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Report Type:	**Remedial Progress Report**
Report Date:	**2/10/2021**
Facility Global ID:	**SLT43185183**
Facility Name:	**Norwalk, Fuel Terminal DFSP - DOD - NORWALK DFSP**
File Name:	**Remediation Status Report Quarter 4, 2020.pdf**
Organization Name:	**The Source Group, Inc.(Subsidiary of Apex Companies, LLC)**
Username:	**SIGNAL HILL**
IP Address:	**75.83.154.208**
Submittal Date/Time:	**2/10/2021 6:54:54 PM**
Confirmation Number:	**7742981195**

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February 10, 2021

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

Dear Mr. Cho:

Enclosed is one electronic copy of the *Remediation Status Report – Fourth Quarter 2020, Defense Fuel Support Point Norwalk* (SCP NO. 0286A, SITE ID No. 16638) located at 15306 Norwalk Boulevard, Norwalk, California

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

Sincerely,

Muhammad K. Irfan, P.G.
Chief, Restoration Branch

Enclosure
As stated

cc: Daniel Swensson, P.G, Principal Geologist, SGI-Apex

REMEDIATION STATUS REPORT - FOURTH QUARTER 2020

DEFENSE FUEL SUPPORT POINT NORWALK
15306 Norwalk Boulevard
Norwalk, California

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

Prepared For:

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

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

1.0 INTRODUCTION

On behalf of our client, Defense Logistics Agency - Energy (DLA), The Source Group, Inc. (SGI) presents this report to summarize remediation system operations during this reporting period (Fourth Quarter 2020 – October 1, 2020 through December 31, 2020) for the Defense Fuel Support Point (DFSP) Norwalk facility, located at 15306 Norwalk Boulevard, Norwalk, California (Site; Figures 1 and 2).

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

1.1 Contaminants of Concern

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

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

1.2 Remediation Technologies

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

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

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

1.2.1 Groundwater Extraction and Treatment System

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

The GWETS utilizes electric pumps in each of the GWE wells to extract groundwater into a shared surge tank. Groundwater is then pumped from the surge tank through three particulate-removal bag filter vessels in series (BF1, BF2, and BF3), two MYCELX vessels in series (MX-7 and MX-21) for the removal of residual free product and/or oils/grease, and three granular activated carbon (GAC) vessels in series (2,000-pound GAC-1, 2,000-pound GAC-2, and 1,500-pound GAC-3). The groundwater is then pumped through various media canisters and drums for additional treatment/removal prior to being discharged to the storm drain.

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

1.2.2 Biosparge System

The biosparge wells for hydrocarbon removal from dissolved-phase subsurface impacts are located in areas throughout the Site. The biosparge system was off-line pending completion of soil cleanup activities per SGI's January 2018 *Shallow Soil Closure Report*. System recommissioning work was completed during Fourth Quarter 2018 in accordance with SGI'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.

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'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 with each other, 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's May 15, 2018 *Remediation*

Status Report - First Quarter 2018. These high concentration SVE wells were connected to the carbon VES in late June and early August 2017. Additional wells in the Southern Area of the Site (RW-34 through RW-50) were brought online to the temporary thermal oxidizer VES in June 2018. The system was shut down on January 8, 2019 to comply with the SCAQMD Various Locations Permit F97121 which limited the operational period to one calendar year.

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

Soil vapors from the thermal oxidizer VES knockout tank are heated to a minimum temperature of 1,400 degrees Fahrenheit (°F) prior to atmospheric discharge from a 25-foot tall stack. 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 north-central portion of the Site has also operated since August 2016. LNAPL removal wells are identified in Sections 3.3 and 3.4 and Tables 7A through 7W. A map showing the distribution of floating product on groundwater as recorded during the second semiannual 2020 monitoring event is presented in Figure 3.

1.2.5 Above Ground Soil Treatment

Per SGI'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's January 2018 *Shallow Soil Closure Report* and September 2018 *Addendum to the Shallow Soil Closure Report – Western Portion.* The LARWQCB granted a no further action (NFA) determination for the shallow soil in the upper 10 feet of the Site's eastern 15-acre parcel on April 19, 2018. The NFA determination was contingent upon declaration of covenant and environmental restriction, which was recorded on September 27, 2018. Regulatory closure of shallow soil in the western part of the Site is pending.

1.2.6 Soil Management

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

2.0 OPERATIONS, MAINTENANCE AND MONITORING

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

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

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

2.1 Groundwater Extraction and Treatment System

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

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

Wells GMW-31 and GW-14R, which has had no measurable LNAPL since December 2019, were connected to the GWETS on March 11, 2020 and began operation on 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'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 have remained elevated since April 2019 likely due to the volatilization induced by the expanded biosparging operations in the eastern and central areas. Maximum gasoline range organic (GRO), benzene and MTBE concentrations this period are 7,900 micrograms per liter (µg/L), 3.9 µg/L and non-detect (ND) <2.0 µg/L, respectively. Maximum historic levels for these constituents were previously 14,000 µg/L for GRO (October 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 in areas throughout the central area and eastern boundary 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 northeastern, central and former truck fueling

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

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

2.4 LNAPL Removal Via Bailing, Skimming and Absorbent Socks

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

2.5 LNAPL Removal Via Product Recovery System

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

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

3.0 SUMMARY OF REMEDIATION PROGRESS

The following sections describe remedial progress at the Site.

3.1 Groundwater Extraction and Treatment System

The GWETS was restarted on October 10, 2019. Based on the total petroleum hydrocarbons quantified as diesel (TPHd) results for influent water samples and total groundwater extracted, an estimated 9,948 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). On July 7, 2020 wells (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 were connected to the carbon VES system in preparation for the installation of the catalytic cell for the thermal oxidizer VES.

Wells (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, TFR-19, TFR-22, TFR-25, TFR-13, TFR-14, TFR-15, TFR-7, TFR-9, TFR-12 were used as the extraction points for the thermal oxidizer VES based on field photoionization detector (PID) readings (Tables 9B through 9D) and previous quarters laboratory concentrations (Table 10). On August 26, 2020, all wells in the eastern area were reconnected back to the thermal oxidizer VES.

The total mass of VOCs removed via the carbon and the thermal oxidizer extraction systems during this period was approximately 32,368 pounds (245 pounds via the carbon VES and 32,123 pounds via the thermal oxidizer VES). An estimated 2,985,051 pounds have been removed since April 1996 (Table 3C) via the carbon VES and approximately 280,665 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. 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-18, TFR-22, TFR-24, TFR-29, and RTF-18-E (Tables 7A through 7W). Overall, LNAPL thickness and removal rates decreased in Fourth Quarter 2020.

A total of approximately 52.3 gallons (357.9 pounds) of LNAPL was removed from the Site during this quarter, and an estimated 10,297 gallons (69,551 pounds) of LNAPL has been removed since January 2014.

3.4.1 LNAPL Removal Via Bailing, Skimming and Absorbent Socks

Approximately 4.3 gallons (29.5 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 and GMW-68 (Tables 7A and 7B, respectively).

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 48 gallons (328.5 pounds) of LNAPL was pumped from wells TFR 22 and TFR-29 during this reporting period (Tables 7N and 7P, respectively).

LNAPL gauging results along with cumulative mass and volume removal estimates are summarized in Tables 7E through 7W. As the tables indicate, product thicknesses generally decreased during the current reporting period. Consequently, well TFR-29 was the only active pumping well at the end of the reporting period.

4.0 REMEDIATION SYSTEMS EVALUATION AND OPTIMIZATION

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

Reconfiguration of the respective vapor extraction systems will be conducted regularly to allow for cost-effective site-wide cleanup. Thus, as concentration levels in one or more currently high concentration wells decline to the point where carbon treatment becomes feasible, the well(s) will be progressively disconnected from the thermal oxidizer VES and tied into the carbon VES. Note that based on recent electrical load testing results, the existing service capacity will allow simultaneous full-time operation of both the carbon VES and the permanent full-scale thermal oxidizer along with the other remedial equipment.

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

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

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

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

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

Biosparging operations will 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. Additionally, the LNAPL gauging data will be used to evaluate whether scaling back biosparging operations in some areas is necessary to minimize the risk of mobilizing the LNAPL plume via groundwater mounding.

5.0 PLANNED FIRST QUARTER 2021 ACTIVITIES

During the next reporting period, DLA plans to continue to focus in-situ remedial efforts on the central area, eastern area, and southern area of the Site. Following is a summary of planned First Quarter 2021 OM&M activities:

- Continue minimum weekly maintenance and monitoring of the thermal oxidizer VES. Tasks include measuring individual well vapor concentrations with an organic vapor analyzer (OVA) and collecting/analyzing monthly influent and effluent vapor samples.
- Collect individual extraction well vapor samples for laboratory analysis as needed. Vapor samples will be collected from horizontal wells and extraction wells.
- Continue regular LNAPL gauging and removal activities (as applicable), including wells GWM-62 and GMW-68 (both located off-site in Holifield Park), GMW-7, TF-19, and product recovery system wells TFR-9, GMW-18, TFR-12, TF-15, TFR-14, TFR-15, TF-16, GW-14R, TFR-18, TFR-22, TFR-24, TFR-29, TFR-33, RTF-18-E, RTF-18-NW, RTF-18-N, RTF-18-NNW, RTF-18-W, TF-18, TFR-27, and GMW-45.
- Gauge wells TFR-17, TFR-19, TFR-32, TFR-30, TFR-5, TFR-7, TFR-21, and TFR-26 periodically as SVE is applied (via the thermal oxidizer VES) in order to evaluate any appearance and/or increase in LNAPL thicknesses and the potential for active/passive product recovery.
- Continue controlled product recovery system OM&M from well TFR-29, located in the north-central portion 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 high vapor concentration (thermal mode above approximately 3,000 parts per million [ppm]) to 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 GAC system.
- Continue to evaluate influent vapor concentrations to the thermal oxidizer VES to determine when the system is ready for the installation of the catalytic cell.
- 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.

Ongoing remediation activities and progress will be described in the *First Quarter 2021 Remediation Progress Report* to be submitted by May 15, 2021.

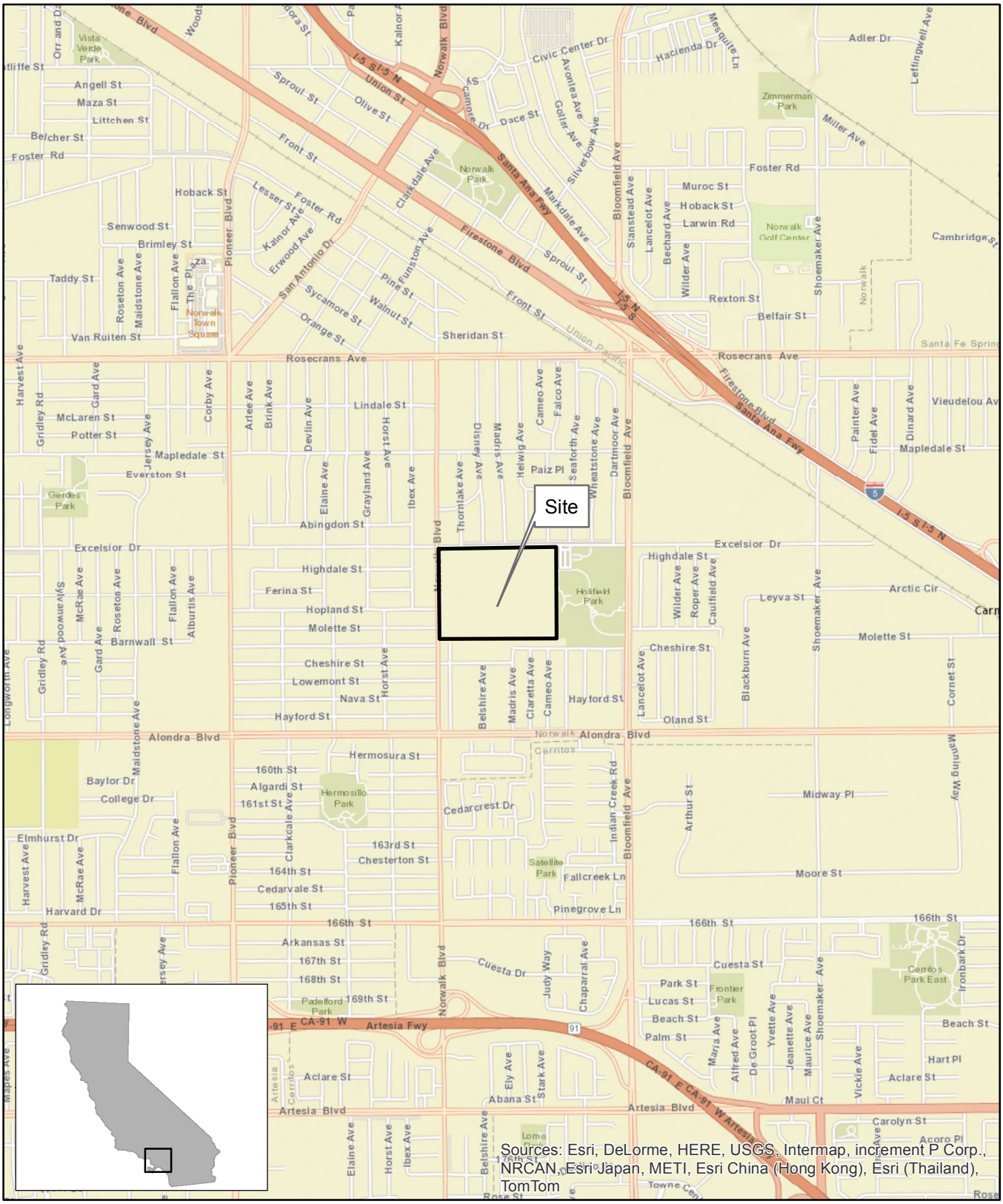
6.0 LIMITATIONS

This document was prepared for the exclusive use of the DLA and the LARWQCB for the express purpose of complying with a client or regulatory directive for environmental investigation or restoration. SGI 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 or DLA.

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

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

FIGURES



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

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

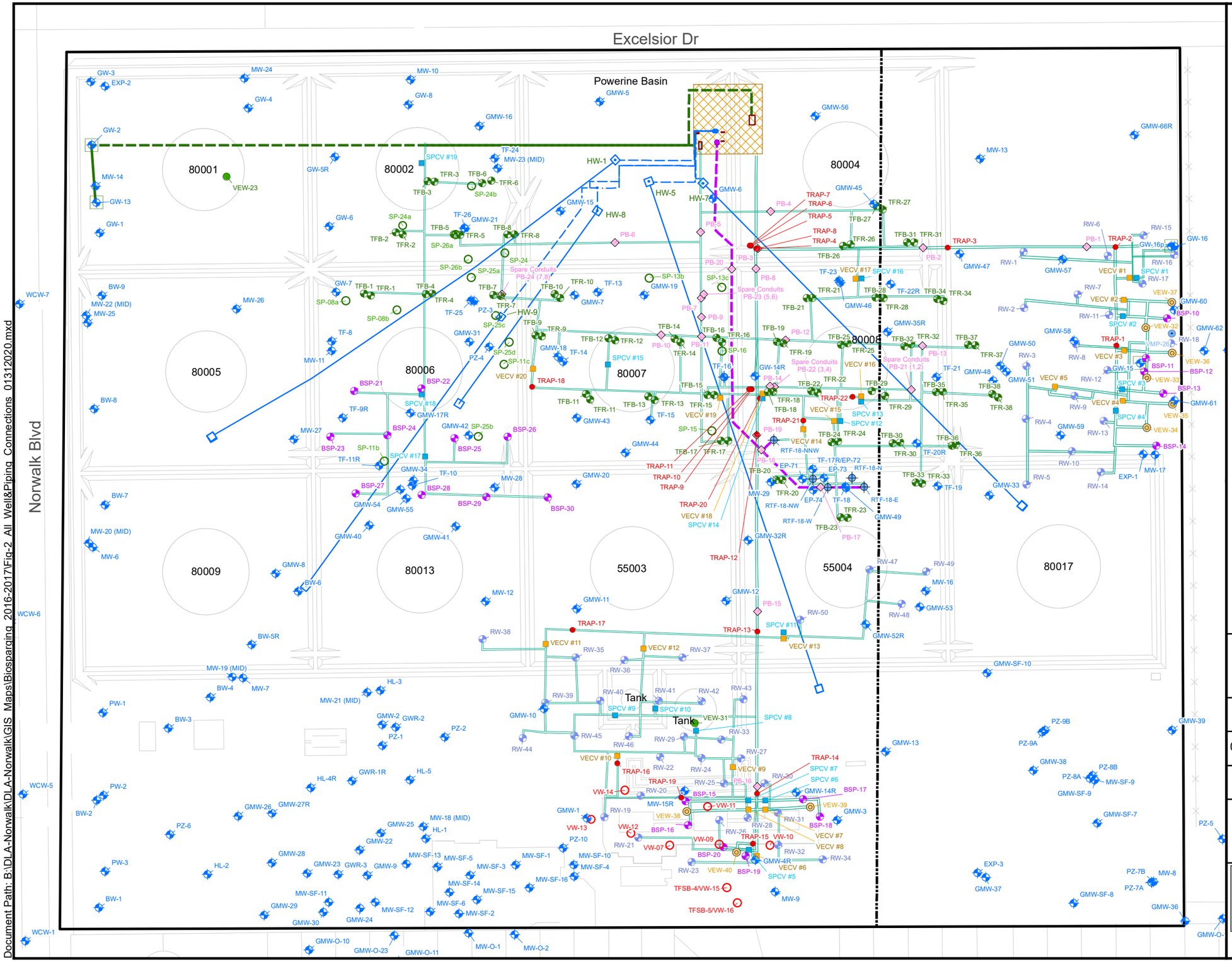
DEFENSE FUEL SUPPORT POINT NORWALK

15306 NORWALK BOULEVARD
NORWALK, CALIFORNIA

SITE LOCATION MAP

FIGURE **1**

Document Name: Fig-1_Norwalk_Site_Location_Map



Legend

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

N

DFSP Norwalk
15306 Norwalk Boulevard
Norwalk, California

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

0 70 140 280 Feet

Site Map Showing All Well and Piping Locations

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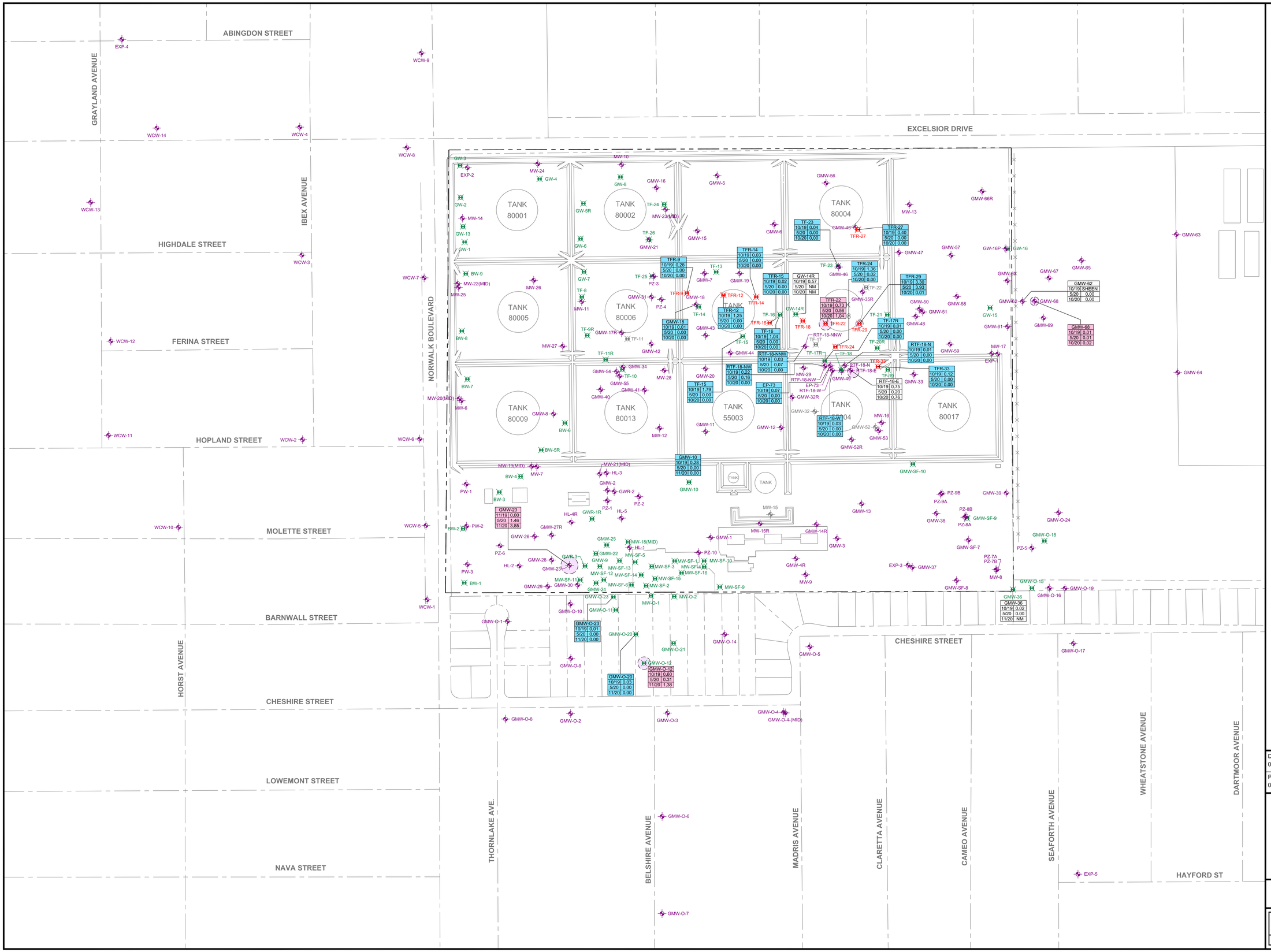
1962 Freeman Avenue Signal Hill, CA 90755
(562) 597-1055

Figure 2



EXPLANATION:

- FORMER ABOVEGROUND STORAGE TANKS
- DFSP NORWALK BORDER
- WCW-14 — GROUNDWATER MONITORING WELL
- TFR-33 — TOTAL FLUIDS RECOVERY WELL
- GMW-14 — WELLS SHOWN IN GREY WERE DECOMMISSIONED BY DLA ENERGY PRIOR TO REMEDIAL EXCAVATION
- TF-26 — EXTRACTION WELL USED FOR VAPOR, GROUNDWATER, TOTAL FLUIDS, OR FLOATING PRODUCT EXTRACTION
- RTF-18-E (10/19 | 0,75; 5/20 | 0,20; 10/20 | 0,76) — MEASURED PRODUCT THICKNESS IN FEET FOR THE THREE MOST RECENT SEMIANNUAL EVENTS; WHERE THE DATABOX IS SHOWN IN WHITE, THE MEASURED THICKNESS HAS REMAINED SIMILAR (CHANGE IS LESS THAN 10%) AT THAT LOCATION SINCE THE FALL 2019 SEMIANNUAL MONITORING EVENT, OR THE DATASET SHOWN DOES NOT PROVIDE A BASIS FOR COMPARISON
- GMW-23 (10/19 | 0,00; 5/20 | 1,46; 11/20 | 3,85) — WHERE THE DATABOX IS SHOWN IN RED, THE MEASURED PRODUCT THICKNESS HAS INCREASED BY 10% OR MORE AT THAT LOCATION SINCE THE FALL 2019 SEMIANNUAL MONITORING EVENT
- TR-24 (10/19 | 1,36; 5/20 | 0,02; 10/20 | 0,00) — WHERE THE DATABOX IS SHOWN IN BLUE, THE MEASURED PRODUCT THICKNESS HAS DECREASED BY 10% OR MORE AT THAT LOCATION SINCE THE FALL 2019 SEMIANNUAL MONITORING EVENT
- NM — NOT MEASURED
- ESTIMATED EXTENT OF MEASURABLE LIGHT NONAQUEOUS PHASE LIQUID (LNAPL, FLOATING PRODUCT) ON GROUNDWATER

SURVEY NOTES:

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

0 120 240
APPROXIMATE SCALE IN FEET

DATE:	FILE NAME:
01/2021	DFSP-Norwalk-SE2-20.dwg
PROJECT No.: 091-NOR-001	CONTRACT: SPO-600-14-D-5410

DISTRIBUTION OF FLOATING PRODUCT ON GROUNDWATER SECOND SEMIANNUAL 2020 MONITORING EVENT

DFSP NORWALK
15306 NORWALK BOULEVARD
NORWALK, CALIFORNIA

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FIGURE 3

TABLES

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

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

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

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

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

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

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

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

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

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

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

Legend/Notes:

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

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

TABLE 2A

Groundwater Extraction and Treatment System Operations Summary - October

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	GW-14R Totalizer Reading (gallons)	GMW-31 Totalizer Reading (gallons)	GW-15 Totalizer Reading (gallons)	GW-16 Totalizer Reading (gallons)	Groundwater Extracted from North-East Area (gallons)	Groundwater Extracted from North-Central Area (gallons)	Discharge Totalizer Reading (gallons)	Groundwater Extracted and Treated Per Day (gallons)	Influent DRO (ug/L)	Cumulative DRO Removed [A] (lb)
10/1/20	Off line		--	--	--	--	--	--	--	--	--	9,948
10/2/20	Off line		--	--	--	--	--	--	--	--	--	9,948
10/3/20	Off line		--	--	--	--	--	--	--	--	--	9,948
10/4/20	Off line		--	--	--	--	--	--	--	--	--	9,948
10/5/20	Off line		--	--	--	--	--	--	--	--	--	9,948
10/6/20	Off line		--	--	--	--	--	--	--	--	--	9,948
10/7/20	Off line		--	--	--	--	--	--	--	--	--	9,948
10/8/20	Off line		--	--	--	--	--	--	--	--	--	9,948
10/9/20	Off line		--	--	--	--	--	--	--	--	--	9,948
10/10/20	Off line		--	--	--	--	--	--	--	--	--	9,948
10/11/20	Off line		--	--	--	--	--	--	--	--	--	9,948
10/12/20	Off line		--	--	--	--	--	--	--	--	--	9,948
10/13/20	Off line		--	--	--	--	--	--	--	--	--	9,948
10/14/20	Off line		--	--	--	--	--	--	--	--	--	9,948
10/15/20	Off line		--	--	--	--	--	--	--	--	--	9,948
10/16/20	Off line		--	--	--	--	--	--	--	--	--	9,948
10/17/20	Off line		--	--	--	--	--	--	--	--	--	9,948
10/18/20	Off line		--	--	--	--	--	--	--	--	--	9,948
10/19/20	Off line		--	--	--	--	--	--	--	--	--	9,948
10/20/20	Off line		--	--	--	--	--	--	--	--	--	9,948
10/21/20	Off line		--	--	--	--	--	--	--	--	--	9,948
10/22/20	Off line		--	--	--	--	--	--	--	--	--	9,948
10/23/20	Off line		--	--	--	--	--	--	--	--	--	9,948
10/24/20	Off line		--	--	--	--	--	--	--	--	--	9,948
10/25/20	Off line		--	--	--	--	--	--	--	--	--	9,948
10/26/20	Off line		--	--	--	--	--	--	--	--	--	9,948
10/27/20	Off line		--	--	--	--	--	--	--	--	--	9,948
10/28/20	Off line		--	--	--	--	--	--	--	--	--	9,948
10/29/20	Off line		--	--	--	--	--	--	--	--	--	9,948
10/30/20	Off line		--	--	--	--	--	--	--	--	--	9,948
10/31/20	Off line		--	--	--	--	--	--	--	--	--	9,948

Cumulative Groundwater Discharged by the GWETS to Date (gallons)							
Period	October	Quarter 1, 2020	Quarter 2, 2020	Quarter 3, 2020	Quarter 4, 2020	2020 to Date	April 1996 to Date
Volume	0	234,047	273,235	9,440	0	516,722	80,240,007

Cumulative Mass DRO Removed by the GWETS [A] (lb)			
Period	October	Quarter 4 to Date	April 1996 to Date
Mass	0.00	0.00	9,947.7

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

Legend / Notes:

Groundwater extraction wells on line this month: None.

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

GWETS = Groundwater extraction and treatment system

µg/L - Micrograms per liter

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

-- = Not applicable

lb = Pounds

DRO = Diesel range organics

TABLE 2B

Groundwater Extraction and Treatment System Operations Summary - November

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	GW-14R Totalizer Reading (gallons)	GMW-31 Totalizer Reading (gallons)	GW-15 Totalizer Reading (gallons)	GW-16 Totalizer Reading (gallons)	Groundwater Extracted from North-East Area (gallons)	Groundwater Extracted from North-Central Area (gallons)	Discharge Totalizer Reading (gallons)	Groundwater Extracted and Treated Per Day (gallons)	Influent DRO (ug/L)	Cumulative DRO Removed [A] (lb)
11/1/20	Off line		--	--	--	--	--	--	--	--	--	9,948
11/2/20	Off line		--	--	--	--	--	--	--	--	--	9,948
11/3/20	Off line		--	--	--	--	--	--	--	--	--	9,948
11/4/20	Off line		--	--	--	--	--	--	--	--	--	9,948
11/5/20	Off line		--	--	--	--	--	--	--	--	--	9,948
11/6/20	Off line		--	--	--	--	--	--	--	--	--	9,948
11/7/20	Off line		--	--	--	--	--	--	--	--	--	9,948
11/8/20	Off line		--	--	--	--	--	--	--	--	--	9,948
11/9/20	Off line		--	--	--	--	--	--	--	--	--	9,948
11/10/20	Off line		--	--	--	--	--	--	--	--	--	9,948
11/11/20	Off line		--	--	--	--	--	--	--	--	--	9,948
11/12/20	Off line		--	--	--	--	--	--	--	--	--	9,948
11/13/20	Off line		--	--	--	--	--	--	--	--	--	9,948
11/14/20	Off line		--	--	--	--	--	--	--	--	--	9,948
11/15/20	Off line		--	--	--	--	--	--	--	--	--	9,948
11/16/20	Off line		--	--	--	--	--	--	--	--	--	9,948
11/17/20	Off line		--	--	--	--	--	--	--	--	--	9,948
11/18/20	Off line		--	--	--	--	--	--	--	--	--	9,948
11/19/20	Off line		--	--	--	--	--	--	--	--	--	9,948
11/20/20	Technician		252,964	372,737	667,535	1,327,032	1,994,567	625,701	1,827,300	--	--	9,948
11/21/20	Off line		--	--	--	--	--	--	--	--	--	9,948
11/22/20	Off line		--	--	--	--	--	--	--	--	--	9,948
11/23/20	Technician	1	253,037	372,781	667,535	1,327,034	1,994,569	625,819	1,828,277	977	--	9,948
11/24/20	Technician	2,3	256,323	375,041	667,535	1,328,209	1,995,744	631,364	1,834,750	6,473	430	9,948
11/25/20	Off line		--	--	--	--	--	--	--	--	--	9,948
11/26/20	Off line		--	--	--	--	--	--	--	--	--	9,948
11/27/20	Off line		--	--	--	--	--	--	--	--	--	9,948
11/28/20	Off line		--	--	--	--	--	--	--	--	--	9,948
11/29/20	Off line		--	--	--	--	--	--	--	--	--	9,948
11/30/20	Off line		--	--	--	--	--	--	--	--	--	9,948

Cumulative Groundwater Discharged by the GWETS (gallons)							
Period	November	Quarter 1, 2020	Quarter 2, 2020	Quarter 3, 2020	Quarter 4, 2020	2020 to Date	April 1996 to Date
Volume	7,450	234,047	273,235	9,440	7,450	524,172	80,247,457

Cumulative Mass DRO Removed by the GWETS [A] (lb)			
Period	November	Quarter 4 to Date	April 1996 to Date
Mass	0.03	0.03	9,947.8

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

Legend / Notes:

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

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

1 = GWETS restarted.

2 = GWETS manually shut down.

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

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 on January 30, 2020.

-- = Not applicable

lb = Pounds

DRO = Diesel range organics

TABLE 2C

Groundwater Extraction and Treatment System Operations Summary - December

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	GW-14R Totalizer Reading (gallons)	GMW-31 Totalizer Reading (gallons)	GW-15 Totalizer Reading (gallons)	GW-16 Totalizer Reading (gallons)	Groundwater Extracted from North-East Area (gallons)	Groundwater Extracted from North-Central Area (gallons)	Discharge Totalizer Reading (gallons)	Groundwater Extracted and Treated Per Day (gallons)	Influent DRO (ug/L)	Cumulative DRO Removed [A] (lb)
12/1/20	Off line		--	--	--	--	--	--	--	--	--	9,948
12/2/20	Off line		--	--	--	--	--	--	--	--	--	9,948
12/3/20	Off line		--	--	--	--	--	--	--	--	--	9,948
12/4/20	Off line		--	--	--	--	--	--	--	--	--	9,948
12/5/20	Off line		--	--	--	--	--	--	--	--	--	9,948
12/6/20	Off line		--	--	--	--	--	--	--	--	--	9,948
12/7/20	Off line		--	--	--	--	--	--	--	--	--	9,948
12/8/20	Off line		--	--	--	--	--	--	--	--	--	9,948
12/9/20	Off line		--	--	--	--	--	--	--	--	--	9,948
12/10/20	Off line		--	--	--	--	--	--	--	--	--	9,948
12/11/20	Off line		--	--	--	--	--	--	--	--	--	9,948
12/12/20	Off line		--	--	--	--	--	--	--	--	--	9,948
12/13/20	Off line		--	--	--	--	--	--	--	--	--	9,948
12/14/20	Off line		--	--	--	--	--	--	--	--	--	9,948
12/15/20	Off line		--	--	--	--	--	--	--	--	--	9,948
12/16/20	Off line		--	--	--	--	--	--	--	--	--	9,948
12/17/20	Off line		--	--	--	--	--	--	--	--	--	9,948
12/18/20	Off line		--	--	--	--	--	--	--	--	--	9,948
12/19/20	Off line		--	--	--	--	--	--	--	--	--	9,948
12/20/20	Off line		--	--	--	--	--	--	--	--	--	9,948
12/21/20	Off line		--	--	--	--	--	--	--	--	--	9,948
12/22/20	Off line		--	--	--	--	--	--	--	--	--	9,948
12/23/20	Off line		--	--	--	--	--	--	--	--	--	9,948
12/24/20	Off line		--	--	--	--	--	--	--	--	--	9,948
12/25/20	Off line		--	--	--	--	--	--	--	--	--	9,948
12/26/20	Off line		--	--	--	--	--	--	--	--	--	9,948
12/27/20	Off line		--	--	--	--	--	--	--	--	--	9,948
12/28/20	Off line		--	--	--	--	--	--	--	--	--	9,948
12/29/20	Off line		--	--	--	--	--	--	--	--	--	9,948
12/30/20	Off line		--	--	--	--	--	--	--	--	--	9,948
12/31/20	Off line		--	--	--	--	--	--	--	--	--	9,948

Cumulative Groundwater Discharged by the GWETS (gallons)							
Period	December	Quarter 1, 2020	Quarter 2, 2020	Quarter 3, 2020	Quarter 4, 2020	2020 to Date	April 1996 to Date
Volume	0	234,047	273,235	9,440	7,450	524,172	80,247,457

Cumulative Mass DRO Removed by the GWETS [A] (lb)			
Period	December	Quarter 4 to Date	April 1996 to Date
Mass	0.00	0.03	9,947.8

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

Legend / Notes:

Groundwater extraction wells on line this month: None.

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

GWETS = Groundwater extraction and treatment system

µg/L - Micrograms per liter

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

-- = Not applicable

lb = Pounds

DRO = Diesel range organics

TABLE 3A

Carbon Vapor Extraction System Operations Summary - October

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	VES Hour Meter Reading (hours)	VES Process Flow [A] (scfm)	VES Manifold Vacuum (in. Hg)	Carbon Inlet Temperature (°F)	Laboratory Process Concentration (ppmv)	Field Process Concentration [B,C] (ppmv)	Field Effluent Concentration [B,C] (ppmv)	Cumulative Vapor-Phase GRO Removed [D] (lb)
10/01/20	*		63,770	561	--	--	--	--	--	2,984,807
10/02/20	Technician	1	63,793	561	--	--	--	--	--	2,984,809
10/03/20	*		63,817	561	--	--	--	--	--	2,984,812
10/04/20	*		63,841	561	--	--	--	--	--	2,984,815
10/05/20	Technician	2,3	63,866	544	4.1	116.0	13	79.8	0.3	2,984,817
10/06/20	*		63,890	544	--	--	--	--	--	2,984,820
10/07/20	*		63,915	544	--	--	--	--	--	2,984,823
10/08/20	*		63,939	544	--	--	--	--	--	2,984,826
10/09/20	*		63,964	544	--	--	--	--	--	2,984,828
10/10/20	*		63,989	544	--	--	--	--	--	2,984,831
10/11/20	*		64,013	544	--	--	--	--	--	2,984,834
10/12/20	Technician		64,038	551	4.1	132.0	--	51.3	0.3	2,984,836
10/13/20	Technician		64,059	551	--	--	--	--	--	2,984,839
10/14/20	*		64,094	551	--	--	--	--	--	2,984,843
10/15/20	Technician	4	64,129	551	--	--	--	--	--	2,984,846
10/16/20	*		64,146	551	--	--	--	--	--	2,984,848
10/17/20	*		64,163	551	--	--	--	--	--	2,984,850
10/18/20	*		64,181	551	--	--	--	--	--	2,984,852
10/19/20	Technician		64,198	542	4.1	116.0	--	304.4	0.4	2,984,854
10/20/20	*		64,221	542	--	--	--	--	--	2,984,857
10/21/20	Technician		64,244	542	--	--	--	--	--	2,984,859
10/22/20	*		64,268	542	--	--	--	--	--	2,984,862
10/23/20	Technician		64,293	542	--	--	--	385.0	0.0	2,984,865
10/24/20	*		64,317	542	--	--	--	--	--	2,984,867
10/25/20	*		64,342	542	--	--	--	--	--	2,984,870
10/26/20	*		64,366	542	--	--	--	--	--	2,984,873
10/27/20	*		64,391	542	--	--	--	--	--	2,984,875
10/28/20	Technician		64,415	546	4.3	112.0	--	408.4	0.0	2,984,878
10/29/20	*		64,439	546	--	--	--	--	--	2,984,881
10/30/20	*		64,463	546	--	--	--	--	--	2,984,883
10/31/20	*		64,487	546	--	--	--	--	--	2,984,886

Cumulative Mass TPHg Removed by the VES [D] (lb)			
Period	October	Quarter 4 to Date	April 1996 to Date
Mass	79	79	2,984,886

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

Legend / Notes:

1 = Trunkline 2 diverted to Thermox System.

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 and Trunkline 2.

4 = Trunkline 2 returned to Carbon VES.

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

-- = Not applicable or not measured

VES = Soil vapor extraction system

scfm = Standard cubic feet per minute

in. Hg = Inches of mercury

°F = Degrees Fahrenheit

ppmv = Parts per million by volume

lb = Pounds

A = Reading from chart recorder.

B = Concentrations obtained with a calibrated organic vapor analyzer.

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

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

TABLE 3B

Carbon Vapor Extraction System Operations Summary - November

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	VES Hour Meter Reading (hours)	VES Process Flow [A] (scfm)	VES Manifold Vacuum (in. Hg)	Carbon Inlet Temperature (°F)	Laboratory Process Concentration (ppmv)	Field Process Concentration [B,C] (ppmv)	Field Effluent Concentration [B,C] (ppmv)	Cumulative Vapor-Phase GRO Removed [D] (lb)
11/01/20	*		64,510	546	--	--	--	--	--	2,984,893
11/02/20	*		64,534	546	--	--	--	--	--	2,984,899
11/03/20	*		64,558	546	--	--	--	--	--	2,984,906
11/04/20	*		64,581	546	--	--	--	--	--	2,984,913
11/05/20	Technician	1,2	64,605	533	4.1	110.0	34	392.0	0.0	2,984,920
11/06/20	*		64,629	533	--	--	--	--	--	2,984,926
11/07/20	*		64,654	533	--	--	--	--	--	2,984,933
11/08/20	*		64,678	533	--	--	--	--	--	2,984,940
11/09/20	*		64,702	533	--	--	--	--	--	2,984,947
11/10/20	*		64,727	533	--	--	--	--	--	2,984,954
11/11/20	Technician		64,751	533	--	--	--	--	--	2,984,960
11/12/20	*		64,775	533	--	--	--	--	--	2,984,967
11/13/20	*		64,800	533	--	--	--	--	--	2,984,974
11/14/20	*		64,824	533	--	--	--	--	--	2,984,981
11/15/20	*		64,848	533	--	--	--	--	--	2,984,988
11/16/20	Technician		64,873	540	4.6	130.0	--	297.0	0.0	2,984,995
11/17/20	*		64,897	540	--	--	--	--	--	2,985,001
11/18/20	*		64,921	540	--	--	--	--	--	2,985,008
11/19/20	*		64,946	540	--	--	--	--	--	2,985,015
11/20/20	*		64,970	540	--	--	--	--	--	2,985,022
11/21/20	*		64,994	540	--	--	--	--	--	2,985,029
11/22/20	*		65,018	540	--	--	--	--	--	2,985,036
11/23/20	*		65,043	540	--	--	--	--	--	2,985,043
11/24/20	Technician		65,067	522	4.9	117.0	--	402.5	0.4	2,985,049
11/25/20	*		65,068	522	--	--	--	--	--	2,985,050
11/26/20	*		65,069	522	--	--	--	--	--	2,985,050
11/27/20	*		65,070	522	--	--	--	--	--	2,985,050
11/28/20	*		65,072	522	--	--	--	--	--	2,985,051
11/29/20	*		65,073	522	--	--	--	--	--	2,985,051
11/30/20	Technician	3	65,074	552	4.3	118.0	29	398.3	0.0	2,985,051

Cumulative Mass TPHg Removed by the VES [A] (lb)			
Period	November	Quarter 4 to Date	April 1996 to Date
Mass	165	245	2,985,051

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

Legend / Notes:

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

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

3 = VES manually shut down pending lab results.

-- = Not applicable or not measured

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

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 - December

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	VES Hour Meter Reading (hours)	VES Process Flow [A] (scfm)	VES Manifold Vacuum (in. Hg)	Carbon Inlet Temperature (°F)	Laboratory Process Concentration (ppmv)	Field Process Concentration [B,C] (ppmv)	Field Effluent Concentration [B,C] (ppmv)	Cumulative Vapor-Phase GRO Removed [D] (lb)
12/01/20	Offline		65,074	--	--	--	--	--	--	2,985,051
12/02/20	Offline		65,074	--	--	--	--	--	--	2,985,051
12/03/20	Offline		65,074	--	--	--	--	--	--	2,985,051
12/04/20	Offline		65,074	--	--	--	--	--	--	2,985,051
12/05/20	Offline		65,074	--	--	--	--	--	--	2,985,051
12/06/20	Offline		65,074	--	--	--	--	--	--	2,985,051
12/07/20	Offline		65,074	--	--	--	--	--	--	2,985,051
12/08/20	Offline		65,074	--	--	--	--	--	--	2,985,051
12/09/20	Offline		65,074	--	--	--	--	--	--	2,985,051
12/10/20	Offline		65,074	--	--	--	--	--	--	2,985,051
12/11/20	Offline		65,074	--	--	--	--	--	--	2,985,051
12/12/20	Offline		65,074	--	--	--	--	--	--	2,985,051
12/13/20	Offline		65,074	--	--	--	--	--	--	2,985,051
12/14/20	Offline		65,074	--	--	--	--	--	--	2,985,051
12/15/20	Offline		65,074	--	--	--	--	--	--	2,985,051
12/16/20	Offline		65,074	--	--	--	--	--	--	2,985,051
12/17/20	Offline		65,074	--	--	--	--	--	--	2,985,051
12/18/20	Offline		65,074	--	--	--	--	--	--	2,985,051
12/19/20	Offline		65,074	--	--	--	--	--	--	2,985,051
12/20/20	Offline		65,074	--	--	--	--	--	--	2,985,051
12/21/20	Offline		65,074	--	--	--	--	--	--	2,985,051
12/22/20	Offline		65,074	--	--	--	--	--	--	2,985,051
12/23/20	Offline		65,074	--	--	--	--	--	--	2,985,051
12/24/20	Offline		65,074	--	--	--	--	--	--	2,985,051
12/25/20	Offline		65,074	--	--	--	--	--	--	2,985,051
12/26/20	Offline		65,074	--	--	--	--	--	--	2,985,051
12/27/20	Offline		65,074	--	--	--	--	--	--	2,985,051
12/28/20	Offline		65,074	--	--	--	--	--	--	2,985,051
12/29/20	Offline		65,074	--	--	--	--	--	--	2,985,051
12/30/20	Offline		65,074	--	--	--	--	--	--	2,985,051
12/31/20	Offline		65,074	--	--	--	--	--	--	2,985,051

Cumulative Mass TPHg Removed by the VES [A] (lb)			
Period	December	Quarter 4 to Date	April 1996 to Date
Mass	0	245	2,985,051

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

Legend / Notes **:**

-- = Not applicable or not measured

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

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

A = Reading from chart recorder.

B = Concentrations obtained with a calibrated organic vapor analyzer.

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

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

TABLE 4

Historical Summary of Analytical Vapor Sampling Results - Influent Carbon VES

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

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

TABLE 4

Historical Summary of Analytical Vapor Sampling Results - Influent Carbon VES

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

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

TABLE 4

Historical Summary of Analytical Vapor Sampling Results - Influent Carbon VES

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

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

TABLE 4

Historical Summary of Analytical Vapor Sampling Results - Influent Carbon VES

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Sample Date	Notes	Vapor Extraction System Wells On Line	Laboratory Analysis Methods	GRO Field OVA Reading	GRO		GRO as Hexane		Benzene		Toluene		Ethylbenzene		o-Xylene		m,p-Xylenes		Total Xylenes		MTBE	
				(ppmv)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)
10/29/18	21	HW-1, HW-5, HW-7	8015M & 8260M	118	**66**	**270**	**59**	**270**	**0.44**	**1.4**	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
11/14/18	21	HW-1, HW-5, HW-7	8015M & 8260M	202	**200**	**800**	**170**	**800**	**1.3**	**4.2**	**0.69**	**2.6**	<0.12	<0.5	<0.12	<0.5	**0.35**	**1.5**	<0.35	<1.5	<0.55	<2.0
12/12/18	21	HW-1, HW-5, HW-7	8015M & 8260M	130	**98**	**400**	**87**	**400**	**0.59**	**1.9**	**0.21**	**0.79**	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
01/28/19	21	HW-1, HW-5, HW-7	8015M & 8260M	228	**220**	**880**	**190**	**880**	**1.3**	**4.0**	**0.27**	**1.0**	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
02/12/19	21, 22	HW-1, HW-5, HW-7	8015M & 8260M	258	**240**	**1,000**	**220**	**1,000**	**1.0**	**3.3**	**0.23**	**0.88**	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
04/03/19	21, 22	HW-1, HW-5, HW-7	8015M & 8260M	394	**73**	**300**	**65**	**300**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
11/25/19	23	HW-1, HW-5, HW-7, HW-8, HW-9	8015M & 8260M	164	**42**	**170**	**38**	**170**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.1	<0.35	<1.6	<0.55	<2.0
12/30/19		HW-1, HW-5, HW-7, HW-8, HW-9	8015M & 8260M	39	**7.1**	**29**	**6.3**	**29**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
01/15/20		HW-1, HW-5, HW-7, HW-8, HW-9	8015M & 8260M	15	**5.4**	**22**	<5.7	**22**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
02/18/20		HW-1, HW-5, HW-7, HW-8, HW-9	8015M & 8260M	12	<4.9	<20	<5.7	<20	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
02/27/20		HW-1, HW-5, HW-7, HW-8, HW-9	8015 & 8260B	16	<4.9	<20	<5.7	<20	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
03/16/20	24	HW-1, HW-5, HW-7	8015 & 8260B	105	**18.09**	**74**	**16**	**74**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
04/01/20	25	HW-1, HW-5, HW-7, HW-8, HW-9	8015 & 8260B	47	**8.31**	**34**	**7.5**	**34**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
04/15/20		HW-1, HW-5, HW-7, HW-8, HW-9	8015 & 8260B	87	**9.5**	**39**	**8.6**	**39**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
05/15/20		HW-1, HW-5, HW-7, HW-8, HW-9	8015 & 8260B	119	**17**	**68**	**15**	**68**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
06/22/20		HW-1, HW-5, HW-7, HW-8, HW-9	8015 & 8260B	151	**24**	**98**	**21**	**98**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
07/20/20		HW-1, HW-9, HW-7, Trunkline #1, Trunkline #2	8016 & 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	8017 & 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	8018 & 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	8019 & 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		HW-1, HW-9, HW-7, Trunkline #2	8020 & 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	8021 & 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

Legend / Notes:

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

- Reported concentrations are shown in bold.

Influent vapor sample inadvertently not collected during August 2016.

VES = Vapor extraction system

GRO = Gasoline range organics

MTBE = Methyl tertiary-butyl ether

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

ppmv = Parts per million by volume

µg/L = Micrograms per liter

-- = Not available or not analyzed

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

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.

TABLE 4

Historical Summary of Analytical Vapor Sampling Results - Influent Carbon VES

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Legend / Notes continued:

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.

TABLE 5A

Thermal Oxidizer Vapor Extraction System Operations Summary - October

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	VES Hour Meter Reading (hours)	VES Process Flow [A] (scfm)	VES Manifold Vacuum (in. WC)	Oxidizer Inlet Temperature TE1 Excess Controller (°F)	Laboratory Process GRO Concentration (ppmv)	Field Inlet Process Oxidizer Concentration [B,C] (ppmv)	Field Effluent Concentration [B,C] (ppmv)	Cumulative Vapor-Phase GRO Removed [D] (lb)
10/01/20	*		8,935	828	--	--	--	--	--	241,450
10/02/20	*	1	8,958	828	--	--	--	--	--	241,831
10/03/20	*		8,982	828	--	--	--	--	--	242,213
10/04/20	*		9,005	828	--	--	--	--	--	242,594
10/05/20	Technician	2	9,028	852	58	1,456	970	582	21	242,987
10/06/20	*		9,053	852	--	--	--	--	--	243,410
10/07/20	*		9,078	852	--	--	--	--	--	243,832
10/08/20	Technician		9,103	890	58	1,454	--	574	27	244,274
10/09/20	*		9,127	890	--	--	--	--	--	244,698
10/10/20	*		9,151	890	--	--	--	--	--	245,122
10/11/20	*		9,175	890	--	--	--	--	--	245,546
10/12/20	Technician	3	9,199	926	58	1,454	--	592	24	245,988
10/13/20	Technician	4	9,200	926	--	--	--	--	--	246,006
10/14/20	*		9,224	926	--	--	--	--	--	246,441
10/15/20	*	5	9,247	926	--	--	--	--	--	246,441
10/16/20	*		9,271	926	--	--	--	--	--	247,311
10/17/20	*		9,295	926	--	--	--	--	--	247,747
10/18/20	*		9,318	926	--	--	--	--	--	248,182
10/19/20	Technician		9,342	806	62	1,452	--	665	25	248,560
10/20/20	*		9,366	806	--	--	--	--	--	248,944
10/21/20	*		9,390	806	--	--	--	--	--	249,329
10/22/20	*		9,414	806	--	--	--	--	--	249,713
10/23/20	*		9,438	806	--	--	--	--	--	250,097
10/24/20	*		9,462	806	--	--	--	--	--	250,481
10/25/20	*		9,486	806	--	--	--	--	--	250,865
10/26/20	*		9,510	806	--	--	--	--	--	251,249
10/27/20	*		9,534	806	--	--	--	--	--	251,633
10/28/20	Technician		9,558	790	64	1,454	--	588	25	252,009
10/29/20	*		9,581	790	--	--	--	--	--	252,377
10/30/20	*		9,605	790	--	--	--	--	--	252,744
10/31/20	*		9,628	790	--	--	--	--	--	253,112

Cumulative Mass TPHg Removed by the VES [D] (lb)			
Period	October	Quarter 4 to Date	January 2018 to Date
Mass	12,043.2	12,043.2	260,952.8

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

Legend / Notes:

1 = Trunkline 2 reconnected to Thermox VES.

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

3 = VES temporarily shut down for maintenance.

4 = VES restarted.

5= Trunkline 2 diverted to Carbon VES.

System operating under SCAQMD Permit #G52288

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

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).

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

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

B = Concentrations obtained with a calibrated organic vapor analyzer.

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

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

NA = Not available

-- = Not applicable or not measured

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

TABLE 5B

Thermal Oxidizer Vapor Extraction System Operations Summary - November

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	VES Hour Meter Reading (hours)	VES Process Flow [A] (scfm)	VES Manifold Vacuum (in. WC)	Oxidizer Inlet Temperature TE1 Excess Controller (°F)	Laboratory Process GRO Concentration (ppmv)	Field Inlet Process Oxidizer Concentration [B,C] (ppmv)	Field Effluent Concentration [B,C] (ppmv)	Cumulative Vapor-Phase GRO Removed [D] (lb)
11/01/20	*		9,652	790	--	--	--	--	--	253,660
11/02/20	*		9,675	790	--	--	--	--	--	254,207
11/03/20	*		9,699	790	--	--	--	--	--	254,755
11/04/20	Technician	1,2	9,722	740	64	1,453	1400	554	28	255,268
11/05/20	*		9,746	740	--	--	--	--	--	255,797
11/06/20	*		9,770	740	--	--	--	--	--	256,327
11/07/20	*		9,795	740	--	--	--	--	--	256,856
11/08/20	*		9,819	740	--	--	--	--	--	257,385
11/09/20	*		9,843	740	--	--	--	--	--	257,914
11/10/20	*		9,867	740	--	--	--	--	--	258,444
11/11/20	*		9,891	740	--	--	--	--	--	258,973
11/12/20	*		9,915	740	--	--	--	--	--	259,502
11/13/20	*		9,940	740	--	--	--	--	--	260,031
11/14/20	*		9,964	740	--	--	--	--	--	260,561
11/15/20	*		9,988	740	--	--	--	--	--	261,090
11/16/20	Technician		10,012	823	66	1,456	--	546	30	261,678
11/17/20	*		10,036	823	--	--	--	--	--	262,272
11/18/20	*		10,061	823	--	--	--	--	--	262,866
11/19/20	*		10,085	823	--	--	--	--	--	263,459
11/20/20	*		10,110	823	--	--	--	--	--	264,053
11/21/20	*		10,134	823	--	--	--	--	--	264,647
11/22/20	*		10,158	823	--	--	--	--	--	265,240
11/23/20	*		10,183	823	--	--	--	--	--	265,834
11/24/20	Technician		10,207	779	66	1,454	--	534	28	266,396
11/25/20	*		10,231	779	--	--	--	--	--	266,953
11/26/20	*		10,255	779	--	--	--	--	--	267,510
11/27/20	*		10,280	779	--	--	--	--	--	268,068
11/28/20	*		10,304	779	--	--	--	--	--	268,625
11/29/20	*		10,328	779	--	--	--	--	--	269,182
11/30/20	Technician		10,352	819	66	1,449	--	536	30	269,768

Cumulative Mass TPHg Removed by the VES [D] (lb)			
Period	November	Quarter 4 to Date	January 2018 to Date
Mass	17,023.2	29,066.4	277,608.5

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

Legend / Notes:

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

2 = Collected samples at Trunklines 1, 3, 4 and 5 for laboratory analysis.

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

System operating under SCAQMD Permit #G52288

Vapor extraction wells on line this month (grouped by location):
Central Area - (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).

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

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

TABLE 5C

Thermal Oxidizer Vapor Extraction System Operations Summary - December

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	VES Hour Meter Reading (hours)	VES Process Flow [A] (scfm)	VES Manifold Vacuum (in. WC)	Oxidizer Inlet Temperature TE1 Excess Controller (°F)	Laboratory Process GRO Concentration (ppmv)	Field Inlet Process Oxidizer Concentration [B,C] (ppmv)	Field Effluent Concentration [B,C] (ppmv)	Cumulative Vapor-Phase GRO Removed [D] (lb)
12/01/20	*		10,375	819	--	--	--	--	--	270,158
12/02/20	*		10,398	819	--	--	--	--	--	270,549
12/03/20	*		10,421	819	--	--	--	--	--	270,939
12/04/20	*		10,445	819	--	--	--	--	--	271,330
12/05/20	*		10,468	819	--	--	--	--	--	271,720
12/06/20	*		10,491	819	--	--	--	--	--	272,111
12/07/20	Technician	1,2	10,514	727	66	1,455	1000	512	28	272,457
12/08/20	*		10,539	727	--	--	--	--	--	272,824
12/09/20	Technician	3	10,563	--	--	--	--	--	--	272,824
12/10/20	Offline		10,563	--	--	--	--	--	--	272,824
12/11/20	Offline		10,563	--	--	--	--	--	--	272,824
12/12/20	Offline		10,563	--	--	--	--	--	--	272,824
12/13/20	Offline		10,563	--	--	--	--	--	--	272,824
12/14/20	Offline		10,563	--	--	--	--	--	--	272,824
12/15/20	Offline		10,563	--	--	--	--	--	--	272,824
12/16/20	Offline		10,563	--	--	--	--	--	--	272,824
12/17/20	Offline		10,563	--	--	--	--	--	--	272,824
12/18/20	Offline		10,563	--	--	--	--	--	--	272,824
12/19/20	Offline		10,563	--	--	--	--	--	--	272,824
12/20/20	Offline		10,563	--	--	--	--	--	--	272,824
12/21/20	Offline		10,563	--	--	--	--	--	--	272,824
12/22/20	Offline		10,563	--	--	--	--	--	--	272,824
12/23/20	Offline		10,563	--	--	--	--	--	--	272,824
12/24/20	Offline		10,563	--	--	--	--	--	--	272,824
12/25/20	Offline		10,563	--	--	--	--	--	--	272,824
12/26/20	Offline		10,563	--	--	--	--	--	--	272,824
12/27/20	Offline		10,563	--	--	--	--	--	--	272,824
12/28/20	Offline		10,563	--	--	--	--	--	--	272,824
12/29/20	Offline		10,563	--	--	--	--	--	--	272,824
12/30/20	Offline		10,563	--	--	--	--	--	--	272,824
12/31/20	Offline		10,563	--	--	--	--	--	--	272,824

Cumulative Mass TPHg Removed by the VES [A] (lb)			
Period	December	Quarter 4 to Date	January 2018 to Date
Mass	3,056.8	32,123.2	280,665.3

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

Legend / Notes:

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

2 = Collected samples at Trunklines 1, 3, 4 and 5 for laboratory analysis.

3 = VES manually shut down.

System operating under SCAQMD Permit #G52288

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

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).

VES = Soil vapor extraction system

scfm = Standard cubic feet per minute

ppmv = Parts per million by volume

in. Hg = Inches of mercury

°F = Degrees Fahrenheit

lb = Pounds

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

B = Concentrations obtained with a calibrated organic vapor analyzer.

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

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

NA = Not available

-- = Not applicable or not measured

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

TABLE 6

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

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Sample Date	Notes	VES Wells On Line	Laboratory Analysis Methods	GRO Field OVA Reading	GRO		GRO as Hexane		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		GRO as Hexane		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**	**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**	**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		GRO as Hexane		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**	**750**	**3,900**	**1.10**	**3.50**	**0.21**	**0.91**	<.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**	**1,400**	**7,700**	**3.40**	**11.00**	**0.35**	**1.50**	<.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**	**970**	**5,300**	**1.20**	**3.90**	**0.22**	**0.96**	<.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		GRO as Hexane		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**	<.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).	8016 & 8260B	**512**	**1,300**	**5,500**	**1,000**	**5,500**	**0.94**	**3.00**	**0.35**	**1.50**	<.55	<2.0	**0.74**	**2.80**	**0.37**	**1.60**	**0.85**	**3.70**	**1.22**	**5.3**

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.

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

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

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

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

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

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

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

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

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

TABLE 7A
Summary of LNAPL Removal in Well GMW-62 - Fourth Quarter 2020
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing [A] (gallons)	LNAPL Removed with Socks [A] (pounds)	LNAPL Removed with Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A, B] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A,B] (pounds)
						End of Third Quarter 2020:	*146.2*	*1,000.6*
10/07/20	--	34.97	--	0.0	1.6	0.2	146.5	1,002.2
10/15/20	--	34.92	--	0.0	1.7	0.2	146.7	1,003.9
10/29/20	--	34.83	--	0.0	1.5	0.2	146.9	1,005.4
11/03/20	--	34.65	--	0.0	1.6	0.2	147.1	1,007.0
11/11/20	--	34.70	--	0.0	0.4	0.1	147.2	1,007.4
11/18/20	--	35.03	--	0.0	0.4	0.1	147.3	1,007.7
11/24/20	--	34.72	--	0.0	0.9	0.1	147.4	1,008.6
12/02/20	--	34.78	--	0.0	0.4	0.1	147.4	1,009.0
12/06/20	--	34.67	--	0.0	0.5	0.1	147.5	1,009.5
12/23/20	--	34.65	--	0.0	0.5	0.1	147.6	1,010.0

Cumulative for the Reporting Period [A]:	**0.0**	**9.4**	**1.4**	**1.4**	**9.4**
Cumulative Beginning January 2014 [A,B]:	**112.0**	**243.5**	**35.6**	**147.6**	**1,010.0**

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

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

TABLE 7B
Summary of LNAPL Removal in Well GMW-68 - Fourth Quarter 2020
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing [A] (gallons)	LNAPL Removed with Socks [A] (pounds)	LNAPL Removed with Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A, B] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A,B] (pounds)
						End of Third Quarter 2020:	*84.8*	*580.6*
10/07/20	--	33.95	--	0.0	2.1	0.3	85.2	582.7
10/15/20	--	33.91	--	0.0	2.3	0.3	85.5	585.0
10/29/20	--	33.98	--	0.0	1.5	0.2	85.7	586.5
11/03/20	--	33.78	--	0.0	1.7	0.2	86.0	588.2
11/11/20	--	33.93	--	0.0	2.1	0.3	86.3	590.3
11/18/20	--	34.14	--	0.0	2.1	0.3	86.6	592.5
11/24/20	--	33.93	--	0.0	1.5	0.2	86.8	594.0
12/02/20	--	33.93	--	0.0	2.9	0.4	87.2	596.8
12/16/20	--	33.85	--	0.0	1.8	0.3	87.5	598.6
12/23/20	--	33.96	--	0.0	2.1	0.3	87.8	600.7

Cumulative for the Reporting Period [A]:	**0.0**	**20.1**	**2.9**	**2.9**	**20.1**
Cumulative Beginning October 2016 [A,B]:	**33.5**	**371.5**	**54.3**	**87.8**	**600.7**

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

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

TABLE 7C
Summary of LNAPL Removal in Well GMW-7 - Fourth Quarter 2020
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 Pumping/Skimming from Product Recovery System Well During 4th Quarter 2020								

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

Legend / Notes:

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

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

TABLE 7D
Summary of LNAPL Removal in Well TF-19 - Fourth Quarter 2020
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 Pumping/Skimming from Product Recovery System Well During 4th Quarter 2020								
Cumulative for the Reporting Period:				**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning June 2015 [A]:				**6.75**	**199.1**	**29.08**	**35.8**	**245.2**

Legend / Notes:

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

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

TABLE 7E
Summary of LNAPL Removal in Well TFR-9 - Fourth Quarter 2020
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (pounds)	LNAPL Removed with Socks (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
No Pumping/Skimming from Product Recovery System Well During 4th Quarter 2020								

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

Legend / Notes:

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

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

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

TABLE 7F
Summary of LNAPL Removal in Well GMW-18 - Fourth Quarter 2020
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (pounds)	LNAPL Removed with Socks (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
No Pumping/Skimming from Product Recovery System Well During 4th Quarter 2020								
Cumulative for the Reporting Period [B]:				**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning March 2017 [A]:				**101.1**	**75.8**	**11.1**	**112.2**	**767.6**

Legend / Notes:

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

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

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

TABLE 7G
Summary of LNAPL Removal in Well TFR-12 - Fourth Quarter 2020
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (pounds)	LNAPL Removed with Socks (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
No Pumping/Skimming from Product Recovery System Well During 4th Quarter 2020								
Cumulative for the Reporting Period:				**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning April 2018 [A,B]:				**283.3**	**0.0**	**0.0**	**283.3**	**1,939.0**

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 2018 following installation of well during December 2017.

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

TABLE 7H
Summary of LNAPL Removal in Well TFR-14 - Fourth Quarter 2020
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (pounds)	LNAPL Removed with Socks (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
No Pumping/Skimming from Product Recovery System Well During 4th Quarter 2020								

Cumulative for the Reporting Period:	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning April 2018 [A,B]:	**1.1**	**0.0**	**0.0**	**1.1**	**7.5**

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 April 2018 following installation of well during December 2017.

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

TABLE 7I
Summary of LNAPL Removal in Well TF-15 - Fourth Quarter 2020
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (pounds)	LNAPL Removed with Socks (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
No Pumping/Skimming from Product Recovery System Well During 4th Quarter 2020								
Cumulative for the Reporting Period [B]:				**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning October 2016 [A]:				**187.1**	**52.5**	**7.7**	**194.8**	**1,332.9**

Legend / Notes:

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

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

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

TABLE 7J
Summary of LNAPL Removal in Well TFR-15 - Fourth Quarter 2020
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (pounds)	LNAPL Removed with Socks (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
No Pumping/Skimming from Product Recovery System Well During 4th Quarter 2020								
Cumulative for the Reporting Period:				**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning October 2018 [A,B]:				**23.0**	**0.0**	**0.0**	**23.0**	**157.4**

Legend / Notes:

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

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

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

TABLE 7K
Summary of LNAPL Removal in Well TF-16 - Fourth Quarter 2020
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (pounds)	LNAPL Removed with Socks (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
No Pumping/Skimming from Product Recovery System Well During 4th Quarter 2020								

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

Legend / Notes:

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

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

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

TABLE 7L
Summary of LNAPL Removal in Well GW-14R - Fourth Quarter 2020
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (pounds)	LNAPL Removed with Socks (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
No Pumping/Skimming from Product Recovery System Well During 4th Quarter 2020								
Cumulative for the Reporting Period:				**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning October 2018 [A,B]:				**360.0**	**0.0**	**0.0**	**360.0**	**2,463.6**

Legend / Notes:

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

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

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

TABLE 7M
Summary of LNAPL Removal in Well TFR-18 - Fourth Quarter 2020
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (pounds)	LNAPL Removed with Socks (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
No Pumping/Skimming from Product Recovery System Well During 4th Quarter 2020								
Cumulative for the Reporting Period:				**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning October 2018 [A,B]:				**16.2**	**0.0**	**0.0**	**16.2**	**110.7**

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 GW-14R initiated on October 8, 2018 but pump was manually shutdown on April 17, 2019 to allow for LNAPL recovery, and only otherwise operated briefly during the reporting period from May 2-6, 2019 to evaluate the well yield).

TABLE 7N
Summary of LNAPL Removal in Well TFR-22 - Fourth Quarter 2020
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (pounds)	LNAPL Removed with Socks (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
						End of Third Quarter 2020:	*229.2*	*1,568.6*
10/09/20	32.64	36.82	4.18	0.0	--	--	229.2	1,568.6
10/15/20	32.68	36.85	4.17	0.0	--	--	229.2	1,568.6
10/29/20	32.20	37.90	5.70	4.4	--	--	233.6	1,598.5
11/03/20	32.55	36.85	4.30	3.3	--	--	236.9	1,620.9
11/11/20	31.95	37.06	5.11	4.4	--	--	241.2	1,650.7
11/18/20	31.94	36.90	4.96	4.4	--	--	245.6	1,680.6
11/24/20	32.38	37.48	5.10	4.4	--	--	249.9	1,710.5
12/02/20	32.15	37.10	4.95	4.4	--	--	254.3	1,740.3
12/16/20	33.45	33.71	0.26	1.1	--	--	255.4	1,747.8
12/23/20	33.51	33.89	0.38	0.0	--	--	255.4	1,747.8

Cumulative for the Reporting Period:	**26.2**	**0.0**	**0.0**	**26.2**	**179.2**
Cumulative Beginning October 2018 [A,B]:	**255.4**	**0.0**	**0.0**	**255.4**	**1,747.8**

Legend / Notes:

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

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

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

TABLE 7O
Summary of LNAPL Removal in Well TFR-24 - Fourth Quarter 2020
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (pounds)	LNAPL Removed with Socks (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
No Pumping/Skimming from Product Recovery System Well During 4th Quarter 2020								
Cumulative for the Reporting Period:				**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning October 2018 [A,B]:				**109.1**	**0.0**	**0.0**	**109.1**	**746.5**

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 - Fourth Quarter 2020
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing [A] (gallons)	LNAPL Removed with Socks [A] (pounds)	LNAPL Removed with Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A,B] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A,B] (pounds)
						End of Third Quarter 2020:	*874.4*	*5,984.0*
10/09/20	32.51	34.40	1.89	2.2	--	--	876.6	5,998.9
10/15/20	--	32.78	0.00	0.0	--	--	876.6	5,998.9
10/29/20	32.28	34.88	2.60	2.2	--	--	878.8	6,013.8
11/03/20	31.89	35.10	3.21	3.3	--	--	882.1	6,036.2
11/11/20	32.23	35.45	3.22	3.3	--	--	885.3	6,058.6
11/18/20	32.50	35.32	2.82	2.2	--	--	887.5	6,073.6
11/24/20	31.88	34.87	2.99	2.2	--	--	889.7	6,088.5
12/02/20	32.72	35.74	3.02	2.2	--	--	891.9	6,103.4
12/16/20	32.90	35.45	2.55	2.2	--	--	894.1	6,118.4
12/23/20	32.98	35.75	2.77	2.2	--	--	896.3	6,133.3

Cumulative for the Reporting Period [A]:	**21.8**	**0.0**	**0.0**	**21.8**	**149.3**
Cumulative Beginning April 2018 [A,B,C,D]:	**896.3**	**0.0**	**0.0**	**896.3**	**6,133.3**

Legend / Notes:

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

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

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

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

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

TABLE 7Q
Summary of LNAPL Removal in Well TFR-33 - Fourth Quarter 2020
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (pounds)	LNAPL Removed with Socks (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
No Pumping/Skimming from Product Recovery System Well During 4th Quarter 2020								

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

Legend / Notes:

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

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

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

TABLE 7R
Summary of LNAPL Removal in Well RTF-18-E - Fourth Quarter 2020
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (pounds)	LNAPL Removed with Socks (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
No Pumping/Skimming from Product Recovery System Well During 4th Quarter 2020								

Cumulative for the Reporting Period:	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning May 2016 - July 2016 [A]:	**47.5**	**0.0**	**0.0**	**47.5**	**325.1**
Cumulative Beginning August 2016 - September 2019 [B]:	**593.4**	**0.0**	**0.0**	**593.4**	**4,061.5**
Cumulative Beginning May 2016 [A]:	**678.1**	**0.0**	**0.0**	**678.1**	**4,640.3**

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 May 2016 following installation of well during December 2015.

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

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

TABLE 7S
Summary of LNAPL Removal in Well RTF-18-NW - Fourth Quarter 2020
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (pounds)	LNAPL Removed with Socks (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
No Pumping/Skimming from Product Recovery System Well During 4th Quarter 2020								

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]:	**3,038.6**	**0.0**	**0.0**	**3,038.6**	**20,793.8**

Legend / Notes:

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

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

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

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

TABLE 7T
Summary of LNAPL Removal in Well RTF-18-N - Fourth Quarter 2020
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (pounds)	LNAPL Removed with Socks (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
No Pumping/Skimming from Product Recovery System Well During 4th Quarter 2020								

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

Legend / Notes:

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

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

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

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

TABLE 7U
Summary of LNAPL Removal in Well TF-18 - Fourth Quarter 2020
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (pounds)	LNAPL Removed with Socks (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
No Pumping/Skimming from Product Recovery System Well During 4th Quarter 2020								

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]:	**2,270.2**	**307.3**	**44.9**	**2,315.1**	**15,842.6**

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 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).

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TABLE 7V
Summary of LNAPL Removal in Well RTF-18-NNW - Fourth Quarter 2020
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (pounds)	LNAPL Removed with Socks (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
No Pumping/Skimming from Product Recovery System Well During 4th Quarter 2020								

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

Legend / Notes:

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

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

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

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

TABLE 7W
Summary of LNAPL Removal in Well RTF-18-W - Fourth Quarter 2020
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (pounds)	LNAPL Removed with Socks (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
No Pumping/Skimming from Product Recovery System Well During 4th Quarter 2020								

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.

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

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

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

Sample Date	Notes	GWETS Wells On Line	Laboratory Analysis Methods	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	m,p-Xylenes	o-Xylene	TBA	MTBE	DIPE	ETBE	TAME
				(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
10/19/11		--	--	--	--	**8.2**	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<2.0	<2.0	<2.0
01/20/12		--	--	--	--	**14**	<0.50	**2.8**	**7.8**	**1.2**	**16**	**1.3**	**0.42**	<2.0	<2.0
02/03/12		--	--	**120**	**340**	--	--	--	--	--	--	--	--	--	--
02/17/12		--	--	--	--	**10**	<0.50	**1.5**	**7.4**	**1.2**	**15**	**1.2**	**0.39**	<2.0	<2.0
02/24/12		--	--	**180**	--	**26**	<0.50	**1.0**	**7.0**	**1.2**	<10	**1.2**	**0.41**	<2.0	<2.0
03/02/12		--	--	--	--	**23**	<0.50	**1.4**	**11**	**2.4**	**8.7**	**1.4**	**0.47**	<2.0	<2.0
03/06/12		--	--	--	--	**28**	<0.50	**1.0**	**9.0**	**1.7**	**13**	**1.1**	**0.37**	<2.0	<2.0
06/15/12		--	--	--	--	**39**	**13**	**17**	**88**	**26**	<10	**1.3**	**0.52**	<2.0	<2.0
08/31/12		--	--	**820**	**940**	--	--	--	--	--	--	--	--	--	--
09/27/12		--	--	**5,300**	**3,800**	--	--	--	--	--	--	--	--	--	--
10/23/12		--	--	--	--	**67**	**60**	**110**	**460**	**140**	<10	<0.50	<2.0	<2.0	<2.0
01/31/13		--	--	**3,600**	--	--	--	--	--	--	--	--	--	--	--
05/01/13		--	--	**6,300**	**5,500**	**20**	**4.7**	**8.0**	**41**	**14**	**4.8**	**0.56**	<2.0	<2.0	<2.0
07/12/13		--	--	<100	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<2.0	<2.0	<2.0
08/20/13		--	--	<100	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<2.0	<2.0	<2.0
12/19/13		--	--	<100	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<2.0	<2.0	<2.0
02/07/14		--	--	**1,500**	**2,300**	--	--	--	--	--	--	--	--	--	--
03/21/14		--	--	--	--	**61**	**5.1**	**23**	**150**	**45**	<10	**0.87**	<2.0	<2.0	<2.0
05/29/14	1	--	8015M & 8260B	--	--	**29**	**1.0**	**30**	**180**	**45**	<10	**1.0**	<2.0	<2.0	<2.0
07/09/14	2	GW-15, GW-16	8015M & 8260B	**720**	**1,800**	**82**	**3.8**	**27**	**110**	**31**	<7.0	<0.40	<0.50	<0.40	<0.30
08/13/14		GW-15, GW-16	8015M & 8260B	**150**	**1,500**	**57**	**3.7**	**30**	**130**	**36**	<7.0	**0.77**	<0.50	<0.40	<0.30
09/17/14		GW-15, GW-16	8015M & 8260B	**800**	**3,500**	**23**	**0.73**	**20**	**170**	**40**	<7.0	**0.83**	<0.50	<0.40	<0.30
10/20/14		GW-15, GW-16	8015M & 8260B	**560**	**3,600**	**31**	**2.2**	**40**	**240**	**54**	<7.0	**0.6**	<0.50	<0.40	<0.30
11/17/14	3,4,1	GW-15, GW-16	8015M & 8260B	**260**	**1,400**	**21**	**0.71**	**10**	**62**	**18**	<7.0	<0.40	<0.50	<0.40	<0.30

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

Sample Date	Notes	GWETS Wells On Line	Laboratory Analysis Methods	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	m,p-Xylenes	o-Xylene	TBA	MTBE	DIPE	ETBE	TAME
				(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
12/17/14	4,1	GW-15, GW-16	8015M & 8260B	**190**	**880**	**23**	**0.66**	**8.8**	**48**	**14**	<7.0	<0.40	<0.50	<0.40	<0.30
01/14/15	4,1	GW-15, GW-16	8015M & 8260B	**4,600**	**3,800**	**150**	**2.8**	**29**	**130**	**37**	<7.0	<0.40	<0.50	<0.40	<0.30
02/20/15	4,1	GW-15, GW-16	8015M & 8260B	**2,500**	**8,100**	**230**	**9.8**	**220**	**880**	**220**	<7.0	**0.45**	<0.50	<0.40	<0.30
03/27/15		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**620**	**980**	**9.9**	<0.30	**2.7**	**18**	**5.9**	<7.0	**1.0**	<0.50	<0.40	<0.30
05/11/15	5	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	<60	**330**	**16**	**5.2**	**5.9**	**37**	**14**	<7.0	**0.58 J**	<0.50	<0.40	<0.30
06/03/15		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**150**	**340**	**20**	**6.6**	**12**	**22**	**25**	<7.0	**0.52 J**	<0.50	<0.40	<0.30
07/09/15		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**180**	**610**	<0.20	<0.30	<0.20	<0.40	<0.30	<7.0	**0.62 J**	<0.50	<0.40	<0.30
08/17/15		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**430**	<40	<0.20	<0.30	<0.20	**0.95 J**	<0.30	<7.0	**0.71 J**	<0.50	<0.40	<0.30
09/03/15		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**86 J**	**570**	**5.9**	**0.37 J**	**3.7**	**10**	**14**	<7.0	**0.45 J**	<0.50	<0.40	<0.30
10/05/15		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	<60	**500**	**7.3**	<0.30	**8.7**	**35**	**15**	<7.0	**0.73 J**	<0.50	<0.40	<0.30
11/02/15		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**420**	**3,400**	**5.1**	<0.30	**17**	**130**	**22**	<7.0	**0.85 J**	<0.50	<0.40	<0.30
12/07/15		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**710**	**3,800**	**0.70**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
01/12/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**2,000**	**510**	**14**	<0.30	**3.6**	**25**	**7.0**	<7.0	<0.40	<0.50	<0.40	<0.30
02/01/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**72 J**	**180**	**13**	<0.30	**0.53**	**2.7**	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
03/14/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**270**	**1,100**	**0.91**	<0.30	<0.20	**1.6**	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
04/04/16	5	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**76 J**	**100**	**0.99**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
05/04/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**170**	**470**	<0.20	<0.30	<0.20	**1.3**	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
06/01/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**280**	**75 J**	**4.9**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.43 J**	<0.50	<0.40	<0.30
07/11/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**330**	<40	**4.7**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.79 J**	<0.50	<0.40	<0.30
08/01/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	<60	<40	**3.7**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
09/01/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	<60	<40	**2.7**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
10/12/16	5	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**230**	<40	**4.5**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
11/01/16	5	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**120**	**52 J**	**3.1**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
12/05/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**450**	**51 J**	<0.20	<0.30	<0.20	<0.40	<0.30	<7.0	**0.60 J**	<0.50	<0.40	<0.30

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

Sample Date	Notes	GWETS Wells On Line	Laboratory Analysis Methods	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	m,p-Xylenes	o-Xylene	TBA	MTBE	DIPE	ETBE	TAME
				(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
01/09/17		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**150**	<40	**4.4**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.58 J**	<0.50	<0.40	<0.30
02/06/17	6	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**110**	<40	**3.5**	<0.30	**0.41 J**	**0.60 J**	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
03/15/17	5	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**68 J**	<40	**4.3**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.60 J**	<0.50	<0.40	<0.30
04/05/17	5	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**74 J**	<40	**8.4**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
05/03/17		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**72 J**	<40	**4.3**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
06/05/17		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**62 J**	<40	**5.0**	<0.30	<0.20	**0.50 J**	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
07/19/17	5	GW-2, GW-15, GW-16	8015M & 8260B	**75 J**	<40	**3.4**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
08/02/17		GW-2, GW-15, GW-16	8015M & 8260B	**80 J**	<40	**4.0**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.88 J**	<0.50	<0.40	<0.30
09/13/17		GW-2, GW-15, GW-16	8015M & 8260B	**84 J**	<40	<0.20	<0.30	<0.20	<0.40	<0.30	<7.0	**0.69 J**	<0.50	<0.40	<0.30
10/16/17		GW-2, GW-15, GW-16	8015M & 8260B	**64 J**	<40	**3.7**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.54 J**	<0.50	<0.40	<0.30
11/13/17		GW-2, GW-15, GW-16	8015M & 8260B	**78 J**	<40	**4.5**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.54 J**	<0.50	<0.40	<0.30
12/11/17	7	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	<60	<40	**2.8**	<0.30	<0.20	<0.40	<0.30	**8.8 J**	<0.40	<0.50	<0.40	<0.30
01/11/18	7	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**73 J**	<40	**2.0**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
02/26/18	7	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**130**	<40	**5.3**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.49 J**	<0.50	<0.40	<0.30
03/20/18	7	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	<60	<40	**4.4**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.47 J**	<0.50	<0.40	<0.30
04/02/18	7	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**65 J**	<40	**2.9**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.50 J**	<0.50	<0.40	<0.30
05/02/18	7	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**130**	<40	**2.5**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.74 J**	<0.50	<0.40	<0.30
06/04/18		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	<60	<40	**0.74**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
07/02/18	7,8	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	<60	<40	**1.1**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.41 J**	<0.50	<0.40	<0.30
08/06/18		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	<60	<40	**3.1**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
09/13/18		GW-2, GW-15, GW-16	8015M & 8260B	<60	<40	**0.38 J**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
10/29/18		GW-15, GW-16	8015M & 8260B	<60	<40	**2.4**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
11/14/18		GW-15, GW-16	8015M & 8260B	<60	<40	**2.0**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
12/17/18	7	GW-2, GW-13, GW-15, GW-16	8015M & 624	**170**	<100	<0.5	<2.0	<2.0	<2.0	<2.0	<10	<2.0	<2.0	<2.0	<2.0

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

Sample Date	Notes	GWETS Wells On Line	Laboratory Analysis Methods	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	m,p-Xylenes	o-Xylene	TBA	MTBE	DIPE	ETBE	TAME
				(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
01/08/19		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	--	<40	**1.4**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.92 J**	<0.50	<0.40	<0.30
02/06/19	9	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	<60	<40	**1.4**	<0.30	<0.20	**0.52 J**	<0.30	<7.0	**0.49 J**	<0.50	<0.40	<0.30
01/30/20	10,11	GW-13, GW-15, GW-16	8015M	**790**	--	--	--	--	--	--	--	--	--	--	--
03/11/20	10,11	GW-15, GW-16	8015B & EPA 624	**370**	--	<5	<5	<5	<1	<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	<5	<10	<5	<10	<5	<5	<1.0	<1.0
06/24/20		GW-16, GMW-31, GW-14R	8015B & EPA 624	**850**	**640**	**79**	<5	<5	<10	<5	**12**	**6.4**	<5	<1.0	<1.0
07/24/20		GW-16, GMW-31, GW-14R	8015B & EPA 624	**1,000**	**150**	**6.2**	<5	<5	<10	<5	**18**	<5	<5	<1.0	<1.0
11/24/20		GW-16, GMW-31, GW-14R	8015B & EPA 624	**430**	**190**	**5.3**	<5	<5	<10	<5	**12**	<5	<5	<1.0	<1.0

Legend / Notes:

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

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

<1 = Not detected at or above the Method Reporting Limit (MRL) shown. Beginning 7/9/14, not detected at or above the Method Detection Limit (MDL) shown.
J = Estimated value. Analyte detected at a level less than the MRL and greater than or equal to the MDL.
- Reported concentrations are shown in bold.

1 = GWETS manually shut down.
2 = GWETS restarted on 7/2/14, 1/13/15 and 2/25/15.
3 = GWETS manually shut down on 11/11/14.
4 = GWETS temporarily restarted but left off-line upon departure.
5 = GWETS manually shut down on 4/13/15, 5/6/15, 4/4/16, 9/26/16, 11/7/16, 3/8/17, 4/17/17 and 7/3/17, and restarted on 4/27/15, 5/8/15, 4/28/16, 10/12/16, 11/23/16, 3/15/17, 4/25/17 and 7/17/17, respectively.
6 = GWETS restarted following an automatic shut down on 2/4/17.
7 = GWETS manually shut down on 11/20/17 and largely remained off-line through late May 2018, as well as during July and December 2018, with the exception of a few operational days and/or weeks to collect system removal performance samples following the completion of media change out work, and/or to complete routine groundwater monitoring and sampling work along with system maintenance activities.
8 = GWETS manually shut down from 7/9/18 to 7/12/18 for installation of replacement discharge totalizer, 7/13/18 to 7/16/18 for repairs, and 7/18/18 to 7/20/18 for carbon changeout fieldwork.
9 = GWETS off-line since 2/27/19 pending the completion of an alternative waste discharge evaluation study.
10 = GWETS restarted on October 10, 2019 per the new sewer discharge permit. Sampling will begin January 1, 2020 per the permit requirements.
11 = TPHd and benzene, toluene, and ethylbenzene analyzed for mass extraction purposes only; new Industrial Waste Discharge (IWD) permit has different analytical requiremets than previous stormsewer discharge permit.
12 = GWETS shutdown on 6/30/20 to enhance the water treatment process.

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	--	--

TABLE 9A

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

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

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

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
02/14/20		HW-1, HW-5, HW-7, HW-8, HW-9	397	--	24	366	4	805
02/18/20		HW-1, HW-5, HW-7, HW-8, HW-9	139	--	4	149	3	530
02/27/20		HW-1, HW-5, HW-7, HW-8, HW-9	155	--	29	21	2	1,192
03/04/20		HW-1, HW-5, HW-7, HW-8, HW-9	2,188	--	611	461	61	774
03/16/20		HW-1, HW-5, HW-7, HW-8, HW-9	1,520	--	241	186	21	4,344
03/24/20		HW-1, HW-5, HW-7, HW-8, HW-9	339	--	57	156	6	2,681
04/01/20		HW-1, HW-5, HW-7, HW-8, HW-9	132	--	5	87	4	1,982
04/10/20		HW-1, HW-5, HW-7, HW-8, HW-9	172	--	5..1	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

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
09/28/20		HW-1, HW-7, HW-9	115	--	--	471	--	1,783
10/05/20		HW-1, HW-7, HW-9	122	--	--	400	--	3,011
10/12/20		HW-1, HW-7, HW-9	77	--	--	219	--	1,542
10/19/20		HW-1, HW-7, HW-9	101	--	--	1,791	--	1,771
10/28/20		HW-1, HW-7, HW-9	102	--	--	171	--	69
11/5/20		HW-1, HW-7, HW-9	107	--	49	165	124	1,421
11/16/20		HW-1, HW-5, HW-7, HW-9	64	--	25	134	--	964
11/24/20		HW-1, HW-5, HW-7, HW-9	46	--	104	--	--	993

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 trunklines 8 and 5 due to low PID readings. Trunklines 7 and 9 opened 100%

* = 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 -51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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 -52	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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 -53	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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	2	(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	2	(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	2	(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	2	(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	2	(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	2, 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

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	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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
07/06/16	6,10	HW-1, HW-3, HW-5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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
06/27/19			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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	3	(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	3,7	(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

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
09/23/19	3	(RW-1), (RW-18), (RW-13), (RW-4, RW-5, RW-9, RW-10)	682	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	177	258	306	179	145	679	637
12/03/19	3	(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	3	(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	3, 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-3, RW-4, RW-9, RW-10)	834	--	--	--	--	--	--	--	36	--	--	--	60	--	--	--	--	1,262	--	108	140	--	1,028	274

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 -51	--	--	--	--	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 -52	--	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		(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

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
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
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

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-7 *	04/06/16		8015 & 8260B	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
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
VEW-32	07/09/14	1		154	132	540	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	10/23/14			191	19	76	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	04/27/15			210	320	1,300	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/10/15			456	460	1,900	0.66	2.1	<0.13	<0.50	0.23	1.0	<0.12	<0.50	0.46	2.0	<0.55	<2.0
	02/08/16			160	130	550	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	04/06/16			60	17	68	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/17			9.0	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
VEW-33	07/09/14	1		10	<4.9	<20	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	10/23/14			22	6.6	27	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	04/27/15			324	270	1,100	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/10/15			334	290	1,200	0.50	1.6	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	0.32	1.4	<0.55	<2.0
	02/08/16			220	270	1,100	0.38	1.2	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	04/06/16			380	340	1,400	0.50	1.6	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	0.25	1.1	<0.55	<2.0
	06/27/17			5.8	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
VEW-34	07/09/14	1		4.2	<4.9	<20	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	10/23/14			8.0	<4.9	<20	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	04/27/15			115	44	180	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/10/15			63	14	57	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/17			7.0	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
VEW-35	07/09/14	1		5.5	<4.9	<20	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	10/23/14			28	<4.9	<20	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0

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-35	04/27/15		8015 & 8260B	**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
RW-1	08/09/17	5		**1,268**	**1,100**	**4,400**	**1.7**	**5.4**	**3.7**	**14**	**0.85**	**3.7**	**0.55**	**2.4**	**2.5**	**11**	<0.55	<2.0
	09/07/17			**3,860**	**2,300**	**9,600**	**6.3**	**20**	**16**	**60**	**2.8**	**12**	**2.0**	**8.9**	**7.4**	**32**	<0.55	<2.0
RW-2	08/09/17	5		**16**	**39**	**160**	**0.19**	**0.61**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	03/14/18			**31**	**22**	**92**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-3	03/14/18	6		**68**	**37**	**150**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-4	03/14/18	6		**598**	**460**	**1,900**	**1.8**	**5.9**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-5	03/14/18	6		**4,600**	**2,900**	**12,000**	**1.7**	**5.5**	<0.13	<0.50	**0.78**	**3.4**	**0.18**	**0.76**	**2.5**	**11**	<0.55	<2.0
RW-7	08/09/17	5		**120**	**320**	**1,300**	<0.16	<0.50	**0.14**	**0.53**	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	03/14/18			**54**	**64**	**260**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-9	08/09/17	5		**1,164**	**1,100**	**4,500**	**0.44**	**1.4**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	09/07/17			**320**	**240**	**1,000**	**0.75**	**2.4**	<0.13	<0.50	**0.19**	**0.83**	<0.12	<0.50	**0.41**	**1.8**	<0.55	<2.0
	03/14/18			**2,824**	**2,000**	**8,100**	**18**	**59**	<0.13	<0.50	**5.1**	**22**	**3.0**	**13**	**9.4**	**41**	<0.55	<2.0
RW-10	03/14/18	6		**>10,000**	**14,000**	**58,000**	**14**	**45**	<0.13	<0.50	**0.69**	**3.0**	**0.53**	**2.3**	**5.8**	**25**	<0.55	<2.0
RW-11	03/14/18	6		**420**	**230**	**950**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-12	08/09/17	5		**76**	**100**	**420**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	03/14/18			**5.5**	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-13	08/09/17	5		**2,440**	**1,800**	**7,400**	**1.6**	**5.0**	<0.13	<0.50	**0.22**	**0.95**	**0.28**	**1.2**	**1.7**	**7.4**	<0.55	<2.0
	09/07/17			**2,870**	**1,800**	**7,400**	**5.9**	**19.0**	<0.13	<0.50	**1.8**	**7.9**	**1.5**	**6.4**	**6.4**	**28**	<0.55	<2.0
	03/14/18			**2,000**	**7,300**	**30,000**	**9.1**	**29**	<0.13	<0.50	**0.64**	**2.8**	**0.46**	**2.0**	**1.8**	**7.6**	<0.55	<2.0
RW-14	03/14/18	6		**1,235**	**950**	**3,900**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0

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-18	08/09/17	5	8015 & 8260B	**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
RW-29	08/09/17	5		**620**	**640**	**2,600**	**0.16**	**0.52**	<0.13	<0.50	**0.17**	**0.75**	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	09/07/17			**1,123**	**930**	**3,800**	**0.17**	**0.54**	<0.13	<0.50	**0.13**	**0.56**	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/18	4		**2,563**	**780**	**3,200**	<0.78	<2.5	<0.66	<2.5	<0.58	<2.5	<0.58	<2.5	<1.2	<5.0	<2.8	<10
RW-30	08/09/17	5		**6,550**	**12,000**	**50,000**	**0.85**	**2.7**	<0.13	<0.50	**17**	**72**	<0.12	<0.50	**0.81**	**3.5**	<0.55	<2.0
	09/07/17			**8,240**	**3,200**	**13,000**	<0.16	<0.50	<0.13	<0.50	**6.9**	**30**	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/18	4		**32**	**13**	**54**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-31	08/09/17	5		**7,165**	**6,800**	**28,000**	**1.2**	**3.9**	**0.20**	**0.76**	**3.2**	**14**	**1.6**	**7.1**	**3.7**	**16**	<0.55	<2.0
	09/07/17			**3,400**	**2,900**	**12,000**	**0.4**	**1.4**	<0.13	<0.50	**3.0**	**13**	**1.1**	**4.9**	**2.3**	**10**	<0.55	<2.0
	06/27/18	4		**80**	**12**	**51**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-32	08/16/17	5		**820**	**880**	**3,600**	<0.16	<0.50	<0.13	<0.50	**0.78**	**3.4**	<0.12	<0.50	**0.28**	**1.2**	<0.55	<2.0
	09/07/17			**715**	**810**	**3,300**	**0.17**	**0.54**	<0.13	<0.50	**0.55**	**2.4**	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/18	4		**421**	**66**	**270**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-33	08/16/17	5		**1,230**	**860**	**3,500**	<0.16	<0.50	<0.13	<0.50	**0.44**	**1.9**	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	09/07/17			**836**	**640**	**2,600**	<0.16	<0.50	<0.13	<0.50	**0.35**	**1.5**	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/18	4		**843**	**210**	**840**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-34	06/27/18	4		**46**	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-35	06/27/18	4		**416**	**83**	**340**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-36	06/27/18	4		**452**	**440**	**1,800**	<0.78	<2.5	<0.66	<2.5	<0.58	<2.5	<0.58	<2.5	<1.2	<5.0	<2.8	<10
RW-37	06/27/18	4		**1,509**	**210**	**850**	<0.31	<1.0	<0.27	<1.0	<0.23	<1.0	<0.23	<1.0	<0.46	<2.0	<1.1	<4.0
RW-38	06/27/18	4		**134**	**24**	**100**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0

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-39	06/27/18	4	8015 & 8260B	**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 - October

DFSP Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	Cumulative Blower Runtime (hours)	Blower Discharge Pressure (psig)	Blower Discharge Temperature (°F)	HE Outlet Temperature (°F)	Main Header Pressure (psig)	Sparge Total Flow-dP (in WC)	Sparge Total Pressure (psig)	Sparge Total Temperature (°F)
10/01/20	*		9796.9	--	--	--	--	--	--	--
10/02/20	*		9820.9	--	--	--	--	--	--	--
10/03/20	*		9844.8	--	--	--	--	--	--	--
10/04/20	*		9868.7	--	--	--	--	--	--	--
10/05/20	Technician	1	9892.6	10	--	104	8	6.5	6	90
10/06/20	Offline		9892.6	--	--	--	--	--	--	--
10/07/20	Offline		9892.6	--	--	--	--	--	--	--
10/08/20	Offline		9892.6	--	--	--	--	--	--	--
10/09/20	Offline		9892.6	--	--	--	--	--	--	--
10/10/20	Offline		9892.6	--	--	--	--	--	--	--
10/11/20	Offline		9892.6	--	--	--	--	--	--	--
10/12/20	Offline		9892.6	--	--	--	--	--	--	--
10/13/20	Offline		9892.6	--	--	--	--	--	--	--
10/14/20	Offline		9892.6	--	--	--	--	--	--	--
10/15/20	Offline		9892.6	--	--	--	--	--	--	--
10/16/20	Offline		9892.6	--	--	--	--	--	--	--
10/17/20	Offline		9892.6	--	--	--	--	--	--	--
10/18/20	Offline		9892.6	--	--	--	--	--	--	--
10/19/20	Offline		9892.6	--	--	--	--	--	--	--
10/20/20	Offline		9892.6	--	--	--	--	--	--	--
10/21/20	Offline		9892.6	--	--	--	--	--	--	--
10/22/20	Offline		9892.6	--	--	--	--	--	--	--
10/23/20	Offline		9892.6	--	--	--	--	--	--	--
10/24/20	Offline		9892.6	--	--	--	--	--	--	--
10/25/20	Offline		9892.6	--	--	--	--	--	--	--
10/26/20	Offline		9892.6	--	--	--	--	--	--	--
10/27/20	Offline		9892.6	--	--	--	--	--	--	--
10/28/20	Offline		9892.6	--	--	--	--	--	--	--
10/29/20	Offline		9892.6	--	--	--	--	--	--	--
10/30/20	Offline		9892.6	--	--	--	--	--	--	--
10/31/20	Offline		9892.6	--	--	--	--	--	--	--

Legend / Notes:

System operating under SCAQMD Various Locations Permit #G52288

1 = VES manually shut down for groundwater sampling event.

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

Central Area - (TFB-15, -16, 17, -18, -19, -22, -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-19, -20, RW-21, -23, -26), (BSP-17, -18, RW-30, -31, -32, -34), (BSP-15, -16, RW-19, -20, -25, -28), (RW-22, -24, -27, -29, -33, -43), (RW-35, -38, -39, -40), (RW-36, -37, -41, -42, -46), (RW-47, -48, -49, -50).

psig = pounds per square inch

in. WC = inches of water column

°F = Degrees Fahrenheit

NA = Not available

HE = Heat Exchanger

-- = Not applicable or not measured

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

TABLE 11B

Biosparge System Operations Summary - November

DFSP Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	Cumulative Blower Runtime (hours)	Blower Discharge Pressure (psig)	Blower Discharge Temperature (°F)	HE Outlet Temperature (°F)	Main Header Pressure (psig)	Sparge Total Flow (in WC)	Sparge Total Pressure (psig)	Sparge Total Temperature (°F)
11/01/20	Offline		9892.6	--	--	--	--	--	--	--
11/02/20	Offline		9892.6	--	--	--	--	--	--	--
11/03/20	Offline		9892.6	--	--	--	--	--	--	--
11/04/20	Offline		9892.6	--	--	--	--	--	--	--
11/05/20	Offline		9892.6	--	--	--	--	--	--	--
11/06/20	Technician	1	9912.0	8	220	96	6	7.1	6.0	88
11/07/20	*		9936.2	--	--	--	--	--	--	--
11/08/20	*		9960.4	--	--	--	--	--	--	--
11/09/20	*		9984.6	--	--	--	--	--	--	--
11/10/20	*		10008.8	--	--	--	--	--	--	--
11/11/20	*		10033.0	--	--	--	--	--	--	--
11/12/20	*		10057.2	--	--	--	--	--	--	--
11/13/20	Technician		10081.4	8	210	90	8	6.5	6.5	85
11/14/20	*		10105.3	--	--	--	--	--	--	--
11/15/20	*		10129.2	--	--	--	--	--	--	--
11/16/20	*		10153.2	--	--	--	--	--	--	--
11/17/20	*		10177.1	--	--	--	--	--	--	--
11/18/20	Technician		10201.0	9	205	92	6	6.0	5.5	85
11/19/20	*		10225.1	--	--	--	--	--	--	--
11/20/20	*		10249.3	--	--	--	--	--	--	--
11/21/20	*		10273.4	--	--	--	--	--	--	--
11/22/20	*		10297.5	--	--	--	--	--	--	--
11/23/20	*		10321.6	--	--	--	--	--	--	--
11/24/20	*		10345.8	--	--	--	--	--	--	--
11/25/20	*		10369.9	--	--	--	--	--	--	--
11/26/20	*		10394.0	--	--	--	--	--	--	--
11/27/20	*		10418.2	--	--	--	--	--	--	--
11/28/20	*		10442.3	--	--	--	--	--	--	--
11/29/20	*		10466.4	--	--	--	--	--	--	--
11/30/20	*		10490.5	--	--	--	--	--	--	--

Legend / Notes:

System operating under SCAQMD Various Locations Permit #G52288

1 = VES restarted.

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

Central Area - (TFB-15, -16, 17, -18, -19, -25), (TFB-20, -23, -24, -30, -33), (TFB-32, -35, -36, -37, -38), (TFB-7, -9, -10, -11, -12, -13, -14), (TFB-21, -26, -27, -28, -31, -34), (BSP-25, -26, -28, -29, -30), (BSP-21, -22, -23, -24, -27), (TFB-1, -2, -4, -5, -6, -8).Eastern Area- (RW-1, -6, -15, -16, -17), (BSP-10, -11, RW-2, -7, -11), (BSP-12, -13, RW-3, -8, -12, -18), (BSP-14, RW-4, -5, -9, -10, -13, -14); Southern Area - (BSP-19, -20, RW-21, -23, -26), (BSP-17, -18, RW-30, -31, -32, -34), (BSP-15, -16, RW-19, -20, -25, -28), (RW-22, -24, -27, -29, -33, -43), (RW-35, -38, -39, -40), (RW-36, -37, -41, -42, -46), (RW-47, -48, -49, -50).

psig = pounds per square inch

in. WC = inches of water column

°F = Degrees Fahrenheit

NA = Not available

HE = Heat Exchanger

-- = Not applicable or not measured

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

TABLE 11C

Biosparge System Operations Summary - December

DFSP Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	Cumulative Blower Runtime (hours)	Blower Discharge Pressure (psig)	Blower Discharge Temperature (°F)	HE Outlet Temperature (°F)	Main Header Pressure (psig)	Sparge Total Flow (in WC)	Sparge Total Pressure (psig)	Sparge Total Temperature (°F)
12/01/20	*		10514.7	--	--	--	--	--	--	--
12/02/20	Technician		10538.8	8	215	105	7	6.5	6	95
12/03/20	*		10562.3	--	--	--	--	--	--	--
12/04/20	*		10585.8	--	--	--	--	--	--	--
12/05/20	*		10609.2	--	--	--	--	--	--	--
12/06/20	*		10632.7	--	--	--	--	--	--	--
12/07/20	Technician		10656.2	10	185	80	9	5.5	7	78
12/08/20	*		10657.8	--	--	--	--	--	--	--
12/09/20	*		10659.3	--	--	--	--	--	--	--
12/10/20	*		10660.9	--	--	--	--	--	--	--
12/11/20	*		10662.5	--	--	--	--	--	--	--
12/12/20	*		10664.0	--	--	--	--	--	--	--
12/13/20	*		10665.6	--	--	--	--	--	--	--
12/14/20	*		10667.1	--	--	--	--	--	--	--
12/15/20	*		10668.7	--	--	--	--	--	--	--
12/16/20	*		10670.3	--	--	--	--	--	--	--
12/17/20	*		10671.8	--	--	--	--	--	--	--
12/18/20	*		10673.4	--	--	--	--	--	--	--
12/19/20	*		10675.0	--	--	--	--	--	--	--
12/20/20	*		10676.5	--	--	--	--	--	--	--
12/21/20	*		10678.1	--	--	--	--	--	--	--
12/22/20	*		10679.7	--	--	--	--	--	--	--
12/23/20	*		10681.2	--	--	--	--	--	--	--
12/24/20	*		10682.8	--	--	--	--	--	--	--
12/25/20	*		10684.3	--	--	--	--	--	--	--
12/26/20	*		10685.9	--	--	--	--	--	--	--
12/27/20	*		10687.5	--	--	--	--	--	--	--
12/28/20	*		10689.0	--	--	--	--	--	--	--
12/29/20	*		10690.6	--	--	--	--	--	--	--
12/30/20	*		10692.2	--	--	--	--	--	--	--
12/31/20	*		10693.7	--	--	--	--	--	--	--

Legend / Notes:

System operating under SCAQMD Various Locations Permit #G52288

Biosparge wells on line this month (grouped by location):
Central Area - (TFB-15, -16, 17, -18, -19, -25), (TFB-20, -23, -24, -30, -33), (TFB-32, -35, -36, -37, -38), (TFB-7, -9, -10, -11, -12, -13, -14), (TFB-21, -26, -27, -28, -31, -34), (BSP-25, -26, -28, -29, -30), (BSP-21, -22, -23, -24, -27), (TFB-1, -2, -4, -5, -6, -8). Eastern Area- (RW-1, -6, -15, -16, -17), (BSP-10, -11, RW-2, -7, -11), (BSP-12, -13, RW-3, -8, -12, -18), (BSP-14, RW-4, -5, -9, -10, -13, -14); Southern Area - (BSP-19, -20, RW-21, -23, -26), (BSP-17, -18, RW-30, -31, -32, -34), (BSP-15, -16, RW-19, -20, -25, -28), (RW-22, -24, -27, -29, -33, -43), (RW-35, -38, -39, -40), (RW-36, -37, -41, -42, -46), (RW-47, -48, -49, -50).

psig = pounds per square inch

in. WC = inches of water column

°F = Degrees Fahrenheit

NA = Not available

HE = Heat Exchanger

-- = Not applicable or not measured

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

APPENDIX A

LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS

AMERICAN ANALYTICS

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

October 12, 2020

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5333770 / 0J05017

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 10/05/20 14:46 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: A5333770
Date Received: 10/05/20
Date Reported: 10/12/20

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
GRO in Vapor as Hexane					
VES Influent	0J05017-01	Vapor	5	10/05/20 13:10	10/05/20 14:46
VES Effluent	0J05017-02	Vapor	5	10/05/20 12:55	10/05/20 14:46
VOCs BTEX/MTBE Vapor GC/MS					
VES Influent	0J05017-01	Vapor	5	10/05/20 13:10	10/05/20 14:46
VES Effluent	0J05017-02	Vapor	5	10/05/20 12:55	10/05/20 14:46
VOCs Gasoline Range Organics Vapor					
VES Influent	0J05017-01	Vapor	5	10/05/20 13:10	10/05/20 14:46
VES Effluent	0J05017-02	Vapor	5	10/05/20 12:55	10/05/20 14:46

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333770
Project No:	04-NDLA-013	**Date Received:**	10/05/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/12/20
Matrix:	Vapor	**Sampled:**	10/05/20
Dilution:	1	**Prepared:**	10/06/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	10/06/20

VES Influent

0J05017-01 (Vapor)

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

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	93.3 %	70-140
Dibromofluoromethane	88.3 %	70-140
Toluene-d8	93.4 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333770
Project No:	04-NDLA-013	**Date Received:**	10/05/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/12/20
Matrix:	Vapor	**Sampled:**	10/05/20
Dilution:	0.5	**Prepared:**	10/06/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	10/06/20

VES Effluent

0J05017-02 (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	94.3 %	70-140
Dibromofluoromethane	105 %	70-140
Toluene-d8	87.9 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333770
Project No:	04-NDLA-013	**Date Received:**	10/05/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/12/20
Matrix:	Vapor	**Sampled:**	10/05/20
Dilution:	1	**Prepared:**	10/06/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	10/07/20

VES Influent

0J05017-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**54**	ug/L	20	**13**	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	82.5 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333770
Project No:	04-NDLA-013	**Date Received:**	10/05/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/12/20
Matrix:	Vapor	**Sampled:**	10/05/20
Dilution:	1	**Prepared:**	10/06/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	10/07/20

VES Effluent

0J05017-02 (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	84.4 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333770
Project No:	04-NDLA-013	**Date Received:**	10/05/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/12/20
Method:	GRO in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	10/05/20	10/05/20	
Date Prepared:	10/06/20	10/06/20	
Date Analyzed:	10/07/20	10/07/20	
AA ID No:	0J05017-01	0J05017-02	
Client ID No:	VES Influent	VES Effluent	
Matrix:	Vapor	Vapor	
Dilution Factor:	1	1	MRL
GRO in Vapor as Hexane (EPA 8015M)			
GRO as Hexane	**9.8**	<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: A5333770
Date Received: 10/05/20
Date Reported: 10/12/20

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 B0J0624 - *** DEFAULT PREP ****										
Blank (B0J0624-BLK1)				Prepared & Analyzed: 10/06/20						
Benzene	<0.50	0.50	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Toluene	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*48.3*		*ug/L*	*50.0*		*96.6*	*70-140*			
Surrogate: Dibromofluoromethane	*50.6*		*ug/L*	*50.0*		*101*	*70-140*			
Surrogate: Toluene-d8	*47.1*		*ug/L*	*50.0*		*94.2*	*70-140*			
LCS (B0J0624-BS1)				Prepared & Analyzed: 10/06/20						
Benzene	**21.4**	0.50	ug/L	20.0		107	75-125			
Ethylbenzene	**19.6**	0.50	ug/L	20.0		98.2	75-125			
Methyl-tert-Butyl Ether (MTBE)	**38.6**	2.0	ug/L	40.0		96.5	75-125			
Toluene	**20.2**	0.50	ug/L	20.0		101	75-125			
o-Xylene	**20.0**	0.50	ug/L	20.0		100	75-125			
m,p-Xylenes	**41.6**	1.0	ug/L	40.0		104	75-125			
Surrogate: 4-Bromofluorobenzene	*47.8*		*ug/L*	*50.0*		*95.6*	*70-140*			
Surrogate: Dibromofluoromethane	*44.5*		*ug/L*	*50.0*		*89.0*	*70-140*			
Surrogate: Toluene-d8	*45.7*		*ug/L*	*50.0*		*91.3*	*70-140*			
LCS Dup (B0J0624-BSD1)				Prepared & Analyzed: 10/06/20						
Benzene	**21.3**	0.50	ug/L	20.0		106	75-125	0.703	30	
Ethylbenzene	**20.6**	0.50	ug/L	20.0		103	75-125	4.58	30	
Methyl-tert-Butyl Ether (MTBE)	**34.4**	2.0	ug/L	40.0		86.0	75-125	11.6	30	
Toluene	**21.5**	0.50	ug/L	20.0		108	75-125	6.43	30	
o-Xylene	**20.1**	0.50	ug/L	20.0		101	75-125	0.449	30	
m,p-Xylenes	**42.7**	1.0	ug/L	40.0		107	75-125	2.75	30	
Surrogate: 4-Bromofluorobenzene	*48.8*		*ug/L*	*50.0*		*97.6*	*70-140*			
Surrogate: Dibromofluoromethane	*46.4*		*ug/L*	*50.0*		*92.9*	*70-140*			
Surrogate: Toluene-d8	*48.3*		*ug/L*	*50.0*		*96.5*	*70-140*			
Duplicate (B0J0624-DUP1)			**Source: 0J05019-01**	Prepared & Analyzed: 10/06/20						

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: A5333770
Date Received: 10/05/20
Date Reported: 10/12/20

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 B0J0624 - *** DEFAULT PREP ****										
Duplicate (B0J0624-DUP1) Continued			**Source: 0J05019-01**	Prepared & Analyzed: 10/06/20						
Benzene	**<0.50**	0.50	ug/L						30	
Ethylbenzene	**<0.50**	0.50	ug/L						30	
Methyl-tert-Butyl Ether (MTBE)	**<2.0**	2.0	ug/L						30	
Toluene	**<0.50**	0.50	ug/L						30	
o-Xylene	**<0.50**	0.50	ug/L						30	
m,p-Xylenes	**<1.0**	1.0	ug/L						30	
Surrogate: 4-Bromofluorobenzene	*48.0*		*ug/L*	*50.0*		*96.0*	*70-140*			
Surrogate: Dibromofluoromethane	*51.2*		*ug/L*	*50.0*		*102*	*70-140*			
Surrogate: Toluene-d8	*47.4*		*ug/L*	*50.0*		*94.8*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B0J0621 - *** DEFAULT PREP ****										
Blank (B0J0621-BLK1)				Prepared: 10/06/20	Analyzed: 10/07/20					
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*39.4*		*ug/L*	*50.0*		*78.8*	*70-130*			
LCS (B0J0621-BS1)				Prepared: 10/06/20	Analyzed: 10/07/20					
Gasoline Range Organics (GRO)	**474**	20	ug/L	500		94.8	75-125			
Surrogate: a,a,a-Trifluorotoluene	*50.4*		*ug/L*	*50.0*		*101*	*70-130*			
LCS Dup (B0J0621-BSD1)				Prepared: 10/06/20	Analyzed: 10/07/20					
Gasoline Range Organics (GRO)	**495**	20	ug/L	500		99.1	75-125	4.43	30	
Surrogate: a,a,a-Trifluorotoluene	*53.1*		*ug/L*	*50.0*		*106*	*70-130*			
Duplicate (B0J0621-DUP1)			**Source: 0J05018-01**	Prepared: 10/06/20	Analyzed: 10/07/20					
Gasoline Range Organics (GRO)	**7090**	200	ug/L		5340			28.2	30	
Surrogate: a,a,a-Trifluorotoluene	*49.9*		*ug/L*	*50.0*		*99.8*	*70-130*			
GRO in Vapor as Hexane - Quality Control										
*Batch B0J0621 - *** DEFAULT PREP ****										
Blank (B0J0621-BLK1)				Prepared: 10/06/20	Analyzed: 10/07/20					
GRO as Hexane	<4.9	4.9	ppmv							
Duplicate (B0J0621-DUP1)			**Source: 0J05018-01**	Prepared: 10/06/20	Analyzed: 10/07/20					

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: A5333770
Date Received: 10/05/20
Date Reported: 10/12/20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
GRO in Vapor as Hexane - Quality Control										
*Batch B0J0621 - *** DEFAULT PREP ****										
Duplicate (B0J0621-DUP1) Continued	**Source: 0J05018-01**			Prepared: 10/06/20		Analyzed: 10/07/20				
GRO as Hexane	**1280**	49	ppmv		971			27.9	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333770
Project No:	04-NDLA-013	**Date Received:**	10/05/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/12/20

Special Notes

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

9765 ETON AVE., CHATSWORTH, CA 91311

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

2130 9

Page 1 of 1

Client:	APEX/The Source Group, Inc.	**Project Name / No.:**	DFSP - Norwalk / 091-NDLA	**Sampler's Name:**	Glenn Andcosko
Project Manager:	Neil Irish	**Site Address:**	15306 Norwalk Blvd	**Sampler's Signature:**	Glenn Andcosko
Phone:	562-597-1055	**City:**	Norwalk	**P.O. No.:**	
Fax:	569-597-1070	**State & Zip:**	CA 90650	**Quote No.:**	

TAT Turnaround Codes **

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

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

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	Total VOCs Gas 8015	Total VOCs Hexane 8015	BTEX/MTBE 8260B								Special Instructions
VES Influent	05C17-01	10-5-20	1310	Air	1	✓	✓	✓								
VES Effluent	-02	"	1255	Air	1	✓	✓	✓								

PRIORITY SH ✓ Hrs Rush Date 10/5/2020 Time 1515 Sign

20 OCT 5

Relinquished by	Date	Time	Received by
Glenn Andcosko	10-5-20	1335	[signature]
[signature]	10-5-20	1446	[signature]

AE772770 / 05C017

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

AMERICAN ANALYTICS

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

October 12, 2020

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5333772 / 0J05019

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 10/05/20 14:46 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: A5333772
Date Received: 10/05/20
Date Reported: 10/12/20

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
GRO in Vapor as Hexane					
VES After GAC-1	0J05019-01	Vapor	5	10/05/20 13:08	10/05/20 14:46
VES After GAC-2	0J05019-02	Vapor	5	10/05/20 13:07	10/05/20 14:46
VOCs BTEX/MTBE Vapor GC/MS					
VES After GAC-1	0J05019-01	Vapor	5	10/05/20 13:08	10/05/20 14:46
VES After GAC-2	0J05019-02	Vapor	5	10/05/20 13:07	10/05/20 14:46
VOCs Gasoline Range Organics Vapor					
VES After GAC-1	0J05019-01	Vapor	5	10/05/20 13:08	10/05/20 14:46
VES After GAC-2	0J05019-02	Vapor	5	10/05/20 13:07	10/05/20 14:46

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333772
Project No:	04-NDLA-013	**Date Received:**	10/05/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/12/20
Matrix:	Vapor	**Sampled:**	10/05/20
Dilution:	1	**Prepared:**	10/06/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	10/06/20

VES After GAC-1

0J05019-01 (Vapor)

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

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	95.6 %	70-140
Dibromofluoromethane	90.7 %	70-140
Toluene-d8	93.8 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333772
Project No:	04-NDLA-013	**Date Received:**	10/05/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/12/20
Matrix:	Vapor	**Sampled:**	10/05/20
Dilution:	1	**Prepared:**	10/06/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	10/06/20

VES After GAC-2

0J05019-02 (Vapor)

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

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	96.3 %	70-140
Dibromofluoromethane	92.1 %	70-140
Toluene-d8	95.9 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333772
Project No:	04-NDLA-013	**Date Received:**	10/05/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/12/20
Matrix:	Vapor	**Sampled:**	10/05/20
Dilution:	1	**Prepared:**	10/06/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	10/07/20

VES After GAC-1

0J05019-01 (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	92.8 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333772
Project No:	04-NDLA-013	**Date Received:**	10/05/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/12/20
Matrix:	Vapor	**Sampled:**	10/05/20
Dilution:	1	**Prepared:**	10/06/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	10/07/20

VES After GAC-2

0J05019-02 (Vapor)

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

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	88.1 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333772
Project No:	04-NDLA-013	**Date Received:**	10/05/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/12/20
Method:	GRO in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	10/05/20	10/05/20	
Date Prepared:	10/06/20	10/06/20	
Date Analyzed:	10/07/20	10/07/20	
AA ID No:	0J05019-01	0J05019-02	
Client ID No:	VES After GAC-1	VES After GAC-2	
Matrix:	Vapor	Vapor	
Dilution Factor:	1	1	MRL
GRO in Vapor as Hexane (EPA 8015M)			
GRO 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: A5333772
Date Received: 10/05/20
Date Reported: 10/12/20

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 B0J0624 - *** DEFAULT PREP ****										
Blank (B0J0624-BLK1)				Prepared & Analyzed: 10/06/20						
Benzene	<0.50	0.50	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Toluene	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*48.3*		*ug/L*	*50.0*		*96.6*	*70-140*			
Surrogate: Dibromofluoromethane	*50.6*		*ug/L*	*50.0*		*101*	*70-140*			
Surrogate: Toluene-d8	*47.1*		*ug/L*	*50.0*		*94.2*	*70-140*			
LCS (B0J0624-BS1)				Prepared & Analyzed: 10/06/20						
Benzene	**21.4**	0.50	ug/L	20.0		107	75-125			
Ethylbenzene	**19.6**	0.50	ug/L	20.0		98.2	75-125			
Methyl-tert-Butyl Ether (MTBE)	**38.6**	2.0	ug/L	40.0		96.5	75-125			
Toluene	**20.2**	0.50	ug/L	20.0		101	75-125			
o-Xylene	**20.0**	0.50	ug/L	20.0		100	75-125			
m,p-Xylenes	**41.6**	1.0	ug/L	40.0		104	75-125			
Surrogate: 4-Bromofluorobenzene	*47.8*		*ug/L*	*50.0*		*95.6*	*70-140*			
Surrogate: Dibromofluoromethane	*44.5*		*ug/L*	*50.0*		*89.0*	*70-140*			
Surrogate: Toluene-d8	*45.7*		*ug/L*	*50.0*		*91.3*	*70-140*			
LCS Dup (B0J0624-BSD1)				Prepared & Analyzed: 10/06/20						
Benzene	**21.3**	0.50	ug/L	20.0		106	75-125	0.703	30	
Ethylbenzene	**20.6**	0.50	ug/L	20.0		103	75-125	4.58	30	
Methyl-tert-Butyl Ether (MTBE)	**34.4**	2.0	ug/L	40.0		86.0	75-125	11.6	30	
Toluene	**21.5**	0.50	ug/L	20.0		108	75-125	6.43	30	
o-Xylene	**20.1**	0.50	ug/L	20.0		101	75-125	0.449	30	
m,p-Xylenes	**42.7**	1.0	ug/L	40.0		107	75-125	2.75	30	
Surrogate: 4-Bromofluorobenzene	*48.8*		*ug/L*	*50.0*		*97.6*	*70-140*			
Surrogate: Dibromofluoromethane	*46.4*		*ug/L*	*50.0*		*92.9*	*70-140*			
Surrogate: Toluene-d8	*48.3*		*ug/L*	*50.0*		*96.5*	*70-140*			
Duplicate (B0J0624-DUP1)			**Source: 0J05019-01**	Prepared & Analyzed: 10/06/20						

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: A5333772
Date Received: 10/05/20
Date Reported: 10/12/20

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 B0J0624 - *** DEFAULT PREP ****										
Duplicate (B0J0624-DUP1) Continued			**Source: 0J05019-01**	Prepared & Analyzed: 10/06/20						
Benzene	**<0.50**	0.50	ug/L		<0.50				30	
Ethylbenzene	**<0.50**	0.50	ug/L		<0.50				30	
Methyl-tert-Butyl Ether (MTBE)	**<2.0**	2.0	ug/L		<2.0				30	
Toluene	**<0.50**	0.50	ug/L		<0.50				30	
o-Xylene	**<0.50**	0.50	ug/L		<0.50				30	
m,p-Xylenes	**<1.0**	1.0	ug/L		<1.0				30	
Surrogate: 4-Bromofluorobenzene	*48.0*		*ug/L*	*50.0*		*96.0*	*70-140*			
Surrogate: Dibromofluoromethane	*51.2*		*ug/L*	*50.0*		*102*	*70-140*			
Surrogate: Toluene-d8	*47.4*		*ug/L*	*50.0*		*94.8*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B0J0621 - *** DEFAULT PREP ****										
Blank (B0J0621-BLK1)				Prepared: 10/06/20	Analyzed: 10/07/20					
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*39.4*		*ug/L*	*50.0*		*78.8*	*70-130*			
LCS (B0J0621-BS1)				Prepared: 10/06/20	Analyzed: 10/07/20					
Gasoline Range Organics (GRO)	**474**	20	ug/L	500		94.8	75-125			
Surrogate: a,a,a-Trifluorotoluene	*50.4*		*ug/L*	*50.0*		*101*	*70-130*			
LCS Dup (B0J0621-BSD1)				Prepared: 10/06/20	Analyzed: 10/07/20					
Gasoline Range Organics (GRO)	**495**	20	ug/L	500		99.1	75-125	4.43	30	
Surrogate: a,a,a-Trifluorotoluene	*53.1*		*ug/L*	*50.0*		*106*	*70-130*			
Duplicate (B0J0621-DUP1)			**Source: 0J05018-01**	Prepared: 10/06/20	Analyzed: 10/07/20					
Gasoline Range Organics (GRO)	**7090**	200	ug/L		5340			28.2	30	
Surrogate: a,a,a-Trifluorotoluene	*49.9*		*ug/L*	*50.0*		*99.8*	*70-130*			
GRO in Vapor as Hexane - Quality Control										
*Batch B0J0621 - *** DEFAULT PREP ****										
Blank (B0J0621-BLK1)				Prepared: 10/06/20	Analyzed: 10/07/20					
GRO as Hexane	<4.9	4.9	ppmv							
Duplicate (B0J0621-DUP1)			**Source: 0J05018-01**	Prepared: 10/06/20	Analyzed: 10/07/20					

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: A5333772
Date Received: 10/05/20
Date Reported: 10/12/20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
GRO in Vapor as Hexane - Quality Control										
*Batch B0J0621 - *** DEFAULT PREP ****										
Duplicate (B0J0621-DUP1) Continued	**Source: 0J05018-01**			Prepared: 10/06/20		Analyzed: 10/07/20				
GRO as Hexane	**1280**	49	ppmv		971			27.9	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333772
Project No:	04-NDLA-013	**Date Received:**	10/05/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/12/20

Special Notes

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

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

21306

Client:	The Source Group, Inc.	**Project Name / No.:**	DFSP - Norwalk / 091-NDLA	**Sampler's Name:**	Glenn Androsko
Project Manager:	Neil Irish	**Site Address:**	15306 Norwalk Blvd	**Sampler's Signature:**	Glenn Androsko
Phone:	562-597-1055	**City:**	Norwalk	**P.O. No.:**	
Fax:	569-597-1070	**State & Zip:**	CA 90650	**Quote No.:**	

TAT Turnaround Codes **

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

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

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	Total VOCs Gas 8015	Total VOCs Hexane 8015	BTEX/MTBE 8260B	Special Instructions
VES After GAC-1	05 C5019-01	10-5-20	1308	Air	1	✓	✓	✓	
VES After GAC-2	-02	"	1307	Air	1	✓	✓	✓	

PRIORITY SH Rush Hrs Date 10/5/20 Time 1315 Sign

'20 OCT 5 14:46

Relinquished by	Date	Time	Received by
Glenn Androsko	10-5-20	1335	[signature]
[signature]	10-5-20	1446	[signature]

A533372 / 05C5019

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

AMERICAN ANALYTICS

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

November 12, 2020

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5333832 / 0K05012

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 11/05/20 14:31 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: A5333832
Date Received: 11/05/20
Date Reported: 11/12/20

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
VES Influent	0K05012-01	Vapor	5	11/05/20 08:50	11/05/20 14:31
VES Effluent	0K05012-02	Vapor	5	11/05/20 08:40	11/05/20 14:31
VOCs Gasoline Range Organics Vapor					
VES Influent	0K05012-01	Vapor	5	11/05/20 08:50	11/05/20 14:31
VES Effluent	0K05012-02	Vapor	5	11/05/20 08:40	11/05/20 14:31
VOCs in Vapor as Hexane					
VES Influent	0K05012-01	Vapor	5	11/05/20 08:50	11/05/20 14:31
VES Effluent	0K05012-02	Vapor	5	11/05/20 08:40	11/05/20 14:31

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333832
Project No:	04-NDLA-013	**Date Received:**	11/05/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/12/20
Matrix:	Vapor	**Sampled:**	11/05/20
Dilution:	1	**Prepared:**	11/06/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	11/06/20

VES Influent

0K05012-01 (Vapor)

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

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	97.4 %	70-140
Dibromofluoromethane	98.9 %	70-140
Toluene-d8	103 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333832
Project No:	04-NDLA-013	**Date Received:**	11/05/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/12/20
Matrix:	Vapor	**Sampled:**	11/05/20
Dilution:	0.5	**Prepared:**	11/06/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	11/06/20

VES Effluent

0K05012-02 (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	97.9 %	70-140
Dibromofluoromethane	97.2 %	70-140
Toluene-d8	104 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333832
Project No:	04-NDLA-013	**Date Received:**	11/05/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/12/20
Matrix:	Vapor	**Sampled:**	11/05/20
Dilution:	1	**Prepared:**	11/05/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	11/05/20

VES Influent

0K05012-01 (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	91.5 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333832
Project No:	04-NDLA-013	**Date Received:**	11/05/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/12/20
Matrix:	Vapor	**Sampled:**	11/05/20
Dilution:	1	**Prepared:**	11/05/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	11/05/20

VES Effluent

0K05012-02 (Vapor)

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

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	99.9 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333832
Project No:	04-NDLA-013	**Date Received:**	11/05/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/12/20
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	11/05/20	11/05/20	
Date Prepared:	11/05/20	11/05/20	
Date Analyzed:	11/05/20	11/05/20	
AA ID No:	0K05012-01	0K05012-02	
Client ID No:	VES Influent	VES Effluent	
Matrix:	Vapor	Vapor	
Dilution Factor:	1	1	MRL
VOCs in Vapor as Hexane (EPA 8015M)			
Total VOCs as Hexane	**25**	<5.7	5.7

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: A5333832
Date Received: 11/05/20
Date Reported: 11/12/20

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 B0K1205 - *** DEFAULT PREP ****										
Blank (B0K1205-BLK1)				Prepared & Analyzed: 11/06/20						
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	*47.7*		*ug/L*	*50.0*		*95.4*	*70-140*			
Surrogate: Dibromofluoromethane	*49.4*		*ug/L*	*50.0*		*98.8*	*70-140*			
Surrogate: Toluene-d8	*53.2*		*ug/L*	*50.0*		*106*	*70-140*			
LCS (B0K1205-BS1)				Prepared & Analyzed: 11/06/20						
Benzene	**16.9**	0.50	ug/L	20.0		84.6	75-125			
Ethylbenzene	**17.0**	0.50	ug/L	20.0		84.9	75-125			
Methyl-tert-Butyl Ether (MTBE)	**34.6**	2.0	ug/L	40.0		86.5	75-125			
Toluene	**17.0**	0.50	ug/L	20.0		85.2	75-125			
o-Xylene	**19.3**	0.50	ug/L	20.0		96.3	75-125			
m,p-Xylenes	**32.9**	1.0	ug/L	40.0		82.3	75-125			
Surrogate: 4-Bromofluorobenzene	*51.2*		*ug/L*	*50.0*		*102*	*70-140*			
Surrogate: Dibromofluoromethane	*49.4*		*ug/L*	*50.0*		*98.8*	*70-140*			
Surrogate: Toluene-d8	*47.5*		*ug/L*	*50.0*		*94.9*	*70-140*			
LCS Dup (B0K1205-BSD1)				Prepared & Analyzed: 11/06/20						
Benzene	**19.4**	0.50	ug/L	20.0		97.0	75-125	13.5	30	
Ethylbenzene	**18.8**	0.50	ug/L	20.0		94.0	75-125	10.2	30	
Methyl-tert-Butyl Ether (MTBE)	**37.8**	2.0	ug/L	40.0		94.4	75-125	8.76	30	
Toluene	**17.8**	0.50	ug/L	20.0		89.2	75-125	4.65	30	
o-Xylene	**16.9**	0.50	ug/L	20.0		84.6	75-125	13.0	30	
m,p-Xylenes	**36.2**	1.0	ug/L	40.0		90.6	75-125	9.57	30	
Surrogate: 4-Bromofluorobenzene	*52.5*		*ug/L*	*50.0*		*105*	*70-140*			
Surrogate: Dibromofluoromethane	*49.2*		*ug/L*	*50.0*		*98.3*	*70-140*			
Surrogate: Toluene-d8	*48.5*		*ug/L*	*50.0*		*96.9*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										

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: A5333832
Date Received: 11/05/20
Date Reported: 11/12/20

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 B0K0513 - *** DEFAULT PREP ****										
Blank (B0K0513-BLK1)				Prepared & Analyzed: 11/05/20						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*45.1*		*ug/L*	*50.0*		*90.1*	*70-130*			
LCS (B0K0513-BS1)				Prepared & Analyzed: 11/05/20						
Gasoline Range Organics (GRO)	**466**	20	ug/L	500		93.3	75-125			
Surrogate: a,a,a-Trifluorotoluene	*49.9*		*ug/L*	*50.0*		*99.8*	*70-130*			
LCS Dup (B0K0513-BSD1)				Prepared & Analyzed: 11/05/20						
Gasoline Range Organics (GRO)	**476**	20	ug/L	500		95.2	75-125	2.00	30	
Surrogate: a,a,a-Trifluorotoluene	*51.4*		*ug/L*	*50.0*		*103*	*70-130*			
Duplicate (B0K0513-DUP1)			**Source: 0K04011-04**	Prepared & Analyzed: 11/05/20						
Gasoline Range Organics (GRO)	**2630**	100	ug/L		2410			8.50	30	
Surrogate: a,a,a-Trifluorotoluene	*46.3*		*ug/L*	*50.0*		*92.7*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B0K0513 - *** DEFAULT PREP ****										
Blank (B0K0513-BLK1)				Prepared & Analyzed: 11/05/20						
Total VOCs as Hexane	<5.7	5.7	ppmv							
Duplicate (B0K0513-DUP1)			**Source: 0K04011-04**	Prepared & Analyzed: 11/05/20						
Total VOCs as Hexane	**474**	28	ppmv		440			7.56	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333832
Project No:	04-NDLA-013	**Date Received:**	11/05/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/12/20

Special Notes

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

21503

9765 ETON AVE., CHATSWORTH, CA 91311

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

Client:	APEX/The Source Group, Inc.	**Project Name / No.:**	DFSP - Norwalk / 091-NDLA	**Sampler's Name:**	Bill Gandhoo
Project Manager:	Neil Irish	**Site Address:**	15306 Norwalk Blvd	**Sampler's Signature:**	[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 Influent	OK05012 -01	11/5/20	0850	Air	1	✓	✓	✓								
VES Effluent	-02	11/5/20	0840	Air	1	✓	✓	✓								

PRIORITY SH Rush Hrs Date 11/5/20 Time 1545

'20 NOV 5

A533832/OK05012

Relinquished by	Date	Time	Received by
Bill [signature]	11/5/20	1300	[signature]
[signature]	11/5/20	1431	[signature]

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

AMERICAN ANALYTICS

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

November 18, 2020

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5333833 / 0K05013

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 11/05/20 14:31 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: A5333833
Date Received: 11/05/20
Date Reported: 11/18/20

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
VES After GAC-1	0K05013-01	Vapor	5	11/05/20 09:00	11/05/20 14:31
VES After GAC-2	0K05013-02	Vapor	5	11/05/20 09:10	11/05/20 14:31
VOCs Gasoline Range Organics Vapor					
VES After GAC-1	0K05013-01	Vapor	5	11/05/20 09:00	11/05/20 14:31
VES After GAC-2	0K05013-02	Vapor	5	11/05/20 09:10	11/05/20 14:31
VOCs in Vapor as Hexane					
VES After GAC-1	0K05013-01	Vapor	5	11/05/20 09:00	11/05/20 14:31
VES After GAC-2	0K05013-02	Vapor	5	11/05/20 09:10	11/05/20 14:31

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333833
Project No:	04-NDLA-013	**Date Received:**	11/05/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/18/20
Matrix:	Vapor	**Sampled:**	11/05/20
Dilution:	1	**Prepared:**	11/06/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	11/06/20

VES After GAC-1

0K05013-01 (Vapor)

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

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333833
Project No:	04-NDLA-013	**Date Received:**	11/05/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/18/20
Matrix:	Vapor	**Sampled:**	11/05/20
Dilution:	1	**Prepared:**	11/06/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	11/06/20

VES After GAC-2

0K05013-02 (Vapor)

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

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	111 %	70-140
Dibromofluoromethane	97.8 %	70-140
Toluene-d8	108 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333833
Project No:	04-NDLA-013	**Date Received:**	11/05/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/18/20
Matrix:	Vapor	**Sampled:**	11/05/20
Dilution:	1	**Prepared:**	11/05/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	11/05/20

VES After GAC-1

0K05013-01 (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	96.0 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333833
Project No:	04-NDLA-013	**Date Received:**	11/05/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/18/20
Matrix:	Vapor	**Sampled:**	11/05/20
Dilution:	1	**Prepared:**	11/05/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	11/05/20

VES After GAC-2

0K05013-02 (Vapor)

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

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333833
Project No:	04-NDLA-013	**Date Received:**	11/05/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/18/20
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	11/05/20	11/05/20	
Date Prepared:	11/05/20	11/05/20	
Date Analyzed:	11/05/20	11/05/20	
AA ID No:	0K05013-01	0K05013-02	
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: A5333833
Date Received: 11/05/20
Date Reported: 11/18/20

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 B0K1206 - *** DEFAULT PREP ****										
Blank (B0K1206-BLK1)				Prepared & Analyzed: 11/06/20						
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	*57.0*		*ug/L*	*50.0*		*114*	*70-140*			
Surrogate: Dibromofluoromethane	*48.6*		*ug/L*	*50.0*		*97.2*	*70-140*			
Surrogate: Toluene-d8	*56.4*		*ug/L*	*50.0*		*113*	*70-140*			
LCS (B0K1206-BS1)				Prepared & Analyzed: 11/06/20						
Benzene	**16.7**	0.50	ug/L	20.0		83.3	75-125			
Ethylbenzene	**16.0**	0.50	ug/L	20.0		80.2	75-125			
Methyl-tert-Butyl Ether (MTBE)	**32.8**	2.0	ug/L	40.0		82.0	75-125			
Toluene	**16.5**	0.50	ug/L	20.0		82.4	75-125			
o-Xylene	**16.5**	0.50	ug/L	20.0		82.4	75-125			
m,p-Xylenes	**32.4**	1.0	ug/L	40.0		80.9	75-125			
Surrogate: 4-Bromofluorobenzene	*50.6*		*ug/L*	*50.0*		*101*	*70-140*			
Surrogate: Dibromofluoromethane	*50.1*		*ug/L*	*50.0*		*100*	*70-140*			
Surrogate: Toluene-d8	*51.3*		*ug/L*	*50.0*		*103*	*70-140*			
LCS Dup (B0K1206-BSD1)				Prepared & Analyzed: 11/06/20						
Benzene	**16.8**	0.50	ug/L	20.0		84.2	75-125	1.02	30	
Ethylbenzene	**18.3**	0.50	ug/L	20.0		91.4	75-125	13.0	30	
Methyl-tert-Butyl Ether (MTBE)	**35.7**	2.0	ug/L	40.0		89.2	75-125	8.39	30	
Toluene	**18.2**	0.50	ug/L	20.0		90.8	75-125	9.69	30	
o-Xylene	**18.8**	0.50	ug/L	20.0		94.0	75-125	13.0	30	
m,p-Xylenes	**37.6**	1.0	ug/L	40.0		94.0	75-125	15.0	30	
Surrogate: 4-Bromofluorobenzene	*48.6*		*ug/L*	*50.0*		*97.1*	*70-140*			
Surrogate: Dibromofluoromethane	*48.9*		*ug/L*	*50.0*		*97.8*	*70-140*			
Surrogate: Toluene-d8	*51.0*		*ug/L*	*50.0*		*102*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										

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: A5333833
Date Received: 11/05/20
Date Reported: 11/18/20

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 B0K0513 - *** DEFAULT PREP ****										
Blank (B0K0513-BLK1)				Prepared & Analyzed: 11/05/20						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*45.1*		*ug/L*	*50.0*		*90.1*	*70-130*			
LCS (B0K0513-BS1)				Prepared & Analyzed: 11/05/20						
Gasoline Range Organics (GRO)	**466**	20	ug/L	500		93.3	75-125			
Surrogate: a,a,a-Trifluorotoluene	*49.9*		*ug/L*	*50.0*		*99.8*	*70-130*			
LCS Dup (B0K0513-BSD1)				Prepared & Analyzed: 11/05/20						
Gasoline Range Organics (GRO)	**476**	20	ug/L	500		95.2	75-125	2.00	30	
Surrogate: a,a,a-Trifluorotoluene	*51.4*		*ug/L*	*50.0*		*103*	*70-130*			
Duplicate (B0K0513-DUP1)		**Source: 0K04011-04**		Prepared & Analyzed: 11/05/20						
Gasoline Range Organics (GRO)	**2630**	100	ug/L		2410			8.50	30	
Surrogate: a,a,a-Trifluorotoluene	*46.3*		*ug/L*	*50.0*		*92.7*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B0K0513 - *** DEFAULT PREP ****										
Blank (B0K0513-BLK1)				Prepared & Analyzed: 11/05/20						
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B0K0513-DUP1)		**Source: 0K04011-04**		Prepared & Analyzed: 11/05/20						
Total VOCs as Hexane	**474**	24	ppmv		440			7.56	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333833
Project No:	04-NDLA-013	**Date Received:**	11/05/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/18/20

Special Notes

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

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

21504

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:**	[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	0K05013 -01	11/5/20	0900	Air	1	✓	✓	✓							
VES After GAC-2	-02	11/5/20	0910	Air	1	✓	✓	✓							

PRIORITY ✓ SH
Rush Hrs 15 Sign
Date 11/5/20

20 NOV 5

A5333833/0K05013

Relinquished by	Date	Time	Received by
Bill Gendron	11/5/20	1300	[signature]
[signature]	11/5/20	1431	[signature]

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

BAE

AMERICAN ANALYTICS

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

December 04, 2020

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5333863 / 0L01011

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 12/01/20 11:57 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: A5333863
Date Received: 12/01/20
Date Reported: 12/04/20

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
VES Influent	0L01011-01	Vapor	2	11/30/20 15:02	12/01/20 11:57
VES After GAC-1	0L01011-02	Vapor	2	11/30/20 15:00	12/01/20 11:57
VES After GAC-2	0L01011-03	Vapor	2	11/30/20 14:57	12/01/20 11:57
VOCs Gasoline Range Organics Vapor					
VES Influent	0L01011-01	Vapor	2	11/30/20 15:02	12/01/20 11:57
VES After GAC-1	0L01011-02	Vapor	2	11/30/20 15:00	12/01/20 11:57
VES After GAC-2	0L01011-03	Vapor	2	11/30/20 14:57	12/01/20 11:57
VOCs in Vapor as Hexane					
VES Influent	0L01011-01	Vapor	2	11/30/20 15:02	12/01/20 11:57
VES After GAC-1	0L01011-02	Vapor	2	11/30/20 15:00	12/01/20 11:57
VES After GAC-2	0L01011-03	Vapor	2	11/30/20 14:57	12/01/20 11:57

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333863
Project No:	04-NDLA-013	**Date Received:**	12/01/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	12/04/20
Matrix:	Vapor	**Sampled:**	11/30/20
Dilution:	1	**Prepared:**	12/02/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	12/02/20

VES Influent

0L01011-01 (Vapor)

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

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	105 %	70-140
Dibromofluoromethane	122 %	70-140
Toluene-d8	111 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333863
Project No:	04-NDLA-013	**Date Received:**	12/01/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	12/04/20
Matrix:	Vapor	**Sampled:**	11/30/20
Dilution:	1	**Prepared:**	12/02/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	12/02/20

VES After GAC-1

0L01011-02 (Vapor)

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

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	103 %	70-140
Dibromofluoromethane	117 %	70-140
Toluene-d8	106 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333863
Project No:	04-NDLA-013	**Date Received:**	12/01/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	12/04/20
Matrix:	Vapor	**Sampled:**	11/30/20
Dilution:	1	**Prepared:**	12/02/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	12/02/20

VES After GAC-2

0L01011-03 (Vapor)

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

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	105 %	70-140
Dibromofluoromethane	121 %	70-140
Toluene-d8	109 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333863
Project No:	04-NDLA-013	**Date Received:**	12/01/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	12/04/20
Matrix:	Vapor	**Sampled:**	11/30/20
Dilution:	1	**Prepared:**	12/02/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	12/02/20

VES Influent

0L01011-01 (Vapor)

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

Surrogates	**%REC**	**%REC Limits**
a,a,a-Trifluorotoluene	87.1 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333863
Project No:	04-NDLA-013	**Date Received:**	12/01/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	12/04/20
Matrix:	Vapor	**Sampled:**	11/30/20
Dilution:	1	**Prepared:**	12/02/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	12/02/20

VES After GAC-1

0L01011-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**50**	ug/L	20	**12**	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	89.9 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333863
Project No:	04-NDLA-013	**Date Received:**	12/01/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	12/04/20
Matrix:	Vapor	**Sampled:**	11/30/20
Dilution:	1	**Prepared:**	12/02/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	12/02/20

VES After GAC-2

0L01011-03 (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	82.8 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk VES AQMD
Method: VOCs in Vapor as Hexane

AA Project No: A5333863
Date Received: 12/01/20
Date Reported: 12/04/20
Units: ppmv

Date Sampled:	11/30/20	11/30/20	11/30/20	
Date Prepared:	12/02/20	12/02/20	12/02/20	
Date Analyzed:	12/02/20	12/02/20	12/02/20	
AA ID No:	0L01011-01	0L01011-02	0L01011-03	
Client ID No:	VES Influent	VES After GAC-1	VES After GAC-2	
Matrix:	Vapor	Vapor	Vapor	
Dilution Factor:	1	1	1	MRL
VOCs in Vapor as Hexane (EPA 8015M)				
Total VOCs as Hexane	**22**	**9.2**	<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: A5333863
Date Received: 12/01/20
Date Reported: 12/04/20

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 B0L0217 - *** DEFAULT PREP ****										
Blank (B0L0217-BLK1)				Prepared & Analyzed: 12/02/20						
Benzene	<0.50	0.50	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Toluene	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*52.3*		*ug/L*	*50.0*		*105*	*70-140*			
Surrogate: Dibromofluoromethane	*58.2*		*ug/L*	*50.0*		*116*	*70-140*			
Surrogate: Toluene-d8	*54.3*		*ug/L*	*50.0*		*109*	*70-140*			
LCS (B0L0217-BS1)				Prepared & Analyzed: 12/02/20						
Benzene	**19.3**	0.50	ug/L	20.0		96.4	75-125			
Ethylbenzene	**22.0**	0.50	ug/L	20.0		110	75-125			
Methyl-tert-Butyl Ether (MTBE)	**40.9**	2.0	ug/L	40.0		102	75-125			
Toluene	**21.2**	0.50	ug/L	20.0		106	75-125			
o-Xylene	**22.3**	0.50	ug/L	20.0		111	75-125			
m,p-Xylenes	**44.6**	1.0	ug/L	40.0		112	75-125			
Surrogate: 4-Bromofluorobenzene	*51.9*		*ug/L*	*50.0*		*104*	*70-140*			
Surrogate: Dibromofluoromethane	*55.2*		*ug/L*	*50.0*		*110*	*70-140*			
Surrogate: Toluene-d8	*55.2*		*ug/L*	*50.0*		*110*	*70-140*			
LCS Dup (B0L0217-BSD1)				Prepared: 12/02/20 Analyzed: 12/03/20						
Benzene	**22.2**	0.50	ug/L	20.0		111	75-125	13.9	30	
Ethylbenzene	**24.7**	0.50	ug/L	20.0		123	75-125	11.3	30	
Methyl-tert-Butyl Ether (MTBE)	**43.4**	2.0	ug/L	40.0		109	75-125	6.05	30	
Toluene	**23.9**	0.50	ug/L	20.0		119	75-125	11.7	30	
o-Xylene	**24.9**	0.50	ug/L	20.0		125	75-125	11.2	30	
m,p-Xylenes	**49.6**	1.0	ug/L	40.0		124	75-125	10.5	30	
Surrogate: 4-Bromofluorobenzene	*53.9*		*ug/L*	*50.0*		*108*	*70-140*			
Surrogate: Dibromofluoromethane	*55.8*		*ug/L*	*50.0*		*112*	*70-140*			
Surrogate: Toluene-d8	*55.9*		*ug/L*	*50.0*		*112*	*70-140*			
Duplicate (B0L0217-DUP1)			**Source: 0L01011-03**	Prepared & Analyzed: 12/02/20						

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: A5333863
Date Received: 12/01/20
Date Reported: 12/04/20

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 B0L0217 - *** DEFAULT PREP ****										
Duplicate (B0L0217-DUP1) Continued			**Source: 0L01011-03**	Prepared & Analyzed: 12/02/20						
Benzene	**<0.50**	0.50	ug/L		<0.50				30	
Ethylbenzene	**<0.50**	0.50	ug/L		<0.50				30	
Methyl-tert-Butyl Ether (MTBE)	**<2.0**	2.0	ug/L		<2.0				30	
Toluene	**<0.50**	0.50	ug/L		<0.50				30	
o-Xylene	**<0.50**	0.50	ug/L		<0.50				30	
m,p-Xylenes	**<1.0**	1.0	ug/L		<1.0				30	
Surrogate: 4-Bromofluorobenzene	*52.1*		*ug/L*	*50.0*		*104*	*70-140*			
Surrogate: Dibromofluoromethane	*60.9*		*ug/L*	*50.0*		*122*	*70-140*			
Surrogate: Toluene-d8	*55.0*		*ug/L*	*50.0*		*110*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B0L0218 - *** DEFAULT PREP ****										
Blank (B0L0218-BLK1)				Prepared & Analyzed: 12/02/20						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*44.2*		*ug/L*	*50.0*		*88.3*	*70-130*			
LCS (B0L0218-BS1)				Prepared & Analyzed: 12/02/20						
Gasoline Range Organics (GRO)	**441**	20	ug/L	500		88.1	75-125			
Surrogate: a,a,a-Trifluorotoluene	*49.5*		*ug/L*	*50.0*		*99.1*	*70-130*			
LCS Dup (B0L0218-BSD1)				Prepared & Analyzed: 12/02/20						
Gasoline Range Organics (GRO)	**411**	20	ug/L	500		82.2	75-125	6.95	30	
Surrogate: a,a,a-Trifluorotoluene	*46.9*		*ug/L*	*50.0*		*93.9*	*70-130*			
Duplicate (B0L0218-DUP1)			**Source: 0L01011-01**	Prepared & Analyzed: 12/02/20						
Gasoline Range Organics (GRO)	**104**	20	ug/L		122			15.9	30	
Surrogate: a,a,a-Trifluorotoluene	*45.6*		*ug/L*	*50.0*		*91.2*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B0L0218 - *** DEFAULT PREP ****										
Blank (B0L0218-BLK1)				Prepared & Analyzed: 12/02/20						
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B0L0218-DUP1)			**Source: 0L01011-01**	Prepared & Analyzed: 12/02/20						

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: A5333863
Date Received: 12/01/20
Date Reported: 12/04/20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor as Hexane - Quality Control										
*Batch B0L0218 - *** DEFAULT PREP ****										
Duplicate (B0L0218-DUP1) Continued			**Source: 0L01011-01**	Prepared & Analyzed: 12/02/20						
Total VOCs as Hexane	**19.1**	4.9	ppmv		22.3			15.5	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333863
Project No:	04-NDLA-013	**Date Received:**	12/01/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	12/04/20

Special Notes

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

9765 ETON AVE., CHATSWORTH, CA 91311

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

21670

Client:	APEX/The Source Group, Inc.	**Project Name / No.:**	DFSP - Norwalk / 091-NDLA	**Sampler's Name:**	Glenn Andsosko
Project Manager:	Neil Irish	**Site Address:**	15306 Norwalk Blvd	**Sampler's Signature:**	Glenn Andsosko
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 Influent	0L01011-01	11-30-20	1502	Air	1	✓	✓	✓								48 Hr RUSH
VES After GAC-1	-02	↓	1500	Air	1	✓	✓	✓								↓
VES After GAC-2	-03	↓	1457	Air	1	✓	✓	✓								

PRIORITY Rush 48 Hrs Date 12/1/20 Time 1330 Sign SH

For Laboratory Use

A5333863/0L01011

Relinquished by	Date	Time	Received by
Glenn Andsosko	11-30-20	1545	[signature]
[signature]	12/1/20	1157	[signature]

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

AMERICAN ANALYTICS

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

October 12, 2020

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5333771 / 0J05018

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 10/05/20 14:46 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: A5333771
Date Received: 10/05/20
Date Reported: 10/12/20

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
GRO in Vapor as Hexane					
Thermox Influent	0J05018-01	Vapor	5	10/05/20 13:24	10/05/20 14:46
Thermox Effluent	0J05018-02	Vapor	5	10/05/20 13:16	10/05/20 14:46
VOCs BTEX/MTBE Vapor GC/MS					
Thermox Influent	0J05018-01	Vapor	5	10/05/20 13:24	10/05/20 14:46
Thermox Effluent	0J05018-02	Vapor	5	10/05/20 13:16	10/05/20 14:46
VOCs Gasoline Range Organics Vapor					
Thermox Influent	0J05018-01	Vapor	5	10/05/20 13:24	10/05/20 14:46
Thermox Effluent	0J05018-02	Vapor	5	10/05/20 13:16	10/05/20 14:46

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333771
Project No:	04-NDLA-013	**Date Received:**	10/05/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/12/20
Matrix:	Vapor	**Sampled:**	10/05/20
Dilution:	1	**Prepared:**	10/06/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	10/06/20

Thermox Influent

0J05018-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**3.9**	ug/L	0.50	**1.2**	ppmv	0.16
Ethylbenzene	**0.96**	ug/L	0.50	**0.22**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<2.0	ug/L	2.0	<0.55	ppmv	0.55
Toluene	**2.2**	ug/L	0.50	**0.58**	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	95.7 %	70-140
Dibromofluoromethane	93.4 %	70-140
Toluene-d8	91.0 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333771
Project No:	04-NDLA-013	**Date Received:**	10/05/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/12/20
Matrix:	Vapor	**Sampled:**	10/05/20
Dilution:	0.5	**Prepared:**	10/06/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	10/06/20

Thermox Effluent

0J05018-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**0.70**	ug/L	0.50	**0.22**	ppmv	0.16
Ethylbenzene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<1.0	ug/L	2.0	<0.28	ppmv	0.55
Toluene	<0.25	ug/L	0.50	<0.066	ppmv	0.13
o-Xylene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
m,p-Xylenes	<0.50	ug/L	1.0	<0.12	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	93.8 %	70-140
Dibromofluoromethane	95.5 %	70-140
Toluene-d8	91.3 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333771
Project No:	04-NDLA-013	**Date Received:**	10/05/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/12/20
Matrix:	Vapor	**Sampled:**	10/05/20
Dilution:	10	**Prepared:**	10/06/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	10/07/20

Thermox Influent

0J05018-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**5300**	ug/L	20	**1300**	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:**	A5333771
Project No:	04-NDLA-013	**Date Received:**	10/05/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/12/20
Matrix:	Vapor	**Sampled:**	10/05/20
Dilution:	1	**Prepared:**	10/06/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	10/07/20

Thermox Effluent

0J05018-02 (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	91.0 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333771
Project No:	04-NDLA-013	**Date Received:**	10/05/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/12/20
Method:	GRO in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	10/05/20	10/05/20	
Date Prepared:	10/06/20	10/06/20	
Date Analyzed:	10/07/20	10/07/20	
AA ID No:	0J05018-01	0J05018-02	
Client ID No:	Thermox Influent	Thermox Effluent	
Matrix:	Vapor	Vapor	
Dilution Factor:	10	1	MRL
GRO in Vapor as Hexane (EPA 8015M)			
GRO as Hexane	**970**	<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: A5333771
Date Received: 10/05/20
Date Reported: 10/12/20

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 B0J0624 - *** DEFAULT PREP ****										
Blank (B0J0624-BLK1)				Prepared & Analyzed: 10/06/20						
Benzene	<0.50	0.50	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Toluene	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*48.3*		*ug/L*	*50.0*		*96.6*	*70-140*			
Surrogate: Dibromofluoromethane	*50.6*		*ug/L*	*50.0*		*101*	*70-140*			
Surrogate: Toluene-d8	*47.1*		*ug/L*	*50.0*		*94.2*	*70-140*			
LCS (B0J0624-BS1)				Prepared & Analyzed: 10/06/20						
Benzene	**21.4**	0.50	ug/L	20.0		107	75-125			
Ethylbenzene	**19.6**	0.50	ug/L	20.0		98.2	75-125			
Methyl-tert-Butyl Ether (MTBE)	**38.6**	2.0	ug/L	40.0		96.5	75-125			
Toluene	**20.2**	0.50	ug/L	20.0		101	75-125			
o-Xylene	**20.0**	0.50	ug/L	20.0		100	75-125			
m,p-Xylenes	**41.6**	1.0	ug/L	40.0		104	75-125			
Surrogate: 4-Bromofluorobenzene	*47.8*		*ug/L*	*50.0*		*95.6*	*70-140*			
Surrogate: Dibromofluoromethane	*44.5*		*ug/L*	*50.0*		*89.0*	*70-140*			
Surrogate: Toluene-d8	*45.7*		*ug/L*	*50.0*		*91.3*	*70-140*			
LCS Dup (B0J0624-BSD1)				Prepared & Analyzed: 10/06/20						
Benzene	**21.3**	0.50	ug/L	20.0		106	75-125	0.703	30	
Ethylbenzene	**20.6**	0.50	ug/L	20.0		103	75-125	4.58	30	
Methyl-tert-Butyl Ether (MTBE)	**34.4**	2.0	ug/L	40.0		86.0	75-125	11.6	30	
Toluene	**21.5**	0.50	ug/L	20.0		108	75-125	6.43	30	
o-Xylene	**20.1**	0.50	ug/L	20.0		101	75-125	0.449	30	
m,p-Xylenes	**42.7**	1.0	ug/L	40.0		107	75-125	2.75	30	
Surrogate: 4-Bromofluorobenzene	*48.8*		*ug/L*	*50.0*		*97.6*	*70-140*			
Surrogate: Dibromofluoromethane	*46.4*		*ug/L*	*50.0*		*92.9*	*70-140*			
Surrogate: Toluene-d8	*48.3*		*ug/L*	*50.0*		*96.5*	*70-140*			
Duplicate (B0J0624-DUP1)			**Source: 0J05019-01**	Prepared & Analyzed: 10/06/20						

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: A5333771
Date Received: 10/05/20
Date Reported: 10/12/20

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 B0J0624 - *** DEFAULT PREP ****										
Duplicate (B0J0624-DUP1) Continued			**Source: 0J05019-01**	Prepared & Analyzed: 10/06/20						
Benzene	**<0.50**	0.50	ug/L						30	
Ethylbenzene	**<0.50**	0.50	ug/L						30	
Methyl-tert-Butyl Ether (MTBE)	**<2.0**	2.0	ug/L						30	
Toluene	**<0.50**	0.50	ug/L						30	
o-Xylene	**<0.50**	0.50	ug/L						30	
m,p-Xylenes	**<1.0**	1.0	ug/L						30	
Surrogate: 4-Bromofluorobenzene	*48.0*		*ug/L*	*50.0*		*96.0*	*70-140*			
Surrogate: Dibromofluoromethane	*51.2*		*ug/L*	*50.0*		*102*	*70-140*			
Surrogate: Toluene-d8	*47.4*		*ug/L*	*50.0*		*94.8*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B0J0621 - *** DEFAULT PREP ****										
Blank (B0J0621-BLK1)				Prepared: 10/06/20	Analyzed: 10/07/20					
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*39.4*		*ug/L*	*50.0*		*78.8*	*70-130*			
LCS (B0J0621-BS1)				Prepared: 10/06/20	Analyzed: 10/07/20					
Gasoline Range Organics (GRO)	**474**	20	ug/L	500		94.8	75-125			
Surrogate: a,a,a-Trifluorotoluene	*50.4*		*ug/L*	*50.0*		*101*	*70-130*			
LCS Dup (B0J0621-BSD1)				Prepared: 10/06/20	Analyzed: 10/07/20					
Gasoline Range Organics (GRO)	**495**	20	ug/L	500		99.1	75-125	4.43	30	
Surrogate: a,a,a-Trifluorotoluene	*53.1*		*ug/L*	*50.0*		*106*	*70-130*			
Duplicate (B0J0621-DUP1)			**Source: 0J05018-01**	Prepared: 10/06/20	Analyzed: 10/07/20					
Gasoline Range Organics (GRO)	**7090**	200	ug/L		5340			28.2	30	
Surrogate: a,a,a-Trifluorotoluene	*49.9*		*ug/L*	*50.0*		*99.8*	*70-130*			
GRO in Vapor as Hexane - Quality Control										
*Batch B0J0621 - *** DEFAULT PREP ****										
Blank (B0J0621-BLK1)				Prepared: 10/06/20	Analyzed: 10/07/20					
GRO as Hexane	<4.9	4.9	ppmv							
Duplicate (B0J0621-DUP1)			**Source: 0J05018-01**	Prepared: 10/06/20	Analyzed: 10/07/20					

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: A5333771
Date Received: 10/05/20
Date Reported: 10/12/20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
GRO in Vapor as Hexane - Quality Control										
*Batch B0J0621 - *** DEFAULT PREP ****										
Duplicate (B0J0621-DUP1) Continued	**Source: 0J05018-01**			Prepared: 10/06/20		Analyzed: 10/07/20				
GRO as Hexane	**1280**	49	ppmv		971			27.9	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333771
Project No:	04-NDLA-013	**Date Received:**	10/05/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/12/20

Special Notes

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

21305

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

Client:	The Source Group, Inc.	**Project Name / No.:**	DFSP - Norwalk / 091-NDLA	**Sampler's Name:**	Glenn Andrusko
Project Manager:	Neil Irish	**Site Address:**	15306 Norwalk Blvd	**Sampler's Signature:**	Glenn Andrusko
Phone:	562-597-1055	**City:**	Norwalk	**P.O. No.:**	
Fax:	569-597-1070	**State & Zip:**	CA 90650	**Quote No.:**	

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

Please enter the TAT Turnaround Codes ** below

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	Total VOCs Gas 8015	Total VOCs Hexane 8015	BTEX//MTBE 8260B								Special Instructions
Thermox Influent	0J04018-01	10-5-20	1324	Air	1	✓	✓	✓								VOC's reported as
Thermox Effluent	-02	"	1316	Air	1	✓	✓	✓								TPH and Hexane
																Detection limit of 75
																ppm for Hexane
																and 0.15 ppm for
																Benzene

PRIORITY
Rush ___ Hr ___ Sign ___
Date 10/5/20 Time 15:15 Sign ___

20 OCT 5 14:44

A524771 / 0J05018

Relinquished by	Date	Time	Received by
Glenn Andrusko	10-5-20	1333	[signature]
[signature]	10-5-20	1446	[signature]

AMERICAN ANALYTICS

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

November 18, 2020

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5333827 / 0K04010

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 11/04/20 15:00 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: A5333827
Date Received: 11/04/20
Date Reported: 11/18/20

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
Thermox Influent	0K04010-01	Vapor	5	11/04/20 08:55	11/04/20 15:00
Thermox Effluent	0K04010-02	Vapor	5	11/04/20 08:40	11/04/20 15:00
VOCs Gasoline Range Organics Vapor					
Thermox Influent	0K04010-01	Vapor	5	11/04/20 08:55	11/04/20 15:00
Thermox Effluent	0K04010-02	Vapor	5	11/04/20 08:40	11/04/20 15:00
VOCs in Vapor as Hexane					
Thermox Influent	0K04010-01	Vapor	5	11/04/20 08:55	11/04/20 15:00
Thermox Effluent	0K04010-02	Vapor	5	11/04/20 08:40	11/04/20 15:00

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333827
Project No:	04-NDLA-013	**Date Received:**	11/04/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/18/20
Matrix:	Vapor	**Sampled:**	11/04/20
Dilution:	1	**Prepared:**	11/05/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	11/05/20

Thermox Influent

0K04010-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**3.9**	ug/L	0.50	**1.2**	ppmv	0.16
Ethylbenzene	**1.4**	ug/L	0.50	**0.32**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<2.0	ug/L	2.0	<0.55	ppmv	0.55
Toluene	**3.2**	ug/L	0.50	**0.85**	ppmv	0.13
o-Xylene	**1.5**	ug/L	0.50	**0.35**	ppmv	0.12
m,p-Xylenes	**3.5**	ug/L	1.0	**0.81**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	86.0 %	70-140
Dibromofluoromethane	99.7 %	70-140
Toluene-d8	90.7 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333827
Project No:	04-NDLA-013	**Date Received:**	11/04/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/18/20
Matrix:	Vapor	**Sampled:**	11/04/20
Dilution:	0.5	**Prepared:**	11/05/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	11/05/20

Thermox Effluent

0K04010-02 (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	91.5 %	70-140
Dibromofluoromethane	99.8 %	70-140
Toluene-d8	90.5 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333827
Project No:	04-NDLA-013	**Date Received:**	11/04/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/18/20
Matrix:	Vapor	**Sampled:**	11/04/20
Dilution:	10	**Prepared:**	11/05/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	11/05/20

Thermox Influent

0K04010-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**7900**	ug/L	20	**1900**	ppmv	4.9

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333827
Project No:	04-NDLA-013	**Date Received:**	11/04/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/18/20
Matrix:	Vapor	**Sampled:**	11/04/20
Dilution:	1	**Prepared:**	11/05/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	11/05/20

Thermox Effluent

0K04010-02 (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	91.0 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333827
Project No:	04-NDLA-013	**Date Received:**	11/04/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/18/20
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	11/04/20	11/04/20	
Date Prepared:	11/05/20	11/05/20	
Date Analyzed:	11/05/20	11/05/20	
AA ID No:	0K04010-01	0K04010-02	
Client ID No:	Thermox Influent	Thermox Effluent	
Matrix:	Vapor	Vapor	
Dilution Factor:	10	1	MRL
VOCs in Vapor as Hexane (EPA 8015M)			
Total VOCs as Hexane	**1400**	<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: A5333827
Date Received: 11/04/20
Date Reported: 11/18/20

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 B0K0515 - *** DEFAULT PREP ****										
Blank (B0K0515-BLK1)				Prepared & Analyzed: 11/05/20						
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	*46.1*		*ug/L*	*50.0*		*92.2*	*70-140*			
Surrogate: Dibromofluoromethane	*49.0*		*ug/L*	*50.0*		*98.1*	*70-140*			
Surrogate: Toluene-d8	*45.0*		*ug/L*	*50.0*		*90.0*	*70-140*			
LCS (B0K0515-BS1)				Prepared & Analyzed: 11/05/20						
Benzene	**17.3**	0.50	ug/L	20.0		86.4	75-125			
Ethylbenzene	**18.5**	0.50	ug/L	20.0		92.4	75-125			
Methyl-tert-Butyl Ether (MTBE)	**37.0**	2.0	ug/L	40.0		92.5	75-125			
Toluene	**18.7**	0.50	ug/L	20.0		93.6	75-125			
o-Xylene	**19.3**	0.50	ug/L	20.0		96.7	75-125			
m,p-Xylenes	**39.0**	1.0	ug/L	40.0		97.4	75-125			
Surrogate: 4-Bromofluorobenzene	*45.7*		*ug/L*	*50.0*		*91.3*	*70-140*			
Surrogate: Dibromofluoromethane	*45.4*		*ug/L*	*50.0*		*90.8*	*70-140*			
Surrogate: Toluene-d8	*44.9*		*ug/L*	*50.0*		*89.7*	*70-140*			
LCS Dup (B0K0515-BSD1)				Prepared: 11/05/20 Analyzed: 11/06/20						
Benzene	**17.4**	0.50	ug/L	20.0		86.8	75-125	0.520	30	
Ethylbenzene	**18.3**	0.50	ug/L	20.0		91.4	75-125	1.20	30	
Methyl-tert-Butyl Ether (MTBE)	**35.2**	2.0	ug/L	40.0		88.0	75-125	4.90	30	
Toluene	**18.4**	0.50	ug/L	20.0		91.9	75-125	1.89	30	
o-Xylene	**19.1**	0.50	ug/L	20.0		95.5	75-125	1.25	30	
m,p-Xylenes	**37.9**	1.0	ug/L	40.0		94.7	75-125	2.86	30	
Surrogate: 4-Bromofluorobenzene	*45.9*		*ug/L*	*50.0*		*91.8*	*70-140*			
Surrogate: Dibromofluoromethane	*45.9*		*ug/L*	*50.0*		*91.8*	*70-140*			
Surrogate: Toluene-d8	*45.2*		*ug/L*	*50.0*		*90.5*	*70-140*			
Duplicate (B0K0515-DUP1)				**Source: 0K04011-04** Prepared & Analyzed: 11/05/20						

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: A5333827
Date Received: 11/04/20
Date Reported: 11/18/20

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 B0K0515 - *** DEFAULT PREP ****										
Duplicate (B0K0515-DUP1) Continued			**Source: 0K04011-04**	Prepared & Analyzed: 11/05/20						
Benzene	**0.660**	0.50	ug/L		1.05			45.6	30	**
Ethylbenzene	**0.500**	0.50	ug/L		0.850			51.9	30	**
Methyl-tert-Butyl Ether (MTBE)	**<2.0**	2.0	ug/L						30	
Toluene	**<0.50**	0.50	ug/L		0.560				30	
o-Xylene	**<0.50**	0.50	ug/L		0.400				30	
m,p-Xylenes	**<1.0**	1.0	ug/L		0.940				30	
Surrogate: 4-Bromofluorobenzene	*43.3*		*ug/L*	*50.0*		*86.7*	*70-140*			
Surrogate: Dibromofluoromethane	*49.4*		*ug/L*	*50.0*		*98.7*	*70-140*			
Surrogate: Toluene-d8	*46.3*		*ug/L*	*50.0*		*92.7*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B0K0513 - *** DEFAULT PREP ****										
Blank (B0K0513-BLK1)				Prepared & Analyzed: 11/05/20						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*45.1*		*ug/L*	*50.0*		*90.1*	*70-130*			
LCS (B0K0513-BS1)				Prepared & Analyzed: 11/05/20						
Gasoline Range Organics (GRO)	**466**	20	ug/L	500		93.3	75-125			
Surrogate: a,a,a-Trifluorotoluene	*49.9*		*ug/L*	*50.0*		*99.8*	*70-130*			
LCS Dup (B0K0513-BSD1)				Prepared & Analyzed: 11/05/20						
Gasoline Range Organics (GRO)	**476**	20	ug/L	500		95.2	75-125	2.00	30	
Surrogate: a,a,a-Trifluorotoluene	*51.4*		*ug/L*	*50.0*		*103*	*70-130*			
Duplicate (B0K0513-DUP1)			**Source: 0K04011-04**	Prepared & Analyzed: 11/05/20						
Gasoline Range Organics (GRO)	**2630**	100	ug/L		2410			8.50	30	
Surrogate: a,a,a-Trifluorotoluene	*46.3*		*ug/L*	*50.0*		*92.7*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B0K0513 - *** DEFAULT PREP ****										
Blank (B0K0513-BLK1)				Prepared & Analyzed: 11/05/20						
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B0K0513-DUP1)			**Source: 0K04011-04**	Prepared & Analyzed: 11/05/20						

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: A5333827
Date Received: 11/04/20
Date Reported: 11/18/20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor as Hexane - Quality Control										
*Batch B0K0513 - *** DEFAULT PREP ****										
Duplicate (B0K0513-DUP1) Continued	**Source: 0K04011-04**			Prepared & Analyzed: 11/05/20						
Total VOCs as Hexane	**474**	24	ppmv		440			7.56	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333827
Project No:	04-NDLA-013	**Date Received:**	11/04/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/18/20

Special Notes

[1] = ****** : Exceeds RPD limit

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

9765 ETON AVE., CHATSWORTH, CA 91311

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

2M89

Client:	The Source Group, Inc.	**Project Name / No.:**	DFSP - Norwalk / 091-NDLA	**Sampler's Name:**	Bill Gondron
Project Manager:	Neil Irish	**Site Address:**	15306 Norwalk Blvd	**Sampler's Signature:**	Bill [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
Thermox Influent	0K04010 -01	11/4/20	0855	Air	1	✓	✓	✓							VOC's reported as
Thermox Effluent	-02	11/4/20	0840	Air	1	✓	✓	✓							TPH and Hexane
															Detection limit of 75
															ppm for Hexane
															and 0.15 ppm for
															Benzene

PRIORITY SH ✓ Rush Hrs Date 11/4/20 Time 1:40 Initial [initials]

A5333827/0K04010

Relinquished by	Date	Time	Received by
Bill Gondron	11/4/20	1030	[signature] 11:10 AM
[signature]	11/4/20	1500	[signature]

20 NOV 4 15:08

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

AMERICAN ANALYTICS

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

December 20, 2020

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5333869 / 0L07014

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 12/07/20 17:30 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5333869
Date Received: 12/07/20
Date Reported: 12/20/20

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
VES Thermox-Influent	0L07014-01	Vapor	5	12/07/20 09:07	12/07/20 17:30
VES Thermox-Effluent	0L07014-02	Vapor	5	12/07/20 09:01	12/07/20 17:30
VOCs Gasoline Range Organics Vapor					
VES Thermox-Influent	0L07014-01	Vapor	5	12/07/20 09:07	12/07/20 17:30
VES Thermox-Effluent	0L07014-02	Vapor	5	12/07/20 09:01	12/07/20 17:30
VOCs in Vapor as Hexane					
VES Thermox-Influent	0L07014-01	Vapor	5	12/07/20 09:07	12/07/20 17:30
VES Thermox-Effluent	0L07014-02	Vapor	5	12/07/20 09:01	12/07/20 17:30

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333869
Project No:	04-NDLA-013	**Date Received:**	12/07/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	12/20/20
Matrix:	Vapor	**Sampled:**	12/07/20
Dilution:	1	**Prepared:**	12/08/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	12/08/20

VES Thermox-Influent

0L07014-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**3.0**	ug/L	0.50	**0.94**	ppmv	0.16
Ethylbenzene	**1.5**	ug/L	0.50	**0.35**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<2.0	ug/L	2.0	<0.55	ppmv	0.55
Toluene	**2.8**	ug/L	0.50	**0.74**	ppmv	0.13
o-Xylene	**1.6**	ug/L	0.50	**0.37**	ppmv	0.12
m,p-Xylenes	**3.7**	ug/L	1.0	**0.85**	ppmv	0.23

Surrogates	**%REC**	**%REC Limits**
4-Bromofluorobenzene	94.7 %	70-140
Dibromofluoromethane	82.2 %	70-140
Toluene-d8	90.0 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333869
Project No:	04-NDLA-013	**Date Received:**	12/07/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	12/20/20
Matrix:	Vapor	**Sampled:**	12/07/20
Dilution:	0.5	**Prepared:**	12/08/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	12/08/20

VES Thermox-Effluent

0L07014-02 (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	97.2 %	70-140
Dibromofluoromethane	83.7 %	70-140
Toluene-d8	88.3 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333869
Project No:	04-NDLA-013	**Date Received:**	12/07/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	12/20/20
Matrix:	Vapor	**Sampled:**	12/07/20
Dilution:	10	**Prepared:**	12/08/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	12/08/20

VES Thermox-Influent

0L07014-01 (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	104 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333869
Project No:	04-NDLA-013	**Date Received:**	12/07/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	12/20/20
Matrix:	Vapor	**Sampled:**	12/07/20
Dilution:	1	**Prepared:**	12/08/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	12/08/20

VES Thermox-Effluent

0L07014-02 (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	79.6 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333869
Project No:	04-NDLA-013	**Date Received:**	12/07/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	12/20/20
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	12/07/20	12/07/20	
Date Prepared:	12/08/20	12/08/20	
Date Analyzed:	12/08/20	12/08/20	
AA ID No:	0L07014-01	0L07014-02	
Client ID No:	VES Thermox-Influent	VES Thermox-Effluent	
Matrix:	Vapor	Vapor	
Dilution Factor:	10	1	MRL

VOCs in Vapor as Hexane (EPA 8015M)

Total VOCs as Hexane	**1000**	<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: A5333869
Date Received: 12/07/20
Date Reported: 12/20/20

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 B0L0818 - *** DEFAULT PREP ****										
Blank (B0L0818-BLK1)				Prepared & Analyzed: 12/08/20						
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	*48.4*		*ug/L*	*50.0*		*96.9*	*70-140*			
Surrogate: Dibromofluoromethane	*43.0*		*ug/L*	*50.0*		*86.0*	*70-140*			
Surrogate: Toluene-d8	*42.9*		*ug/L*	*50.0*		*85.9*	*70-140*			
LCS (B0L0818-BS1)				Prepared & Analyzed: 12/08/20						
Benzene	**16.6**	0.50	ug/L	20.0		83.1	75-125			
Ethylbenzene	**19.6**	0.50	ug/L	20.0		98.2	75-125			
Methyl-tert-Butyl Ether (MTBE)	**33.3**	2.0	ug/L	40.0		83.2	75-125			
Toluene	**18.5**	0.50	ug/L	20.0		92.4	75-125			
o-Xylene	**18.7**	0.50	ug/L	20.0		93.4	75-125			
m,p-Xylenes	**38.2**	1.0	ug/L	40.0		95.5	75-125			
Surrogate: 4-Bromofluorobenzene	*49.2*		*ug/L*	*50.0*		*98.3*	*70-140*			
Surrogate: Dibromofluoromethane	*37.6*		*ug/L*	*50.0*		*75.3*	*70-140*			
Surrogate: Toluene-d8	*44.3*		*ug/L*	*50.0*		*88.6*	*70-140*			
LCS Dup (B0L0818-BSD1)				Prepared & Analyzed: 12/08/20						
Benzene	**17.1**	0.50	ug/L	20.0		85.4	75-125	2.67	30	
Ethylbenzene	**20.9**	0.50	ug/L	20.0		105	75-125	6.31	30	
Methyl-tert-Butyl Ether (MTBE)	**33.7**	2.0	ug/L	40.0		84.3	75-125	1.37	30	
Toluene	**19.6**	0.50	ug/L	20.0		98.0	75-125	5.94	30	
o-Xylene	**20.1**	0.50	ug/L	20.0		101	75-125	7.58	30	
m,p-Xylenes	**40.8**	1.0	ug/L	40.0		102	75-125	6.51	30	
Surrogate: 4-Bromofluorobenzene	*49.4*		*ug/L*	*50.0*		*98.8*	*70-140*			
Surrogate: Dibromofluoromethane	*37.8*		*ug/L*	*50.0*		*75.6*	*70-140*			
Surrogate: Toluene-d8	*44.9*		*ug/L*	*50.0*		*89.7*	*70-140*			
Duplicate (B0L0818-DUP1)				**Source: 0L07015-01**	Prepared & Analyzed: 12/08/20					

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: A5333869
Date Received: 12/07/20
Date Reported: 12/20/20

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 B0L0818 - *** DEFAULT PREP ****										
Duplicate (B0L0818-DUP1) Continued				**Source: 0L07015-01**		Prepared & Analyzed: 12/08/20				
Benzene	**0.660**	0.50	ug/L		0.720			8.70	30	
Ethylbenzene	**0.960**	0.50	ug/L		1.18			20.6	30	
Methyl-tert-Butyl Ether (MTBE)	**<2.0**	2.0	ug/L						30	
Toluene	**1.15**	0.50	ug/L		1.37			17.5	30	
o-Xylene	**0.860**	0.50	ug/L		1.06			20.8	30	
m,p-Xylenes	**2.38**	1.0	ug/L		3.06			25.0	30	
Surrogate: 4-Bromofluorobenzene	*48.2*		*ug/L*	*50.0*		*96.5*	*70-140*			
Surrogate: Dibromofluoromethane	*41.8*		*ug/L*	*50.0*		*83.6*	*70-140*			
Surrogate: Toluene-d8	*44.9*		*ug/L*	*50.0*		*89.7*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B0L0817 - *** DEFAULT PREP ****										
Blank (B0L0817-BLK1)						Prepared & Analyzed: 12/08/20				
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*41.5*		*ug/L*	*50.0*		*83.1*	*70-130*			
LCS (B0L0817-BS1)						Prepared & Analyzed: 12/08/20				
Gasoline Range Organics (GRO)	**451**	20	ug/L	500		90.2	75-125			
Surrogate: a,a,a-Trifluorotoluene	*48.9*		*ug/L*	*50.0*		*97.9*	*70-130*			
LCS Dup (B0L0817-BSD1)						Prepared & Analyzed: 12/08/20				
Gasoline Range Organics (GRO)	**462**	20	ug/L	500		92.3	75-125	2.32	30	
Surrogate: a,a,a-Trifluorotoluene	*50.7*		*ug/L*	*50.0*		*101*	*70-130*			
Duplicate (B0L0817-DUP1)				**Source: 0L07015-01**		Prepared & Analyzed: 12/08/20				
Gasoline Range Organics (GRO)	**3430**	200	ug/L		3980			14.9	30	
Surrogate: a,a,a-Trifluorotoluene	*53.4*		*ug/L*	*50.0*		*107*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B0L0817 - *** DEFAULT PREP ****										
Blank (B0L0817-BLK1)						Prepared & Analyzed: 12/08/20				
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B0L0817-DUP1)				**Source: 0L07015-01**		Prepared & Analyzed: 12/08/20				

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: A5333869
Date Received: 12/07/20
Date Reported: 12/20/20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor as Hexane - Quality Control										
*Batch B0L0817 - *** DEFAULT PREP ****										
Duplicate (B0L0817-DUP1) Continued	**Source: 0L07015-01**			Prepared & Analyzed: 12/08/20						
Total VOCs as Hexane	**632**	49	ppmv		726			13.9	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333869
Project No:	04-NDLA-013	**Date Received:**	12/07/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	12/20/20

Special Notes

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

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

21729

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

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

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	OL07014-01	12-7-20	0907	Air	1	✓	✓	✓							VOC's reported as
VES Thermox-Effluent	-02	〃	0901	Air	1	✓	✓	✓							GRO (detection limit
															= 4.9 ppmv) and
															VOCs as Hexane
															(detection limit =
															4.9 ppmv)
															Benzene (detection
															limit = 0.15 ppmv)

PRIORITY ✓ SH Rush Date 12/8/20 Time Sign

A5333869 / OL07014

Relinquished by	Date	Time	Received by
Glenn Androsko	12-7-20	1:00pm	[signature]
[signature]	12/7/20	5:30pm	[signature]

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

AMERICAN ANALYTICS

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

November 18, 2020

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5333828 / 0K04011

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 11/04/20 15:00 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: A5333828
Date Received: 11/04/20
Date Reported: 11/18/20

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
Trunkline#1(East)	0K04011-01	Vapor	5	11/04/20 09:12	11/04/20 15:00
Trunkline#3(Central S)	0K04011-02	Vapor	5	11/04/20 09:03	11/04/20 15:00
Trunkline#4(Central E)	0K04011-03	Vapor	5	11/04/20 09:07	11/04/20 15:00
Trunkline#5(Central W)	0K04011-04	Vapor	5	11/04/20 08:58	11/04/20 15:00
VOCs Gasoline Range Organics Vapor					
Trunkline#1(East)	0K04011-01	Vapor	5	11/04/20 09:12	11/04/20 15:00
Trunkline#3(Central S)	0K04011-02	Vapor	5	11/04/20 09:03	11/04/20 15:00
Trunkline#4(Central E)	0K04011-03	Vapor	5	11/04/20 09:07	11/04/20 15:00
Trunkline#5(Central W)	0K04011-04	Vapor	5	11/04/20 08:58	11/04/20 15:00
VOCs in Vapor as Hexane					
Trunkline#1(East)	0K04011-01	Vapor	5	11/04/20 09:12	11/04/20 15:00
Trunkline#3(Central S)	0K04011-02	Vapor	5	11/04/20 09:03	11/04/20 15:00
Trunkline#4(Central E)	0K04011-03	Vapor	5	11/04/20 09:07	11/04/20 15:00
Trunkline#5(Central W)	0K04011-04	Vapor	5	11/04/20 08:58	11/04/20 15:00

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333828
Project No:	04-NDLA-013	**Date Received:**	11/04/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/18/20
Matrix:	Vapor	**Sampled:**	11/04/20
Dilution:	1	**Prepared:**	11/05/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	11/05/20

Trunkline#1(East)

0K04011-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**1.1**	ug/L	0.50	**0.34**	ppmv	0.16
Ethylbenzene	**1.2**	ug/L	0.50	**0.28**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<2.0	ug/L	2.0	<0.55	ppmv	0.55
Toluene	**1.7**	ug/L	0.50	**0.45**	ppmv	0.13
o-Xylene	**1.1**	ug/L	0.50	**0.25**	ppmv	0.12
m,p-Xylenes	**3.3**	ug/L	1.0	**0.76**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	87.1 %	70-140
Dibromofluoromethane	99.2 %	70-140
Toluene-d8	90.6 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333828
Project No:	04-NDLA-013	**Date Received:**	11/04/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/18/20
Matrix:	Vapor	**Sampled:**	11/04/20
Dilution:	1	**Prepared:**	11/05/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	11/05/20

Trunkline#3(Central S)

0K04011-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**8.4**	ug/L	0.50	**2.6**	ppmv	0.16
Ethylbenzene	**2.9**	ug/L	0.50	**0.67**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<2.0	ug/L	2.0	<0.55	ppmv	0.55
Toluene	**3.8**	ug/L	0.50	**1.0**	ppmv	0.13
o-Xylene	**4.3**	ug/L	0.50	**0.99**	ppmv	0.12
m,p-Xylenes	**7.6**	ug/L	1.0	**1.8**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	86.5 %	70-140
Dibromofluoromethane	97.0 %	70-140
Toluene-d8	90.3 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333828
Project No:	04-NDLA-013	**Date Received:**	11/04/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/18/20
Matrix:	Vapor	**Sampled:**	11/04/20
Dilution:	1	**Prepared:**	11/05/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	11/05/20

Trunkline#4(Central E)

0K04011-03 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**14**	ug/L	0.50	**4.4**	ppmv	0.16
Ethylbenzene	**6.0**	ug/L	0.50	**1.4**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<2.0	ug/L	2.0	<0.55	ppmv	0.55
Toluene	**17**	ug/L	0.50	**4.5**	ppmv	0.13
o-Xylene	**6.9**	ug/L	0.50	**1.6**	ppmv	0.12
m,p-Xylenes	**17**	ug/L	1.0	**3.9**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	85.0 %	70-140
Dibromofluoromethane	98.9 %	70-140
Toluene-d8	89.5 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333828
Project No:	04-NDLA-013	**Date Received:**	11/04/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/18/20
Matrix:	Vapor	**Sampled:**	11/04/20
Dilution:	1	**Prepared:**	11/05/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	11/05/20

Trunkline#5(Central W)

0K04011-04 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**1.0**	ug/L	0.50	**0.31**	ppmv	0.16
Ethylbenzene	**0.85**	ug/L	0.50	**0.20**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<2.0	ug/L	2.0	<0.55	ppmv	0.55
Toluene	**0.56**	ug/L	0.50	**0.15**	ppmv	0.13
o-Xylene	<0.50	ug/L	0.50	<0.12	ppmv	0.12
m,p-Xylenes	<1.0	ug/L	1.0	<0.23	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	86.3 %	70-140
Dibromofluoromethane	103 %	70-140
Toluene-d8	91.4 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333828
Project No:	04-NDLA-013	**Date Received:**	11/04/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/18/20
Matrix:	Vapor	**Sampled:**	11/04/20
Dilution:	5	**Prepared:**	11/05/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	11/05/20

Trunkline#1(East)

0K04011-01 (Vapor)

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

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	96.9 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333828
Project No:	04-NDLA-013	**Date Received:**	11/04/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/18/20
Matrix:	Vapor	**Sampled:**	11/04/20
Dilution:	20	**Prepared:**	11/05/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	11/05/20

Trunkline#3(Central S)

0K04011-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**32000**	ug/L	20	**7800**	ppmv	4.9

Surrogates	**%REC**	**%REC Limits**
a,a,a-Trifluorotoluene	109 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333828
Project No:	04-NDLA-013	**Date Received:**	11/04/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/18/20
Matrix:	Vapor	**Sampled:**	11/04/20
Dilution:	20	**Prepared:**	11/05/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	11/05/20

Trunkline#4(Central E)

0K04011-03 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**23000**	ug/L	20	**5600**	ppmv	4.9

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333828
Project No:	04-NDLA-013	**Date Received:**	11/04/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/18/20
Matrix:	Vapor	**Sampled:**	11/04/20
Dilution:	5	**Prepared:**	11/05/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	11/05/20

Trunkline#5(Central W)

0K04011-04 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**2400**	ug/L	20	**590**	ppmv	4.9

Surrogates	**%REC**	**%REC Limits**
a,a,a-Trifluorotoluene	86.5 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333828
Project No:	04-NDLA-013	**Date Received:**	11/04/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/18/20
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	11/04/20	11/04/20	11/04/20	11/04/20	
Date Prepared:	11/05/20	11/05/20	11/05/20	11/05/20	
Date Analyzed:	11/05/20	11/05/20	11/05/20	11/05/20	
AA ID No:	0K04011-01	0K04011-02	0K04011-03	0K04011-04	
Client ID No:	Trunkline#1(East)	Trunkline#3(Central S)	Trunkline#4(Central E)	Trunkline#5(Central W)	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	5	20	20	5	MRL
VOCs in Vapor as Hexane (EPA 8015M)					
Total VOCs as Hexane	**520**	**5900**	**4200**	**440**	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: A5333828
Date Received: 11/04/20
Date Reported: 11/18/20

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 B0K0515 - *** DEFAULT PREP ****										
Blank (B0K0515-BLK1)				Prepared & Analyzed: 11/05/20						
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	*46.1*		*ug/L*	*50.0*		*92.2*	*70-140*			
Surrogate: Dibromofluoromethane	*49.0*		*ug/L*	*50.0*		*98.1*	*70-140*			
Surrogate: Toluene-d8	*45.0*		*ug/L*	*50.0*		*90.0*	*70-140*			
LCS (B0K0515-BS1)				Prepared & Analyzed: 11/05/20						
Benzene	**17.3**	0.50	ug/L	20.0		86.4	75-125			
Ethylbenzene	**18.5**	0.50	ug/L	20.0		92.4	75-125			
Methyl-tert-Butyl Ether (MTBE)	**37.0**	2.0	ug/L	40.0		92.5	75-125			
Toluene	**18.7**	0.50	ug/L	20.0		93.6	75-125			
o-Xylene	**19.3**	0.50	ug/L	20.0		96.7	75-125			
m,p-Xylenes	**39.0**	1.0	ug/L	40.0		97.4	75-125			
Surrogate: 4-Bromofluorobenzene	*45.7*		*ug/L*	*50.0*		*91.3*	*70-140*			
Surrogate: Dibromofluoromethane	*45.4*		*ug/L*	*50.0*		*90.8*	*70-140*			
Surrogate: Toluene-d8	*44.9*		*ug/L*	*50.0*		*89.7*	*70-140*			
LCS Dup (B0K0515-BSD1)				Prepared: 11/05/20 Analyzed: 11/06/20						
Benzene	**17.4**	0.50	ug/L	20.0		86.8	75-125	0.520	30	
Ethylbenzene	**18.3**	0.50	ug/L	20.0		91.4	75-125	1.20	30	
Methyl-tert-Butyl Ether (MTBE)	**35.2**	2.0	ug/L	40.0		88.0	75-125	4.90	30	
Toluene	**18.4**	0.50	ug/L	20.0		91.9	75-125	1.89	30	
o-Xylene	**19.1**	0.50	ug/L	20.0		95.5	75-125	1.25	30	
m,p-Xylenes	**37.9**	1.0	ug/L	40.0		94.7	75-125	2.86	30	
Surrogate: 4-Bromofluorobenzene	*45.9*		*ug/L*	*50.0*		*91.8*	*70-140*			
Surrogate: Dibromofluoromethane	*45.9*		*ug/L*	*50.0*		*91.8*	*70-140*			
Surrogate: Toluene-d8	*45.2*		*ug/L*	*50.0*		*90.5*	*70-140*			
Duplicate (B0K0515-DUP1)				**Source: 0K04011-04** Prepared & Analyzed: 11/05/20						

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: A5333828
Date Received: 11/04/20
Date Reported: 11/18/20

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 B0K0515 - *** DEFAULT PREP ****										
Duplicate (B0K0515-DUP1) Continued			**Source: 0K04011-04**	Prepared & Analyzed: 11/05/20						
Benzene	**0.660**	0.50	ug/L		1.05			45.6	30	**
Ethylbenzene	**0.500**	0.50	ug/L		0.850			51.9	30	**
Methyl-tert-Butyl Ether (MTBE)	**<2.0**	2.0	ug/L		<2.0				30	
Toluene	**<0.50**	0.50	ug/L		0.560				30	
o-Xylene	**<0.50**	0.50	ug/L		0.400				30	
m,p-Xylenes	**<1.0**	1.0	ug/L		0.940				30	
Surrogate: 4-Bromofluorobenzene	*43.3*		*ug/L*	*50.0*		*86.7*	*70-140*			
Surrogate: Dibromofluoromethane	*49.4*		*ug/L*	*50.0*		*98.7*	*70-140*			
Surrogate: Toluene-d8	*46.3*		*ug/L*	*50.0*		*92.7*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B0K0513 - *** DEFAULT PREP ****										
Blank (B0K0513-BLK1)				Prepared & Analyzed: 11/05/20						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*45.1*		*ug/L*	*50.0*		*90.1*	*70-130*			
LCS (B0K0513-BS1)				Prepared & Analyzed: 11/05/20						
Gasoline Range Organics (GRO)	**466**	20	ug/L	500		93.3	75-125			
Surrogate: a,a,a-Trifluorotoluene	*49.9*		*ug/L*	*50.0*		*99.8*	*70-130*			
LCS Dup (B0K0513-BSD1)				Prepared & Analyzed: 11/05/20						
Gasoline Range Organics (GRO)	**476**	20	ug/L	500		95.2	75-125	2.00	30	
Surrogate: a,a,a-Trifluorotoluene	*51.4*		*ug/L*	*50.0*		*103*	*70-130*			
Duplicate (B0K0513-DUP1)			**Source: 0K04011-04**	Prepared & Analyzed: 11/05/20						
Gasoline Range Organics (GRO)	**2630**	100	ug/L		2410			8.50	30	
Surrogate: a,a,a-Trifluorotoluene	*46.3*		*ug/L*	*50.0*		*92.7*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B0K0513 - *** DEFAULT PREP ****										
Blank (B0K0513-BLK1)				Prepared & Analyzed: 11/05/20						
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B0K0513-DUP1)			**Source: 0K04011-04**	Prepared & Analyzed: 11/05/20						

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: A5333828
Date Received: 11/04/20
Date Reported: 11/18/20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor as Hexane - Quality Control										
*Batch B0K0513 - *** DEFAULT PREP ****										
Duplicate (B0K0513-DUP1) Continued	**Source: 0K04011-04**			Prepared & Analyzed: 11/05/20						
Total VOCs as Hexane	**474**	24	ppmv		440			7.56	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333828
Project No:	04-NDLA-013	**Date Received:**	11/04/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/18/20

Special Notes

[1] = ****** : Exceeds RPD limit

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

9765 ETON AVE., CHATSWORTH, CA 91311

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

2[illegible]90

Page 1 of 1

Client: The Source Group, Inc. **Project Name / No.:** DFSP - Norwalk / 091-NDLA **Sampler's Name:** Bill [illegible]

Project Manager: Neil Irish **Site Address:** 15306 Norwalk Blvd **Sampler's Signature:** [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)	OK04011 -01	11/4/20	0912	Air	1	✓	✓	✓	VOC's reported as
~~Trunkline#2 (South)~~				~~Air~~	~~1~~	~~✓~~	~~✓~~	~~✓~~	TPH and Hexane
Trunkline#3 (Central S)	-02	11/4/20	0903	Air	1	✓	✓	✓	Detection limit of 75
Trunkline#4 (Central E)	-03	↓	0907	Air	1	✓	✓	✓	ppm for Hexane
Trunkline#5 (Central W)	-04	↓	0858	Air	1	✓	✓	✓	and 0.15 ppm for
									Benzene

PRIORITY
Rush
Date 11/4/20 Time 1545
Sign

A5333828/OK04011

Relinquished by	Date	Time	Received by
[signature]	11/4/20	1030	[signature] 11:10 am
[signature]	11.4.20	1500	[signature]

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

AMERICAN ANALYTICS

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

November 13, 2020

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5333834 / 0K05014

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 11/05/20 14:31 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: A5333834
Date Received: 11/05/20
Date Reported: 11/13/20

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
HW-1	0K05014-01	Vapor	5	11/05/20 10:15	11/05/20 14:31
HW-5	0K05014-02	Vapor	5	11/05/20 10:22	11/05/20 14:31
HW-7	0K05014-03	Vapor	5	11/05/20 10:30	11/05/20 14:31
HW-8	0K05014-04	Vapor	5	11/05/20 10:55	11/05/20 14:31
HW-9	0K05014-05	Vapor	5	11/05/20 11:05	11/05/20 14:31
Trunkline#2	0K05014-06	Vapor	5	11/05/20 09:15	11/05/20 14:31
VOCs Gasoline Range Organics Vapor					
HW-1	0K05014-01	Vapor	5	11/05/20 10:15	11/05/20 14:31
HW-5	0K05014-02	Vapor	5	11/05/20 10:22	11/05/20 14:31
HW-7	0K05014-03	Vapor	5	11/05/20 10:30	11/05/20 14:31
HW-8	0K05014-04	Vapor	5	11/05/20 10:55	11/05/20 14:31
HW-9	0K05014-05	Vapor	5	11/05/20 11:05	11/05/20 14:31
Trunkline#2	0K05014-06	Vapor	5	11/05/20 09:15	11/05/20 14:31
VOCs in Vapor as Hexane					
HW-1	0K05014-01	Vapor	5	11/05/20 10:15	11/05/20 14:31
HW-5	0K05014-02	Vapor	5	11/05/20 10:22	11/05/20 14:31
HW-7	0K05014-03	Vapor	5	11/05/20 10:30	11/05/20 14:31
HW-8	0K05014-04	Vapor	5	11/05/20 10:55	11/05/20 14:31

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: A5333834
Date Received: 11/05/20
Date Reported: 11/13/20

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
HW-9	0K05014-05	Vapor	5	11/05/20 11:05	11/05/20 14:31
Trunkline#2	0K05014-06	Vapor	5	11/05/20 09:15	11/05/20 14:31

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333834
Project No:	04-NDLA-013	**Date Received:**	11/05/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/13/20
Matrix:	Vapor	**Sampled:**	11/05/20
Dilution:	1	**Prepared:**	11/06/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	11/06/20

HW-1

0K05014-01 (Vapor)

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

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	97.9 %	70-140
Dibromofluoromethane	101 %	70-140
Toluene-d8	103 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333834
Project No:	04-NDLA-013	**Date Received:**	11/05/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/13/20
Matrix:	Vapor	**Sampled:**	11/05/20
Dilution:	1	**Prepared:**	11/06/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	11/06/20

HW-5

0K05014-02 (Vapor)

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

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	107 %	70-140
Dibromofluoromethane	99.8 %	70-140
Toluene-d8	108 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333834
Project No:	04-NDLA-013	**Date Received:**	11/05/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/13/20
Matrix:	Vapor	**Sampled:**	11/05/20
Dilution:	1	**Prepared:**	11/06/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	11/06/20

HW-7

0K05014-03 (Vapor)

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

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	95.9 %	70-140
Dibromofluoromethane	100 %	70-140
Toluene-d8	102 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333834
Project No:	04-NDLA-013	**Date Received:**	11/05/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/13/20
Matrix:	Vapor	**Sampled:**	11/05/20
Dilution:	1	**Prepared:**	11/06/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	11/06/20

HW-8

0K05014-04 (Vapor)

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

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	104 %	70-140
Dibromofluoromethane	100 %	70-140
Toluene-d8	108 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333834
Project No:	04-NDLA-013	**Date Received:**	11/05/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/13/20
Matrix:	Vapor	**Sampled:**	11/05/20
Dilution:	1	**Prepared:**	11/06/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	11/06/20

HW-9

0K05014-05 (Vapor)

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

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	101 %	70-140
Dibromofluoromethane	95.6 %	70-140
Toluene-d8	105 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333834
Project No:	04-NDLA-013	**Date Received:**	11/05/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/13/20
Matrix:	Vapor	**Sampled:**	11/05/20
Dilution:	1	**Prepared:**	11/06/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	11/06/20

Trunkline#2

0K05014-06 (Vapor)

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

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	98.6 %	70-140
Dibromofluoromethane	96.0 %	70-140
Toluene-d8	102 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333834
Project No:	04-NDLA-013	**Date Received:**	11/05/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/13/20
Matrix:	Vapor	**Sampled:**	11/05/20
Dilution:	1	**Prepared:**	11/05/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	11/05/20

HW-1

0K05014-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**34**	ug/L	20	**8.3**	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	92.3 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333834
Project No:	04-NDLA-013	**Date Received:**	11/05/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/13/20
Matrix:	Vapor	**Sampled:**	11/05/20
Dilution:	1	**Prepared:**	11/05/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	11/05/20

HW-5

0K05014-02 (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	89.2 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333834
Project No:	04-NDLA-013	**Date Received:**	11/05/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/13/20
Matrix:	Vapor	**Sampled:**	11/05/20
Dilution:	1	**Prepared:**	11/05/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	11/05/20

HW-7

0K05014-03 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**72**	ug/L	20	**18**	ppmv	4.9

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333834
Project No:	04-NDLA-013	**Date Received:**	11/05/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/13/20
Matrix:	Vapor	**Sampled:**	11/05/20
Dilution:	1	**Prepared:**	11/05/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	11/05/20

HW-8

0K05014-04 (Vapor)

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

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	98.4 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333834
Project No:	04-NDLA-013	**Date Received:**	11/05/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/13/20
Matrix:	Vapor	**Sampled:**	11/05/20
Dilution:	1	**Prepared:**	11/05/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	11/05/20

HW-9

0K05014-05 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**1400**	ug/L	20	**340**	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:**	A5333834
Project No:	04-NDLA-013	**Date Received:**	11/05/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/13/20
Matrix:	Vapor	**Sampled:**	11/05/20
Dilution:	1	**Prepared:**	11/06/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	11/06/20

Trunkline#2

0K05014-06 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**1000**	ug/L	20	**240**	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	109 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333834
Project No:	04-NDLA-013	**Date Received:**	11/05/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/13/20
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	11/05/20	11/05/20	11/05/20	11/05/20	
Date Prepared:	11/05/20	11/05/20	11/05/20	11/05/20	
Date Analyzed:	11/05/20	11/05/20	11/05/20	11/05/20	
AA ID No:	0K05014-01	0K05014-02	0K05014-03	0K05014-04	
Client ID No:	HW-1	HW-5	HW-7	HW-8	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	1	1	1	1	MRL
VOCs in Vapor as Hexane (EPA 8015M)					
Total VOCs as Hexane	**6.2**	<5.7	**13**	<5.7	5.7

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333834
Project No:	04-NDLA-013	**Date Received:**	11/05/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/13/20
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	11/05/20	11/05/20	
Date Prepared:	11/05/20	11/06/20	
Date Analyzed:	11/05/20	11/06/20	
AA ID No:	0K05014-05	0K05014-06	
Client ID No:	HW-9	Trunkline#2	
Matrix:	Vapor	Vapor	
Dilution Factor:	1	1	MRL
VOCs in Vapor as Hexane (EPA 8015M)			
Total VOCs as Hexane	**260**	**180**	5.7

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: A5333834
Date Received: 11/05/20
Date Reported: 11/13/20

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 B0K1205 - *** DEFAULT PREP ****										
Blank (B0K1205-BLK1)				Prepared & Analyzed: 11/06/20						
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	*47.7*		*ug/L*	*50.0*		*95.4*	*70-140*			
Surrogate: Dibromofluoromethane	*49.4*		*ug/L*	*50.0*		*98.8*	*70-140*			
Surrogate: Toluene-d8	*53.2*		*ug/L*	*50.0*		*106*	*70-140*			
LCS (B0K1205-BS1)				Prepared & Analyzed: 11/06/20						
Benzene	**16.9**	0.50	ug/L	20.0		84.6	75-125			
Ethylbenzene	**17.0**	0.50	ug/L	20.0		84.9	75-125			
Methyl-tert-Butyl Ether (MTBE)	**34.6**	2.0	ug/L	40.0		86.5	75-125			
Toluene	**17.0**	0.50	ug/L	20.0		85.2	75-125			
o-Xylene	**19.3**	0.50	ug/L	20.0		96.3	75-125			
m,p-Xylenes	**32.9**	1.0	ug/L	40.0		82.3	75-125			
Surrogate: 4-Bromofluorobenzene	*51.2*		*ug/L*	*50.0*		*102*	*70-140*			
Surrogate: Dibromofluoromethane	*49.4*		*ug/L*	*50.0*		*98.8*	*70-140*			
Surrogate: Toluene-d8	*47.5*		*ug/L*	*50.0*		*94.9*	*70-140*			
LCS Dup (B0K1205-BSD1)				Prepared & Analyzed: 11/06/20						
Benzene	**19.4**	0.50	ug/L	20.0		97.0	75-125	13.5	30	
Ethylbenzene	**18.8**	0.50	ug/L	20.0		94.0	75-125	10.2	30	
Methyl-tert-Butyl Ether (MTBE)	**37.8**	2.0	ug/L	40.0		94.4	75-125	8.76	30	
Toluene	**17.8**	0.50	ug/L	20.0		89.2	75-125	4.65	30	
o-Xylene	**16.9**	0.50	ug/L	20.0		84.6	75-125	13.0	30	
m,p-Xylenes	**36.2**	1.0	ug/L	40.0		90.6	75-125	9.57	30	
Surrogate: 4-Bromofluorobenzene	*52.5*		*ug/L*	*50.0*		*105*	*70-140*			
Surrogate: Dibromofluoromethane	*49.2*		*ug/L*	*50.0*		*98.3*	*70-140*			
Surrogate: Toluene-d8	*48.5*		*ug/L*	*50.0*		*96.9*	*70-140*			
*Batch B0K1206 - *** DEFAULT PREP ****										

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: A5333834
Date Received: 11/05/20
Date Reported: 11/13/20

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 B0K1206 - *** DEFAULT PREP ****										
Blank (B0K1206-BLK1)				Prepared & Analyzed: 11/06/20						
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	*57.0*		*ug/L*	*50.0*		*114*	*70-140*			
Surrogate: Dibromofluoromethane	*48.6*		*ug/L*	*50.0*		*97.2*	*70-140*			
Surrogate: Toluene-d8	*56.4*		*ug/L*	*50.0*		*113*	*70-140*			
LCS (B0K1206-BS1)				Prepared & Analyzed: 11/06/20						
Benzene	**16.7**	0.50	ug/L	20.0		83.3	75-125			
Ethylbenzene	**16.0**	0.50	ug/L	20.0		80.2	75-125			
Methyl-tert-Butyl Ether (MTBE)	**32.8**	2.0	ug/L	40.0		82.0	75-125			
Toluene	**16.5**	0.50	ug/L	20.0		82.4	75-125			
o-Xylene	**16.5**	0.50	ug/L	20.0		82.4	75-125			
m,p-Xylenes	**32.4**	1.0	ug/L	40.0		80.9	75-125			
Surrogate: 4-Bromofluorobenzene	*50.6*		*ug/L*	*50.0*		*101*	*70-140*			
Surrogate: Dibromofluoromethane	*50.1*		*ug/L*	*50.0*		*100*	*70-140*			
Surrogate: Toluene-d8	*51.3*		*ug/L*	*50.0*		*103*	*70-140*			
LCS Dup (B0K1206-BSD1)				Prepared & Analyzed: 11/06/20						
Benzene	**16.8**	0.50	ug/L	20.0		84.2	75-125	1.02	30	
Ethylbenzene	**18.3**	0.50	ug/L	20.0		91.4	75-125	13.0	30	
Methyl-tert-Butyl Ether (MTBE)	**35.7**	2.0	ug/L	40.0		89.2	75-125	8.39	30	
Toluene	**18.2**	0.50	ug/L	20.0		90.8	75-125	9.69	30	
o-Xylene	**18.8**	0.50	ug/L	20.0		94.0	75-125	13.0	30	
m,p-Xylenes	**37.6**	1.0	ug/L	40.0		94.0	75-125	15.0	30	
Surrogate: 4-Bromofluorobenzene	*48.6*		*ug/L*	*50.0*		*97.1*	*70-140*			
Surrogate: Dibromofluoromethane	*48.9*		*ug/L*	*50.0*		*97.8*	*70-140*			
Surrogate: Toluene-d8	*51.0*		*ug/L*	*50.0*		*102*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										

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: A5333834
Date Received: 11/05/20
Date Reported: 11/13/20

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 B0K0513 - *** DEFAULT PREP ****										
Blank (B0K0513-BLK1)				Prepared & Analyzed: 11/05/20						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*45.1*		*ug/L*	*50.0*		*90.1*	*70-130*			
LCS (B0K0513-BS1)				Prepared & Analyzed: 11/05/20						
Gasoline Range Organics (GRO)	**466**	20	ug/L	500		93.3	75-125			
Surrogate: a,a,a-Trifluorotoluene	*49.9*		*ug/L*	*50.0*		*99.8*	*70-130*			
LCS Dup (B0K0513-BSD1)				Prepared & Analyzed: 11/05/20						
Gasoline Range Organics (GRO)	**476**	20	ug/L	500		95.2	75-125	2.00	30	
Surrogate: a,a,a-Trifluorotoluene	*51.4*		*ug/L*	*50.0*		*103*	*70-130*			
Duplicate (B0K0513-DUP1)			**Source: 0K04011-04**	Prepared & Analyzed: 11/05/20						
Gasoline Range Organics (GRO)	**2630**	100	ug/L		2410			8.50	30	
Surrogate: a,a,a-Trifluorotoluene	*46.3*		*ug/L*	*50.0*		*92.7*	*70-130*			
*Batch B0K0604 - *** DEFAULT PREP ****										
Blank (B0K0604-BLK1)				Prepared & Analyzed: 11/06/20						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*43.2*		*ug/L*	*50.0*		*86.4*	*70-130*			
LCS (B0K0604-BS1)				Prepared & Analyzed: 11/06/20						
Gasoline Range Organics (GRO)	**458**	20	ug/L	500		91.6	75-125			
Surrogate: a,a,a-Trifluorotoluene	*49.2*		*ug/L*	*50.0*		*98.4*	*70-130*			
LCS Dup (B0K0604-BSD1)				Prepared & Analyzed: 11/06/20						
Gasoline Range Organics (GRO)	**464**	20	ug/L	500		92.8	75-125	1.35	30	
Surrogate: a,a,a-Trifluorotoluene	*56.4*		*ug/L*	*50.0*		*113*	*70-130*			
Duplicate (B0K0604-DUP1)			**Source: 0K05015-06**	Prepared & Analyzed: 11/06/20						
Gasoline Range Organics (GRO)	**<20**	20	ug/L						30	
Surrogate: a,a,a-Trifluorotoluene	*45.8*		*ug/L*	*50.0*		*91.5*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B0K0513 - *** DEFAULT PREP ****										
Blank (B0K0513-BLK1)				Prepared & Analyzed: 11/05/20						

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: A5333834
Date Received: 11/05/20
Date Reported: 11/13/20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor as Hexane - Quality Control										
*Batch B0K0513 - *** DEFAULT PREP ****										
Blank (B0K0513-BLK1) Continued				Prepared & Analyzed: 11/05/20						
Total VOCs as Hexane	<5.7	5.7	ppmv							
Duplicate (B0K0513-DUP1)		**Source: 0K04011-04**		Prepared & Analyzed: 11/05/20						
Total VOCs as Hexane	**474**	28	ppmv		440			7.56	30	
*Batch B0K0604 - *** DEFAULT PREP ****										
Blank (B0K0604-BLK1)				Prepared & Analyzed: 11/06/20						
Total VOCs as Hexane	<5.7	5.7	ppmv							
Duplicate (B0K0604-DUP1)		**Source: 0K05015-06**		Prepared & Analyzed: 11/06/20						
Total VOCs as Hexane	**<5.7**	5.7	ppmv						30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333834
Project No:	04-NDLA-013	**Date Received:**	11/05/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/13/20

Special Notes

Viorel Vasile
Operations Manager

2150?

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

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:**	[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
HW-1	OK05014 -01	11/5/20	1015	Air	1	✓	✓	✓	
HW-5	-02	↓	1022	Air	1	✓	✓	✓	
HW-7	-03	↓	1030	Air	1	✓	✓	✓	
HW-8	-04	↓	1055	Air	1	✓	✓	✓	
HW-9	-05	↓	1105	Air	1	✓	✓	✓	
Trunkline #2	-06	↓	0915	Air	1	✓	✓	✓	

PRIORITY
Rush SH
Date 11/5/20 1545 Sign [signature]

A5333834/OK05014

Relinquished by	Date	Time	Received by
Bill [signature]	11/5/20	1300	[signature]
[signature]	11/5/20	1431	[signature]

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

AMERICAN ANALYTICS

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

December 20, 2020

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5333870 / 0L07015

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 12/07/20 17:30 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5333870
Date Received: 12/07/20
Date Reported: 12/20/20

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
Trunkline#1(East)	0L07015-01	Vapor	5	12/07/20 09:45	12/07/20 17:30
Trunkline#3(Central S)	0L07015-02	Vapor	5	12/07/20 09:48	12/07/20 17:30
Trunkline#4(Central E)	0L07015-03	Vapor	5	12/07/20 09:50	12/07/20 17:30
Trunkline#5(Central W)	0L07015-04	Vapor	5	12/07/20 09:39	12/07/20 17:30
VOCs Gasoline Range Organics Vapor					
Trunkline#1(East)	0L07015-01	Vapor	5	12/07/20 09:45	12/07/20 17:30
Trunkline#3(Central S)	0L07015-02	Vapor	5	12/07/20 09:48	12/07/20 17:30
Trunkline#4(Central E)	0L07015-03	Vapor	5	12/07/20 09:50	12/07/20 17:30
Trunkline#5(Central W)	0L07015-04	Vapor	5	12/07/20 09:39	12/07/20 17:30
VOCs in Vapor as Hexane					
Trunkline#1(East)	0L07015-01	Vapor	5	12/07/20 09:45	12/07/20 17:30
Trunkline#3(Central S)	0L07015-02	Vapor	5	12/07/20 09:48	12/07/20 17:30
Trunkline#4(Central E)	0L07015-03	Vapor	5	12/07/20 09:50	12/07/20 17:30
Trunkline#5(Central W)	0L07015-04	Vapor	5	12/07/20 09:39	12/07/20 17:30

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333870
Project No:	04-NDLA-013	**Date Received:**	12/07/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	12/20/20
Matrix:	Vapor	**Sampled:**	12/07/20
Dilution:	1	**Prepared:**	12/08/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	12/08/20

Trunkline#1(East)

0L07015-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**0.72**	ug/L	0.50	**0.23**	ppmv	0.16
Ethylbenzene	**1.2**	ug/L	0.50	**0.28**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<2.0	ug/L	2.0	<0.55	ppmv	0.55
Toluene	**1.4**	ug/L	0.50	**0.37**	ppmv	0.13
o-Xylene	**1.1**	ug/L	0.50	**0.25**	ppmv	0.12
m,p-Xylenes	**3.1**	ug/L	1.0	**0.71**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	92.8 %	70-140
Dibromofluoromethane	82.7 %	70-140
Toluene-d8	90.1 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333870
Project No:	04-NDLA-013	**Date Received:**	12/07/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	12/20/20
Matrix:	Vapor	**Sampled:**	12/07/20
Dilution:	1	**Prepared:**	12/08/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	12/08/20

Trunkline#3(Central S)

0L07015-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**6.1**	ug/L	0.50	**1.9**	ppmv	0.16
Ethylbenzene	**2.5**	ug/L	0.50	**0.58**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<2.0	ug/L	2.0	<0.55	ppmv	0.55
Toluene	**2.2**	ug/L	0.50	**0.58**	ppmv	0.13
o-Xylene	**3.4**	ug/L	0.50	**0.78**	ppmv	0.12
m,p-Xylenes	**6.4**	ug/L	1.0	**1.5**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	93.8 %	70-140
Dibromofluoromethane	82.8 %	70-140
Toluene-d8	89.7 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333870
Project No:	04-NDLA-013	**Date Received:**	12/07/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	12/20/20
Matrix:	Vapor	**Sampled:**	12/07/20
Dilution:	1	**Prepared:**	12/08/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	12/08/20

Trunkline#4(Central E)

0L07015-03 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**9.1**	ug/L	0.50	**2.8**	ppmv	0.16
Ethylbenzene	**4.7**	ug/L	0.50	**1.1**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<2.0	ug/L	2.0	<0.55	ppmv	0.55
Toluene	**11**	ug/L	0.50	**2.9**	ppmv	0.13
o-Xylene	**5.0**	ug/L	0.50	**1.2**	ppmv	0.12
m,p-Xylenes	**12**	ug/L	1.0	**2.8**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	91.8 %	70-140
Dibromofluoromethane	83.5 %	70-140
Toluene-d8	88.7 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333870
Project No:	04-NDLA-013	**Date Received:**	12/07/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	12/20/20
Matrix:	Vapor	**Sampled:**	12/07/20
Dilution:	1	**Prepared:**	12/08/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	12/08/20

Trunkline#5(Central W)

0L07015-04 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**0.73**	ug/L	0.50	**0.23**	ppmv	0.16
Ethylbenzene	**0.76**	ug/L	0.50	**0.18**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<2.0	ug/L	2.0	<0.55	ppmv	0.55
Toluene	<0.50	ug/L	0.50	<0.13	ppmv	0.13
o-Xylene	<0.50	ug/L	0.50	<0.12	ppmv	0.12
m,p-Xylenes	<1.0	ug/L	1.0	<0.23	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	94.1 %	70-140
Dibromofluoromethane	86.9 %	70-140
Toluene-d8	91.0 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333870
Project No:	04-NDLA-013	**Date Received:**	12/07/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	12/20/20
Matrix:	Vapor	**Sampled:**	12/07/20
Dilution:	10	**Prepared:**	12/08/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	12/08/20

Trunkline#1(East)

0L07015-01 (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	101 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333870
Project No:	04-NDLA-013	**Date Received:**	12/07/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	12/20/20
Matrix:	Vapor	**Sampled:**	12/07/20
Dilution:	20	**Prepared:**	12/08/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	12/08/20

Trunkline#3(Central S)

0L07015-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**17000**	ug/L	20	**4200**	ppmv	4.9

Surrogates	**%REC**	**%REC Limits**
a,a,a-Trifluorotoluene	93.9 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333870
Project No:	04-NDLA-013	**Date Received:**	12/07/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	12/20/20
Matrix:	Vapor	**Sampled:**	12/07/20
Dilution:	20	**Prepared:**	12/08/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	12/08/20

Trunkline#4(Central E)

0L07015-03 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**23000**	ug/L	20	**5600**	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:**	A5333870
Project No:	04-NDLA-013	**Date Received:**	12/07/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	12/20/20
Matrix:	Vapor	**Sampled:**	12/07/20
Dilution:	10	**Prepared:**	12/08/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	12/08/20

Trunkline#5(Central W)

0L07015-04 (Vapor)

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

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk VES AQMD
Method: VOCs in Vapor as Hexane

AA Project No: A5333870
Date Received: 12/07/20
Date Reported: 12/20/20
Units: ppmv

Date Sampled:	12/07/20	12/07/20	12/07/20	12/07/20	
Date Prepared:	12/08/20	12/08/20	12/08/20	12/08/20	
Date Analyzed:	12/08/20	12/08/20	12/08/20	12/08/20	
AA ID No:	0L07015-01	0L07015-02	0L07015-03	0L07015-04	
Client ID No:	Trunkline#1(East)	Trunkline#3(Central S)	Trunkline#4(Central E)	Trunkline#5(Central W)	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	10	20	20	10	MRL
VOCs in Vapor as Hexane (EPA 8015M)					
Total VOCs as Hexane	**730**	**3100**	**4200**	**540**	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: A5333870
Date Received: 12/07/20
Date Reported: 12/20/20

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 B0L0818 - *** DEFAULT PREP ****										
Blank (B0L0818-BLK1)				Prepared & Analyzed: 12/08/20						
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	*48.4*		*ug/L*	*50.0*		*96.9*	*70-140*			
Surrogate: Dibromofluoromethane	*43.0*		*ug/L*	*50.0*		*86.0*	*70-140*			
Surrogate: Toluene-d8	*42.9*		*ug/L*	*50.0*		*85.9*	*70-140*			
LCS (B0L0818-BS1)				Prepared & Analyzed: 12/08/20						
Benzene	**16.6**	0.50	ug/L	20.0		83.1	75-125			
Ethylbenzene	**19.6**	0.50	ug/L	20.0		98.2	75-125			
Methyl-tert-Butyl Ether (MTBE)	**33.3**	2.0	ug/L	40.0		83.2	75-125			
Toluene	**18.5**	0.50	ug/L	20.0		92.4	75-125			
o-Xylene	**18.7**	0.50	ug/L	20.0		93.4	75-125			
m,p-Xylenes	**38.2**	1.0	ug/L	40.0		95.5	75-125			
Surrogate: 4-Bromofluorobenzene	*49.2*		*ug/L*	*50.0*		*98.3*	*70-140*			
Surrogate: Dibromofluoromethane	*37.6*		*ug/L*	*50.0*		*75.3*	*70-140*			
Surrogate: Toluene-d8	*44.3*		*ug/L*	*50.0*		*88.6*	*70-140*			
LCS Dup (B0L0818-BSD1)				Prepared & Analyzed: 12/08/20						
Benzene	**17.1**	0.50	ug/L	20.0		85.4	75-125	2.67	30	
Ethylbenzene	**20.9**	0.50	ug/L	20.0		105	75-125	6.31	30	
Methyl-tert-Butyl Ether (MTBE)	**33.7**	2.0	ug/L	40.0		84.3	75-125	1.37	30	
Toluene	**19.6**	0.50	ug/L	20.0		98.0	75-125	5.94	30	
o-Xylene	**20.1**	0.50	ug/L	20.0		101	75-125	7.58	30	
m,p-Xylenes	**40.8**	1.0	ug/L	40.0		102	75-125	6.51	30	
Surrogate: 4-Bromofluorobenzene	*49.4*		*ug/L*	*50.0*		*98.8*	*70-140*			
Surrogate: Dibromofluoromethane	*37.8*		*ug/L*	*50.0*		*75.6*	*70-140*			
Surrogate: Toluene-d8	*44.9*		*ug/L*	*50.0*		*89.7*	*70-140*			
Duplicate (B0L0818-DUP1)				**Source: 0L07015-01**	Prepared & Analyzed: 12/08/20					

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: A5333870
Date Received: 12/07/20
Date Reported: 12/20/20

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 B0L0818 - *** DEFAULT PREP ****										
Duplicate (B0L0818-DUP1) Continued			**Source: 0L07015-01**	Prepared & Analyzed: 12/08/20						
Benzene	**0.660**	0.50	ug/L		0.720			8.70	30	
Ethylbenzene	**0.960**	0.50	ug/L		1.18			20.6	30	
Methyl-tert-Butyl Ether (MTBE)	**<2.0**	2.0	ug/L		<2.0				30	
Toluene	**1.15**	0.50	ug/L		1.37			17.5	30	
o-Xylene	**0.860**	0.50	ug/L		1.06			20.8	30	
m,p-Xylenes	**2.38**	1.0	ug/L		3.06			25.0	30	
Surrogate: 4-Bromofluorobenzene	*48.2*		*ug/L*	*50.0*		*96.5*	*70-140*			
Surrogate: Dibromofluoromethane	*41.8*		*ug/L*	*50.0*		*83.6*	*70-140*			
Surrogate: Toluene-d8	*44.9*		*ug/L*	*50.0*		*89.7*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B0L0817 - *** DEFAULT PREP ****										
Blank (B0L0817-BLK1)				Prepared & Analyzed: 12/08/20						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*41.5*		*ug/L*	*50.0*		*83.1*	*70-130*			
LCS (B0L0817-BS1)				Prepared & Analyzed: 12/08/20						
Gasoline Range Organics (GRO)	**451**	20	ug/L	500		90.2	75-125			
Surrogate: a,a,a-Trifluorotoluene	*48.9*		*ug/L*	*50.0*		*97.9*	*70-130*			
LCS Dup (B0L0817-BSD1)				Prepared & Analyzed: 12/08/20						
Gasoline Range Organics (GRO)	**462**	20	ug/L	500		92.3	75-125	2.32	30	
Surrogate: a,a,a-Trifluorotoluene	*50.7*		*ug/L*	*50.0*		*101*	*70-130*			
Duplicate (B0L0817-DUP1)			**Source: 0L07015-01**	Prepared & Analyzed: 12/08/20						
Gasoline Range Organics (GRO)	**3430**	200	ug/L		3980			14.9	30	
Surrogate: a,a,a-Trifluorotoluene	*53.4*		*ug/L*	*50.0*		*107*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B0L0817 - *** DEFAULT PREP ****										
Blank (B0L0817-BLK1)				Prepared & Analyzed: 12/08/20						
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B0L0817-DUP1)			**Source: 0L07015-01**	Prepared & Analyzed: 12/08/20						

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: A5333870
Date Received: 12/07/20
Date Reported: 12/20/20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor as Hexane - Quality Control										
*Batch B0L0817 - *** DEFAULT PREP ****										
Duplicate (B0L0817-DUP1) Continued			**Source: 0L07015-01**	Prepared & Analyzed: 12/08/20						
Total VOCs as Hexane	**632**	49	ppmv		726			13.9	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333870
Project No:	04-NDLA-013	**Date Received:**	12/07/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	12/20/20

Special Notes

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

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

21730

Client: The Source Group, Inc.	**Project Name / No.:** DFSP - Norwalk / 091-NDLA	**Sampler's Name:**	Glenn Androski
Project Manager: Neil Irish	**Site Address:** 15306 Norwalk Blvd	**Sampler's Signature:**	Glenn Androski
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)	OL07015-01	12-7-20	0945	Air	1	✓	✓	✓								VOC's reported as
Trunkline#3 (Central S)	-02	↓	0948	Air	1	✓	✓	✓								TPH and Hexane
Trunkline#4 (Central E)	-03	↓	0950	Air	1	✓	✓	✓								Detection limit of 75
Trunkline#5 (Central W)	-04	↓	0939	Air	1	✓	✓	✓								ppm for Hexane
																and 0.15 ppm for
																Benzene

PRIORITY SH
Rush: FAS
Date 12/8/2020 Time 0500 Sign [signature]

AS333870/OL07015

Relinquished by	Date	Time	Received by
Glenn Androski	12-7-20	1:00pm	[signature]
[signature]	12/7/20	5:30pm	[signature]

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

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

enthalpy.com

Lab Job Number:	436873
Report Level:	II
Report Date:	12/10/2020

Analytical Report *prepared for:*

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

Project: PERMIT #22453_WW - WW

Authorized for release by:

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

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

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

ENTHALPY ANALYTICAL

Sample Summary

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

Lab Job #:	436873
Project No:	PERMIT #22453_WW
Location:	WW
Date Received:	11/24/20

Sample ID	Lab ID	Collected	Matrix
SURGE TANK_11-24-20	436873-001	11/24/20 11:01	Water

CHAIN OF CUSTODY RECORD

931 W. Barkley, Orange, CA 92868
Phone: (714) 771-6900 Fax: (714) 771-8933

ENTHALPY ANALYTICAL

www.enthalpy.com

Lab Number: 436873
Client ID: 15881
Page: 1 of 1

Preservative: 1=Na2S2O3 2=HCl 3=HNO3 4=H2SO4 5=NaOH 6=Other
Matrix: A=Air DW=Drinking Water FL=Food Liquid FS=Food Solid
L=Liquid PP=Pure Product S=Solid SW=Swab W=Water WP=Wipe O=Other

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

Turn Around Time

Standard	X
72 Hours	
48 Hours	
24 Hours	
Same Day	

****Turn around time will start the following day for samples received at the Lab after 3pm****

ENTHALPY ANALYTICAL

CUSTOMER INFORMATION

Company: APEX
Report To: Imelda Morales
Email: imelda.morales@apexcos.com, glenn.androsko@apexcos.com, katy.ryan@apexcos.com
Address: 1962 Freeman Ave
Signal Hill, CA 90755
Phone: 562-597-1055 Fax:

PROJECT INFORMATION

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

Analysis

Test Instruction & Comments

	Sample ID	Date	Time	Matrix	Container	Pres.	8015 TPHD (DRO)	8015 TPHG (GRO)	624-VOCs (BTEX plus m,p xylenes & Oxygenates												
1	Surge Tank_11-24-20	11-24-20	1101	WW	6 1-L, ~~3~~ 40ml	4	X	X	X												
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					
13																					
14																					

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

Relinquished By: 1	Received By: 1	Relinquished By: 2	Received By: 2	Authorized By:
Glenn Androsko				
Print Name: Glenn Androsko	Print Name:	Print Name:	Print Name:	
Date: 11-24-20 Time: 3:40	Date: 11/24/20 Time: 1540	Date: Time:	Date: Time:	

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

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: APEX Project: PERMIT #22453

Date Received: 11/24/20 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: 2-6 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?		✓	
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

_____

_____

_____

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 11/24/20

ENTHALPY ANALYTICAL

Analysis Results for 436873

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

Lab Job #: 436873
Project No: PERMIT #22453_WW
Location: WW
Date Received: 11/24/20

Sample ID: SURGE TANK_11-24-20 **Lab ID: 436873-001** **Collected: 11/24/20 11:01**
Matrix: Water

436873-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 624 Prep Method: EPA 624									
MTBE	ND		ug/L	5.0	1	257066	11/30/20	11/30/20	LYZ
Isopropyl Ether (DIPE)	ND		ug/L	5.0	1	257066	11/30/20	11/30/20	LYZ
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0	1	257066	11/30/20	11/30/20	LYZ
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0	1	257066	11/30/20	11/30/20	LYZ
tert-Butyl Alcohol (TBA)	**12**		ug/L	10	1	257066	11/30/20	11/30/20	LYZ
m,p-Xylenes	ND		ug/L	10	1	257066	11/30/20	11/30/20	LYZ
o-Xylene	ND		ug/L	5.0	1	257066	11/30/20	11/30/20	LYZ
Benzene	**5.3**		ug/L	5.0	1	257066	11/30/20	11/30/20	LYZ
Toluene	ND		ug/L	5.0	1	257066	11/30/20	11/30/20	LYZ
Ethylbenzene	ND		ug/L	5.0	1	257066	11/30/20	11/30/20	LYZ
Xylene (total)	ND		ug/L	5.0	1	257066	11/30/20	11/30/20	LYZ
Surrogates				**Limits**					
Dibromofluoromethane	98%		%REC	70-140	1	257066	11/30/20	11/30/20	LYZ
1,2-Dichloroethane-d4	103%		%REC	70-140	1	257066	11/30/20	11/30/20	LYZ
Toluene-d8	103%		%REC	70-140	1	257066	11/30/20	11/30/20	LYZ
Bromofluorobenzene	99%		%REC	70-140	1	257066	11/30/20	11/30/20	LYZ
Method: EPA 8015B Prep Method: EPA 5030B									
TPH Gasoline	**190**		ug/L	50	1	257338	12/04/20	12/04/20	EMW
Surrogates				**Limits**					
Bromofluorobenzene (FID)	138%		%REC	60-140	1	257338	12/04/20	12/04/20	EMW
Method: EPA 8015B Prep Method: EPA 3510C									
Diesel C10-C28	**0.43**		mg/L	0.094	0.94	256932	11/24/20	11/25/20	MES
Surrogates				**Limits**					
n-Triacontane	91%		%REC	35-130	0.94	256932	11/24/20	11/25/20	MES

ND Not Detected

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

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC896761	Batch: 256932
Matrix: Water	Method: EPA 8015B	Prep Method: EPA 3510C

QC896761 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Diesel C10-C28	ND		mg/L	0.10	11/24/20	11/25/20
Surrogates				**Limits**		
n-Triacontane	88%		%REC	35-130	11/24/20	11/25/20

Type: Lab Control Sample	Lab ID: QC896762	Batch: 256932
Matrix: Water	Method: EPA 8015B	Prep Method: EPA 3510C

QC896762 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	0.9818	1.000	mg/L	98%		42-120
Surrogates						
n-Triacontane	0.01836	0.02000	mg/L	92%		35-130

Type: Lab Control Sample Duplicate	Lab ID: QC896763	Batch: 256932
Matrix: Water	Method: EPA 8015B	Prep Method: EPA 3510C

QC896763 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Diesel C10-C28	0.9410	1.000	mg/L	94%		42-120	4	36
Surrogates								
n-Triacontane	0.01776	0.02000	mg/L	89%		35-130		

Type: Blank	Lab ID: QC897087	Batch: 257066
Matrix: Water	Method: EPA 624	Prep Method: EPA 624

QC897087 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
MTBE	ND		ug/L	5.0	11/30/20	11/30/20
Isopropyl Ether (DIPE)	ND		ug/L	5.0	11/30/20	11/30/20
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0	11/30/20	11/30/20
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0	11/30/20	11/30/20
tert-Butyl Alcohol (TBA)	ND		ug/L	10	11/30/20	11/30/20
m,p-Xylenes	ND		ug/L	10	11/30/20	11/30/20
o-Xylene	ND		ug/L	5.0	11/30/20	11/30/20
Benzene	ND		ug/L	5.0	11/30/20	11/30/20
Toluene	ND		ug/L	5.0	11/30/20	11/30/20
Ethylbenzene	ND		ug/L	5.0	11/30/20	11/30/20
Xylene (total)	ND		ug/L	5.0	11/30/20	11/30/20
Surrogates				**Limits**		
Dibromofluoromethane	93%		%REC	70-140	11/30/20	11/30/20
1,2-Dichloroethane-d4	92%		%REC	70-140	11/30/20	11/30/20
Toluene-d8	103%		%REC	70-140	11/30/20	11/30/20
Bromofluorobenzene	112%		%REC	70-140	11/30/20	11/30/20

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID: QC897088**	**Batch: 257066**
Matrix: Water	**Method: EPA 624**	**Prep Method: EPA 624**

QC897088 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
MTBE	46.45	50.00	ug/L	93%		70-130
1,1-Dichloroethene	39.38	50.00	ug/L	79%		70-135
Benzene	44.30	50.00	ug/L	89%		70-130
Trichloroethene	46.55	50.00	ug/L	93%		70-130
Toluene	42.78	50.00	ug/L	86%		70-130
Chlorobenzene	42.98	50.00	ug/L	86%		70-130
Surrogates						
Dibromofluoromethane	49.19	50.00	ug/L	98%		70-140
1,2-Dichloroethane-d4	44.67	50.00	ug/L	89%		70-140
Toluene-d8	49.89	50.00	ug/L	100%		70-140
Bromofluorobenzene	52.41	50.00	ug/L	105%		70-140

Type: Lab Control Sample Duplicate	**Lab ID: QC897089**	**Batch: 257066**
Matrix: Water	**Method: EPA 624**	**Prep Method: EPA 624**

QC897089 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
MTBE	44.99	50.00	ug/L	90%		70-130	3	30
1,1-Dichloroethene	40.65	50.00	ug/L	81%		70-135	3	30
Benzene	45.68	50.00	ug/L	91%		70-130	3	30
Trichloroethene	47.67	50.00	ug/L	95%		70-130	2	30
Toluene	44.08	50.00	ug/L	88%		70-130	3	30
Chlorobenzene	44.66	50.00	ug/L	89%		70-130	4	30
Surrogates								
Dibromofluoromethane	48.83	50.00	ug/L	98%		70-140		
1,2-Dichloroethane-d4	44.64	50.00	ug/L	89%		70-140		
Toluene-d8	49.69	50.00	ug/L	99%		70-140		
Bromofluorobenzene	51.50	50.00	ug/L	103%		70-140		

Type: Lab Control Sample	**Lab ID: QC897786**	**Batch: 257338**
Matrix: Water	**Method: EPA 8015B**	**Prep Method: EPA 5030B**

QC897786 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
TPH Gasoline	506.2	500.0	ug/L	101%		70-130
Surrogates						
Bromofluorobenzene (FID)	258.0	200.0	ug/L	129%		60-140

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC897787**	**Batch:**	**257338**
Matrix (Source ID):	**Water (436908-007)**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 5030B**

QC897787 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
TPH Gasoline	571.7	86.20	500.0	ug/L	97%		70-130	1
Surrogates								
Bromofluorobenzene (FID)	242.0		200.0	ug/L	121%		60-140	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC897788**	**Batch:**	**257338**
Matrix (Source ID):	**Water (436908-007)**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 5030B**

QC897788 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
TPH Gasoline	571.1	86.20	500.0	ug/L	97%		70-130	0	30	1
Surrogates										
Bromofluorobenzene (FID)	237.0		200.0	ug/L	119%		60-140			1

Type:	**Blank**	**Lab ID:**	**QC897789**	**Batch:**	**257338**
Matrix:	**Water**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 5030B**

QC897789 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH Gasoline	ND		ug/L	50	12/04/20	12/04/20
Surrogates				**Limits**		
Bromofluorobenzene (FID)	121%		%REC	60-140	12/04/20	12/04/20

ND Not Detected

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

enthalpy.com

Lab Job Number:	436879
Report Level:	II
Report Date:	12/21/2020

Analytical Report *prepared for:*

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

Project: PERMIT #22453_WW - WW

Authorized for release by:

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

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

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

ENTHALPY ANALYTICAL

Sample Summary

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

Lab Job #:	436879
Project No:	PERMIT #22453_WW
Location:	WW
Date Received:	11/24/20

Sample ID	Lab ID	Collected	Matrix
EFFLUENT-COMP_11-24-20	436879-001	11/24/20 10:50	Water
EFFLUENT-GRAB_11-24-20	436879-002	11/24/20 10:36	Water

ENTHALPY ANALYTICAL

Case Narrative

APEX - Signal Hill	Lab Job Number: 436879
1962 Freeman Avenue	Project No: PERMIT #22453_WW
Signal Hill, CA 90755	Location: WW
Imedla Morales	Date Received: 11/24/20

This data package contains sample and QC results for two water samples, requested for the above referenced project on 11/24/20. The samples were received cold and intact.

Semivolatile Organics by GC/MS (EPA 625):

Low responses were observed for Di-n-octylphthalate and indeno(1,2,3-cd)pyrene in the CCV analyzed 12/02/20 13:29; these analytes met minimum response criteria, and affected data was qualified with "b". High response was observed for terphenyl-d14; affected data was qualified with "b". Low response was observed for 2,4,6-tribromophenol in the CCV analyzed 11/30/20 13:10; this analyte met minimum response criteria, and affected data was qualified with "b". High responses were observed for N-nitroso-di-n-propylamine, nitrobenzene-d5, and phenol; affected data was qualified with "b". Low response was observed for bis(2-chloroisopropyl) ether in the CCV analyzed 11/30/20 13:10; this analyte met minimum response criteria, and affected data was qualified with "b". Low response was observed for hexachlorocyclopentadiene in the CCV analyzed 11/30/20 13:10; this analyte met minimum response criteria, and affected data was qualified with "b". Low recoveries were observed for acenaphthene, pyrene, and 1,2,4-trichlorobenzene in the BS/BSD for batch 257016; the associated RPDs were within limits. Low surrogate recovery was observed for 2-fluorophenol in EFFLUENT-GRAB_11-24-20 (lab # 436879-002). Low surrogate recovery was observed for phenol-d6 in EFFLUENT-GRAB_11-24-20 (lab # 436879-002). No other analytical problems were encountered.

CHAIN OF CUSTODY RECORD

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

ENTHALPY ANALYTICAL

www.enthalpy.com

Lab Number: 436879
Client ID: 15881
Page: 1 of 1

Preservative: 1=Na2S2O3 2=HCl 3=HNO3 4=H2SO4 5=NaOH 6=Other
Matrix: A=Air DW=Drinking Water FL=Food Liquid FS=Food Solid
L=Liquid PP=Pure Product S=Solid SW=Swab W=Water WP=Wipe O=Other

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

Turn Around Time

Standard	X
72 Hours	
48 Hours	
24 Hours	
Same Day	

****Turn around time will start the following day for samples received at the Lab after 3pm****

ENTHALPY ANALYTICAL

CUSTOMER INFORMATION

Company: APEX
Report To: Imelda Morales
Email: imelda.morales@apexcos.com, glenn.androsko@apexcos.com, katy.ryan@apexcos.com
Address: 1962 Freeman Ave
Signal Hill, CA 90755
Phone: 562-597-1055 Fax:

PROJECT INFORMATION

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

	Sample ID	Date	Time	Matrix	Container	Pres.	2540D TSS	5220-D COD	4500-S-D Soluble Sulfide	4500HB pH Field	624-VOCs (BTEX plus m,p-xylenes & Oxygenates	625 SVOCs	Test Instruction & Comments
1	Effluent-Comp_11-24-20	11-24-20	1050	WW	1-L	4,2,5	X	X					
2	Effluent-Grab_11-24-20	"	1036	WW	1-L, 2-250ml, 6-40ml	4,2,6			X	X	X	X	
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													

Analysis

Meter Readings		pH	Temp.	Time
1) Begin:	D.O.	7.19	22.9	1030
End:				
2) Begin:				
End:				
3) Begin:				
End:				
4) Begin:				
End:				

	Relinquished By: 1	Received By: 1	Relinquished By: 2	Received By: 2	Authorized By:
	Glenn Androsko				
Print Name:	Glenn Androsko				
Date:	11-24-20	11/24/20			
Time:	3:40	1540			

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

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: APEX Project: PERMIT #22453

Date Received: 11/24/20 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: 0.2 #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: 2.1 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?	✓	11/24/20	
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

HEADSPACE >5-6 mm NOTED ON 3/9 VIALS

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 11/24/20

MONTROSE ENVIRONMENTAL

Diane Galvan <diane.galvan@enthalpy.com>

RE: [EXT] Re: PERMIT #22453_WW - Enthalpy Report (436879)

1 message

Imelda Morales <Imelda.Morales@apexcos.com> Wed, Dec 16, 2020 at 6:05 PM
To: Diane Galvan <diane.galvan@enthalpy.com>, Katy Ryan <Katy.Ryan@apexcos.com>

Hi Diane,

Is it possible to include these additional analytes in the lab report?

Thank you,

Imelda

Imelda Morales

Senior Remediation Engineer

Apex Companies, LLC

1962 Freeman Ave

Signal Hill, CA 90755

APEX
apexcos.com

O) 562-597-1055 x1804 M) 562-370-5471

Add me to your contact list!

WorkSafe
Apex, Living Safety. Make Safety Personal.

***ENR* Top 30 All-Environmental Firm**

From: Diane Galvan <diane.galvan@enthalpy.com>
Sent: Wednesday, December 16, 2020 4:51 PM
To: Katy Ryan <Katy.Ryan@apexcos.com>
Cc: Imelda Morales <Imelda.Morales@apexcos.com>
Subject: [EXT] Re: PERMIT #22453_WW - Enthalpy Report (436879)

CAUTION

Hi Katy,

No, these are different analytes in Method 624.

Thanks,

Diane Galvan

Senior Project Manager

West Coast

Enthalpy Analytical

931 W. Barkley Ave., Orange, CA 92868

D:714-771-9928 O:714-771-6900 M:714-812-8119

diane.galvan@enthalpy.com

In observance of Christmas and New Year holidays, Enthalpy Analytical will be closed on **December 24th – 25th and January 1st.** Sample Receiving will be open on Saturdays, December 26th and January 2nd from 9AM-12PM. Samples with holding time less than 48 hours will only be accepted on December 23th and December 31st providing that they were pre-arranged with the project managers. Please be advised that additional surcharges might apply.

On Wed, Dec 16, 2020 at 4:46 PM Katy Ryan <Katy.Ryan@apexcos.com> wrote:

> Hi Diane,
>
> We recently received this lab report (attached) with the analytes below missing from EPA 624. On our chain of custody It looks like we requested “624-VOCS (BTEX plus m,p xylenes & oxygenates)”. Are these not included under that description?
>
> Please let me know as soon as you can.

601	Methylene Chloride
602	Chloroform
603	1,1,1-Trichloroethane
604	Carbon Tetrachloride
605	1,1-Dichloroethene
606	Trichloroethylene
607	Tetrachloroethylene
608	Bromodichloromethane
609	Dibromochloromethane
610	Bromoform
611	Chlorobenzene
612	Vinyl Chloride
616	1,1-Dichloroethane
618	1,1,2-Trichloroethane
619	1,2-Dichloroethane

645	trans-1,2-Dichloroethylene
646	Bromomethane
647	Chloroethane
648	2-Chloroethylvinylether
649	Chloromethane
650	1,2-Dichloropropane
651	cis-1,3-Dichloropropene
652	trans-1,3-Dichloropropene
653	1,1,2,2-Tetrachloroethane

Thanks,

Katy Ryan

Staff Engineer 1

Apex Companies, LLC

1962 Freeman Ave

Signal Hill, CA 90755

O) 562-597-1055

Add me to your contact list!

***ENR* Top 30 All-Environmental Firm**

ENTHALPY ANALYTICAL

Analysis Results for 436879

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

Lab Job #: 436879
Project No: PERMIT #22453_WW
Location: WW
Date Received: 11/24/20

Sample ID:	Lab ID: 436879-001	Collected: 11/24/20 10:50
EFFLUENT-COMP_11-24-20	Matrix: Water	

436879-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM2540D Prep Method: METHOD									
Total Suspended Solids	ND		mg/L	0.6	1.1	257068	11/25/20	11/30/20	NLP
Method: SM5220D Prep Method: METHOD									
Chemical Oxygen Demand	ND		mg/L	4.0	1	257245	12/02/20	12/02/20	ATP

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

ENTHALPY ANALYTICAL

Analysis Results for 436879

Sample ID:	Lab ID: 436879-002	Collected: 11/24/20 10:36
EFFLUENT-GRAB_11-24-20	Matrix: Water	

436879-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 624 Prep Method: EPA 624									
MTBE	ND		ug/L	5.0	1	257349	12/04/20	12/04/20	LYZ
Isopropyl Ether (DIPE)	ND		ug/L	5.0	1	257349	12/04/20	12/04/20	LYZ
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0	1	257349	12/04/20	12/04/20	LYZ
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0	1	257349	12/04/20	12/04/20	LYZ
tert-Butyl Alcohol (TBA)	ND		ug/L	10	1	257349	12/04/20	12/04/20	LYZ
m,p-Xylenes	ND		ug/L	10	1	257349	12/04/20	12/04/20	LYZ
o-Xylene	ND		ug/L	5.0	1	257349	12/04/20	12/04/20	LYZ
Chloromethane	ND		ug/L	1.0	1	257349	12/04/20	12/04/20	LYZ
Vinyl Chloride	ND		ug/L	0.5	1	257349	12/04/20	12/04/20	LYZ
Bromomethane	ND		ug/L	1.0	1	257349	12/04/20	12/04/20	LYZ
Chloroethane	ND		ug/L	1.0	1	257349	12/04/20	12/04/20	LYZ
1,1-Dichloroethene	ND		ug/L	0.5	1	257349	12/04/20	12/04/20	LYZ
Methylene Chloride	ND		ug/L	10	1	257349	12/04/20	12/04/20	LYZ
trans-1,2-Dichloroethene	ND		ug/L	0.5	1	257349	12/04/20	12/04/20	LYZ
1,1-Dichloroethane	ND		ug/L	0.5	1	257349	12/04/20	12/04/20	LYZ
Chloroform	ND		ug/L	0.5	1	257349	12/04/20	12/04/20	LYZ
1,1,1-Trichloroethane	ND		ug/L	0.5	1	257349	12/04/20	12/04/20	LYZ
Carbon Tetrachloride	ND		ug/L	0.5	1	257349	12/04/20	12/04/20	LYZ
1,2-Dichloroethane	ND		ug/L	0.5	1	257349	12/04/20	12/04/20	LYZ
Benzene	ND		ug/L	5.0	1	257349	12/04/20	12/04/20	LYZ
Trichloroethene	ND		ug/L	0.5	1	257349	12/04/20	12/04/20	LYZ
1,2-Dichloropropane	ND		ug/L	0.5	1	257349	12/04/20	12/04/20	LYZ
Bromodichloromethane	ND		ug/L	0.5	1	257349	12/04/20	12/04/20	LYZ
cis-1,3-Dichloropropene	ND		ug/L	0.5	1	257349	12/04/20	12/04/20	LYZ
Toluene	ND		ug/L	5.0	1	257349	12/04/20	12/04/20	LYZ
trans-1,3-Dichloropropene	ND		ug/L	0.5	1	257349	12/04/20	12/04/20	LYZ
1,1,2-Trichloroethane	ND		ug/L	0.5	1	257349	12/04/20	12/04/20	LYZ
Tetrachloroethene	ND		ug/L	0.5	1	257349	12/04/20	12/04/20	LYZ
Dibromochloromethane	ND		ug/L	0.5	1	257349	12/04/20	12/04/20	LYZ
Chlorobenzene	ND		ug/L	0.5	1	257349	12/04/20	12/04/20	LYZ
Ethylbenzene	ND		ug/L	5.0	1	257349	12/04/20	12/04/20	LYZ
Bromoform	ND		ug/L	1.0	1	257349	12/04/20	12/04/20	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/L	0.5	1	257349	12/04/20	12/04/20	LYZ
2-Chloroethylvinylether	ND		ug/L	20	1	257349	12/04/20	12/04/20	LYZ
Xylene (total)	ND		ug/L	15	1	257349	12/04/20	12/04/20	LYZ
Surrogates				**Limits**					
Dibromofluoromethane	102%		%REC	70-140	1	257349	12/04/20	12/04/20	LYZ
1,2-Dichloroethane-d4	106%		%REC	70-140	1	257349	12/04/20	12/04/20	LYZ
Toluene-d8	102%		%REC	70-140	1	257349	12/04/20	12/04/20	LYZ
Bromofluorobenzene	109%		%REC	70-140	1	257349	12/04/20	12/04/20	LYZ

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

ENTHALPY ANALYTICAL

Analysis Results for 436879

436879-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 625 Prep Method: EPA 3510C									
Benzoic acid	ND		ug/L	47	0.94	257016	11/30/20	12/02/20	TJW
Benzidine	ND		ug/L	47	0.94	257016	11/30/20	12/02/20	TJW
Benzyl alcohol	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
4-Chloroaniline	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
Dibenzofuran	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
2-Methylphenol	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
2-Methylnaphthalene	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
2-Nitroaniline	ND		ug/L	47	0.94	257016	11/30/20	12/02/20	TJW
3-Nitroaniline	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
4-Nitroaniline	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
2,4,5-Trichlorophenol	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
N-Nitrosodimethylamine	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
Phenol	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
bis(2-Chloroethyl)ether	ND		ug/L	24	0.94	257016	11/30/20	12/02/20	TJW
2-Chlorophenol	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
1,3-Dichlorobenzene	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
1,4-Dichlorobenzene	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
1,2-Dichlorobenzene	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
bis(2-Chloroisopropyl) ether	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
N-Nitroso-di-n-propylamine	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
Hexachloroethane	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
Nitrobenzene	ND		ug/L	24	0.94	257016	11/30/20	12/02/20	TJW
Isophorone	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
2-Nitrophenol	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
2,4-Dimethylphenol	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
bis(2-Chloroethoxy)methane	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
2,4-Dichlorophenol	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
1,2,4-Trichlorobenzene	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
Naphthalene	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
Hexachlorobutadiene	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
4-Chloro-3-methylphenol	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
Hexachlorocyclopentadiene	ND		ug/L	24	0.94	257016	11/30/20	12/02/20	TJW
2,4,6-Trichlorophenol	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
2-Chloronaphthalene	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
Dimethylphthalate	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
Acenaphthylene	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
2,6-Dinitrotoluene	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
Acenaphthene	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
2,4-Dinitrophenol	ND		ug/L	47	0.94	257016	11/30/20	12/02/20	TJW
4-Nitrophenol	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
2,4-Dinitrotoluene	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
Diethylphthalate	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
Fluorene	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
4-Chlorophenyl-phenylether	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW

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

ENTHALPY ANALYTICAL

Analysis Results for 436879

436879-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
4,6-Dinitro-2-methylphenol	ND		ug/L	47	0.94	257016	11/30/20	12/02/20	TJW
N-Nitrosodiphenylamine	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
1,2-diphenylhydrazine (as azobenzene)	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
4-Bromophenyl-phenylether	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
Hexachlorobenzene	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
Pentachlorophenol	ND		ug/L	24	0.94	257016	11/30/20	12/02/20	TJW
Phenanthrene	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
Anthracene	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
Di-n-butylphthalate	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
Fluoranthene	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
Pyrene	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
Butylbenzylphthalate	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
3,3'-Dichlorobenzidine	ND		ug/L	24	0.94	257016	11/30/20	12/02/20	TJW
Benzo(a)anthracene	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
Chrysene	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
bis(2-Ethylhexyl)phthalate	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
Di-n-octylphthalate	ND	b	ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
Benzo(b)fluoranthene	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
Benzo(k)fluoranthene	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
Benzo(a)pyrene	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
Indeno(1,2,3-cd)pyrene	ND	b	ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
Dibenz(a,h)anthracene	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
Benzo(g,h,i)perylene	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
3-,4-Methylphenol	ND		ug/L	9.4	0.94	257016	11/30/20	12/02/20	TJW
Surrogates				**Limits**					
2-Fluorophenol	19%	*	%REC	20-140	0.94	257016	11/30/20	12/02/20	TJW
Phenol-d6	14%	*	%REC	20-140	0.94	257016	11/30/20	12/02/20	TJW
2,4,6-Tribromophenol	41%		%REC	20-140	0.94	257016	11/30/20	12/02/20	TJW
Nitrobenzene-d5	38%		%REC	20-140	0.94	257016	11/30/20	12/02/20	TJW
2-Fluorobiphenyl	39%		%REC	20-140	0.94	257016	11/30/20	12/02/20	TJW
Terphenyl-d14	50%	b	%REC	20-140	0.94	257016	11/30/20	12/02/20	TJW
Method: SM 2550B									
Field Source Temperature	**22.9**		deg C		1	257671	11/24/20 10:30	11/24/20 10:30	SBC
Method: SM 4500-H+ B									
Field pH	**7.2**		SU		1	257671	11/24/20 10:30	11/24/20 10:30	SBC
Method: SM 4500-S2-D Prep Method: METHOD									
Dissolved Sulfide	ND		mg/L	0.10	1	257094	11/29/20 17:30	11/29/20 17:30	ATP

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

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

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC896981**	**Batch:**	**257016**
Matrix:	**Water**	**Method:**	**EPA 625**	**Prep Method:**	**EPA 3510C**

QC896981 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Benzoic acid	ND		ug/L	50	11/30/20	11/30/20
Benzidine	ND		ug/L	50	11/30/20	11/30/20
Benzyl alcohol	ND		ug/L	10	11/30/20	11/30/20
4-Chloroaniline	ND		ug/L	10	11/30/20	11/30/20
Dibenzofuran	ND		ug/L	10	11/30/20	11/30/20
2-Methylphenol	ND		ug/L	10	11/30/20	11/30/20
2-Methylnaphthalene	ND		ug/L	10	11/30/20	11/30/20
2-Nitroaniline	ND		ug/L	50	11/30/20	11/30/20
3-Nitroaniline	ND		ug/L	10	11/30/20	11/30/20
4-Nitroaniline	ND		ug/L	10	11/30/20	11/30/20
2,4,5-Trichlorophenol	ND		ug/L	10	11/30/20	11/30/20
N-Nitrosodimethylamine	ND		ug/L	10	11/30/20	11/30/20
Phenol	ND		ug/L	10	11/30/20	11/30/20
bis(2-Chloroethyl)ether	ND		ug/L	25	11/30/20	11/30/20
2-Chlorophenol	ND		ug/L	10	11/30/20	11/30/20
1,3-Dichlorobenzene	ND		ug/L	10	11/30/20	11/30/20
1,4-Dichlorobenzene	ND		ug/L	10	11/30/20	11/30/20
1,2-Dichlorobenzene	ND		ug/L	10	11/30/20	11/30/20
bis(2-Chloroisopropyl) ether	ND	b	ug/L	10	11/30/20	11/30/20
N-Nitroso-di-n-propylamine	ND		ug/L	10	11/30/20	11/30/20
Hexachloroethane	ND		ug/L	10	11/30/20	11/30/20
Nitrobenzene	ND		ug/L	25	11/30/20	11/30/20
Isophorone	ND		ug/L	10	11/30/20	11/30/20
2-Nitrophenol	ND		ug/L	10	11/30/20	11/30/20
2,4-Dimethylphenol	ND		ug/L	10	11/30/20	11/30/20
bis(2-Chloroethoxy)methane	ND		ug/L	10	11/30/20	11/30/20
2,4-Dichlorophenol	ND		ug/L	10	11/30/20	11/30/20
1,2,4-Trichlorobenzene	ND		ug/L	10	11/30/20	11/30/20
Naphthalene	ND		ug/L	10	11/30/20	11/30/20
Hexachlorobutadiene	ND		ug/L	10	11/30/20	11/30/20
4-Chloro-3-methylphenol	ND		ug/L	10	11/30/20	11/30/20
Hexachlorocyclopentadiene	ND	b	ug/L	25	11/30/20	11/30/20
2,4,6-Trichlorophenol	ND		ug/L	10	11/30/20	11/30/20
2-Chloronaphthalene	ND		ug/L	10	11/30/20	11/30/20
Dimethylphthalate	ND		ug/L	10	11/30/20	11/30/20
Acenaphthylene	ND		ug/L	10	11/30/20	11/30/20
2,6-Dinitrotoluene	ND		ug/L	10	11/30/20	11/30/20
Acenaphthene	ND		ug/L	10	11/30/20	11/30/20
2,4-Dinitrophenol	ND		ug/L	50	11/30/20	11/30/20
4-Nitrophenol	ND		ug/L	10	11/30/20	11/30/20
2,4-Dinitrotoluene	ND		ug/L	10	11/30/20	11/30/20
Diethylphthalate	ND		ug/L	10	11/30/20	11/30/20

ENTHALPY ANALYTICAL

Batch QC

QC896981 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Fluorene	ND		ug/L	10	11/30/20	11/30/20
4-Chlorophenyl-phenylether	ND		ug/L	10	11/30/20	11/30/20
4,6-Dinitro-2-methylphenol	ND		ug/L	50	11/30/20	11/30/20
N-Nitrosodiphenylamine	ND		ug/L	10	11/30/20	11/30/20
1,2-diphenylhydrazine (as azobenzene)	ND		ug/L	10	11/30/20	11/30/20
4-Bromophenyl-phenylether	ND		ug/L	10	11/30/20	11/30/20
Hexachlorobenzene	ND		ug/L	10	11/30/20	11/30/20
Pentachlorophenol	ND		ug/L	25	11/30/20	11/30/20
Phenanthrene	ND		ug/L	10	11/30/20	11/30/20
Anthracene	ND		ug/L	10	11/30/20	11/30/20
Di-n-butylphthalate	ND		ug/L	10	11/30/20	11/30/20
Fluoranthene	ND		ug/L	10	11/30/20	11/30/20
Pyrene	ND		ug/L	10	11/30/20	11/30/20
Butylbenzylphthalate	ND		ug/L	10	11/30/20	11/30/20
3,3'-Dichlorobenzidine	ND		ug/L	25	11/30/20	11/30/20
Benzo(a)anthracene	ND		ug/L	10	11/30/20	11/30/20
Chrysene	ND		ug/L	10	11/30/20	11/30/20
bis(2-Ethylhexyl)phthalate	ND		ug/L	10	11/30/20	11/30/20
Di-n-octylphthalate	ND		ug/L	10	11/30/20	11/30/20
Benzo(b)fluoranthene	ND		ug/L	10	11/30/20	11/30/20
Benzo(k)fluoranthene	ND		ug/L	10	11/30/20	11/30/20
Benzo(a)pyrene	ND		ug/L	10	11/30/20	11/30/20
Indeno(1,2,3-cd)pyrene	ND		ug/L	10	11/30/20	11/30/20
Dibenz(a,h)anthracene	ND		ug/L	10	11/30/20	11/30/20
Benzo(g,h,i)perylene	ND		ug/L	10	11/30/20	11/30/20
3-,4-Methylphenol	ND		ug/L	10	11/30/20	11/30/20
Surrogates				**Limits**		
2-Fluorophenol	29%		%REC	20-140	11/30/20	11/30/20
Phenol-d6	20%		%REC	20-140	11/30/20	11/30/20
2,4,6-Tribromophenol	21%	b	%REC	20-140	11/30/20	11/30/20
Nitrobenzene-d5	48%	b	%REC	20-140	11/30/20	11/30/20
2-Fluorobiphenyl	32%		%REC	20-140	11/30/20	11/30/20
Terphenyl-d14	33%		%REC	20-140	11/30/20	11/30/20

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC896982**	**Batch:**	**257016**
Matrix:	**Water**	**Method:**	**EPA 625**	**Prep Method:**	**EPA 3510C**

QC896982 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
2,4,5-Trichlorophenol	18.49	40.00	ug/L	46%		22-120
Phenol	13.37	40.00	ug/L	33%	b	17-120
2-Chlorophenol	17.84	40.00	ug/L	45%		36-120
1,4-Dichlorobenzene	13.83	40.00	ug/L	35%		18-120
N-Nitroso-di-n-propylamine	24.62	40.00	ug/L	62%	b	14-198
2,4-Dimethylphenol	20.33	40.00	ug/L	51%		32-120
1,2,4-Trichlorobenzene	13.75	40.00	ug/L	34%	*	57-130
4-Chloro-3-methylphenol	21.74	40.00	ug/L	54%		41-120
Acenaphthene	20.54	40.00	ug/L	51%	*	60-132
4-Nitrophenol	7.132	40.00	ug/L	18%		13-129
2,4-Dinitrotoluene	22.68	40.00	ug/L	57%		48-127
Pentachlorophenol	16.04	40.00	ug/L	40%		18-120
Pyrene	22.60	40.00	ug/L	56%	*	70-120
Chrysene	23.29	40.00	ug/L	58%		44-140
Benzo(b)fluoranthene	22.09	40.00	ug/L	55%		42-140
Surrogates						
2-Fluorophenol	12.83	40.00	ug/L	32%		20-140
Phenol-d6	10.08	40.00	ug/L	25%		20-140
2,4,6-Tribromophenol	13.48	40.00	ug/L	34%	b	20-140
Nitrobenzene-d5	20.84	40.00	ug/L	52%	b	20-140
2-Fluorobiphenyl	16.63	40.00	ug/L	42%		20-140
Terphenyl-d14	19.67	40.00	ug/L	49%		20-140

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample Duplicate	Lab ID: QC896983	Batch: 257016
Matrix: Water	Method: EPA 625	Prep Method: EPA 3510C

QC896983 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
2,4,5-Trichlorophenol	21.17	40.00	ug/L	53%		22-120	13	44
Phenol	11.56	40.00	ug/L	29%	b	17-120	15	37
2-Chlorophenol	18.21	40.00	ug/L	46%		36-120	2	37
1,4-Dichlorobenzene	15.20	40.00	ug/L	38%		18-120	9	42
N-Nitroso-di-n-propylamine	28.01	40.00	ug/L	70%	b	14-198	13	40
2,4-Dimethylphenol	22.04	40.00	ug/L	55%		32-120	8	47
1,2,4-Trichlorobenzene	15.87	40.00	ug/L	40%	*	57-130	14	42
4-Chloro-3-methylphenol	23.91	40.00	ug/L	60%		41-120	9	42
Acenaphthene	22.50	40.00	ug/L	56%	*	60-132	9	45
4-Nitrophenol	7.562	40.00	ug/L	19%		13-129	6	44
2,4-Dinitrotoluene	25.35	40.00	ug/L	63%		48-127	11	42
Pentachlorophenol	18.21	40.00	ug/L	46%		18-120	13	41
Pyrene	23.84	40.00	ug/L	60%	*	70-120	5	38
Chrysene	24.47	40.00	ug/L	61%		44-140	5	43
Benzo(b)fluoranthene	23.20	40.00	ug/L	58%		42-140	5	41
Surrogates								
2-Fluorophenol	12.17	40.00	ug/L	30%		20-140		
Phenol-d6	8.859	40.00	ug/L	22%		20-140		
2,4,6-Tribromophenol	15.95	40.00	ug/L	40%	b	20-140		
Nitrobenzene-d5	25.22	40.00	ug/L	63%	b	20-140		
2-Fluorobiphenyl	19.76	40.00	ug/L	49%		20-140		
Terphenyl-d14	20.61	40.00	ug/L	52%		20-140		

Type: Blank	Lab ID: QC897090	Batch: 257068
Matrix: Water	Method: SM2540D	Prep Method: METHOD

QC897090 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5	11/25/20	11/30/20

Type: Sample Duplicate	Lab ID: QC897091	Batch: 257068
Matrix (Source ID): Water (436896-001)	Method: SM2540D	Prep Method: METHOD

QC897091 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	227.0	223.0	mg/L		2	5	5

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC897171	Batch: 257094
Matrix: Water	Method: SM 4500-S2-D	Prep Method: METHOD

QC897171 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Dissolved Sulfide	ND		mg/L	0.10	11/29/20 17:30	11/29/20 17:30

Type: Lab Control Sample	Lab ID: QC897172	Batch: 257094
Matrix: Water	Method: SM 4500-S2-D	Prep Method: METHOD

QC897172 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Dissolved Sulfide	1.000	1.000	mg/L	100%		80-120

Type: Matrix Spike	Lab ID: QC897173	Batch: 257094
Matrix (Source ID): Water (436949-002)	Method: SM 4500-S2-D	Prep Method: METHOD

QC897173 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Dissolved Sulfide	1.000	ND	1.000	mg/L	100%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC897174	Batch: 257094
Matrix (Source ID): Water (436949-002)	Method: SM 4500-S2-D	Prep Method: METHOD

QC897174 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Dissolved Sulfide	1.000	ND	1.000	mg/L	100%		80-120	0	20	1

Type: Blank	Lab ID: QC897528	Batch: 257245
Matrix: Water	Method: SM5220D	Prep Method: METHOD

QC897528 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	12/02/20	12/02/20

Type: Lab Control Sample	Lab ID: QC897529	Batch: 257245
Matrix: Water	Method: SM5220D	Prep Method: METHOD

QC897529 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	98.00	100.0	mg/L	98%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC897530**	**Batch:**	**257245**
Matrix (Source ID):	**Water (436885-005)**	**Method:**	**SM5220D**	**Prep Method:**	**METHOD**

QC897530 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	112.0	25.00	100.0	mg/L	87%		75-125	2

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC897531**	**Batch:**	**257245**
Matrix (Source ID):	**Water (436885-005)**	**Method:**	**SM5220D**	**Prep Method:**	**METHOD**

QC897531 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	112.0	25.00	100.0	mg/L	87%		75-125	0	20	2

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC897822**	**Batch: 257349**
Matrix: Water	**Method: EPA 624**	**Prep Method: EPA 624**

QC897822 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
MTBE	ND		ug/L	5.0	12/04/20	12/04/20
Isopropyl Ether (DIPE)	ND		ug/L	5.0	12/04/20	12/04/20
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0	12/04/20	12/04/20
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0	12/04/20	12/04/20
tert-Butyl Alcohol (TBA)	ND		ug/L	10	12/04/20	12/04/20
m,p-Xylenes	ND		ug/L	10	12/04/20	12/04/20
o-Xylene	ND		ug/L	5.0	12/04/20	12/04/20
Chloromethane	ND		ug/L	1.0	12/04/20	12/04/20
Vinyl Chloride	ND		ug/L	0.5	12/04/20	12/04/20
Bromomethane	ND		ug/L	1.0	12/04/20	12/04/20
Chloroethane	ND		ug/L	1.0	12/04/20	12/04/20
1,1-Dichloroethene	ND		ug/L	0.5	12/04/20	12/04/20
Methylene Chloride	ND		ug/L	10	12/04/20	12/04/20
trans-1,2-Dichloroethene	ND		ug/L	0.5	12/04/20	12/04/20
1,1-Dichloroethane	ND		ug/L	0.5	12/04/20	12/04/20
Chloroform	ND		ug/L	0.5	12/04/20	12/04/20
1,1,1-Trichloroethane	ND		ug/L	0.5	12/04/20	12/04/20
Carbon Tetrachloride	ND		ug/L	0.5	12/04/20	12/04/20
1,2-Dichloroethane	ND		ug/L	0.5	12/04/20	12/04/20
Benzene	ND		ug/L	5.0	12/04/20	12/04/20
Trichloroethene	ND		ug/L	0.5	12/04/20	12/04/20
1,2-Dichloropropane	ND		ug/L	0.5	12/04/20	12/04/20
Bromodichloromethane	ND		ug/L	0.5	12/04/20	12/04/20
cis-1,3-Dichloropropene	ND		ug/L	0.5	12/04/20	12/04/20
Toluene	ND		ug/L	5.0	12/04/20	12/04/20
trans-1,3-Dichloropropene	ND		ug/L	0.5	12/04/20	12/04/20
1,1,2-Trichloroethane	ND		ug/L	0.5	12/04/20	12/04/20
Tetrachloroethene	ND		ug/L	0.5	12/04/20	12/04/20
Dibromochloromethane	ND		ug/L	0.5	12/04/20	12/04/20
Chlorobenzene	ND		ug/L	0.5	12/04/20	12/04/20
Ethylbenzene	ND		ug/L	5.0	12/04/20	12/04/20
Bromoform	ND		ug/L	1.0	12/04/20	12/04/20
1,1,2,2-Tetrachloroethane	ND		ug/L	0.5	12/04/20	12/04/20
2-Chloroethylvinylether	ND		ug/L	20	12/04/20	12/04/20
Xylene (total)	ND		ug/L	15	12/04/20	12/04/20
Surrogates				**Limits**		
Dibromofluoromethane	99%		%REC	70-140	12/04/20	12/04/20
1,2-Dichloroethane-d4	99%		%REC	70-140	12/04/20	12/04/20
Toluene-d8	102%		%REC	70-140	12/04/20	12/04/20
Bromofluorobenzene	111%		%REC	70-140	12/04/20	12/04/20

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID: QC897823**	**Batch: 257349**
Matrix: Water	**Method: EPA 624**	**Prep Method: EPA 624**

QC897823 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
MTBE	47.31	50.00	ug/L	95%		70-130
1,1-Dichloroethene	43.11	50.00	ug/L	86%		70-135
Benzene	44.24	50.00	ug/L	88%		70-130
Trichloroethene	47.64	50.00	ug/L	95%		70-130
Toluene	43.30	50.00	ug/L	87%		70-130
Chlorobenzene	45.07	50.00	ug/L	90%		70-130
Surrogates						
Dibromofluoromethane	52.11	50.00	ug/L	104%		70-140
1,2-Dichloroethane-d4	51.39	50.00	ug/L	103%		70-140
Toluene-d8	49.61	50.00	ug/L	99%		70-140
Bromofluorobenzene	49.41	50.00	ug/L	99%		70-140

Type: Lab Control Sample Duplicate	**Lab ID: QC897824**	**Batch: 257349**
Matrix: Water	**Method: EPA 624**	**Prep Method: EPA 624**

QC897824 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
MTBE	52.05	50.00	ug/L	104%		70-130	10	30
1,1-Dichloroethene	45.45	50.00	ug/L	91%		70-135	5	30
Benzene	46.95	50.00	ug/L	94%		70-130	6	30
Trichloroethene	50.10	50.00	ug/L	100%		70-130	5	30
Toluene	45.59	50.00	ug/L	91%		70-130	5	30
Chlorobenzene	46.83	50.00	ug/L	94%		70-130	4	30
Surrogates								
Dibromofluoromethane	52.72	50.00	ug/L	105%		70-140		
1,2-Dichloroethane-d4	52.62	50.00	ug/L	105%		70-140		
Toluene-d8	49.11	50.00	ug/L	98%		70-140		
Bromofluorobenzene	50.27	50.00	ug/L	101%		70-140		

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

APPENDIX B

LNAPL HAZARDOUS WASTE MANIFEST

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CA8971524360
2. Page 1 of: 1
3. Emergency Response Phone: (424) 347-3088
4. Manifest Tracking Number: 015011657 FLE

GENERATOR

5. Generator's Name and Mailing Address:
Defense Logistics Agency - Energy
Attn: Todd Williams
3171 North Gaffey St.
San Pedro, CA 90731
Generator's Phone: (424) 347-3088

Generator's Site Address (if different than mailing address):
DFSP 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:
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)	01	DM	40	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
ERGI: 128 - Jet Fuel
Apex Contact - Glenn Andrasko
714-608-1089
WEAR ALL APPROPRIATE PROTECTIVE CLOTHING
BESI:322507
1 X 55

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: Todd E.H. Williams
Signature:
Month: 10 Day: 23 Year: 20

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: Frank Salazar
Signature:
Month: 10 Day: 23 Year: 20

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: Roland Velazquez
Signature:
Month: 10 Day: 30 Year: 20

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

DESIGNATED FACILITY TO GENERATOR