	✓	✓	
Trunkline#3 (Central S)	-03		1120	Air	1	✓	✓	✓	
Trunkline#4 (Central E)	-04		1125	Air	1	✓	✓	✓	
Trunkline#5 (Central W)	-05		1115	Air	1	✓	✓	✓	

PRIORITY
Date 5/11/22 Time 0600 Sign

'22 MAY 10 17:48

A533215321/2E10019-19 BAC

Relinquished by	Date	Time	Received by
Bill Gerdun	5/10/22	1400	
	5/10/22	1708	
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.

APPENDIX B

LNAPL HAZARDOUS WASTE MANIFEST

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
CA8971524360	1	(424) 347-3088	016573368 FLE

GENERATOR

5. Generator's Name and Mailing Address
Defense Logistics Agency - Energy
1962 Freeman Avenue
Signal Hill, CA 90755
Generator's Phone: (562) 597-1055

Generator's Site Address (if different than mailing address)
DFSP Norwalk
15306 Norwalk Blvd.
Norwalk , CA 90650

6. Transporter 1 Company Name
NIETO & SONS TRUCKING, INC.
U.S. EPA ID Number
CAT080016116

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
World Oil Recycling
2000 N. Alameda St.
Compton, CA 90222
Facility's Phone: (310) 537-7100
U.S. EPA ID Number
CAT080013352

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN1993, Flammable Liquid, n.o.s., 3, PGII (contains jet fuel)	001	TT	76	G	133
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
ERG#:128 / Jet Fuel & Groundwater
Apex/ SGI Contact: (714) 608-1089
WEAR ALL APPROPRIATE PROTECTIVE CLOTHING
BESI: ~~335103~~ 341920

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
Neil F. Irish On Behalf of and as an Agent of DLA Energy		04	27	22

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Richard Duran		04	27	22
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name	Signature	Month	Day	Year

489161 C1 6.0 29.0

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	CA8971524360	1	(424) 347-3088	016573368 FLE

GENERATOR

5. Generator's Name and Mailing Address
Defense Logistics Agency - Energy
1962 Freeman Avenue
Signal Hill, CA 90755
Generator's Phone: (562) 597-1055

Generator's Site Address (if different than mailing address)
DFSP Norwalk
15306 Norwalk Blvd.
Norwalk, CA 90650

6. Transporter 1 Company Name
NIETO & SONS TRUCKING, INC.
U.S. EPA ID Number
CAT080016116

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
World Oil Recycling
2000 N. Alameda St.
Compton, CA 90222
Facility's Phone: (310) 537-7100
U.S. EPA ID Number
CAT080013352

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN1993, Flammable Liquid, n.o.s., 3, PGII (contains jet fuel)	001	TT	76	G	133
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
ERG#:128 / Jet Fuel & Groundwater
Apex/ SGI Contact: (714) 608-1089
WEAR ALL APPROPRIATE PROTECTIVE CLOTHING
BESL: ~~335103~~ 341920
PROFIAC ~~486120~~ 489161

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Neil F. Irish On Behalf of and as an Agent of DLA Energy
Signature:
Month: 04 Day: 27 Year: 22

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Richard Duran
Signature:
Month: 04 Day: 27 Year: 22

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H039			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Daniel Parker
Signature:
Month: 04 Day: 27 Year: 22

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. TRANSPORTER COPY

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
CA8971524360	1	(424) 347-3088	016573368 FLE

5. Generator's Name and Mailing Address
Defense Logistics Agency - Energy
1962 Freeman Avenue
Signal Hill, CA 90755
Generator's Phone: (562) 597-1055

Generator's Site Address (if different than mailing address)
DFSP Norwalk
15306 Norwalk Blvd.
Norwalk , CA 90650

6. Transporter 1 Company Name
NIETO & SONS TRUCKING, INC.
U.S. EPA ID Number: CAT080016116

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
World Oil Recycling
2000 N. Alameda St.
Compton, CA 90222
Facility's Phone: (310) 537-7100
U.S. EPA ID Number: CAT080013352

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN1993, Flammable Liquid, n.o.s., 3, PGII (contains jet fuel)	001	TT	76	G	133
	2.					
	3.					
	4.					

THIS WASTE STREAM HAS BEEN QUALIFIED FOR RECYCLING/TREATMENT AT THE DEMENNO KERDOON DBA WORLD OIL RECYCLING FACILITY IN COMPTON, CALIFORNIA. THIS FACILITY HAS THE NECESSARY PERMITS TO RECEIVE YOUR WASTE STREAM AS QUALIFIED. OUR EPA NUMBER IS CAT080013352

14. Special Handling Instructions and Additional Information
ERG#:128 / Jet Fuel & Groundwater
Apex/ SGI Contact: (714) 608-1089
WEAR ALL APPROPRIATE PROTECTIVE CLOTHING
BESI: ~~335103~~ 341920
PROFILE 486125-1

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Neil F. Irish On Behalf of and as an Agent of DLA Energy
Signature:
Month: 04 Day: 27 Year: 22

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Richard Duran
Signature:
Month: 04 Day: 27 Year: 22

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

18. Discrepancy

18a. Discrepancy Indication Space ☒ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Reconciled quantity 03 with Steve of Manifest Reference Number: Nieto on 5/3/22

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H039			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: SOPHIA P. SIVA
Signature:
Month: 04 Day: 27 Year: 22

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

Certificate of Treatment/Recycling

ISSUED TO

DEFENSE FUEL SUPPORT POINT

FOR

MANIFEST NUMBER 016573368FLE DATE RECEIVED 4/27/2022

The aqueous waste received on the above manifest will be treated to standards mandated by the FEDERAL CLEAN WATER ACT and to effluent requirements established by the Sanitation Districts of Los Angeles County. Waste treatment and recycling is performed under permits granted to DeMENNO/KERDOON, a California Corporation, by the California Department of Toxic Control (DTSC), in coordination with the Environmental Protection Agency, in accordance with the provisions of the Resource Conservation and Recovery Act (RCRA) of 1976, together with applicable federal and state regulations including but not limited to waste discharge requirements established by the Sanitation Districts of Los Angeles County.

When the above described waste material is accepted by DeMENNO/KERDOON and treated/recycled and the aqueous phase discharged for further treatment by the Sanitation Districts, the certificate holder's responsibility for the waste material is eliminated under both RCRA and Proposition 65. Upon request, DeMENNO/KERDOON will issue this certificate that all waste material has been handled in accordance with applicable permits and the certificate holder's liability has been terminated.

DeMENNO/KERDOON

"Compliance Through Recycling"

By: _____ *Date:* 5/17/2022

Cyrus Pourhassanian
Laboratory Manager

2000 North Alameda Street ❑ Compton ❑ California ❑ 90222
Telephone (310) 537-7100 ❑ Facsimile (310) 639-2946

*DeMENNO/KERDOON is d.b.a. World Oil Recycling

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
CA8971524360	1	(714) 984-3162	017528120 FLE

GENERATOR

5. Generator's Name and Mailing Address
Defense Logistics Agency - Energy
1962 Freeman Avenue
Signal Hill, CA 90755
Generator's Phone: (562) 597-1055

Generator's Site Address (if different than mailing address)
Defense Fuel Support Point Norwalk
15306 Norwalk Blvd.
Norwalk , CA 90650

6. Transporter 1 Company Name: BELSHIRE — U.S. EPA ID Number: CAR000183913

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
U.S. Ecology, Nevada Operations
Highway 95, 11 miles S. of Beatty
Beatty, NV 89003
Facility's Phone: (775) 553-2203
U.S. EPA ID Number: NVT330010000

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN3175, Waste Solids Containing Flammable Liquid, n.o.s., (Contains Jet Fuel), 4.1, PGII	1	DM	300	P	D001	D018	352
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
ERG#: 133
Fuel-absorbent sock containing jet fuel
WEAR ALL APPROPRIATE PROTECTIVE CLOTHING
PROFILE # 070317289-0
BESI:341787
Apex Contact: Glenn Androsko
714-608-1089

FOLD LABE LINE. AFF SIDE OF MATERIAL TAB STICKS LT196U © 199

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: NEIL F. IRISH ON BEHALF OF AND AS AN AGENT OF DLA ENERGY — Signature — Month: 06 Day: 17 Year: 22

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Abelino Garcia — Signature — Month: 06 Day: 17 Year: 22

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name — Signature — Month Day Year

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
CA8971524360	1	(714) 984-3162	017528120 FLE

GENERATOR

5. Generator's Name and Mailing Address
Defense Logistics Agency - Energy
1962 Freeman Avenue
Signal Hill, CA 90755
Generator's Phone: (562) 597-1055

Generator's Site Address (if different than mailing address)
Defense Fuel Support Point Norwalk
15306 Norwalk Blvd.
Norwalk, CA 90650

6. Transporter 1 Company Name: BELSHIRE — U.S. EPA ID Number: CAR000183913

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
U.S. Ecology, Nevada Operations
Highway 95, 11 miles S. of Beatty
Beatty, NV 89003
Facility's Phone: (775) 553-2203
U.S. EPA ID Number: NVT330010000

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN3175, Waste Solids Containing Flammable Liquid, n.o.s., (Contains Jet Fuel), 4.1, PGII	1	DM	300	P	D001	D018	352
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
ERG#: 133
Fuel-absorbent sock containing jet fuel
WEAR ALL APPROPRIATE PROTECTIVE CLOTHING
PROFILE # 070317289-0
BESI: 341787
Apex Contact: Glenn Androsko
714-608-1089 1x55

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: NEIL F. IRISH ON BEHALF OF AND AS AN AGENT OF DLA ENERGY — Signature — Month: 06 Day: 17 Year: 22

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Abelino Garcia — Signature — Month: 06 Day: 17 Year: 22

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Ana Lopez — Signature — Month: 6 Day: 22 Year: 22

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR