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May 12, 2020

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Dear Mr. Cho:

Enclosed is one electronic copy of the *Remediation Status Report – First Quarter 2020, Defense Fuel Support Point Norwalk* (SCP NO. 0286A, SITE ID No. 16638) located at 15306 Norwalk Boulevard, Norwalk, California. This report summarizes remediation system operations during the reporting period of the first quarter in 2020 (January 1, 2020 through March 31, 2020).

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,

William Y Potter
Digitally signed by POTTER.WILLIAM.Y.1394566272
Date: 2020.05.11 12:00:45 -04'00'

William Y. Potter, P.G.
Chief, Restoration Branch
DLA Energy

Enclosure
As stated

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

REMEDIATION STATUS REPORT - FIRST QUARTER 2020

DEFENSE FUEL SUPPORT POINT NORWALK
15306 Norwalk Boulevard
Norwalk, California

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

Prepared For:

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LIST OF ACRONYMS

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 Energy	Defense Logistics Agency Installation Management for Energy (DM-FEE) 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
PFAS	polyfluoroalkyl substances
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 Installation Management for Energy (DM-FEE) Environmental Division Restoration Branch (DLA Energy), The Source Group, Inc. (SGI) presents this report to summarize remediation system operations during this reporting period (First Quarter 2020 – January 1, 2019 through March 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 metals 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 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.

1.2.2.1 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 conducted in accordance with SCAQMD Permit to Construct A/N 568793, formerly Permit to Operate G12863, A/N 518989. The current 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.

1.2.2.2 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 shutdown 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.

1.2.3 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.

1.2.4 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 7V. A map showing the October 30, 2019 extent of measurable LNAPL 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 groundwater effluent samples from the GWETS in accordance with Industrial Wastewater Discharge permit number 22453.
- Collected groundwater effluent samples for polyfluoroalkyl substances (PFAS; a component of aqueous film forming foam) analysis.
- 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-13, GW-15, 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. PFAS sampling will be conducted monthly.

Well GW-13 in the northwest corner of the Site was shut down on December 3, 2019 and well GW-2 was shut down on February 12, 2020; both wells were shut down due to insufficient production. 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 will begin pumping pending installation of the new well pumps.

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 10,000 micrograms per liter (µg/L), 7.10 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 6.6 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 through 7D 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 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 (i.e., portion of total AST product volume assigned to each pump calculated from well-specific cycle duration and frequency values 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. Product recovery system OM&M details during this quarter are provided in Tables 7D through 7V.

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, estimated 9,947 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).

During this quarter, wells (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, TFR-21, TFR-26, TFR-27, TFR-28, TFR-34; (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 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).

The total mass of VOCs removed via the carbon and the thermal oxidizer extraction systems during this period was approximately 52,487 pounds (143 pounds via the carbon VES and 52,344 pounds via the thermal oxidizer VES). An estimated 2,983,056 pounds have been removed since April 1996 (Table 3C) via the carbon VES and approximately 200,535 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.

During this reporting period, 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 were brought online 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 onsite wells GMW-7, TF-19, TFR-9, GMW-18, TFR-12, TF-15, 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, TF-18, RTF-18-NNW, and RTF-18W (Tables 7A through 7V). Overall, LNAPL thickness and removal rates decreased in First Quarter 2020.

A total of approximately 77 gallons (522 pounds) of LNAPL was removed from the Site during this quarter, and an estimated 10,165 gallons (68,992 pounds) of LNAPL has been removed since January 2014.

3.5 LNAPL Removal Via Bailing, Skimming and Absorbent Socks

Approximately 6.3 gallons (43 pounds) of LNAPL was removed via manual bailing, active pumping using a portable product skimmer and/or by utilizing absorbent socks from wells GMW-62, GMW-68, GMW-7, and TF-19 (Tables 7A through 7D, respectively).

3.6 LNAPL Removal Via Product Recovery System

Wells TFR-9, GMW-18, TFR-12, 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-18E in early January 2019 and was taken back off-line in late February 2019 due to insufficient yield. Pumping resumed in September 2019, and shutdown 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-14, 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 71 gallons (479 pounds) of LNAPL was pumped from wells TFR-18, TFR-22, TFR-24, and RTF-18-E during this reporting period, with most LNAPL recovered from wells TFR-22 (301 pounds) and TFR-18 (89 pounds).

LNAPL gauging results along with cumulative mass and volume removal estimates are summarized in Tables 7A through 7V. As the tables indicate, product thicknesses generally decreased during the current reporting period. Consequently, wells TFR-18 and TFR-22 were the only active pumping wells 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. The utility planner continues to work on the design for the planned electrical upgrade and service relocation from its current location in the northeastern corner of the eastern 15-acre parcel.

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 wells GW-15 and 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. LNAPL recovery was sufficient to allow for pumping in wells TFR-18, TFR-22, TFR-24, and RTF-18-E. Currently, wells TFR-18 and TFR-22 are the only active pumping wells.

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

For all active pumping wells, adjustments will continue to be made to the associated extraction frequency and duration of each pump cycle to help maximize LNAPL yields without isolating the well from the product plume. Future adjustments to all such wells may also be made on the basis of

periodic bail down testing conducted to establish current transmissivity values for correlating apparent to actual product thicknesses.

Biosparging operations will 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 SECOND QUARTER 2020 ACTIVITIES

During the next reporting period, DLA Energy plans to continue to focus in-situ remedial efforts on the central area, eastern area, and southern area of the Site along with completing the remaining activities necessary to expand biosparge system operations to full-scale. Following is a summary of planned Second Quarter 2020 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-18E, RTF-18-NW, RTF-18-N, RTF-18-NNW, RTF-18-W, TF-18, TFR-27, and GMW-45.
- Gauge wells TFR-17, TFR-19, TFR-32, TFR-30, TFR-5, TFR-7, TFR-21, and TFR-26 periodically as SVE is applied (via the thermal oxidizer VES) in order to evaluate any appearance and/or increase in LNAPL thicknesses and the potential for active/passive product recovery.
- Continue controlled product recovery system OM&M from wells TFR-22, TFR-18, TFR-24, TFR-29, and RTF-18-E, located in the north-central portion of the Site, with focused efforts in wells where LNAPL yields are the most significant.
- 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 phased expansion of 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 expand biosparge system operation in areas with dissolved impacts but no measurable in-well LNAPL (e.g. north-central areas).
- Continue regular 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.
- Begin groundwater extraction from newly connected wells GMW-31 and GW-14R.

Ongoing remediation activities and progress will be described in the *Second Quarter 2020 Remediation Progress Report* to be submitted by August 15, 2020.

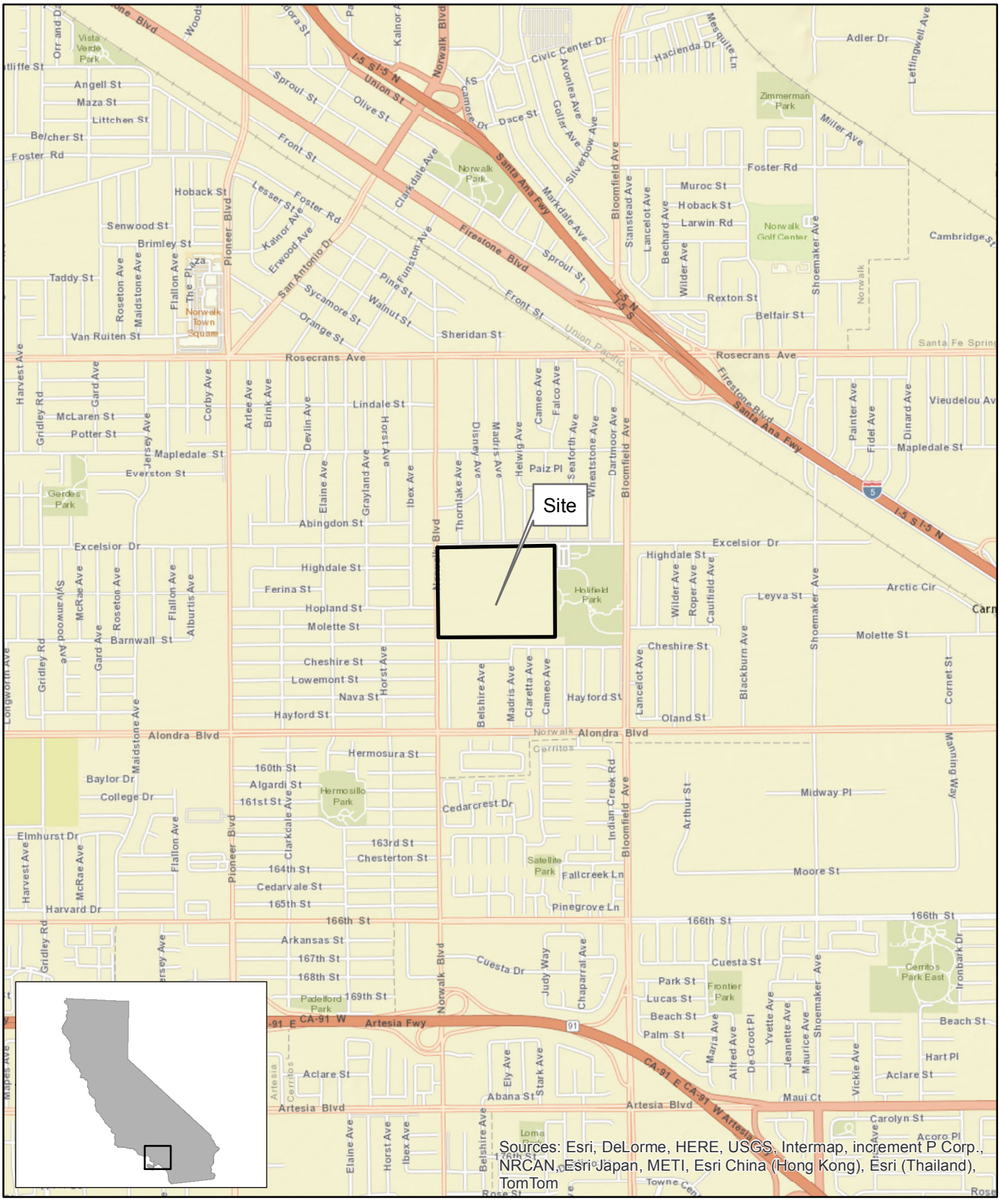
6.0 LIMITATIONS

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

To the extent that this report is based on information provided to SGI by third parties, including DLA Energy, 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 Energy 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



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ESRI 7.5 MINUTE TOPOGRAPHIC MAP. http://resources.esri.com/arcgisonlineservices	04-NDLA-003	5/28/2014	JK	PP	0 1,000 2,000 4,000 Feet	

SGI environmental THE SOURCE GROUP, INC.
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

Excelsior Dr

Norwalk Blvd

Powerine Basin

80001

80002

80004

80005

80006

80007

80008

80009

80013

55003

55004

80017

Tank

Tank

Legend

- 80001 — 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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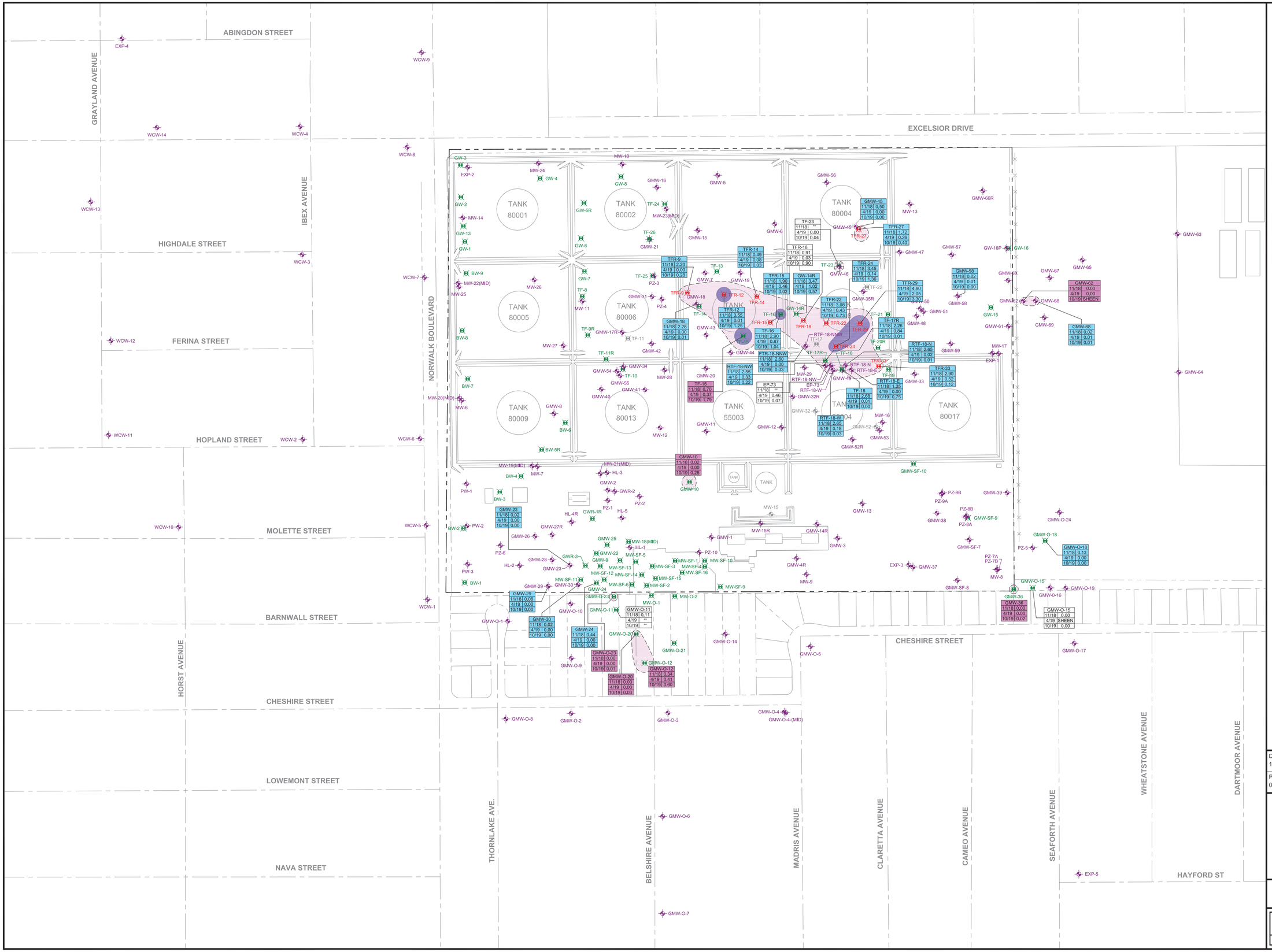
Figure 2

Document Path: B:\DLA-Norwalk\DLA-Norwalk\GIS Maps\Biosparging 2016-2017\Fig-2 All Well&Piping Connections 01312020.mxd



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
TFR-18 11/18 0.91 4/19 0.03 10/19 0.90	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 NOVEMBER 2018 MONITORING EVENT, OR THE DATASET SHOWN DOES NOT PROVIDE A BASIS FOR COMPARISON
GMW-10 11/18 0.02 4/19 0.00 10/19 0.28	WHERE THE DATABOX IS SHOWN IN PINK, THE MEASURED PRODUCT THICKNESS HAS INCREASED BY 10% OR MORE AT THAT LOCATION SINCE THE NOVEMBER 2018 MONITORING EVENT
TFR-22 11/18 3.08 4/19 0.43 10/19 0.73	WHERE THE DATABOX IS SHOWN IN BLUE, THE MEASURED PRODUCT THICKNESS HAS DECREASED BY 10% OR MORE AT THAT LOCATION SINCE THE NOVEMBER 2018 MONITORING EVENT
--	NOT MEASURED
◌	ESTIMATED EXTENT OF MEASURABLE LIGHT NONAQUEOUS PHASE LIQUID (LNAPL, FLOATING PRODUCT) ON GROUNDWATER DARKER SHADING INDICATES GREATER THAN 1 FOOT (MEASURED THICKNESS) OF FLOATING PRODUCT

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

N

DATE:	FILE NAME:
12/2019	DFSP-Norwalk-SE2-19.dwg

PROJECT No.:	CONTRACT:
091-NDLA-018	SPO-600-14-D-5410

DISTRIBUTION OF FLOATING PRODUCT ON GROUNDWATER SECOND SEMIANNUAL 2019 MONITORING EVENT

DFSP NORWALK

15306 NORWALK BOULEVARD
NORWALK, CALIFORNIA

SGI environmental APEX

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
		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
		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

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	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
		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

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
		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
Central Area	North (AST 80002, AST 80004, AST 80006, AST 80007, AST 80008, AST 80013, AST 55003, AST 55004)	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
		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

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-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
		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
Eastern Area	North	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
		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

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	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
Southern Area	Former Truck Fueling Area and Adjacent Water Tank Area	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
		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

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

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 - January

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	GW-2 Totalizer Reading (gallons)	GW-13 Totalizer Reading (gallons)	GW-15 Totalizer Reading (gallons)	GW-16 Totalizer Reading (gallons)	Groundwater Extracted from North-East Area (gallons)	Groundwater Extracted from North-West Area (gallons)	Discharge Totalizer Reading (gallons)	Groundwater Extracted and Treated Per Day (gallons)	Influent DRO (ug/L)	Cumulative DRO Removed [A] (lb)
1/1/20	*		321,413	202,163	644,621	1,053,974	1,698,595	523,576	1,313,145	2,568	--	9,946
1/2/20	*		321,413	203,305	645,779	1,054,537	1,700,315	524,718	1,315,713	2,568	--	9,946
1/3/20	*		321,413	204,447	646,936	1,055,099	1,702,035	525,860	1,318,280	2,568	--	9,946
1/4/20	*		321,413	205,589	648,094	1,055,661	1,703,755	527,002	1,320,848	2,568	--	9,946
1/5/20	*		321,413	206,731	649,252	1,056,223	1,705,475	528,144	1,323,415	2,568	--	9,946
1/6/20	*		321,413	207,873	650,410	1,056,785	1,707,196	529,286	1,325,983	2,568	--	9,946
1/7/20	*		321,413	209,015	651,568	1,057,348	1,708,916	530,428	1,328,550	2,568	--	9,946
1/8/20	*		321,413	210,157	652,726	1,057,910	1,710,636	531,570	1,331,118	2,568	--	9,946
1/9/20	*		321,413	211,299	653,884	1,058,472	1,712,356	532,712	1,333,686	2,568	--	9,946
1/10/20	Technician		321,413	212,635	655,239	1,059,130	1,714,369	534,048	1,336,690	3,004	--	9,946
1/11/20	*		321,413	213,753	656,164	1,061,964	1,718,127	535,167	1,341,544	4,854	--	9,946
1/12/20	*		321,413	214,872	657,089	1,064,797	1,721,886	536,285	1,346,398	4,854	--	9,946
1/13/20	*		321,413	215,990	658,014	1,067,631	1,725,645	537,403	1,351,252	4,854	--	9,946
1/14/20	*		321,413	217,108	658,939	1,070,465	1,729,404	538,521	1,356,106	4,854	--	9,946
1/15/20	Technician		321,413	218,202	659,844	1,073,238	1,733,082	539,616	1,360,855	4,749	--	9,946
1/16/20	*		321,413	219,230	660,419	1,075,972	1,736,391	540,643	1,365,198	4,343	--	9,946
1/17/20	*		321,413	220,257	660,994	1,078,706	1,739,700	541,670	1,369,540	4,343	--	9,946
1/18/20	*		321,413	221,284	661,569	1,081,441	1,743,010	542,698	1,373,883	4,343	--	9,946
1/19/20	*		321,413	222,312	662,144	1,084,175	1,746,319	543,725	1,378,225	4,343	--	9,946
1/20/20	*		321,413	223,339	662,718	1,086,910	1,749,628	544,752	1,382,568	4,343	--	9,946
1/21/20	*		321,413	224,366	663,293	1,089,644	1,752,938	545,780	1,386,910	4,343	--	9,946
1/22/20	Technician		321,413	225,258	663,792	1,092,018	1,755,810	546,671	1,390,680	3,770	--	9,946
1/23/20	*		321,413	226,276	664,044	1,094,869	1,758,913	547,689	1,394,480	3,800	--	9,946
1/24/20	*		321,413	227,294	664,296	1,097,720	1,762,016	548,707	1,398,279	3,800	--	9,946
1/25/20	*		321,413	228,312	664,549	1,100,571	1,765,119	549,725	1,402,079	3,800	--	9,946
1/26/20	*		321,413	229,330	664,801	1,103,422	1,768,222	550,743	1,405,878	3,800	--	9,946
1/27/20	*		321,413	230,348	665,053	1,106,273	1,771,326	551,761	1,409,678	3,800	--	9,946
1/28/20	*		321,413	231,366	665,305	1,109,124	1,774,429	552,779	1,413,478	3,800	--	9,946
1/29/20	*		321,413	232,384	665,557	1,111,975	1,777,532	553,797	1,417,277	3,800	--	9,946
1/30/20	Technician	1	321,413	233,392	665,807	1,114,798	1,780,605	554,805	1,421,040	3,763	790.00	9,946
1/31/20	*		321,413	233,394	665,846	1,117,400	1,783,246	554,807	1,423,564	2,524	--	9,946

Cumulative Groundwater Discharged by the GWETS to Date (gallons)							
Period	January	Quarter 1, 2020	Quarter 2, 2020	Quarter 3, 2020	Quarter 4, 2020	2020 to Date	April 1996 to Date
Volume	112,943	112,986	--	--	--	112,986	79,836,271

Cumulative Mass DRO Removed by the GWETS [A] (lb)			
Period	January	Quarter 1 to Date	April 1996 to Date
Mass	0.07	0.07	9,946.0

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

Legend / Notes:

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

Groundwater extraction wells on line this month: GW-2, GW-13, GW-15, and GW-16.

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

GWETS = Groundwater extraction and treatment system

µg/L - Micrograms per liter

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

-- = Not applicable

lb = Pounds

DRO = Diesel range organics

TABLE 2B

Groundwater Extraction and Treatment System Operations Summary - February

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	GW-2 Totalizer Reading (gallons)	GW-13 Totalizer Reading (gallons)	GW-15 Totalizer Reading (gallons)	GW-16 Totalizer Reading (gallons)	Groundwater Extracted from North-East Area (gallons)	Groundwater Extracted from North-West Area (gallons)	Discharge Totalizer Reading (gallons)	Groundwater Extracted and Treated Per Day (gallons)	Influent DRO (ug/L)	Cumulative DRO Removed [A] (lb)
2/1/20	*		321,413	233,396	665,885	1,120,002	1,785,887	554,809	1,426,088	2,524	--	9,946
2/2/20	*		321,413	233,398	665,924	1,122,604	1,788,528	554,811	1,428,612	2,524	--	9,946
2/3/20	*		321,413	233,399	665,963	1,125,206	1,791,169	554,813	1,431,136	2,524	--	9,946
2/4/20	Technician		321,413	233,402	666,008	1,128,206	1,794,214	554,815	1,434,045	2,909	--	9,946
2/5/20	*		321,413	233,402	666,008	1,130,509	1,796,517	554,815	1,436,261	2,216	--	9,946
2/6/20	*		321,413	233,402	666,008	1,132,813	1,798,821	554,815	1,438,478	2,216	--	9,946
2/7/20	*		321,413	233,402	666,008	1,135,117	1,801,125	554,815	1,440,694	2,216	--	9,946
2/8/20	*		321,413	233,402	666,008	1,137,420	1,803,428	554,815	1,442,910	2,216	--	9,946
2/9/20	*		321,413	233,402	666,008	1,139,724	1,805,732	554,815	1,445,126	2,216	--	9,946
2/10/20	*		321,413	233,402	666,008	1,142,028	1,808,036	554,815	1,447,343	2,216	--	9,946
2/11/20	*		321,413	233,402	666,008	1,144,331	1,810,339	554,815	1,449,559	2,216	--	9,946
2/12/20	*	1	321,413	233,402	666,008	760,833	1,812,643	554,815	1,451,775	2,216	--	9,946
2/13/20	*		321,413	233,402	666,008	1,148,939	1,814,947	554,815	1,453,992	2,216	--	9,946
2/14/20	Technician		321,413	233,402	666,008	1,150,923	1,816,930	554,815	1,455,900	1,908	--	9,946
2/15/20	*		321,413	233,402	666,040	1,153,725	1,819,764	554,815	1,458,747	2,847	--	9,946
2/16/20	*		321,413	233,402	666,071	1,156,527	1,822,598	554,815	1,461,594	2,847	--	9,946
2/17/20	*		321,413	233,402	666,103	1,159,330	1,825,432	554,815	1,464,441	2,847	--	9,946
2/18/20	*		321,413	233,402	666,134	1,162,132	1,828,266	554,815	1,467,288	2,847	--	9,946
2/19/20	*		321,413	233,402	666,166	1,164,934	1,831,100	554,815	1,470,135	2,847	--	9,946
2/20/20	*		321,413	233,402	666,198	1,167,737	1,833,934	554,815	1,472,982	2,847	--	9,946
2/21/20	Technician		321,413	233,402	666,228	1,170,432	1,836,660	554,815	1,475,720	2,738	--	9,946
2/22/20	*		321,413	233,402	666,383	1,172,442	1,838,825	554,815	1,477,630	1,910	--	9,946
2/23/20	*		321,413	233,402	666,539	1,174,452	1,840,991	554,815	1,479,539	1,910	--	9,946
2/24/20	*		321,413	233,402	666,694	1,176,462	1,843,156	554,815	1,481,449	1,910	--	9,946
2/25/20	*		321,413	233,402	666,850	1,178,471	1,845,321	554,815	1,483,359	1,910	--	9,946
2/26/20	Technician		321,413	233,402	667,011	1,180,551	1,847,562	554,815	1,485,335	1,976	--	9,946
2/27/20	*		321,413	233,402	667,068	1,182,565	1,849,633	554,815	1,487,340	2,005	--	9,946
2/28/20	*		321,413	233,402	667,126	1,184,578	1,851,704	554,815	1,489,346	2,005	--	9,946
2/29/20	*		321,413	233,402	667,183	1,186,592	1,853,775	554,815	1,491,351	2,005	--	9,946

Cumulative Groundwater Discharged by the GWETS (gallons)							
Period	February	Quarter 1, 2020	Quarter 2, 2020	Quarter 3, 2020	Quarter 4, 2020	2020 to Date	April 1996 to Date
Volume	67,788	180,774	--	--	--	180,774	79,904,058

Cumulative Mass DRO Removed by the GWETS [A] (lb)			
Period	February	Quarter 1 to Date	April 1996 to Date
Mass	0.43	0.50	9,946.5

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

Legend / Notes:

1 = Pumps removed from wells GW-2 and GW-13 for service, wells inactive after 2/12/20.

Groundwater extraction wells on line this month: GW-2, GW-13, GW-15, and GW-16.

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

GWETS = Groundwater extraction and treatment system

µg/L - Micrograms per liter

A = Hydrocarbon removal is calculated using analytical laboratory result for DRO (if not detected, half the detection limit used) from sample collected on January 30, 2020.

-- = Not applicable

lb = Pounds

DRO = Diesel range organics

TABLE 2C

Groundwater Extraction and Treatment System Operations Summary - March

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	GW-2 Totalizer Reading (gallons)	GW-13 Totalizer Reading (gallons)	GW-15 Totalizer Reading (gallons)	GW-16 Totalizer Reading (gallons)	Groundwater Extracted from North-East Area (gallons)	Groundwater Extracted from North-West Area (gallons)	Discharge Totalizer Reading (gallons)	Groundwater Extracted and Treated Per Day (gallons)	Influent DRO (ug/L)	Cumulative DRO Removed [A] (lb)
3/1/20	*		321,413	233,402	667,240	1,188,606	1,855,846	554,815	1,493,357	2,005	--	9,946
3/2/20	*		321,413	233,402	667,298	1,190,620	1,857,917	554,815	1,495,362	2,005	--	9,947
3/3/20	*		321,413	233,402	667,355	1,192,633	1,859,988	554,815	1,497,368	2,005	--	9,947
3/4/20	*		321,413	233,402	667,412	1,194,647	1,862,059	554,815	1,499,373	2,005	--	9,947
3/5/20	*		321,413	233,402	667,470	1,196,661	1,864,130	554,815	1,501,379	2,005	--	9,947
3/6/20	Technician		321,413	233,402	667,535	1,198,961	1,866,496	554,815	1,503,670	2,291	--	9,947
3/7/20	*		321,413	233,402	667,535	1,200,960	1,868,495	554,815	1,505,743	2,073	--	9,947
3/8/20	*		321,413	233,402	667,535	1,202,958	1,870,493	554,815	1,507,815	2,073	--	9,947
3/9/20	*		321,413	233,402	667,535	1,204,957	1,872,492	554,815	1,509,888	2,073	--	9,947
3/10/20	*		321,413	233,402	667,535	1,206,955	1,874,490	554,815	1,511,961	2,073	--	9,947
3/11/20	Technician	1	321,413	233,402	667,535	1,208,801	1,876,336	554,815	1,513,875	1,914	370	9,947
3/12/20	*		321,413	233,402	667,535	1,210,745	1,878,280	554,815	1,515,702	1,827	--	9,947
3/13/20	*		321,413	233,402	667,535	1,212,689	1,880,224	554,815	1,517,528	1,827	--	9,947
3/14/20	*		321,413	233,402	667,535	1,214,633	1,882,168	554,815	1,519,355	1,827	--	9,947
3/15/20	*		321,413	233,402	667,535	1,216,576	1,884,112	554,815	1,521,181	1,827	--	9,947
3/16/20	*		321,413	233,402	667,535	1,218,520	1,886,056	554,815	1,523,008	1,827	--	9,947
3/17/20	*		293,114	113,804	667,535	796,262	1,887,999	554,815	1,524,835	1,827	--	9,947
3/18/20	*		321,413	233,402	667,535	798,740	1,889,943	554,815	1,526,661	1,827	--	9,947
3/19/20	*		321,413	233,402	667,535	1,224,352	1,891,887	554,815	1,528,488	1,827	--	9,947
3/20/20	*		321,413	233,402	667,535	1,226,296	1,893,831	554,815	1,530,315	1,827	--	9,947
3/21/20	*		321,413	233,402	667,535	1,228,240	1,895,775	554,815	1,532,141	1,827	--	9,947
3/22/20	*		321,413	233,402	667,535	1,230,183	1,897,719	554,815	1,533,968	1,827	--	9,947
3/23/20	Technician		321,413	233,402	667,535	1,232,080	1,899,615	554,815	1,535,750	1,782	--	9,947
3/24/20	*		321,413	233,402	667,535	1,233,306	1,900,842	554,815	1,536,846	1,096	--	9,947
3/25/20	*		321,413	233,402	667,535	1,234,533	1,902,068	554,815	1,537,941	1,096	--	9,947
3/26/20	*		321,413	233,402	667,535	1,235,759	1,903,294	554,815	1,539,037	1,096	--	9,947
3/27/20	*		321,413	233,402	667,535	1,236,986	1,904,521	554,815	1,540,132	1,096	--	9,947
3/28/20	*		321,413	233,402	667,535	1,238,212	1,905,747	554,815	1,541,228	1,096	--	9,947
3/29/20	*		321,413	233,402	667,535	1,239,438	1,906,974	554,815	1,542,324	1,096	--	9,947
3/30/20	*		321,413	233,402	667,535	1,240,665	1,908,200	554,815	1,543,419	1,096	--	9,947
3/31/20	Technician		321,413	233,402	667,535	1,242,015	1,909,550	554,815	1,544,625	1,206	--	9,947

Cumulative Groundwater Discharged by the GWETS (gallons)							
Period	March	Quarter 1, 2020	Quarter 2, 2020	Quarter 3, 2020	Quarter 4, 2020	2020 to Date	April 1996 to Date
Volume	53,274	234,047	--	--	--	234,047	79,957,332

Cumulative Mass DRO Removed by the GWETS [A] (lb)			
Period	March	Quarter 1 to Date	April 1996 to Date
Mass	0.22	0.72	9,946.7

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

Legend / Notes:

1 = Collected monthly influent, intermediate, and effluent water samples for laboratory analysis.
Groundwater extraction wells on line this month: GW-15, and GW-16.
* = Operational values interpolated from chart recorder data or previous monitoring event.

GWETS = Groundwater extraction and treatment system
µg/L - Micrograms per liter
A = Hydrocarbon removal is calculated using analytical laboratory result for DRO (if not detected, half the detection limit used) from sample collected this month.
-- = Not applicable
lb = Pounds
DRO = Diesel range organics

TABLE 3A

Carbon Vapor Extraction System Operations Summary - January

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)
01/01/20	Offline	1	57,590	524	--	--	--	--	--	2,982,913
01/02/20	Offline	1	57,590	524	--	--	--	--	--	2,982,913
01/03/20	Offline	1	57,590	524	--	--	--	--	--	2,982,913
01/04/20	Offline	1	57,590	524	--	--	--	--	--	2,982,913
01/05/20	Offline	1	57,590	524	--	--	--	--	--	2,982,913
01/06/20	Offline	1	57,590	524	--	--	--	--	--	2,982,913
01/07/20	Offline	1	57,590	524	--	--	--	--	--	2,982,913
01/08/20	Technician	2	57,594	543	2.9	86	--	16.6	0.3	2,982,913
01/09/20	*		57,617	543	--	--	--	--	--	2,982,914
01/10/20	*		57,640	543	--	--	--	--	--	2,982,915
01/11/20	*		57,663	543	--	--	--	--	--	2,982,916
01/12/20	*		57,686	543	--	--	--	--	--	2,982,917
01/13/20	*		57,709	543	--	--	--	--	--	2,982,918
01/14/20	*		57,732	543	--	--	--	--	--	2,982,919
01/15/20	Technician	3	57,755	534	3.5	90	<5.7	14.8	1.3	2,982,920
01/16/20	*		57,779	534	--	--	--	--	--	2,982,921
01/17/20	*		57,803	534	--	--	--	--	--	2,982,922
01/18/20	*		57,827	534	--	--	--	--	--	2,982,924
01/19/20	*		57,851	534	--	--	--	--	--	2,982,925
01/20/20	*		57,875	534	--	--	--	--	--	2,982,926
01/21/20	*		57,898	534	--	--	--	--	--	2,982,927
01/22/20	Technician		57,922	550	3.5	92	--	26.7	0.0	2,982,928
01/23/20	*		57,947	550	--	--	--	--	--	2,982,929
01/24/20	*		57,973	550	--	--	--	--	--	2,982,930
01/25/20	*		57,998	550	--	--	--	--	--	2,982,931
01/26/20	*		58,023	550	--	--	--	--	--	2,982,932
01/27/20	Technician		58,048	570	3.5	113	--	29.8	0.0	2,982,933
01/28/20	*		58,064	570	--	--	--	--	--	2,982,934
01/29/20	*		58,081	570	--	--	--	--	--	2,982,935
01/30/20	*		58,097	570	--	--	--	--	--	2,982,936
01/31/20	*		58,113	570	--	--	--	--	--	2,982,937

Cumulative Mass TPHg Removed by the VES [D] (lb)			
Period	January	Quarter 1 to Date	April 1996 to Date
Mass	24	24	2,982,937

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

Legend / Notes:

1 = VES manually shut down in advance of scheduled carbon change out work.

2 = VES restarted following completion of carbon change out work.

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

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

-- = Not applicable or not measured

Vapor extraction wells on line this month: HW-1, HW-5, HW-7, HW-8, and HW-9

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 - February

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)
02/01/20	*		58,166	570	--	--	--	--	--	2,982,937
02/02/20	*		58,190	570	--	--	--	--	--	2,982,937
02/03/20	*		58,213	570	--	--	--	--	--	2,982,938
02/04/20	*		58,237	570	--	--	--	--	--	2,982,938
02/05/20	Technician		58,261	543	3	98	--	15	0.6	2,982,939
02/06/20	*		58,285	543	--	--	--	--	--	2,982,939
02/07/20	*		58,310	543	--	--	--	--	--	2,982,940
02/08/20	*		58,334	543	--	--	--	--	--	2,982,940
02/09/20	*		58,359	543	--	--	--	--	--	2,982,941
02/10/20	*		58,383	543	--	--	--	--	--	2,982,941
02/11/20	*		58,407	543	--	--	--	--	--	2,982,942
02/12/20	*		58,432	543	--	--	--	--	--	2,982,942
02/13/20	*		58,456	543	--	--	--	--	--	2,982,943
02/14/20	Technician		58,481	537	3	108	--	14	0.0	2,982,943
02/15/20	*		58,504	537	--	--	--	--	--	2,982,943
02/16/20	*		58,527	537	--	--	--	--	--	2,982,944
02/17/20	*		58,550	537	--	--	--	--	--	2,982,944
02/18/20	Technician	1	58,573	537	3	103	<5.7	12	0.1	2,982,945
02/19/20	*		58,596	537	--	--	--	--	--	2,982,945
02/20/20	*		58,620	537	--	--	--	--	--	2,982,946
02/21/20	*		58,644	537	--	--	--	--	--	2,982,946
02/22/20	*		58,668	537	--	--	--	--	--	2,982,947
02/23/20	*		58,692	537	--	--	--	--	--	2,982,947
02/24/20	*		58,715	537	--	--	--	--	--	2,982,948
02/25/20	*		58,739	537	--	--	--	--	--	2,982,948
02/26/20	*		58,763	537	--	--	--	--	--	2,982,949
02/27/20	Technician		58,787	560	3	110	<5.7	16	0.0	2,982,949
02/28/20	*		58,812	560	--	--	--	--	--	2,982,950
02/29/20	*		58,836	560	--	--	--	--	--	2,982,950

Cumulative Mass TPHg Removed by the VES [A] (lb)			
Period	February	Quarter 1 to Date	April 1996 to Date
Mass	13	37	2,982,950

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

Legend / Notes:

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

-- = Not applicable or not measured

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

Vapor extraction wells on line this month: HW-1, HW-5, HW-7, HW-8, and HW-9

VES = Soil vapor extraction system

in. Hg = Inches of mercury

ppmv = Parts per million by volume

scfm = Standard cubic feet per minute

°F = Degrees Fahrenheit

lb = Pounds

A = Reading from chart recorder.

B = Concentrations obtained with a calibrated organic vapor analyzer.

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

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

TABLE 3C

Carbon Vapor Extraction System Operations Summary - March

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)
03/01/20	*		58,836	560	--	--	--	--	--	2,982,950
03/02/20	*		58,885	560	--	--	--	--	--	2,982,957
03/03/20	*		58,910	560	--	--	--	--	--	2,982,961
03/04/20	Technician		58,935	518	4	112	--	29	0.3	2,982,965
03/05/20	*		58,958	518	--	--	--	--	--	2,982,968
03/06/20	*		58,982	518	--	--	--	--	--	2,982,972
03/07/20	*		59,006	518	--	--	--	--	--	2,982,975
03/08/20	*		59,030	518	--	--	--	--	--	2,982,978
03/09/20	*		59,053	518	--	--	--	--	--	2,982,982
03/10/20	*		59,077	518	--	--	--	--	--	2,982,985
03/11/20	*		59,101	560	--	--	--	--	--	2,982,989
03/12/20	Technician		59,125	459	5	94	--	25	0.0	2,982,992
03/13/20	*		59,149	459	--	--	--	--	--	2,982,995
03/14/20	*		59,173	459	--	--	--	--	--	2,982,998
03/15/20	*		59,198	459	--	--	--	--	--	2,983,001
03/16/20	Technician	1	59,222	540	3	97	16	105	0.0	2,983,005
03/17/20	*		59,244	540	--	--	--	--	--	2,983,008
03/18/20	*		59,265	540	--	--	--	--	--	2,983,011
03/19/20	*		59,286	540	--	--	--	--	--	2,983,014
03/20/20	*		59,308	540	--	--	--	--	--	2,983,018
03/21/20	*		59,329	540	--	--	--	--	--	2,983,021
03/22/20	*		59,351	540	--	--	--	--	--	2,983,024
03/23/20	*		59,372	540	--	--	--	--	--	2,983,027
03/24/20	*		59,393	540	--	--	--	--	--	2,983,030
03/25/20	Technician		59,415	541	3	98	--	87	0.0	2,983,034
03/26/20	*		59,439	541	--	--	--	--	--	2,983,037
03/27/20	*		59,463	541	--	--	--	--	--	2,983,041
03/28/20	*		59,488	541	--	--	--	--	--	2,983,045
03/29/20	*		59,512	541	--	--	--	--	--	2,983,048
03/30/20	*		59,536	541	--	--	--	--	--	2,983,052
03/31/20	Technician	2	59,561	541	4	98	--	87	0.0	2,983,056

Cumulative Mass TPHg Removed by the VES [A] (lb)			
Period	March	Quarter 1 to Date	April 1996 to Date
Mass	105.9	142.6	2,983,056

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

Legend / Notes :

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

2 = System shutdown pending lab confirmation.

-- = Not applicable or not measured

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

Vapor extraction wells on line this month: HW-1, HW-5, HW-7, HW-8, and HW-9

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
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

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)
09/17/14	3	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	8015M & 8260M	5.6	<4.9	<20	<5.6	<20	<0.16	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.3	<1.5	<0.6	<2.0
10/23/14	4	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	8015M & 8260M	1.2	<4.9	<20	<5.6	<20	<0.16	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.3	<1.5	<0.6	<2.0
11/17/14	5	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	8015M & 8260M	1.3	<4.9	<20	<5.6	<20	<0.16	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.3	<1.5	<0.6	<2.0
12/17/14		VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	8015M & 8260M	0.5	<4.9	<20	<5.6	<20	<0.16	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.3	<1.5	<0.6	<2.0
01/14/15		VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	8015M & 8260M	1.5	<4.9	<20	<5.6	<20	<0.16	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.3	<1.5	<0.6	<2.0
02/20/15		VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	8015M & 8260M	1.5	<4.9	<20	<5.6	<20	<0.16	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.3	<1.5	<0.6	<2.0
03/27/15		VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	8015M & 8260M	3.4	<4.9	<20	<5.6	<20	<0.16	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.3	<1.5	<0.6	<2.0
04/27/15	6	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	8015M & 8260M	132	**140**	**580**	**160**	**580**	**0.63**	**2.0**	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	**0.23**	**1.0**	**0.23**	**1.0**	<0.6	<2.0
05/29/15	6,7	--	8015M & 8260M	103	**83**	**340**	**97**	**340**	<0.16	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.3	<1.5	<0.6	<2.0
06/03/15	6,8	VEW-32, VEW-33, VEW-34	8015M & 8260M	47	**32**	**130**	**37**	**130**	<0.16	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.3	<1.5	<0.6	<2.0
07/09/15	6	VEW-32, VEW-33, VEW-34	8015M & 8260M	162	**150**	**600**	**170**	**600**	<0.16	<0.50	**0.15**	**0.58**	<0.12	<0.50	**0.67**	**2.9**	**0.71**	**3.1**	**1.38**	**6.0**	<0.55	<2.0
07/15/15	6,9	VEW-32, VEW-33, VEW-34	8015M & 8260M	147	**170**	**700**	**200**	**700**	<0.16	<0.50	**0.53**	**2.0**	**0.18**	**0.78**	**0.99**	**4.3**	**1.5**	**6.3**	**2.49**	**10.6**	<0.55	<2.0
07/21/15	6,9	VEW-32, VEW-33, VEW-34	8015M & 8260M	259	**160**	**640**	**180**	**640**	<0.16	<0.50	**0.25**	**0.94**	<0.12	<0.50	**0.71**	**3.1**	**0.62**	**2.7**	**1.33**	**5.8**	<0.55	<2.0
07/29/15	6,9	VEW-32, VEW-33, VEW-34	8015M & 8260M	129	**170**	**710**	**200**	**710**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	**0.32**	**1.4**	**0.25**	**1.1**	**0.57**	**2.5**	<0.55	<2.0
08/17/15	6,10	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5	8015M & 8260M	135	**130**	**550**	**160**	**550**	**0.75**	**2.4**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	**0.28**	**1.2**	**0.28**	**1.2**	<0.55	<2.0
09/09/15	6,11	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	202	**190**	**760**	**220**	**760**	**0.30**	**0.95**	**0.74**	**2.8**	**0.76**	**3.3**	**0.69**	**3.0**	**2.5**	**11**	**3.19**	**14**	<0.55	<2.0
09/22/15	6,9	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	225	**150**	**600**	**170**	**600**	**0.27**	**0.85**	**0.37**	**1.4**	<0.12	<0.50	**0.71**	**3.1**	**0.58**	**2.5**	**1.29**	**5.6**	<0.55	<2.0
09/25/15	6,9	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	258	**220**	**890**	**250**	**890**	**0.41**	**1.3**	**0.64**	**2.4**	**0.17**	**0.75**	**0.74**	**3.2**	**0.85**	**3.7**	**1.59**	**6.9**	<0.55	<2.0
10/07/15	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	256	**230**	**940**	**270**	**940**	**0.69**	**2.2**	**0.82**	**3.1**	**0.22**	**0.97**	**0.41**	**1.8**	**1.1**	**4.6**	**1.51**	**6.4**	<0.55	<2.0
11/04/15	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	380	**290**	**1,200**	**340**	**1,200**	**0.88**	**2.8**	**1.6**	**5.9**	**0.25**	**1.1**	**1.4**	**6.2**	**2.1**	**9.0**	**3.5**	**15**	<0.55	<2.0
12/07/15	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	346	**320**	**1,300**	**370**	**1,300**	**0.69**	**2.2**	**1.9**	**7.0**	**0.15**	**0.64**	**0.76**	**3.3**	**0.94**	**4.1**	**1.7**	**7.4**	<0.55	<2.0
01/13/16	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	141	**110**	**470**	**130**	**470**	**0.16**	**0.52**	**0.29**	**1.1**	<0.12	<0.50	**0.22**	**0.95**	**0.30**	**1.3**	**0.52**	**2.3**	<0.55	<2.0
02/10/16	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	124	**98**	**400**	**110**	**400**	**0.59**	**1.9**	**0.66**	**2.5**	**0.23**	**1.0**	**0.39**	**1.7**	**0.6**	**2.6**	**0.99**	**4.3**	<0.55	<2.0
03/02/16	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	92	**54**	**220**	**63**	**220**	<0.16	<0.50	**0.25**	**0.93**	<0.12	<0.50	**0.14**	**0.62**	<0.23	<1.0	**0.14**	**0.62**	<0.55	<2.0
04/06/16	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	124	**120**	**490**	**140**	**490**	**0.38**	**1.2**	**0.29**	**1.1**	<0.12	<0.50	**0.17**	**0.72**	<0.23	<1.0	**0.17**	**0.72**	<0.55	<2.0
05/04/16	6,7	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	107	**100**	**410**	**120**	**410**	**0.31**	**1.0**	**0.20**	**0.77**	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
06/06/16	6,12	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	73	**59**	**240**	**68**	**240**	**0.59**	**1.9**	**0.50**	**1.9**	<0.12	<0.50	**0.41**	**1.8**	**0.51**	**2.2**	**0.92**	**4.0**	<0.55	<2.0
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

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)
03/27/17	15,16	HW-1, HW-3, HW-5, HW-7	8015M & 8260M	193	**150**	**600**	**170**	**600**	**0.91**	**2.9**	**0.42**	**1.6**	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
04/17/17	15	HW-1, HW-3, HW-5, HW-7	8015M & 8260M	138	**150**	**610**	**170**	**610**	**1.1**	**3.5**	**0.53**	**2.0**	<0.12	<0.50	<0.12	<0.50	**0.23**	**1.0**	**0.23**	**1.0**	<0.55	<2.0
05/03/17	15	HW-1, HW-3, HW-5, HW-7	8015M & 8260M	141	**120**	**510**	**140**	**510**	**0.69**	**2.2**	**0.58**	**2.2**	**0.12**	**0.51**	<0.12	<0.50	**0.35**	**1.5**	**0.35**	**1.5**	<0.55	<2.0
06/05/17	15	HW-1, HW-3, HW-5	8015M & 8260M	136	**110**	**430**	**120**	**430**	**0.81**	**2.6**	**0.40**	**1.5**	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
06/27/17	15,17	HW-1, HW-3, HW-5, VEW-38, VEW-39, VEW-40	8015M & 8260M	--	**140**	**560**	**160**	**560**	**0.38**	**1.2**	**0.20**	**0.75**	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
07/19/17		HW-5, HW-7 and VEW-39	8015M & 8260M	199	**120**	**500**	**140**	**500**	**0.75**	**2.4**	**0.45**	**1.7**	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
08/09/17	18,19	HW-1, HW-5, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	8015M & 8260M	695	**560**	**2,300**	**650**	**2,300**	**0.69**	**2.2**	**0.29**	**1.1**	**0.53**	**2.3**	<0.12	<0.50	**0.44**	**1.9**	**0.44**	**1.9**	<0.55	<2.0
09/07/17	19	HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	8015M & 8260M	767	**610**	**2,500**	**710**	**2,500**	**1.2**	**3.9**	**0.48**	**1.8**	**0.46**	**2.0**	<0.12	<0.50	**0.51**	**2.2**	**0.51**	**2.2**	<0.55	<2.0
10/12/17	19,20	HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	8015M & 8260M	536	**370**	**1,500**	**430**	**1,500**	**1.0**	**3.2**	**0.32**	**1.2**	**0.41**	**1.8**	**0.20**	**0.88**	**0.83**	**3.6**	**1.0**	**4.5**	<0.55	<2.0
11/02/17	19	HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	8015M & 8260M	300	**240**	**970**	**270**	**970**	**0.78**	**2.5**	**0.24**	**0.89**	**0.28**	**1.2**	<0.12	<0.50	**0.51**	**2.2**	**0.51**	**2.2**	<0.55	<2.0
12/11/17	19	HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	8015M & 8260M	335	**270**	**1,100**	**300**	**1,100**	**0.85**	**2.7**	**0.27**	**1.0**	**0.21**	**0.9**	<0.12	<0.50	**0.37**	**1.6**	**0.37**	**1.6**	<0.55	<2.0
01/11/18	21	HW-1, HW-5, HW-7	8015M & 8260M	269	**240**	**970**	**270**	**970**	**1.1**	**3.4**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
02/12/18	21	HW-1, HW-5, HW-7	8015M & 8260M	148	**86**	**350**	**88**	**350**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
03/28/18	21	HW-1, HW-5, HW-7	8015M & 8260M	201	**160**	**670**	**170**	**670**	**0.59**	**1.9**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
04/02/18	21	HW-1, HW-5, HW-7	8015M & 8260M	191	**150**	**620**	**160**	**620**	**0.25**	**0.79**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
05/02/18	21	HW-1, HW-5, HW-7	8015M & 8260M	149	**110**	**470**	**150**	**470**	**0.16**	**0.50**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
06/06/18	21	HW-1, HW-5, HW-7	8015M & 8260M	95	**49**	**200**	**50**	**200**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
07/02/18	21	HW-1, HW-5, HW-7	8015M & 8260M	135	**120**	**490**	**120**	**490**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
08/06/18	21	HW-1, HW-5, HW-7	8015M & 8260M	134	**49**	**200**	**48**	**200**	**0.3**	**0.95**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
09/13/18	21	HW-1, HW-5, HW-7	8015M & 8260M	109	**49**	**200**	**50**	**200**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
10/29/18	21	HW-1, HW-5, HW-7	8015M & 8260M	118	**66**	**270**	**59**	**270**	**0.44**	**1.4**	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
11/14/18	21	HW-1, HW-5, HW-7	8015M & 8260M	202	**200**	**800**	**170**	**800**	**1.3**	**4.2**	**0.69**	**2.6**	<0.12	<0.5	<0.12	<0.5	**0.35**	**1.5**	<0.35	<1.5	<0.55	<2.0
12/12/18	21	HW-1, HW-5, HW-7	8015M & 8260M	130	**98**	**400**	**87**	**400**	**0.59**	**1.9**	**0.21**	**0.79**	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
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	<0.36	<1.6	<0.56	<2.1
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	8015M & 8260M	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		HW-1, HW-5, HW-7, HW-8, HW-9	8015M & 8260M	105	**18**	**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

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 9B for details).

4 = VES manually shut down.

5 = VES restarted on 11/03/14.

6 = Select soil biopiles also on line.

TABLE 4

Historical Summary of Analytical Vapor Sampling Results - Influent Carbon VES

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Legend / Notes continued:

7 = Closed all vapor extraction wells from 05/07/15 to 06/03/15, and 05/25/16 to 06/17/16, respectively, to focus extraction efforts on soil biopiles.

8 = Opened vapor extraction wells VEW-32, VEW-33 and VEW-34.

9 = Additional sample collected for laboratory analysis as part of field instrument correlation study.

10 = Opened vapor extraction wells HW-1, HW-3 and HW-5 on 08/10/15 based on field PID readings (see Table 9A for details).

11 = Closed vapor extraction well VEW-34 on 08/19/15 based on low to non-detectable lab results (see Table 10 for details).

12 = Opened vapor extraction wells HW-1, HW-3 and HW-5 on 06/17/16.

13 = Valves associated with vapor extraction wells HW-1, HW-3, HW-5 and/or HW-7 each set to a partially open position while leaving all other wells closed to focus extraction efforts on soil biopiles.

14 = Resumed vapor extraction from well HW-7 based on field PID readings (see Table 3A 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 6 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.

TABLE 5A

Thermal Oxidizer Vapor Extraction System Operations Summary - January

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)
01/01/20	*		3,785	817	--	--	--	--	--	141,826
01/02/20	*		3,809	817	--	--	--	--	--	142,564
01/03/20	*		3,833	817	--	--	--	--	--	143,302
01/04/20	*		3,858	817	--	--	--	--	--	144,040
01/05/20	*		3,882	817	--	--	--	--	--	144,778
01/06/20	*		3,906	817	--	--	--	--	--	145,516
01/07/20	*		3,930	817	--	--	--	--	--	146,254
01/08/20	Technician		3,954	802	62	1458	--	1478	9.6	146,978
01/09/20	*		3,977	802	--	--	--	--	--	147,673
01/10/20	*		4,000	802	--	--	--	--	--	148,369
01/11/20	*		4,023	802	--	--	--	--	--	149,064
01/12/20	*		4,047	802	--	--	--	--	--	149,759
01/13/20	*		4,070	802	--	--	--	--	--	150,454
01/14/20	*		4,093	802	--	--	--	--	--	151,150
01/15/20	Technician	1	4,116	757	62	1455	2300	1446	11	151,806
01/16/20	*		4,140	757	--	--	--	--	--	152,487
01/17/20	*		4,164	757	--	--	--	--	--	153,167
01/18/20	*		4,188	757	--	--	--	--	--	153,848
01/19/20	*		4,212	757	--	--	--	--	--	154,528
01/20/20	*		4,236	757	--	--	--	--	--	155,209
01/21/20	*		4,260	757	--	--	--	--	--	155,890
01/22/20	Technician		4,284	823	60	1464	--	1464	17.9	156,629
01/23/20	*		4,309	823	--	--	--	--	--	157,400
01/24/20	*		4,334	823	--	--	--	--	--	158,171
01/25/20	*		4,359	823	--	--	--	--	--	158,942
01/26/20	*		4,384	823	--	--	--	--	--	159,713
01/27/20	Technician		4,409	901	62	1454	--	1590	26.1	160,556
01/28/20	*		4,422	901	--	--	--	--	--	160,984
01/29/20	*		4,434	901	--	--	--	--	--	161,411
01/30/20	*		4,447	901	--	--	--	--	--	161,839
01/31/20	*		4,460	901	--	--	--	--	--	162,266

Cumulative Mass TPHg Removed by the VES [D,E] (lb)			
Period	January	Quarter 1 to Date	January 2018 to Date
Mass	21,916.5	21,916.5	170,107

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

Legend / Notes:

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

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-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), (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34); Eastern Area - (RW-1, RW-7, RW-13, RW-4, RW-9, RW-10); Southern Area - (RW-30, RW-31, RW-32, VEW-40, RW-26, RW-28, RW-33, RW-35, RW-40, RW-36, RW-37, RW-41, RW-42, RW-47, RW-48, RW-49, RW-50).

A = Reading measured using Dwyer DS-300 flow sensor.
B = Concentrations obtained with a calibrated organic vapor analyzer.
C = Concentrations correlated to laboratory data and expressed as hexane.
D = Hydrocarbon removal is calculated using analytical laboratory result for GRO (if not detected, half the detection limit is used) from samples collected this month (laboratory report attached).
E = Cumulative mass total to date includes 7,841 lbs TPHg removed by temporary thermal oxidizer VES (shutdown on 1/8/19).

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 - February

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)
02/01/20	*		4,495	901	--	--	--	--	--	163,193
02/02/20	*		4,502	901	--	--	--	--	--	163,378
02/03/20	*		4,509	901	--	--	--	--	--	163,563
02/04/20	*		4,516	901	--	--	--	--	--	163,749
02/05/20	Technician		4,523	968	61	1462	--	1418	24.3	163,948
02/06/20	*		4,558	968		--	--	--	--	164,950
02/07/20	*		4,594	968	--	--	--	--	--	165,953
02/08/20	*		4,629	968	--	--	--	--	--	166,955
02/09/20	*		4,665	968	--	--	--	--	--	167,958
02/10/20	*		4,700	968	--	--	--	--	--	168,960
02/11/20	*		4,736	968	--	--	--	--	--	169,963
02/12/20	*		4,771	968	--	--	--	--	--	170,965
02/13/20	*		4,807	968	--	--	--	--	--	171,968
02/14/20	Technician		4,842	872	60	1453	--	1318	28.9	172,871
02/15/20	*		4,865	872	--	--	--	--	--	173,451
02/16/20	*		4,888	872	--	--	--	--	--	174,030
02/17/20	*		4,910	872	--	--	--	--	--	174,610
02/18/20	Technician	1	4,933	868	62	1451	1700	996	28.1	175,187
02/19/20	*		4,956	868	--	--	--	--	--	175,770
02/20/20	*		4,979	868	--	--	--	--	--	176,354
02/21/20	*		5,002	868	--	--	--	--	--	176,937
02/22/20	*		5,025	868	--	--	--	--	--	177,520
02/23/20	*		5,048	868	--	--	--	--	--	178,104
02/24/20	*		5,071	868	--	--	--	--	--	178,687
02/25/20	*		5,094	868	--	--	--	--	--	179,270
02/26/20	*		5,117	868	--	--	--	--	--	179,854
02/27/20	Technician		5,140	903	54	1462	--	840	26.4	180,461
02/28/20	*		5,165	903	--	--	--	--	--	181,107
02/29/20	*		5,189	903	--	--	--	--	--	181,753

Cumulative Mass TPHg Removed by the VES [A] (lb)			
Period	February	Quarter 1 to Date	January 2018 to Date
Mass	19,487.0	41,403.5	189,594.5

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

Legend / Notes:

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

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-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), (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34); Eastern Area - (RW-1, RW-7, RW-13, RW-4, RW-9, RW-10); Southern Area - (RW-30, RW-31, RW-32, VEW-40, RW-26, RW-28, RW-33, RW-35, RW-40, RW-36, RW-37, RW-41, RW-42, RW-47, RW-48, RW-49, RW-50).

A = Reading measured using Dwyer DS-300 flow sensor.
B = Concentrations obtained with a calibrated organic vapor analyzer.
C = Concentrations correlated to laboratory data and expressed as hexane.
D = Hydrocarbon removal is calculated using analytical laboratory result for GRO (if not detected, half the detection limit is used) from samples collected this month (laboratory report attached).
E = Cumulative mass total to date includes 7,841 lbs TPHg removed by temporary thermal oxidizer VES (shutdown on 1/8/19).

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 - March

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)
03/01/20	*		5,238	903	--	--	--	--	--	181,753
03/02/20	*		5,254	903	--	--	--	--	--	182,024
03/03/20	*		5,271	903	--	--	--	--	--	182,295
03/04/20	Technician		5,287	942	58	1,450	--	862	24.1	182,577
03/05/20	*		5,311	942	--	--	--	--	--	182,995
03/06/20	*		5,335	942	--	--	--	--	--	183,412
03/07/20	*		5,359	942	--	--	--	--	--	183,829
03/08/20	*		5,384	942	--	--	--	--	--	184,246
03/09/20	*		5,408	942	--	--	--	--	--	184,663
03/10/20	*		5,432	942	--	--	--	--	--	185,080
03/11/20	*		5,456	942	--	--	--	--	--	185,497
03/12/20	Technician		5,480	772	57	1,448	--	845	30.0	185,839
03/13/20	*		5,503	772	--	--	--	--	--	186,169
03/14/20	*		5,527	772	--	--	--	--	--	186,498
03/15/20	*		5,550	772	--	--	--	--	--	186,828
03/16/20	Technician	1	5,573	864	59	1,443	313	864	25.2	187,196
03/17/20	*		5,597	864	--	--	--	--	--	187,582
03/18/20	*		5,622	864	--	--	--	--	--	187,968
03/19/20	*		5,646	864	--	--	--	--	--	188,354
03/20/20	*		5,670	864	--	--	--	--	--	188,740
03/21/20	*		5,695	864	--	--	--	--	--	189,126
03/22/20	*		5,719	864	--	--	--	--	--	189,512
03/23/20	*		5,743	864	--	--	--	--	--	189,898
03/24/20	*		5,768	864	--	--	--	--	--	190,284
03/25/20	Technician		5,792	840	60	1,458	--	828	26.2	190,659
03/26/20	*		5,814	840	--	--	--	--	--	190,998
03/27/20	*		5,836	840	--	--	--	--	--	191,337
03/28/20	*		5,858	840	--	--	--	--	--	191,677
03/29/20	*		5,880	840	--	--	--	--	--	192,016
03/30/20	*		5,902	840	--	--	--	--	--	192,355
03/31/20	*		5,924	840	--	--	--	--	--	192,694

Cumulative Mass TPHg Removed by the VES [D] (lb)			
Period	March	Quarter 1 to Date	January 2018 to Date
Mass	10,940.8	52,344.3	200,535.3

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

Legend / Notes:

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

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-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), (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34); Eastern Area - (RW-1, RW-7, RW-13, RW-4, RW-9, RW-10); Southern Area - (RW-30, RW-31, RW-32, VEW-40, RW-26, RW-28, RW-33, RW-35, RW-40, RW-36, RW-37, RW-41, RW-42, RW-47, RW-48, RW-49, RW-50).

A = Reading measured using Dwyer DS-300 flow sensor.
B = Concentrations obtained with a calibrated organic vapor analyzer.
C = Concentrations correlated to laboratory data and expressed as hexane.
D = Hydrocarbon removal is calculated using analytical laboratory result for GRO (if not detected, half the detection limit is used) from samples collected this month (laboratory report attached).
E = Cumulative mass total to date includes 7,841 lbs TPHg removed by temporary thermal oxidizer VES (shutdown on 1/8/19).

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**	**3.65**	**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**	**4.35**	**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**	**10**	**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**	**6.19**	**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**	**7.18**	**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**	**8.02**	**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**	**6.75**	**8.6**
3/16/2020		Central Area - (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TFR-29, TFR-32, TFR-35, TFR-36, TFR-37), (TFR-17, TFR-18, RFR-19, TFR-22, TFR-25), (TFR-11, TFR-13, TFR-14, TFR-15), (TFR-5, TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1,RW-6, RW-15, RW-16, RW-17), (VEW-32, VEW-37, RW-2, RW-7, RW-11), (VEW-33, VEW-36, RW-8, RW-12, RW-18), (VEW-34, VEW-35, RW-13, RW-14), (RW-3, RW-4, RW-5, RW-9, RW-10); Southern Area -(RW-19, RW-20, RW-22, RW-29, RW-45), (RW-35, RW-38, RW-39, RW-40 RW-44), (RW-36, RW-37, RW-41, RW-42, RW-46), (RW-47, RW-48, RW-49, RW-50),	8015M & 8260M	**864**	**1,198**	**4,900**	**313**	**1,100**	**1.94**	**6.20**	**0.41**	**1.80**	<.55	<2	**0.74**	**2.80**	**0.48**	**2.10**	**1.22**	**5.30**	**5.78**	**7.4**

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

Sample Date	Notes	VES Wells On Line	Laboratory Analysis Methods	GRO Field OVA Reading	GRO		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)

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 - First 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)
01/08/20	--	35.52	--	0	1.4	0.2	142.4	974.3
01/16/20	--	35.65	--	0	1.4	0.2	142.6	975.7
01/27/20	--	35.68	--	0	1.4	0.2	142.8	977.1
02/05/20	--	34.79	--	0	1.4	0.2	143.0	978.4
02/14/20	--	35.40	--	0	1.4	0.2	143.2	979.8
02/19/20	--	34.84	--	0	1.4	0.2	143.4	981.2
03/02/20	--	34.46	--	0	1.4	0.2	143.6	982.6
03/11/20	--	34.75	--	0	1.4	0.2	143.8	983.9
03/17/20	--	34.33	--	0	2.0	0.3	144.1	985.9
03/31/20	--	34.36	--	0	0.3	0.0	144.1	986.2

Cumulative for the Reporting Period:	**0**	**13.3**	**1.9**	**1.9**	**13.2**
Cumulative Beginning January 2014 [A]:	**112**	**220**	**32**	**144**	**986**

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 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 - First 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)
01/08/20	34.20	34.74	0.54	0	3.5	0.5	75	514
01/16/20	34.32	34.38	0.06	0	3.6	0.5	76	518
01/27/20	34.60	34.71	0.11	0	3.4	0.5	76	521
02/05/20	--	34.79	--	0	2.4	0.3	77	524
02/14/20	34.37	34.41	0.04	0	2.9	0.4	77	527
02/19/20	--	34.13	--	0	2.9	0.4	77	529
03/02/20	--	33.82	--	0	3.4	0.5	78	533
03/11/20	--	33.86	--	0	3.4	0.5	78	536
03/17/20	--	33.81	--	0	2.0	0.3	79	538
03/31/20	--	33.71	--	0	1.6	0.2	79	540
Cumulative for the Reporting Period:				**0**	**29**	**4.2**	**4.2**	**28.9**
Cumulative Beginning October 2016 [A]:				**34**	**314**	**46**	**79**	**540**

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 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 - First 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 1st Quarter 2020								
Cumulative for the Reporting Period:				**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning December 2014 [A]:				**8.0**	**136**	**20**	**28**	**190**

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 - First 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)
01/08/20	--	32.98	--	0	0.3	0.0	36	244
02/14/20	--	32.69	--	0	0.4	0.1	36	245
02/19/20	--	32.86	--	0	0.1	0.0	36	245
03/17/20	--	32.82	--	0	0.2	0.0	36	245

Cumulative for the Reporting Period:	**0**	**0.9**	**0.1**	**0.1**	**0.9**
Cumulative Beginning June 2015 [A]:	**6.75**	**199**	**29**	**36**	**245**

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 - First 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 1st Quarter 2020							

Cumulative for the Reporting Period:	**0**	**0**	**0**	**0**	**0**
Cumulative Beginning October 2018 [A,B]:	**150**	**0**	**0**	**150**	**1,026**

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 - First 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 1st Quarter 2020							
Cumulative for the Reporting Period [B]:				**0**	**0**	**0**	**0**	**0**
Cumulative Beginning March 2017 [A]:				**101**	**76**	**11**	**112**	**768**

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 - First 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 1st Quarter 2020							
Cumulative for the Reporting Period:				**0**	**0**	**0**	**0**	**0**
Cumulative Beginning April 2018 [A,B]:				**282**	**0**	**0**	**282**	**1,932**

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 TF-15 - First 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 1st Quarter 2020							
Cumulative for the Reporting Period [B]:				**0**	**0**	**0**	**0**	**0**
Cumulative Beginning October 2016 [A]:				**187**	**53**	**7.7**	**195**	**1,333**

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 7I
Summary of LNAPL Removal in Well TFR-15 - First 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 1st Quarter 2020							
Cumulative for the Reporting Period:				**0**	**0**	**0**	**0**	**0**
Cumulative Beginning October 2018 [A,B]:				**23**	**0**	**0**	**23**	**157**

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 7J
Summary of LNAPL Removal in Well TF-16 - First 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 1st 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**	**329**	**2,251**
Cumulative Beginning October 2016 [A]:				**333**	**36**	**5.2**	**338**	**2,316**

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 7K
Summary of LNAPL Removal in Well GW-14R - First 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 1st Quarter 2020							
Cumulative for the Reporting Period:				**0**	**0**	**0**	**0**	**0**
Cumulative Beginning October 2018 [A,B]:				**360**	**0**	**0**	**360**	**2,464**

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 7L
Summary of LNAPL Removal in Well TFR-18 - First 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)
01/06/20	33.86	34.87	1.01	1.0	--	--	1.0	6.8
01/16/20	33.92	34.80	0.88	1.0	--	--	2.0	13.7
01/24/20	33.69	34.45	0.76	1.0	--	--	3.0	20.5
01/31/20	33.72	34.69	0.97	1.0	--	--	4.0	27.4
02/05/20	33.53	34.30	0.77	1.0	--	--	5.0	34.2
02/14/20	33.47	34.40	0.93	1.0	--	--	6.0	41.1
02/19/20	32.52	36.26	3.74	3.0	--	--	9.0	61.6
03/02/20	33.30	34.39	1.09	1.0	--	--	10.0	68.4
03/11/20	33.51	34.48	0.97	1.0	--	--	11.0	75.3
03/18/20	33.48	34.40	0.92	1.0	--	--	12.0	82.1
03/25/20	33.33	34.29	0.96	1.0	--	--	13.0	89.0
03/31/20	33.47	34.08	0.61	1.0	--	--	14.0	95.8
Cumulative for the Reporting Period:				**14**	**0**	**0**	**14**	**89**
Cumulative Beginning October 2018 [A,B]:				**14**	**0**	**0**	**14**	**96**

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-22 - First 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)
01/06/20	31.95	37.83	5.88	4.0	--	--	183	1,252
01/16/20	32.04	38.71	6.67	5.0	--	--	188	1,287
01/24/20	31.87	38.11	6.24	5.0	--	--	193	1,321
01/31/20	31.77	38.25	6.48	5.0	--	--	198	1,355
02/05/20	31.47	38.00	6.53	5.0	--	--	203	1,389
02/14/20	32.32	35.85	3.53	3.0	--	--	206	1,410
02/19/20	32.52	36.26	3.74	3.0	--	--	209	1,430
03/02/20	33.30	34.39	1.09	1.0	--	--	210	1,437
03/11/20	32.00	37.11	5.11	4.0	--	--	214	1,464
03/18/20	32.00	37.11	5.11	4.0	--	--	218	1,492
03/25/20	32.17	35.67	3.50	3.0	--	--	221	1,512
03/31/20	32.81	34.41	1.60	2.0	--	--	223	1,526
Cumulative for the Reporting Period:				**33**	**0**	**0**	**44**	**301**
Cumulative Beginning October 2018 [A,B]:				**223**	**0**	**0**	**223**	**1,526**

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 7N
Summary of LNAPL Removal in Well TFR-24 - First 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)
01/06/20	32.85	33.60	0.75	1.0	--	--	103	705
01/16/20	32.97	33.41	0.44	1.0	--	--	104	712
01/24/20	32.91	33.46	0.55	1.0	--	--	105	719
01/31/20	32.85	33.40	0.55	1.0	--	--	106	725
02/05/20	32.80	33.29	0.49	1.0	--	--	107	732
02/14/20	32.61	32.94	0.33	1.0	--	--	108	739
02/19/20	--	32.55	0.00	0.0	--	--	108	739
03/02/20	32.54	32.92	0.38	0.0	--	--	108	739
03/11/20	32.60	32.95	0.35	0.0	--	--	108	739
Cumulative for the Reporting Period:				**6**	**0**	**0**	**6**	**41**
Cumulative Beginning October 2018 [A,B]:				**108**	**0**	**0**	**108**	**739**

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 7O
Summary of LNAPL Removal in Well TFR-29 - First 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)
01/06/20	33.64	33.74	0.10	1.0	--	--	828	5,669
02/05/20	33.23	34.38	1.15	1.0	--	--	829	5,676
02/14/20	33.43	34.51	1.08	0.0	--	--	829	5,676
02/19/20	--	33.10	0.00	0.0	--	--	829	5,676
03/11/20	32.85	33.33	0.48	0.0	--	--	829	5,676
Cumulative for the Reporting Period:				**2**	**0**	**0**	**2**	**14**
Cumulative Beginning April 2018 [A,B,C]:				**829**	**0**	**0**	**829**	**5,676**

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 November 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-29 initiated on April 23, 2018, and temporarily discontinued from September 5, 2018 to October 8, 2018 pending hookup to a new controller).

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

TABLE 7P
Summary of LNAPL Removal in Well TFR-33 - First 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 1st Quarter 2020							
Cumulative for the Reporting Period:				**0**	**0**	**0**	**0**	**0**
Cumulative Beginning October 2018 [A,B]:				**123**	**0**	**0**	**123**	**842**

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 7Q
Summary of LNAPL Removal in Well RTF-18-E - First 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)
01/06/20	32.70	34.21	1.51	0.0	--	--	672.0	4,598.7
01/16/20	32.41	33.47	1.06	1.0	--	--	673.0	4,605.5
01/24/20	32.31	33.25	0.94	1.0	--	--	674.0	4,612.3
01/31/20	32.32	33.48	1.16	1.0	--	--	675.0	4,619.2
02/05/20	32.06	33.10	1.04	1.0	--	--	676.0	4,626.0
02/14/20	31.95	32.80	0.85	1.0	--	--	677.0	4,632.9
02/19/20	--	32.20	0.00	0.0	--	--	677.0	4,632.9
03/02/20	32.20	32.70	0.50	0.0	--	--	677.0	4,632.9
03/11/20	32.14	32.82	0.68	0.0	--	--	677.0	4,632.9

Cumulative for the Reporting Period:	**5**	**0**	**0**	**5**	**34**
Cumulative Beginning May 2016 - July 2016 [A]:	**48**	**0**	**0**	**48**	**325**
Cumulative Beginning August 2016 - September 2019 [B]:	**593**	**0**	**0**	**593**	**4,061**
Cumulative Beginning May 2016 [A]:	**677**	**0**	**0**	**677**	**4,633**

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 7R
Summary of LNAPL Removal in Well RTF-18-NW - First 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 1st Quarter 2020							
Cumulative for the Reporting Period:				**0**	**0**	**0**	**0**	**0**
Cumulative Beginning May 2016 - July 2016 [A]:				**77**	**0**	**0**	**77**	**524**
Cumulative Beginning August 2016 - June 2019 [B]:				**2,961**	**0**	**0**	**2,961**	**20,263**
Cumulative Beginning May 2016 [A]:				**3,038**	**0**	**0**	**3,038**	**20,786**

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 7S
Summary of LNAPL Removal in Well RTF-18-N - First 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 1st Quarter 2020							

Cumulative for the Reporting Period:	**0**	**0**	**0**	**0**	**0**
Cumulative Beginning April 2016 - July 2016 [A]:	**48**	**0**	**0**	**48**	**325**
Cumulative Beginning August 2016 - June 2019 [B]:	**498**	**0**	**0**	**498**	**3,405**
Cumulative Beginning April 2016 [A]:	**545**	**0**	**0**	**545**	**3,730**

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 7T
Summary of LNAPL Removal in Well TF-18 - First 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 1st Quarter 2020							
Cumulative for the Reporting Period:				**0**	**0**	**0**	**0**	**0**
Cumulative Beginning January 2014 - July 2016 [A]:				**266**	**307**	**45**	**311**	**2,128**
Cumulative Beginning August 2016 - June 2019 [B]:				**2,003**	**0**	**0**	**2,003**	**13,707**
Cumulative Beginning January 2014 [A]:				**2,269**	**307**	**45**	**2,314**	**15,835**

Legend / Notes:

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

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

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

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

TABLE 7U
Summary of LNAPL Removal in Well RTF-18-NNW - First 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 1st Quarter 2020							

Cumulative for the Reporting Period:	**0**	**0**	**0**	**0**	**0**
Cumulative Beginning April 2016 - July 2016 [A]:	**55**	**0**	**0**	**55**	**373**
Cumulative Beginning August 2016 - June 2019 [B]:	**63**	**0**	**0**	**63**	**428**
Cumulative Beginning April 2016 [A]:	**117**	**0**	**0**	**0**	**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-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 7V
Summary of LNAPL Removal in Well RTF-18-W - First 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 1st Quarter 2020							

Cumulative for the Reporting Period:	**0**	**0**	**0**	**0**	**0**
Cumulative Beginning April 2016 - July 2016 [A]:	**39**	**0**	**0**	**39**	**265**
Cumulative Beginning August 2016 - June 2019 [B]:	**371**	**0**	**0**	**371**	**2,539**
Cumulative Beginning April 2016 [A]:	**410**	**0**	**0**	**410**	**2,804**

Legend / Notes:

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

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

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

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

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

Sample Date	Notes	GWETS Wells On Line	Laboratory Analysis Methods	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	m,p-Xylenes	o-Xylene	TBA	MTBE	DIPE	ETBE	TAME
				(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
04/22/08		--	--	--	--	**71**	**25**	**17**	**42**	**30**	**14**	**4.6**	<2.0	<2.0	<2.0
05/01/08		--	--	**810**	--	--	--	--	--	--	--	--	--	--	--
05/16/08		--	--	**760**	--	--	--	--	--	--	--	--	--	--	--
06/12/08		--	--	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	**25**	**7.7**	<2.0	<2.0	<2.0
07/19/08		--	--	**170**	<100	**27**	**0.77**	**7.0**	**13**	**7.9**	<10	**3.9**	<2.0	<2.0	<2.0
09/03/08		--	--	--	--	--	--	--	--	--	<10	--	--	--	--
09/08/08		--	--	--	--	**27**	**0.99**	**8.3**	**13**	**8.2**	<10	**3.1**	<2.0	<2.0	<2.0
09/15/08		--	--	--	--	**36**	**0.81**	**8.5**	**12**	**6.8**	<10	**3.8**	<2.0	<2.0	<2.0
11/13/08		--	--	--	--	**27**	<0.50	**2.0**	**12**	**5.6**	<10	<0.50	<2.0	<2.0	<2.0
11/26/08		--	--	--	--	<0.50	<0.50	<0.50	**1.3**	**0.61**	**16**	**5.6**	<2.0	<2.0	<2.0
12/13/08		--	--	--	--	<0.50	<0.50	**0.56**	**1.1**	**0.54**	**19**	**7.0**	<2.0	<2.0	<2.0
01/09/09		--	--	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<2.0	<2.0	<2.0
03/05/09		--	--	<100	--	**21**	<0.50	**2.5**	**7.2**	**3.1**	**12**	**3.1**	<2.0	<2.0	<2.0
03/18/09		--	--	**200**	**170**	**21**	<0.50	**2.9**	**7.0**	**4.5**	**13**	**3.3**	<2.0	<2.0	<2.0
05/15/09		--	--	<100	--	--	--	--	--	--	--	--	--	--	--
06/04/09		--	--	**190**	--	**26**	<0.50	**3.3**	**10**	**6.6**	<10	**4.8**	<2.0	<2.0	<2.0
06/24/09		--	--	--	--	**28**	<0.50	**2.5**	**7.6**	**4.2**	**12**	**4.4**	<2.0	<2.0	<2.0
05/28/09		--	--	**170**	--	**27**	<0.50	**2.6**	**7.9**	**4.5**	<10	**3.6**	<2.0	<2.0	<2.0
11/19/09		--	--	<100	--	**15**	<0.50	**1.3**	**5.8**	**2.9**	**5.6**	**2.3**	**1.2**	<2.0	<2.0
10/26/10		--	--	--	--	**20**	<0.50	**1.6**	**7.4**	**2.1**	**8.0**	**2.9**	**1.1**	<2.0	<2.0
06/01/11		--	--	**90**	--	--	--	--	--	--	--	--	--	--	--
07/14/11		--	--	--	--	**13**	<0.50	**2.3**	**6.2**	**3.0**	**6.7**	**1.6**	<2.0	<2.0	<2.0
09/13/11		--	--	--	--	**5.0**	<0.50	**0.37**	**3.4**	**0.99**	<10	**1.3**	<2.0	<2.0	<2.0
09/22/11		--	--	--	--	**5.5**	<0.50	**0.92**	**7.2**	**1.6**	**5.6**	**1.1**	<2.0	<2.0	<2.0
10/19/11		--	--	--	--	**8.2**	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<2.0	<2.0	<2.0
01/20/12		--	--	--	--	**14**	<0.50	**2.8**	**7.8**	**1.2**	**16**	**1.3**	**0.42**	<2.0	<2.0
02/03/12		--	--	**120**	**340**	--	--	--	--	--	--	--	--	--	--

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

Sample Date	Notes	GWETS Wells On Line	Laboratory Analysis Methods	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	m,p-Xylenes	o-Xylene	TBA	MTBE	DIPE	ETBE	TAME
				(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
02/17/12		--	--	--	--	**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-2, GW-13, 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-2, GW-13, 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-2, GW-13, 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-2, GW-13, 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-2, GW-13, GW-15, GW-16	8015M & 8260B	**260**	**1,400**	**21**	**0.71**	**10**	**62**	**18**	<7.0	<0.40	<0.50	<0.40	<0.30
12/17/14	4,1	GW-2, GW-13, 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-2, GW-13, 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-2, GW-13, 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

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

Sample Date	Notes	GWETS Wells On Line	Laboratory Analysis Methods	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	m,p-Xylenes	o-Xylene	TBA	MTBE	DIPE	ETBE	TAME
				(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
07/09/15		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**180**	**610**	<0.20	<0.30	<0.20	<0.40	<0.30	<7.0	**0.62 J**	<0.50	<0.40	<0.30
08/17/15		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**430**	<40	<0.20	<0.30	<0.20	**0.95 J**	<0.30	<7.0	**0.71 J**	<0.50	<0.40	<0.30
09/03/15		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**86 J**	**570**	**5.9**	**0.37 J**	**3.7**	**10**	**14**	<7.0	**0.45 J**	<0.50	<0.40	<0.30
10/05/15		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	<60	**500**	**7.3**	<0.30	**8.7**	**35**	**15**	<7.0	**0.73 J**	<0.50	<0.40	<0.30
11/02/15		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**420**	**3,400**	**5.1**	<0.30	**17**	**130**	**22**	<7.0	**0.85 J**	<0.50	<0.40	<0.30
12/07/15		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**710**	**3,800**	**0.70**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
01/12/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**2,000**	**510**	**14**	<0.30	**3.6**	**25**	**7.0**	<7.0	<0.40	<0.50	<0.40	<0.30
02/01/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**72 J**	**180**	**13**	<0.30	**0.53**	**2.7**	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
03/14/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**270**	**1,100**	**0.91**	<0.30	<0.20	**1.6**	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
04/04/16	5	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**76 J**	**100**	**0.99**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
05/04/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**170**	**470**	<0.20	<0.30	<0.20	**1.3**	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
06/01/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**280**	**75 J**	**4.9**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.43 J**	<0.50	<0.40	<0.30
07/11/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**330**	<40	**4.7**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.79 J**	<0.50	<0.40	<0.30
08/01/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	<60	<40	**3.7**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
09/01/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	<60	<40	**2.7**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
10/12/16	5	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**230**	<40	**4.5**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
11/01/16	5	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**120**	**52 J**	**3.1**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
12/05/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**450**	**51 J**	<0.20	<0.30	<0.20	<0.40	<0.30	<7.0	**0.60 J**	<0.50	<0.40	<0.30
01/09/17		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**150**	<40	**4.4**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.58 J**	<0.50	<0.40	<0.30
02/06/17	6	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**110**	<40	**3.5**	<0.30	**0.41 J**	**0.60 J**	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
03/15/17	5	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**68 J**	<40	**4.3**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.60 J**	<0.50	<0.40	<0.30
04/05/17	5	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**74 J**	<40	**8.4**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
05/03/17		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**72 J**	<40	**4.3**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
06/05/17		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**62 J**	<40	**5.0**	<0.30	<0.20	**0.50 J**	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
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

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

Legend / Notes:

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

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

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

1 = GWETS manually shut down.
2 = GWETS restarted on 7/2/14, 1/13/15 and 2/25/15.
3 = GWETS manually shut down on 11/11/14.
4 = GWETS temporarily restarted but left off-line upon departure.
5 = GWETS manually shut down on 4/13/15, 5/6/15, 4/4/16, 9/26/16, 11/7/16, 3/8/17, 4/17/17 and 7/3/17, and restarted on 4/27/15, 5/8/15, 4/28/16, 10/12/16, 11/23/16, 3/15/17, 4/25/17 and 7/17/17, respectively.
6 = GWETS restarted following an automatic shut down on 2/4/17.
7 = GWETS manually shut down on 11/20/17 and largely remained off-line through late May 2018, as well as during July and December 2018, with the exception of a few operational days and/or weeks to collect system removal performance samples following the completion of media change out work, and/or to complete routine groundwater monitoring and sampling work along with system maintenance activities.

TABLE 8

Historical Summary of Analytical Groundwater Sampling Results - Influent GWETS

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Legend / Notes:

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

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

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

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

TABLE 9A

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

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Notes	Vapor Extraction System(s) Wells On Line *	Well GRO Concentration (ppmv) / Screen Depth for Horizontal Wells or Interval in Feet Below Grade for Vertical Wells					
			HW-1	HW-3 **	HW-5	HW-7 **	HW-8	HW-9
			25	25	25	25	60	220
07/09/14	1	VEW-32, VEW-33, VEW-34, VEW-35, VEW-36, VEW-37, HW-1, HW-3, HW-5, HW-7	69	20	140	4,176	--	--
07/18/14		VEW-32, VEW-33, VEW-34, VEW-35, VEW-36, VEW-37, HW-1, HW-3, HW-5, HW-7	74	21	4,000	15,000	--	--
08/27/14	2	VEW-32, VEW-33, VEW-34, VEW-35, VEW-36, VEW-37, HW-1, HW-3, HW-5, HW-7	0.8	4.5	3.6	0.1	--	--
08/27/14	3	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	2.1	0	2.5	146.0	--	--
10/23/14	4	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	3.3	20.0	2.9	2	--	--
12/17/14	4	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	0	0	0	0.2	--	--
03/30/15	4,5	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	24	2	62	382.0	--	--
04/02/15	4	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	400	34	270	370	--	--
04/06/15	4	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	825	160	835	800	--	--
04/08/15	4	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	800	315	600	580	--	--
04/15/15	4	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	680	297	545	585	--	--
04/24/15	6	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	1,900	125	533	1,233	--	--
04/27/15	4,6	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	1,455	138	400	810	--	--
06/08/15	6,7	VEW-32, VEW-33, VEW-34	--	--	--	--	--	--
06/12/15	6	VEW-32, VEW-33, VEW-34	--	--	--	--	--	--
06/15/15	6	VEW-32, VEW-33, VEW-34	--	--	--	--	--	--
06/26/15	6	VEW-32, VEW-33, VEW-34	--	--	--	--	--	--
07/16/15	6	VEW-32, VEW-33, VEW-34	--	--	--	--	--	--
08/10/15	4,6,8	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5	1,947	28	676	732	--	--
08/20/15	6,9	VEW-32, VEW-33, HW-1, HW-3, HW-5	1,792	--	1,283	1,526	--	--
09/08/15	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	1,914	--	839	1,811	--	--
09/16/15	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	1,333	--	756	1,142	--	--
10/09/15	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	854	--	462	807	--	--
11/04/15	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	605	--	372	500	--	--
12/07/15	4,6	VEW-32, VEW-33, HW-1, HW-3, HW-5	880	--	590	760	--	--
01/13/16	4,6	VEW-32, VEW-33, HW-1, HW-3, HW-5	640	--	415	390	--	--
02/08/16	4,6	VEW-32, VEW-33, HW-1, HW-3, HW-5	520	--	300	240	--	--
03/02/16	4,6	VEW-32, VEW-33, HW-1, HW-3, HW-5	400	--	360	180	--	--
04/06/16	4,6	VEW-32, VEW-33, HW-1, HW-3, HW-5	420	--	260	220	--	--
05/04/16	4,6	VEW-32, VEW-33, HW-1, HW-3, HW-5	400	--	240	180	--	--

TABLE 9A

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

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Notes	Vapor Extraction System(s) Wells On Line *	Well GRO Concentration (ppmv) / Screen Depth for Horizontal Wells or Interval in Feet Below Grade for Vertical Wells					
			HW-1	HW-3 **	HW-5	HW-7 **	HW-8	HW-9
			25	25	25	25	60	220
06/17/16	6	HW-1, HW-3, HW-5	740	--	470	330	--	--
07/06/16	6,10	HW-1, HW-3, HW-5	480	--	340	220	--	--
08/05/16	6	HW-1, HW-3, HW-5	240	4	190	230.0	--	--
09/01/16	6,10	HW-1, HW-3, HW-5	280	--	220	260	--	--
10/20/16	4,6,10,11	HW-1, HW-3, HW-5, HW-7	200	140	240	280	--	--
11/01/16	6,10	HW-1, HW-3, HW-5, HW-7	160	120	180	260	--	--
12/05/16	4,6,10	HW-1, HW-3, HW-5, HW-7	120	100	200	240	--	--
01/09/17	6,10	HW-1, HW-3, HW-5, HW-7	80	17	180	200	--	--
02/06/17	4,6,10	HW-1, HW-3, HW-5, HW-7	100	13	160	180	--	--
03/20/17	12	HW-1, HW-3, HW-5, HW-7	110	12	120	160	--	--
04/17/17		HW-1, HW-3, HW-5, HW-7	120	10	160	220	--	--
05/03/17		HW-1, HW-3, HW-5, HW-7	100	19	140	260	--	--
06/05/17		HW-1, HW-3, HW-5	107	15	82	211	--	--
07/19/17	13	HW-5, HW-7 and VEW-39	--	49	79	286	--	--
08/09/17	14,15	HW-1, HW-5, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	192	--	94	236	--	--
09/07/17	14,15	HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	180	--	60	220	--	--
10/12/17	14,15	HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	220	--	80	260	--	--
11/02/17	14,15	HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	346	--	105	334	--	--
12/11/17	14,15	HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	280	--	90	220	--	--
01/11/18	15,16	HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-1, RW-9, RW-13, RW-18 and RW-26	160	--	120	340	--	--
02/12/18	15	HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-1 through RW-18, and RW-26	60	--	75	290	--	--
03/14/18	15	HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-1, -4, -5, -7, -9, -10, -11, -13, -14, -18 and -26	--	--	--	--	--	--
03/28/18	15	HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-1, -4, -5, -7, -9, -10, -11, -13, -14, -18 and -26	200	--	160	240	--	--
04/02/18	15	HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-1, -4, -5, -7, -9, -10, -11, -13, -14, -18 and -26	180	--	140	220	--	--
05/02/18	15	HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-1, -4, -5, -7, -9, -10, -11, -13, -14, -18 and -26	140	--	120	200	--	--
06/06/18	15	HW-1, HW-5, HW-7, VEW-39, RW-1, -4, -9, -10, -11, -13, -14 and -18	100	--	80	160	--	--
06/27/18	15	HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-19, -20, -22, -24, -26 through -30, -32, -33, -35 through -38 and -40 through -50	--	--	--	--	--	--
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	--	--	--	--	--	--

TABLE 9A

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

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Notes	Vapor Extraction System(s) Wells On Line *	Well GRO Concentration (ppmv) / Screen Depth for Horizontal Wells or Interval in Feet Below Grade for Vertical Wells					
			HW-1	HW-3 **	HW-5	HW-7 **	HW-8	HW-9
			25	25	25	25	60	220
12/03/18	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	15	HW-1, HW-5, HW-7, HW-8, HW-9	4,900	--	1,336	1,215	431	1,375
01/15/20	15	HW-1, HW-5, HW-7, HW-8, HW-9	184	--	6	10	976	22
02/05/20	15	HW-1, HW-5, HW-7, HW-8, HW-9	371	--	5	124	6	843
02/14/20	15	HW-1, HW-5, HW-7, HW-8, HW-9	397	--	24	366	4	805
02/18/20	15	HW-1, HW-5, HW-7, HW-8, HW-9	139	--	4	149	3	530
02/27/20	15	HW-1, HW-5, HW-7, HW-8, HW-9	155	--	29	21	2	1,192
03/04/20	15	HW-1, HW-5, HW-7, HW-8, HW-9	2,188	--	611	461	61	774
03/16/20	15	HW-1, HW-5, HW-7, HW-8, HW-9	1,520	--	241	186	21	4,344
03/24/20	15	HW-1, HW-5, HW-7, HW-8, HW-9	339	--	57	156	6	2,681

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.

* = 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

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

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
03/02/16	4,6	VEW-32, VEW-33, HW-1, HW-3, HW-5	--	--	--	--	--	120	15	--	--	--	240	32	--	--	--	47	31	--	--	--	--	--	--	--
04/06/16	4,6	VEW-32, VEW-33, HW-1, HW-3, HW-5	--	--	--	--	--	60	12	--	--	--	380	18	--	--	--	29	22	--	--	--	--	--	--	--
05/04/16	4,6	VEW-32, VEW-33, HW-1, HW-3, HW-5	--	--	--	--	--	90	19	--	--	--	340	25	--	--	--	36	18	--	--	--	--	--	--	--
06/17/16	6	HW-1, HW-3, HW-5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/06/16	6,10	HW-1, HW-3, HW-5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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	--	--	--	--	--	#REF!	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 9C

Historical Summary of Field Vapor Readings - Eastern Area Vertical Wells

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Notes	Vapor Extraction System(s) Wells On Line *	Well GRO Concentration (ppmv) / Screen Interval in Feet Below Grade																						
			Truckline #1, VECV #1					Truckline #1, VECV #2					Truckline #1, VECV #3					Truckline #1, VECV #4				Truckline #1, VECV #5				
			RW-1	RW-6	RW-15	RW-16	RW-17	VEW-32	VEW-37	RW-2	RW-7	RW-11	VEW-33	VEW-36	RW-8	RW-12	RW-18	VEW-34	VEW-35	RW-13	RW-14	RW-3	RW-4	RW-5	RW-9	RW-10
			15 - 35	17 - 37	18 - 38	14 - 34	19 - 39	10 - 25	10 - 25	13 - 33	17 - 37	16 - 36	10 - 25	10 - 25	18.5 - 38.5	14 - 34	18 - 38	10 - 25	10 - 25	15 - 35	14 - 34	17 - 37	14 - 34	14 - 34	15 - 35	14 - 34
08/29/18	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
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	0	0	0	0	2	434	0	0	0	0	0	0	10	6	226	124	0	28	0	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-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)	1,156	0	0	0	0	0	2	1,370	262	0	0	2	1,024	2	14	2	2	88	128	46	202	8	836	746

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	13 - 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

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	8015M & 8260M	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
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
HW-7 *	07/09/14	1		4,176	**2,055**	**8,400**	**3.1**	**10**	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	10/23/14			2.0	<4.9	<20	<0.2	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	04/27/15			810	**590**	**2,400**	**3.4**	**11**	**0.69**	**2.6**	**0.32**	**1.4**	**0.20**	**0.88**	**1.2**	**5.0**	<0.55	<2.0
	08/10/15			732	**950**	**3,900**	**6.3**	**20**	**0.34**	**1.3**	**0.64**	**2.8**	**0.30**	**1.3**	**2.3**	**10**	<0.55	<2.0
	02/08/16			240	**190**	**780**	**1.2**	**3.8**	**0.37**	**1.4**	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	04/06/16			220	**170**	**710**	**1.4**	**4.4**	**0.53**	**2.0**	<0.12	<0.50	<0.12	<0.50	**0.28**	**1.2**	<0.55	<2.0
	08/08/16			230	**170**	**710**	**2.0**	**6.5**	**0.56**	**2.1**	<0.12	<0.50	<0.12	<0.50	**0.32**	**1.4**	<0.55	<2.0
	01/18/17	2		200	**110**	**370**	**2.0**	**6.5**	**0.82**	**3.1**	**0.12**	**0.52**	**0.12**	**0.51**	**0.35**	**1.5**	<0.55	<2.0
	05/03/17			260	**240**	**1,000**	**2.1**	**6.6**	**1.2**	**4.6**	**0.15**	**0.64**	**0.15**	**0.66**	**0.51**	**2.2**	<0.55	<2.0
	11/02/17			334	**210**	**860**	**2.3**	**7.4**	**1.2**	**4.4**	**0.18**	**0.78**	**0.16**	**0.68**	**0.51**	**2.2**	<0.55	<2.0
	02/12/18			290	**230**	**960**	**1.3**	**4.0**	**0.48**	**1.8**	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	03/28/18			270	**190**	**760**	**0.59**	**1.9**	**0.21**	**0.79**	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/06/18			--	**210**	**840**	**1.30**	**4.2**	**0.80**	**3.00**	**0.12**	**0.53**	**0**	**1**	**0**	**2**	<0.55	<2.0
	02/12/19			696	**240**	**1,000**	**2.30**	**7.2**	**0.88**	**3.30**	**0.14**	**0.60**	**0**	**1**	**0**	**2**	<0.55	<2.0
	11/25/19			730	**240**	**1,000**	**0.53**	**1.7**	**0.42**	**1.60**	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	02/18/20			149	**16**	**64**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
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
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
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

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-33	07/09/14	1	8015M & 8260M	10	<4.9	<20	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	10/23/14			22	**6.6**	**27**	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	04/27/15			324	**270**	**1,100**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/10/15			334	**290**	**1,200**	**0.50**	**1.6**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	**0.32**	**1.4**	<0.55	<2.0
	02/08/16			220	**270**	**1,100**	**0.38**	**1.2**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	04/06/16			380	**340**	**1,400**	**0.50**	**1.6**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	**0.25**	**1.1**	<0.55	<2.0
	06/27/17			5.8	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
VEW-34	07/09/14	1		4.2	<4.9	<20	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	10/23/14			8.0	<4.9	<20	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	04/27/15			115	**44**	**180**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/10/15			63	**14**	**57**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/17			7.0	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
VEW-35	07/09/14	1		5.5	<4.9	<20	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	10/23/14			28	<4.9	<20	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	04/27/15			4.8	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/10/15			16.4	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/17			4.5	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
VEW-36	07/09/14	1		6.4	<4.9	<20	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	10/23/14			9.1	<4.9	<20	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	04/27/15			5.7	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/10/15			2.2	**8.1**	**33**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/17			6.7	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
VEW-37	07/09/14	1		20	<4.9	<20	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	10/23/14			151	<4.9	<20	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	04/27/15			2.4	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/10/15			3.9	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/17			5.7	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
VEW-38	06/27/17	3		331	**37**	**150**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	07/27/17			--	**490**	**2,000**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	09/07/17			480	**440**	**1,800**	<0.16	<0.50	<0.13	<0.50	**0.17**	**0.74**	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/18	4		51	**8.3**	**34**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
VEW-39	06/27/17	3		130	**37**	**150**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	07/27/17			--	**1,100**	**4,300**	**0.41**	**1.3**	<0.13	<0.50	**0.78**	**3.4**	<0.12	<0.50	**0.62**	**2.7**	<0.55	<2.0
	09/07/17			190	**29**	**120**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
VEW-40	06/27/17	3		3,018	**2,700**	**11,000**	**0.28**	**0.88**	<0.13	<0.50	**0.99**	**4.3**	<0.12	<0.50	**0.81**	**3.5**	<0.55	<2.0
	07/27/17			--	**8,800**	**36,000**	**1.4**	**4.4**	<0.13	<0.50	**8.5**	**37**	**0.23**	**1.0**	**5.3**	**23**	<0.55	<2.0
	09/07/17			9,200	**7,600**	**31,000**	**0.97**	**3.1**	<0.13	<0.50	**3.7**	**16**	**0.25**	**1.1**	**2.2**	**9.0**	<0.55	<2.0
	06/27/18	4		5,100	**2,900**	**12,000**	<0.78	<2.5	<0.78	<2.5	**0.78**	**3.4**	<0.58	<2.5	<1.2	<5.0	<2.8	<10
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

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-9	08/09/17	5	8015M & 8260M	1,164	**1,100**	**4,500**	**0.44**	**1.4**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	09/07/17			320	**240**	**1,000**	**0.75**	**2.4**	<0.13	<0.50	**0.19**	**0.83**	<0.12	<0.50	**0.41**	**1.8**	<0.55	<2.0
	03/14/18			2,824	**2,000**	**8,100**	**18**	**59**	<0.13	<0.50	**5.1**	**22**	**3.0**	**13**	**9.4**	**41**	<0.55	<2.0
RW-10	03/14/18	6		>10,000	**14,000**	**58,000**	**14**	**45**	<0.13	<0.50	**0.69**	**3.0**	**0.53**	**2.3**	**5.8**	**25**	<0.55	<2.0
RW-11	03/14/18	6		420	**230**	**950**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-12	08/09/17	5		76	**100**	**420**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	03/14/18			5.5	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-13	08/09/17	5		2,440	**1,800**	**7,400**	**1.6**	**5.0**	<0.13	<0.50	**0.22**	**0.95**	**0.28**	**1.2**	**1.7**	**7.4**	<0.55	<2.0
	09/07/17			2,870	**1,800**	**7,400**	**5.9**	**19.0**	<0.13	<0.50	**1.8**	**7.9**	**1.5**	**6.4**	**6.4**	**28**	<0.55	<2.0
	03/14/18			2,000	**7,300**	**30,000**	**9.1**	**29**	<0.13	<0.50	**0.64**	**2.8**	**0.46**	**2.0**	**1.8**	**7.6**	<0.55	<2.0
RW-14	03/14/18	6		1,235	**950**	**3,900**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-18	08/09/17	5		374	**170**	**700**	**1.3**	**4.2**	<0.13	<0.50	**0.32**	**1.4**	**0.28**	**1.2**	**1.2**	**5.3**	<0.55	<2.0
	09/07/17			679	**320**	**1,300**	**2.2**	**7.1**	0.7	3	**0.62**	**2.7**	**0.53**	**2.3**	**2.2**	**9.6**	<0.55	<2.0
	03/14/18			937	**490**	**2,000**	**1.4**	**4.4**	<0.13	<0.50	<0.12	<0.50	**0.25**	**1.1**	**0.76**	**3.3**	<0.55	<2.0
RW-19	06/27/18	4		43	**4.9**	**20**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-20	08/16/17	5		129	**73**	**300**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	09/07/17			58	**61**	**250**	<0.16	<0.50	<0.13	<0.50	**0.16**	**0.69**	<0.12	<0.50	**0.32**	**1.4**	<0.55	<2.0
	06/27/18	4		42	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-21	08/09/17	5		160	**95**	**390**	<0.16	<0.50	<0.13	<0.50	**<0.12**	**<0.50**	<0.12	<0.50	**<0.23**	**<1.0**	<0.55	<2.0
	06/27/18	4		55	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-22	08/16/17	5		1,775	**1,600**	**6,700**	**0.38**	**1.2**	<0.13	<0.50	**3.2**	**14**	**0.20**	**0.88**	**4.6**	**20**	<0.55	<2.0
	09/07/17			1,379	**1,200**	**5,000**	**0.44**	**1.4**	<0.13	<0.50	**2.2**	**9.5**	**0.48**	**2.1**	**3.2**	**14**	<0.55	<2.0
	06/27/18	4		2,595	**1,200**	**4,800**	<0.78	<2.5	<0.66	<2.5	<0.58	<2.5	<0.58	<2.5	<1.2	<5.0	<2.8	<10
RW-23	08/09/17	5		787	**660**	**2,700**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	09/07/17			141	**83**	**340**	<0.16	<0.50	<0.13	<0.50	**0.25**	**1.1**	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-24	08/16/17	5		1,525	**1,400**	**5,900**	<0.16	<0.50	<0.13	<0.50	**0.19**	**0.82**	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	09/07/17			1,423	**930**	**3,800**	<0.16	<0.50	<0.13	<0.50	**0.37**	**1.6**	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/18	4		459	**98**	**400**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-25	06/27/18	4		89	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-26	08/09/17	5		4,340	**7,100**	**29,000**	**0.23**	**0.75**	<0.13	<0.50	**0.94**	**4.1**	<0.12	<0.50	**0.35**	**1.5**	<0.55	<2.0
	09/07/17			3,290	**3,200**	**13,000**	**<0.16**	**<0.50**	<0.13	<0.50	**0.88**	**3.8**	<0.12	<0.50	**<0.23**	**<1.0**	<0.55	<2.0
	06/27/18	4		1,821	**710**	**2,900**	<0.78	<2.5	<0.66	<2.5	<0.58	<2.5	<0.58	<2.5	<1.2	<5.0	<2.8	<10
RW-27	06/27/18	4		1,215	**420**	**1,700**	<0.31	<1.0	<0.27	<1.0	<0.23	<1.0	<0.23	<1.0	<0.46	<2.0	<1.1	<4.0
RW-28	08/09/17	5		8,420	**7,600**	**31,000**	**2.4**	**7.6**	<0.13	<0.50	**9.4**	**41**	**0.28**	**1.2**	**3.7**	**16**	<0.55	<2.0
	09/07/17			8,080	**7,300**	**30,000**	**1.7**	**5.5**	<0.13	<0.50	**8.1**	**35**	**0.25**	**1.1**	**3.0**	**13**	<0.55	<2.0
	06/27/18	4		5,000	**4,200**	**17,000**	<0.78	<2.5	<0.66	<2.5	**2.3**	**10**	<0.58	<2.5	**1.9**	**8.2**	<2.8	<10
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

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-33	08/16/17	5	8015M & 8260M	1,230	**860**	**3,500**	<0.16	<0.50	<0.13	<0.50	**0.44**	**1.9**	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	09/07/17			836	**640**	**2,600**	<0.16	<0.50	<0.13	<0.50	**0.35**	**1.5**	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/18	4		843	**210**	**840**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-34	06/27/18	4		46	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-35	06/27/18	4		416	**83**	**340**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-36	06/27/18	4		452	**440**	**1,800**	<0.78	<2.5	<0.66	<2.5	<0.58	<2.5	<0.58	<2.5	<1.2	<5.0	<2.8	<10
RW-37	06/27/18	4		1,509	**210**	**850**	<0.31	<1.0	<0.27	<1.0	<0.23	<1.0	<0.23	<1.0	<0.46	<2.0	<1.1	<4.0
RW-38	06/27/18	4		134	**24**	**100**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-39	06/27/18	4		24	**37**	**150**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-40	06/27/18	4		1,782	**2,900**	**12,000**	<0.78	<2.5	<0.66	<2.5	**0.78**	**3.4**	<0.58	<2.5	<1.2	<5.0	<2.8	<10
RW-41	06/27/18	4		849	**1,300**	**5,300**	<0.78	<2.5	<0.66	<2.5	<0.58	<2.5	<0.58	<2.5	<1.2	<5.0	<2.8	<10
RW-42	06/27/18	4		3,040	**1,500**	**6,200**	<0.78	<2.5	<0.66	<2.5	<0.58	<2.5	<0.58	<2.5	<1.2	<5.0	<2.8	<10
RW-43	06/27/18	4		886	**230**	**950**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-44	06/27/18	4		728	**88**	**360**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	**2.2**	**9.4**	**0.60**	**2.6**	<0.55	<2.0
RW-45	06/27/18	4		56	**14**	**57**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	**0.12**	**0.50**	<0.23	<1.0	<0.55	<2.0
RW-46	06/27/18	4		191	**44**	**180**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-47	06/27/18	4		751	**240**	**1,000**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-48	06/27/18	4		1,454	**540**	**2,200**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-49	06/27/18	4		823	**180**	**720**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-50	06/27/18	4		5,000	**1,600**	**6,500**	<0.78	<2.5	<0.66	<2.5	**1.2**	**5.0**	<0.58	<2.5	<1.2	<5.0	<2.8	<10
RTF-18-NW	10/05/17	7		9,000	**16,000**	**67,000**	**100**	**330**	**0.18**	**0.66**	**12**	**52**	**13**	**56**	**60**	**260**	<0.55	<2.0
	10/09/17	7		3,635	**18,000**	**72,000**	**170**	**550**	<1.3	<5.0	**17**	**75**	**19**	**83**	**92**	**400**	<5.5	<20

Legend / Notes:

GRO = Gasoline range organics

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

MTBE = Methyl tertiary-butyl ether

ppmv = Parts per million by volume

µg/L = Micrograms per liter

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

-- = Not measured

- Reported concentrations are shown in bold.

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

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

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

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

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

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

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

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

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

TABLE 11A

Biosparge System Operations Summary - January

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)
01/01/20	*		4850.1	--	--	--	--	8.0	--	--
01/02/20	*		4874.1	--	--	--	--	8.0	--	--
01/03/20	*		4898.1	--	--	--	--	8.0	--	--
01/04/20	*		4922.0	--	--	--	--	8.0	--	--
01/05/20	*		4946.0	--	--	--	--	8.0	--	--
01/06/20	*		4969.9	--	--	--	--	8.0	--	--
01/07/20	*		4993.9	--	--	--	--	8.0	--	--
01/08/20	*		5017.9	--	--	--	--	8.0	--	--
01/09/20	*		5041.8	--	--	--	--	8.0	--	--
01/10/20	*		5065.8	--	--	--	--	8.0	--	--
01/11/20	*		5089.8	--	--	--	--	8.0	--	--
01/12/20	*		5113.7	--	--	--	--	8.0	--	--
01/13/20	*		5137.7	--	--	--	--	8.0	--	--
01/14/20	*		5161.6	--	--	--	--	8.0	--	--
01/15/20	Technician		5185.6	7	225	97	8	8.5	7	92
01/16/20	*		5209.6	--	--	--	--	8.5	--	--
01/17/20	*		5233.7	--	--	--	--	8.5	--	--
01/18/20	*		5257.7	--	--	--	--	8.5	--	--
01/19/20	*		5281.8	--	--	--	--	8.5	--	--
01/20/20	*		5305.8	--	--	--	--	8.5	--	--
01/21/20	*		5329.9	--	--	--	--	8.5	--	--
01/22/20	Technician		5353.9	14	240	94	11	7.5	10	89
01/23/20	*		5378.1	--	--	--	--	7.5	--	--
01/24/20	*		5402.3	--	--	--	--	7.5	--	--
01/25/20	*		5426.5	--	--	--	--	7.5	--	--
01/26/20	*		5450.7	--	--	--	--	7.5	--	--
01/27/20	Technician		5474.9	9	230	108	8	8.0	7	100
01/28/20	*		5498.1	--	--	--	--	8.0	--	--
01/29/20	*		5521.2	--	--	--	--	8.0	--	--
01/30/20	Technician		5544.4	10	235	105	9	7.0	9	99
01/31/20	*		5568.4	--	--	--	--	7.0	--	--

Legend / Notes:

System operating under SCAQMD Various Locations Permit #G52288

Biosparge wells on line this month (grouped by location):
Central Area - (BSP-25, -26, -28), (BSP-29, -30), (BSP-21, -22, -23, -24, -27). Eastern Area- (BSP-10, -11, RW-11), (BSP-12, -13, RW-18), (BSP-14, RW-4, -5, -9, -10, -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, -45), (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 - February

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)
02/01/20	*		5592.5	--	--	--	--	7.0	--	--
02/03/20	*		5640.5	--	--	--	--	7.0	--	--
02/04/20	*		5664.5	--	--	--	--	7.0	--	--
02/05/20	*		5688.6	--	--	--	--	7.0	--	--
02/06/20	*		5712.6	--	--	--	--	7.0	--	--
02/07/20	Technician		5736.6	8	220	101	8	8.5	6	94
02/08/20	*		5760.0	--	--	--	--	8.5	--	--
02/09/20	*		5783.4	--	--	--	--	8.5	--	--
02/10/20	*		5806.8	--	--	--	--	8.5	--	--
02/11/20	*		5830.2	--	--	--	--	8.5	--	--
02/12/20	*		5853.6	--	--	--	--	8.5	--	--
02/13/20	*		5877.0	--	--	--	--	8.5	--	--
02/14/20	Technician		5900.4	9	200	86	8	8.0	7	80
02/15/20	*		5924.6	--	--	--	--	8.0	--	--
02/16/20	*		5948.9	--	--	--	--	8.0	--	--
02/17/20	*		5973.1	--	--	--	--	8.0	--	--
02/18/20	*		5997.4	--	--	--	--	8.0	--	--
02/19/20	*		6021.6	--	--	--	--	8.0	--	--
02/20/20	*		6045.9	--	--	--	--	8.0	--	--
02/21/20	Technician		6070.1	11	230	100	9	8.0	7	95
02/22/20	*		6094.8	--	--	--	--	8.0	--	--
02/23/20	*		6119.4	--	--	--	--	8.0	--	--
02/24/20	Technician		6144.1	9	215	98	8	8.0	7	95
02/25/20	*		6168.2	--	--	--	--	8.0	--	--
02/26/20	*		6192.4	--	--	--	--	8.0	--	--
02/27/20	*		6216.5	--	--	--	--	8.0	--	--
02/28/20	*		6240.6	--	--	--	--	8.0	--	--
02/29/20	*		6264.8	--	--	--	--	8.0	--	--

Legend / Notes:

System operating under SCAQMD Various Locations Permit #G52288

Biosparge wells on line this month (grouped by location):
Central Area - (BSP-25, -26, -28), (BSP-29, -30), (BSP-21, -22, -23, -24, -27). Eastern Area- (BSP-10, -11, RW-11), (BSP-12, -13, RW-18), (BSP-14, RW-4, -5, -9, -10, -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, -45), (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 - March

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)
03/01/20	*		6288.9	--	--	--	--	8	--	--
03/02/20	*		6313.1	--	--	--	--	8	--	--
03/03/20	*		6337.2	--	--	--	--	8	--	--
03/04/20	*		6361.3	--	--	--	--	8	--	--
03/05/20	*		6385.5	--	--	--	--	8	--	--
03/06/20	Technician		6409.6	10	225	94	9	8	7	90
03/07/20	*		6433.5	--	--	--	--	8	--	--
03/08/20	*		6457.5	--	--	--	--	8	--	--
03/09/20	*		6481.4	--	--	--	--	8	--	--
03/10/20	*		6505.4	--	--	--	--	8	--	--
03/11/20	*		6529.3	--	--	--	--	8	--	--
03/12/20	*		6553.3	--	--	--	--	8	--	--
03/13/20	*		6577.2	--	--	--	--	8	--	--
03/14/20	*		6601.2	--	--	--	--	8	--	--
03/15/20	*		6625.1	--	--	--	--	8	--	--
03/16/20	*		6649.1	--	--	--	--	8	--	--
03/17/20	Technician		6673.0	11	210	85	9	8	9	80
03/18/20	*		6697.2	--	--	--	--	8	--	--
03/19/20	*		6721.3	--	--	--	--	8	--	--
03/20/20	*		6745.5	--	--	--	--	8	--	--
03/21/20	*		6769.7	--	--	--	--	8	--	--
03/22/20	*		6793.8	--	--	--	--	8	--	--
03/23/20	Technician		6818.0	11	215	90	9	8	7	83
03/24/20	*		6841.8	--	--	--	--	8	--	--
03/25/20	*		6865.7	--	--	--	--	8	--	--
03/26/20	*		6889.5	--	--	--	--	8	--	--
03/27/20	*		6913.4	--	--	--	--	8	--	--
03/28/20	*		6937.2	--	--	--	--	8	--	--
03/29/20	*		6961.0	--	--	--	--	8	--	--
03/30/20	*		6984.9	--	--	--	--	8	--	--
03/31/20	Technician		7008.7	9.5	230	110	8	7.9	8	90

Legend / Notes:

System operating under SCAQMD Various Locations Permit #G52288

Biosparge wells on line this month (grouped by location):
Central Area - (BSP-25, -26, -28), (BSP-29, -30), (BSP-21, -22, -23, -24, -27). Eastern Area- (BSP-10, -11, RW-11), (BSP-12, -13, RW-18), (BSP-14, RW-4, -5, -9, -10, -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, -45), (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

January 21, 2020

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5333309 / 0A15016

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 01/15/20 15:01 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: A5333309
Date Received: 01/15/20
Date Reported: 01/21/20

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
GRO in Vapor as Hexane					
VES Influent	0A15016-01	Vapor	5	01/15/20 09:34	01/15/20 15:01
VES Effluent	0A15016-02	Vapor	5	01/15/20 09:30	01/15/20 15:01
VOCs BTEX/MTBE Vapor GC/MS					
VES Influent	0A15016-01	Vapor	5	01/15/20 09:34	01/15/20 15:01
VES Effluent	0A15016-02	Vapor	5	01/15/20 09:30	01/15/20 15:01
VOCs Gasoline Range Organics Vapor					
VES Influent	0A15016-01	Vapor	5	01/15/20 09:34	01/15/20 15:01
VES Effluent	0A15016-02	Vapor	5	01/15/20 09:30	01/15/20 15:01

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333309
Project No:	04-NDLA-013	**Date Received:**	01/15/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/21/20
Matrix:	Vapor	**Sampled:**	01/15/20
Dilution:	1	**Prepared:**	01/16/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	01/16/20

VES Influent

0A15016-01 (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	90.2 %	70-140
Dibromofluoromethane	94.1 %	70-140
Toluene-d8	92.9 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333309
Project No:	04-NDLA-013	**Date Received:**	01/15/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/21/20
Matrix:	Vapor	**Sampled:**	01/15/20
Dilution:	0.5	**Prepared:**	01/16/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	01/16/20

VES Effluent

0A15016-02 (Vapor)

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

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	89.6 %	70-140
Dibromofluoromethane	96.4 %	70-140
Toluene-d8	93.9 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333309
Project No:	04-NDLA-013	**Date Received:**	01/15/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/21/20
Matrix:	Vapor	**Sampled:**	01/15/20
Dilution:	1	**Prepared:**	01/16/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	01/16/20

VES Influent

0A15016-01 (Vapor)

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

Surrogates	**%REC**	**%REC Limits**
a,a,a-Trifluorotoluene	104 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333309
Project No:	04-NDLA-013	**Date Received:**	01/15/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/21/20
Matrix:	Vapor	**Sampled:**	01/15/20
Dilution:	1	**Prepared:**	01/16/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	01/16/20

VES Effluent

0A15016-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**29**	ug/L	20	**7.1**	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:**	A5333309
Project No:	04-NDLA-013	**Date Received:**	01/15/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/21/20
Method:	GRO in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	01/15/20	01/15/20	
Date Prepared:	01/16/20	01/16/20	
Date Analyzed:	01/16/20	01/16/20	
AA ID No:	0A15016-01	0A15016-02	
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	<5.7	**6.4**	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: A5333309
Date Received: 01/15/20
Date Reported: 01/21/20

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 B0A1602 - *** DEFAULT PREP ****										
Blank (B0A1602-BLK1)				Prepared & Analyzed: 01/16/20						
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	*46.0*		*ug/L*	*50*		*92.0*	*70-140*			
Surrogate: Dibromofluoromethane	*48.1*		*ug/L*	*50*		*96.1*	*70-140*			
Surrogate: Toluene-d8	*46.7*		*ug/L*	*50*		*93.3*	*70-140*			
LCS (B0A1602-BS1)				Prepared & Analyzed: 01/16/20						
Benzene	**17.8**	0.50	ug/L	20		89.0	75-125			
Ethylbenzene	**20.6**	0.50	ug/L	20		103	75-125			
Methyl-tert-Butyl Ether (MTBE)	**33.9**	2.0	ug/L	40		84.7	75-125			
Toluene	**20.1**	0.50	ug/L	20		100	75-125			
o-Xylene	**20.6**	0.50	ug/L	20		103	75-125			
m,p-Xylenes	**40.1**	1.0	ug/L	40		100	75-125			
Surrogate: 4-Bromofluorobenzene	*46.0*		*ug/L*	*50*		*91.9*	*70-140*			
Surrogate: Dibromofluoromethane	*41.6*		*ug/L*	*50*		*83.1*	*70-140*			
Surrogate: Toluene-d8	*46.8*		*ug/L*	*50*		*93.6*	*70-140*			
LCS Dup (B0A1602-BSD1)				Prepared & Analyzed: 01/16/20						
Benzene	**18.0**	0.50	ug/L	20		89.8	75-125	0.951	30	
Ethylbenzene	**20.5**	0.50	ug/L	20		103	75-125	0.243	30	
Methyl-tert-Butyl Ether (MTBE)	**37.8**	2.0	ug/L	40		94.4	75-125	10.9	30	
Toluene	**20.7**	0.50	ug/L	20		103	75-125	2.95	30	
o-Xylene	**20.7**	0.50	ug/L	20		104	75-125	0.775	30	
m,p-Xylenes	**40.6**	1.0	ug/L	40		101	75-125	1.24	30	
Surrogate: 4-Bromofluorobenzene	*45.5*		*ug/L*	*50*		*91.0*	*70-140*			
Surrogate: Dibromofluoromethane	*42.9*		*ug/L*	*50*		*85.9*	*70-140*			
Surrogate: Toluene-d8	*46.8*		*ug/L*	*50*		*93.6*	*70-140*			
Duplicate (B0A1602-DUP1)				**Source: 0A15015-01** Prepared & Analyzed: 01/16/20						

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: A5333309
Date Received: 01/15/20
Date Reported: 01/21/20

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 B0A1602 - *** DEFAULT PREP ****										
Duplicate (B0A1602-DUP1) Continued			**Source: 0A15015-01**	Prepared & Analyzed: 01/16/20						
Benzene	**1.37**	0.50	ug/L		1.26			8.37	30	
Ethylbenzene	**4.10**	0.50	ug/L		3.79			7.86	30	
Methyl-tert-Butyl Ether (MTBE)	**<2.0**	2.0	ug/L						30	
Toluene	**14.3**	0.50	ug/L		13.4			6.42	30	
o-Xylene	**3.01**	0.50	ug/L		2.77			8.30	30	
m,p-Xylenes	**11.6**	1.0	ug/L		10.8			6.61	30	
Surrogate: 4-Bromofluorobenzene	*44.3*		*ug/L*	*50*		*88.5*	*70-140*			
Surrogate: Dibromofluoromethane	*45.5*		*ug/L*	*50*		*90.9*	*70-140*			
Surrogate: Toluene-d8	*47.1*		*ug/L*	*50*		*94.1*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B0A1606 - *** DEFAULT PREP ****										
Blank (B0A1606-BLK1)				Prepared & Analyzed: 01/16/20						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*52.6*		*ug/L*	*50*		*105*	*70-130*			
LCS (B0A1606-BS1)				Prepared & Analyzed: 01/16/20						
Gasoline Range Organics (GRO)	**503**	20	ug/L	500		101	75-125			
Surrogate: a,a,a-Trifluorotoluene	*58.9*		*ug/L*	*50*		*118*	*70-130*			
LCS Dup (B0A1606-BSD1)				Prepared & Analyzed: 01/16/20						
Gasoline Range Organics (GRO)	**508**	20	ug/L	500		102	75-125	1.03	30	
Surrogate: a,a,a-Trifluorotoluene	*59.5*		*ug/L*	*50*		*119*	*70-130*			
Duplicate (B0A1606-DUP1)			**Source: 0A15017-01**	Prepared & Analyzed: 01/16/20						
Gasoline Range Organics (GRO)	**11000**	200	ug/L		10300			6.86	30	
Surrogate: a,a,a-Trifluorotoluene	*58.2*		*ug/L*	*50*		*116*	*70-130*			
GRO in Vapor as Hexane - Quality Control										
*Batch B0A1606 - *** DEFAULT PREP ****										
Blank (B0A1606-BLK1)				Prepared & Analyzed: 01/16/20						
GRO as Hexane	<5.7	5.7	ppmv							
Duplicate (B0A1606-DUP1)			**Source: 0A15017-01**	Prepared & Analyzed: 01/16/20						

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: A5333309
Date Received: 01/15/20
Date Reported: 01/21/20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
GRO in Vapor as Hexane - Quality Control										
*Batch B0A1606 - *** DEFAULT PREP ****										
Duplicate (B0A1606-DUP1) Continued	**Source: 0A15017-01**		Prepared & Analyzed: 01/16/20							
GRO as Hexane	**2410**	57	ppmv		2250			6.77	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333309
Project No:	04-NDLA-013	**Date Received:**	01/15/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/21/20

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

19086

Client:	APEX/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 Influent	0A15016-01	1-15-20	0934	Air	1	✓	✓	✓								
VES Effluent	-02	"	0930	Air	1	✓	✓	✓								

PRIORITY SH Rush Date 1/15/20 Time (60) sign

A5332709/0A15016

Relinquished by	Date	Time	Received by
Glenn Androsko	1-15-20	13:10	[signature]
[signature]	1-15-20	15:01	[signature]

20 JAN 15

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

AMERICAN ANALYTICS

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

January 21, 2020

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5333311 / 0A15018

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 01/15/20 15:01 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: A5333311
Date Received: 01/15/20
Date Reported: 01/21/20

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
GRO in Vapor as Hexane					
VES After GAC-1	0A15018-01	Vapor	5	01/15/20 09:33	01/15/20 15:01
VES After GAC-2	0A15018-02	Vapor	5	01/15/20 09:32	01/15/20 15:01
VOCs BTEX/MTBE Vapor GC/MS					
VES After GAC-1	0A15018-01	Vapor	5	01/15/20 09:33	01/15/20 15:01
VES After GAC-2	0A15018-02	Vapor	5	01/15/20 09:32	01/15/20 15:01
VOCs Gasoline Range Organics Vapor					
VES After GAC-1	0A15018-01	Vapor	5	01/15/20 09:33	01/15/20 15:01
VES After GAC-2	0A15018-02	Vapor	5	01/15/20 09:32	01/15/20 15:01

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333311
Project No:	04-NDLA-013	**Date Received:**	01/15/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/21/20
Matrix:	Vapor	**Sampled:**	01/15/20
Dilution:	1	**Prepared:**	01/16/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	01/16/20

VES After GAC-1

0A15018-01 (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	88.8 %	70-140
Dibromofluoromethane	93.4 %	70-140
Toluene-d8	95.0 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333311
Project No:	04-NDLA-013	**Date Received:**	01/15/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/21/20
Matrix:	Vapor	**Sampled:**	01/15/20
Dilution:	1	**Prepared:**	01/16/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	01/16/20

VES After GAC-2

0A15018-02 (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	89.9 %	70-140
Dibromofluoromethane	92.3 %	70-140
Toluene-d8	92.8 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333311
Project No:	04-NDLA-013	**Date Received:**	01/15/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/21/20
Matrix:	Vapor	**Sampled:**	01/15/20
Dilution:	1	**Prepared:**	01/16/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	01/16/20

VES After GAC-1

0A15018-01 (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	103 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333311
Project No:	04-NDLA-013	**Date Received:**	01/15/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/21/20
Matrix:	Vapor	**Sampled:**	01/15/20
Dilution:	1	**Prepared:**	01/16/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	01/16/20

VES After GAC-2

0A15018-02 (Vapor)

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

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333311
Project No:	04-NDLA-013	**Date Received:**	01/15/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/21/20
Method:	GRO in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	01/15/20	01/15/20	
Date Prepared:	01/16/20	01/16/20	
Date Analyzed:	01/16/20	01/16/20	
AA ID No:	0A15018-01	0A15018-02	
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	<5.7	<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: A5333311
Date Received: 01/15/20
Date Reported: 01/21/20

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 B0A1602 - *** DEFAULT PREP ****										
Blank (B0A1602-BLK1)				Prepared & Analyzed: 01/16/20						
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	*46.0*		*ug/L*	*50*		*92.0*	*70-140*			
Surrogate: Dibromofluoromethane	*48.1*		*ug/L*	*50*		*96.1*	*70-140*			
Surrogate: Toluene-d8	*46.7*		*ug/L*	*50*		*93.3*	*70-140*			
LCS (B0A1602-BS1)				Prepared & Analyzed: 01/16/20						
Benzene	**17.8**	0.50	ug/L	20		89.0	75-125			
Ethylbenzene	**20.6**	0.50	ug/L	20		103	75-125			
Methyl-tert-Butyl Ether (MTBE)	**33.9**	2.0	ug/L	40		84.7	75-125			
Toluene	**20.1**	0.50	ug/L	20		100	75-125			
o-Xylene	**20.6**	0.50	ug/L	20		103	75-125			
m,p-Xylenes	**40.1**	1.0	ug/L	40		100	75-125			
Surrogate: 4-Bromofluorobenzene	*46.0*		*ug/L*	*50*		*91.9*	*70-140*			
Surrogate: Dibromofluoromethane	*41.6*		*ug/L*	*50*		*83.1*	*70-140*			
Surrogate: Toluene-d8	*46.8*		*ug/L*	*50*		*93.6*	*70-140*			
LCS Dup (B0A1602-BSD1)				Prepared & Analyzed: 01/16/20						
Benzene	**18.0**	0.50	ug/L	20		89.8	75-125	0.951	30	
Ethylbenzene	**20.5**	0.50	ug/L	20		103	75-125	0.243	30	
Methyl-tert-Butyl Ether (MTBE)	**37.8**	2.0	ug/L	40		94.4	75-125	10.9	30	
Toluene	**20.7**	0.50	ug/L	20		103	75-125	2.95	30	
o-Xylene	**20.7**	0.50	ug/L	20		104	75-125	0.775	30	
m,p-Xylenes	**40.6**	1.0	ug/L	40		101	75-125	1.24	30	
Surrogate: 4-Bromofluorobenzene	*45.5*		*ug/L*	*50*		*91.0*	*70-140*			
Surrogate: Dibromofluoromethane	*42.9*		*ug/L*	*50*		*85.9*	*70-140*			
Surrogate: Toluene-d8	*46.8*		*ug/L*	*50*		*93.6*	*70-140*			
Duplicate (B0A1602-DUP1)				**Source: 0A15015-01** Prepared & Analyzed: 01/16/20						

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: A5333311
Date Received: 01/15/20
Date Reported: 01/21/20

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 B0A1602 - *** DEFAULT PREP ****										
Duplicate (B0A1602-DUP1) Continued			**Source: 0A15015-01**	Prepared & Analyzed: 01/16/20						
Benzene	**1.37**	0.50	ug/L		1.26			8.37	30	
Ethylbenzene	**4.10**	0.50	ug/L		3.79			7.86	30	
Methyl-tert-Butyl Ether (MTBE)	**<2.0**	2.0	ug/L						30	
Toluene	**14.3**	0.50	ug/L		13.4			6.42	30	
o-Xylene	**3.01**	0.50	ug/L		2.77			8.30	30	
m,p-Xylenes	**11.6**	1.0	ug/L		10.8			6.61	30	
Surrogate: 4-Bromofluorobenzene	*44.3*		*ug/L*	*50*		*88.5*	*70-140*			
Surrogate: Dibromofluoromethane	*45.5*		*ug/L*	*50*		*90.9*	*70-140*			
Surrogate: Toluene-d8	*47.1*		*ug/L*	*50*		*94.1*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B0A1606 - *** DEFAULT PREP ****										
Blank (B0A1606-BLK1)				Prepared & Analyzed: 01/16/20						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*52.6*		*ug/L*	*50*		*105*	*70-130*			
LCS (B0A1606-BS1)				Prepared & Analyzed: 01/16/20						
Gasoline Range Organics (GRO)	**503**	20	ug/L	500		101	75-125			
Surrogate: a,a,a-Trifluorotoluene	*58.9*		*ug/L*	*50*		*118*	*70-130*			
LCS Dup (B0A1606-BSD1)				Prepared & Analyzed: 01/16/20						
Gasoline Range Organics (GRO)	**508**	20	ug/L	500		102	75-125	1.03	30	
Surrogate: a,a,a-Trifluorotoluene	*59.5*		*ug/L*	*50*		*119*	*70-130*			
Duplicate (B0A1606-DUP1)			**Source: 0A15017-01**	Prepared & Analyzed: 01/16/20						
Gasoline Range Organics (GRO)	**11000**	200	ug/L		10300			6.86	30	
Surrogate: a,a,a-Trifluorotoluene	*58.2*		*ug/L*	*50*		*116*	*70-130*			
GRO in Vapor as Hexane - Quality Control										
*Batch B0A1606 - *** DEFAULT PREP ****										
Blank (B0A1606-BLK1)				Prepared & Analyzed: 01/16/20						
GRO as Hexane	<5.7	5.7	ppmv							
Duplicate (B0A1606-DUP1)			**Source: 0A15017-01**	Prepared & Analyzed: 01/16/20						

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: A5333311
Date Received: 01/15/20
Date Reported: 01/21/20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
GRO in Vapor as Hexane - Quality Control										
*Batch B0A1606 - *** DEFAULT PREP ****										
Duplicate (B0A1606-DUP1) Continued			**Source: 0A15017-01**	Prepared & Analyzed: 01/16/20						
GRO as Hexane	**2410**	57	ppmv		2250			6.77	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333311
Project No:	04-NDLA-013	**Date Received:**	01/15/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/21/20

Special Notes

Viorel Vasile
Operations Manager

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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:**	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	0A15018-01	1-15-20	0933	Air	1	✓	✓	✓	
VES After GAC-2	-02	"	0932	Air	1	✓	✓	✓	

PRIORITY
Rush 24 Hrs SH ✓
Date 1/15/2020 Time 1600 Sign

'20 JAN 15 3:01 PM

For Laboratory Use

HS33331/0A15018

Relinquished by	Date	Time	Received by
Glenn Androsko	1-15-20	13:10	[signature]
[signature]	1-15-20	15:01	[signature]

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

AMERICAN ANALYTICS

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

January 24, 2020

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5333321 / 0A22011

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 01/22/20 15:13 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5333321
Date Received: 01/22/20
Date Reported: 01/24/20

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
GRO in Vapor as Hexane					
VES After GAC-2	0A22011-01	Vapor	2	01/22/20 08:34	01/22/20 15:13
VES Effluent	0A22011-02	Vapor	2	01/22/20 08:33	01/22/20 15:13
VOCs BTEX/MTBE Vapor GC/MS					
VES After GAC-2	0A22011-01	Vapor	2	01/22/20 08:34	01/22/20 15:13
VES Effluent	0A22011-02	Vapor	2	01/22/20 08:33	01/22/20 15:13
VOCs Gasoline Range Organics Vapor					
VES After GAC-2	0A22011-01	Vapor	2	01/22/20 08:34	01/22/20 15:13
VES Effluent	0A22011-02	Vapor	2	01/22/20 08:33	01/22/20 15:13

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333321
Project No:	04-NDLA-013	**Date Received:**	01/22/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/24/20
Matrix:	Vapor	**Sampled:**	01/22/20
Dilution:	1	**Prepared:**	01/23/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	01/23/20

VES After GAC-2

0A22011-01 (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	91.4 %	70-140
Dibromofluoromethane	101 %	70-140
Toluene-d8	93.8 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333321
Project No:	04-NDLA-013	**Date Received:**	01/22/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/24/20
Matrix:	Vapor	**Sampled:**	01/22/20
Dilution:	0.5	**Prepared:**	01/23/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	01/23/20

VES Effluent

0A22011-02 (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	91.8 %	70-140
Dibromofluoromethane	101 %	70-140
Toluene-d8	93.8 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333321
Project No:	04-NDLA-013	**Date Received:**	01/22/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/24/20
Matrix:	Vapor	**Sampled:**	01/22/20
Dilution:	1	**Prepared:**	01/23/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	01/23/20

VES After GAC-2

0A22011-01 (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	101 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333321
Project No:	04-NDLA-013	**Date Received:**	01/22/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/24/20
Matrix:	Vapor	**Sampled:**	01/22/20
Dilution:	1	**Prepared:**	01/23/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	01/23/20

VES Effluent

0A22011-02 (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	99.3 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333321
Project No:	04-NDLA-013	**Date Received:**	01/22/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/24/20
Method:	GRO in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	01/22/20	01/22/20	
Date Prepared:	01/23/20	01/23/20	
Date Analyzed:	01/23/20	01/23/20	
AA ID No:	0A22011-01	0A22011-02	
Client ID No:	VES After GAC-2	VES Effluent	
Matrix:	Vapor	Vapor	
Dilution Factor:	1	1	MRL
GRO in Vapor as Hexane (EPA 8015M)			
GRO as Hexane	<5.7	<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: A5333321
Date Received: 01/22/20
Date Reported: 01/24/20

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 B0A2302 - *** DEFAULT PREP ****										
Blank (B0A2302-BLK1)				Prepared & Analyzed: 01/23/20						
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	*45.8*		*ug/L*	*50*		*91.5*	*70-140*			
Surrogate: Dibromofluoromethane	*49.8*		*ug/L*	*50*		*99.7*	*70-140*			
Surrogate: Toluene-d8	*47.4*		*ug/L*	*50*		*94.8*	*70-140*			
LCS (B0A2302-BS1)				Prepared & Analyzed: 01/23/20						
Benzene	**21.1**	0.50	ug/L	20		105	75-125			
Ethylbenzene	**21.4**	0.50	ug/L	20		107	75-125			
Methyl-tert-Butyl Ether (MTBE)	**42.4**	2.0	ug/L	40		106	75-125			
Toluene	**21.6**	0.50	ug/L	20		108	75-125			
o-Xylene	**21.5**	0.50	ug/L	20		107	75-125			
m,p-Xylenes	**42.1**	1.0	ug/L	40		105	75-125			
Surrogate: 4-Bromofluorobenzene	*46.8*		*ug/L*	*50*		*93.6*	*70-140*			
Surrogate: Dibromofluoromethane	*46.2*		*ug/L*	*50*		*92.5*	*70-140*			
Surrogate: Toluene-d8	*47.6*		*ug/L*	*50*		*95.3*	*70-140*			
LCS Dup (B0A2302-BSD1)				Prepared & Analyzed: 01/23/20						
Benzene	**22.5**	0.50	ug/L	20		112	75-125	6.43	30	
Ethylbenzene	**21.0**	0.50	ug/L	20		105	75-125	2.03	30	
Methyl-tert-Butyl Ether (MTBE)	**45.6**	2.0	ug/L	40		114	75-125	7.18	30	
Toluene	**21.4**	0.50	ug/L	20		107	75-125	1.02	30	
o-Xylene	**21.2**	0.50	ug/L	20		106	75-125	0.983	30	
m,p-Xylenes	**41.6**	1.0	ug/L	40		104	75-125	1.24	30	
Surrogate: 4-Bromofluorobenzene	*47.6*		*ug/L*	*50*		*95.2*	*70-140*			
Surrogate: Dibromofluoromethane	*49.1*		*ug/L*	*50*		*98.3*	*70-140*			
Surrogate: Toluene-d8	*48.1*		*ug/L*	*50*		*96.1*	*70-140*			
Duplicate (B0A2302-DUP1)				**Source: 0A22011-01**	Prepared & Analyzed: 01/23/20					

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: A5333321
Date Received: 01/22/20
Date Reported: 01/24/20

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 B0A2302 - *** DEFAULT PREP ****										
Duplicate (B0A2302-DUP1) Continued			**Source: 0A22011-01**	Prepared & Analyzed: 01/23/20						
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	*46.1*		*ug/L*	*50*		*92.3*	*70-140*			
Surrogate: Dibromofluoromethane	*50.6*		*ug/L*	*50*		*101*	*70-140*			
Surrogate: Toluene-d8	*47.7*		*ug/L*	*50*		*95.5*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B0A2308 - *** DEFAULT PREP ****										
Blank (B0A2308-BLK1)				Prepared & Analyzed: 01/23/20						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*49.1*		*ug/L*	*50*		*98.1*	*70-130*			
LCS (B0A2308-BS1)				Prepared & Analyzed: 01/23/20						
Gasoline Range Organics (GRO)	**499**	20	ug/L	500		99.7	75-125			
Surrogate: a,a,a-Trifluorotoluene	*56.8*		*ug/L*	*50*		*114*	*70-130*			
LCS Dup (B0A2308-BSD1)				Prepared & Analyzed: 01/23/20						
Gasoline Range Organics (GRO)	**452**	20	ug/L	500		90.4	75-125	9.84	30	
Surrogate: a,a,a-Trifluorotoluene	*52.3*		*ug/L*	*50*		*105*	*70-130*			
Duplicate (B0A2308-DUP1)			**Source: 0A22011-01**	Prepared & Analyzed: 01/23/20						
Gasoline Range Organics (GRO)	**<20**	20	ug/L		<20				30	
Surrogate: a,a,a-Trifluorotoluene	*51.9*		*ug/L*	*50*		*104*	*70-130*			
GRO in Vapor as Hexane - Quality Control										
*Batch B0A2308 - *** DEFAULT PREP ****										
Blank (B0A2308-BLK1)				Prepared & Analyzed: 01/23/20						
GRO as Hexane	<5.7	5.7	ppmv							
Duplicate (B0A2308-DUP1)			**Source: 0A22011-01**	Prepared & Analyzed: 01/23/20						

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: A5333321
Date Received: 01/22/20
Date Reported: 01/24/20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
GRO in Vapor as Hexane - Quality Control										
*Batch B0A2308 - *** DEFAULT PREP ****										
Duplicate (B0A2308-DUP1) Continued	**Source: 0A22011-01**		Prepared & Analyzed: 01/23/20							
GRO as Hexane	**<5.7**	5.7	ppmv		<5.7				30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333321
Project No:	04-NDLA-013	**Date Received:**	01/22/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/24/20

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

19735

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 (circled)
(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-2	OA22011-01	1-22-20	0834	Air	1	✓	✓	✓								
VES Effluent	-02	"	0833	Air	1	✓	✓	✓								

PRIORITY Rush 48 Hrs Date 1/21/2020 Time 1545 Sign

20 JAN 22

A5333321 / OA22011

Relinquished by	Date	Time	Received by
Glenn Andrusko	1-22-20	12:30	[signature]
[signature]	1-22-20	15:17	[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

February 26, 2020

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5333353 / 0B18007

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 02/18/20 16:12 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: A5333353
Date Received: 02/18/20
Date Reported: 02/26/20

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
GRO in Vapor as Hexane					
VES Influent	0B18007-01	Vapor	5	02/18/20 10:54	02/18/20 16:12
VES Effluent	0B18007-02	Vapor	5	02/18/20 10:46	02/18/20 16:12
VOCs BTEX/MTBE Vapor GC/MS					
VES Influent	0B18007-01	Vapor	5	02/18/20 10:54	02/18/20 16:12
VES Effluent	0B18007-02	Vapor	5	02/18/20 10:46	02/18/20 16:12
VOCs Gasoline Range Organics Vapor					
VES Influent	0B18007-01	Vapor	5	02/18/20 10:54	02/18/20 16:12
VES Effluent	0B18007-02	Vapor	5	02/18/20 10:46	02/18/20 16:12

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333353
Project No:	04-NDLA-013	**Date Received:**	02/18/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/26/20
Matrix:	Vapor	**Sampled:**	02/18/20
Dilution:	1	**Prepared:**	02/19/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	02/19/20

VES Influent

0B18007-01 (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	97.5 %	70-140
Dibromofluoromethane	101 %	70-140
Toluene-d8	97.8 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333353
Project No:	04-NDLA-013	**Date Received:**	02/18/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/26/20
Matrix:	Vapor	**Sampled:**	02/18/20
Dilution:	0.5	**Prepared:**	02/19/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	02/19/20

VES Effluent

0B18007-02 (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	99.9 %	70-140
Dibromofluoromethane	107 %	70-140
Toluene-d8	100 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333353
Project No:	04-NDLA-013	**Date Received:**	02/18/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/26/20
Matrix:	Vapor	**Sampled:**	02/18/20
Dilution:	1	**Prepared:**	02/20/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	02/20/20

VES Influent

0B18007-01 (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	97.9 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333353
Project No:	04-NDLA-013	**Date Received:**	02/18/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/26/20
Matrix:	Vapor	**Sampled:**	02/18/20
Dilution:	1	**Prepared:**	02/20/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	02/20/20

VES Effluent

0B18007-02 (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	102 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333353
Project No:	04-NDLA-013	**Date Received:**	02/18/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/26/20
Method:	GRO in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	02/18/20	02/18/20	
Date Prepared:	02/20/20	02/20/20	
Date Analyzed:	02/20/20	02/20/20	
AA ID No:	0B18007-01	0B18007-02	
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	<5.7	<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: A5333353
Date Received: 02/18/20
Date Reported: 02/26/20

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 B0B1915 - *** DEFAULT PREP ****										
Blank (B0B1915-BLK1)				Prepared & Analyzed: 02/19/20						
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	*49.6*		*ug/L*	*50*		*99.3*	*70-140*			
Surrogate: Dibromofluoromethane	*55.0*		*ug/L*	*50*		*110*	*70-140*			
Surrogate: Toluene-d8	*50.4*		*ug/L*	*50*		*101*	*70-140*			
LCS (B0B1915-BS1)				Prepared & Analyzed: 02/19/20						
Benzene	**22.9**	0.50	ug/L	20		114	75-125			
Ethylbenzene	**22.2**	0.50	ug/L	20		111	75-125			
Methyl-tert-Butyl Ether (MTBE)	**42.9**	2.0	ug/L	40		107	75-125			
Toluene	**20.8**	0.50	ug/L	20		104	75-125			
o-Xylene	**21.0**	0.50	ug/L	20		105	75-125			
m,p-Xylenes	**42.5**	1.0	ug/L	40		106	75-125			
Surrogate: 4-Bromofluorobenzene	*50.3*		*ug/L*	*50*		*101*	*70-140*			
Surrogate: Dibromofluoromethane	*48.5*		*ug/L*	*50*		*97.1*	*70-140*			
Surrogate: Toluene-d8	*51.1*		*ug/L*	*50*		*102*	*70-140*			
LCS Dup (B0B1915-BSD1)				Prepared & Analyzed: 02/19/20						
Benzene	**21.4**	0.50	ug/L	20		107	75-125	6.82	30	
Ethylbenzene	**21.8**	0.50	ug/L	20		109	75-125	1.82	30	
Methyl-tert-Butyl Ether (MTBE)	**41.1**	2.0	ug/L	40		103	75-125	4.17	30	
Toluene	**20.4**	0.50	ug/L	20		102	75-125	2.18	30	
o-Xylene	**20.9**	0.50	ug/L	20		105	75-125	0.524	30	
m,p-Xylenes	**42.3**	1.0	ug/L	40		106	75-125	0.472	30	
Surrogate: 4-Bromofluorobenzene	*48.6*		*ug/L*	*50*		*97.2*	*70-140*			
Surrogate: Dibromofluoromethane	*49.0*		*ug/L*	*50*		*98.0*	*70-140*			
Surrogate: Toluene-d8	*49.9*		*ug/L*	*50*		*99.9*	*70-140*			
Duplicate (B0B1915-DUP1)				**Source: 0B18004-02** Prepared & Analyzed: 02/19/20						

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: A5333353
Date Received: 02/18/20
Date Reported: 02/26/20

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 B0B1915 - *** DEFAULT PREP ****										
Duplicate (B0B1915-DUP1) Continued			**Source: 0B18004-02**	Prepared & Analyzed: 02/19/20						
Benzene	**<0.25**	0.25	ug/L						30	
Ethylbenzene	**<0.25**	0.25	ug/L						30	
Methyl-tert-Butyl Ether (MTBE)	**<1.0**	1.0	ug/L						30	
Toluene	**<0.25**	0.25	ug/L						30	
o-Xylene	**<0.25**	0.25	ug/L						30	
m,p-Xylenes	**<0.50**	0.50	ug/L						30	
Surrogate: 4-Bromofluorobenzene	*50.3*		*ug/L*	*50*		*101*	*70-140*			
Surrogate: Dibromofluoromethane	*53.4*		*ug/L*	*50*		*107*	*70-140*			
Surrogate: Toluene-d8	*50.0*		*ug/L*	*50*		*100*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B0B2003 - *** DEFAULT PREP ****										
Blank (B0B2003-BLK1)				Prepared & Analyzed: 02/20/20						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*51.8*		*ug/L*	*50*		*104*	*70-130*			
LCS (B0B2003-BS1)				Prepared & Analyzed: 02/20/20						
Gasoline Range Organics (GRO)	**505**	20	ug/L	500		101	75-125			
Surrogate: a,a,a-Trifluorotoluene	*58.8*		*ug/L*	*50*		*118*	*70-130*			
LCS Dup (B0B2003-BSD1)				Prepared & Analyzed: 02/20/20						
Gasoline Range Organics (GRO)	**505**	20	ug/L	500		101	75-125	0.0218	30	
Surrogate: a,a,a-Trifluorotoluene	*58.6*		*ug/L*	*50*		*117*	*70-130*			
Duplicate (B0B2003-DUP1)			**Source: 0B18007-01**	Prepared & Analyzed: 02/20/20						
Gasoline Range Organics (GRO)	**<20**	20	ug/L		<20				30	
Surrogate: a,a,a-Trifluorotoluene	*51.7*		*ug/L*	*50*		*103*	*70-130*			
GRO in Vapor as Hexane - Quality Control										
*Batch B0B2003 - *** DEFAULT PREP ****										
Blank (B0B2003-BLK1)				Prepared & Analyzed: 02/20/20						
GRO as Hexane	<5.7	5.7	ppmv							
Duplicate (B0B2003-DUP1)			**Source: 0B18007-01**	Prepared & Analyzed: 02/20/20						

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: A5333353
Date Received: 02/18/20
Date Reported: 02/26/20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
GRO in Vapor as Hexane - Quality Control										
*Batch B0B2003 - *** DEFAULT PREP ****										
Duplicate (B0B2003-DUP1) Continued	**Source: 0B18007-01**		Prepared & Analyzed: 02/20/20							
GRO as Hexane	**<5.7**	5.7	ppmv		<5.7				30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333353
Project No:	04-NDLA-013	**Date Received:**	02/18/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/26/20

Special Notes

Viorel Vasile
Operations Manager

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AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

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:**	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 Influent	OB18007 -01	2-18-20	1054	Air	1	✓	✓	✓								
VES Effluent	-02	"	1046	Air	1	✓	✓	✓								

PRIORITY Hrs Rush Date 2/19/20 Time 0600 Sign SH

20FEB18 9:12

A5333353/OB18007

Relinquished by	Date	Time	Received by
Glenn Androsko	2-18-20	12:00	[signature]
[signature]	2-18-20	16:12	[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.

A5333353/OB18007

AMERICAN ANALYTICS

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

March 31, 2020

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5333415 / 0C16026

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 03/16/20 15:21 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: A5333415
Date Received: 03/16/20
Date Reported: 03/31/20

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
VES Influent	0C16026-01	Vapor	5	03/16/20 11:27	03/16/20 15:21
VES Effluent	0C16026-02	Vapor	5	03/16/20 11:23	03/16/20 15:21
VOCs Gasoline Range Organics Vapor					
VES Influent	0C16026-01	Vapor	5	03/16/20 11:27	03/16/20 15:21
VES Effluent	0C16026-02	Vapor	5	03/16/20 11:23	03/16/20 15:21
VOCs GRO Vapor as Hexane					
VES Influent	0C16026-01	Vapor	5	03/16/20 11:27	03/16/20 15:21
VES Effluent	0C16026-02	Vapor	5	03/16/20 11:23	03/16/20 15:21

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333415
Project No:	04-NDLA-013	**Date Received:**	03/16/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/31/20
Matrix:	Vapor	**Sampled:**	03/16/20
Dilution:	1	**Prepared:**	03/17/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	03/17/20

VES Influent

0C16026-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.50	ug/L	0.5	<0.16	ppmv	0.16
Ethylbenzene	<0.50	ug/L	0.5	<0.12	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<2.0	ug/L	2	<0.55	ppmv	0.55
Toluene	<0.50	ug/L	0.5	<0.13	ppmv	0.13
o-Xylene	<0.50	ug/L	0.5	<0.12	ppmv	0.12
m,p-Xylenes	<1.0	ug/L	1	<0.23	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	96.2 %	70-140
Dibromofluoromethane	93.1 %	70-140
Toluene-d8	94.4 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333415
Project No:	04-NDLA-013	**Date Received:**	03/16/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/31/20
Matrix:	Vapor	**Sampled:**	03/16/20
Dilution:	1	**Prepared:**	03/17/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	03/17/20

VES Effluent

0C16026-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.50	ug/L	0.5	<0.16	ppmv	0.16
Ethylbenzene	<0.50	ug/L	0.5	<0.12	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<2.0	ug/L	2	<0.55	ppmv	0.55
Toluene	<0.50	ug/L	0.5	<0.13	ppmv	0.13
o-Xylene	<0.50	ug/L	0.5	<0.12	ppmv	0.12
m,p-Xylenes	<1.0	ug/L	1	<0.23	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	96.8 %	70-140
Dibromofluoromethane	97.0 %	70-140
Toluene-d8	94.1 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333415
Project No:	04-NDLA-013	**Date Received:**	03/16/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/31/20
Matrix:	Vapor	**Sampled:**	03/16/20
Dilution:	1	**Prepared:**	03/17/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	03/17/20

VES Influent

0C16026-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**74**	ug/L	20	**18.09**	ppmv	4.89

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:**	A5333415
Project No:	04-NDLA-013	**Date Received:**	03/16/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/31/20
Matrix:	Vapor	**Sampled:**	03/16/20
Dilution:	1	**Prepared:**	03/17/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	03/17/20

VES Effluent

0C16026-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**92**	ug/L	20	**22.49**	ppmv	4.89

Surrogates	**%REC**	**%REC Limits**
a,a,a-Trifluorotoluene	98.3 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333415
Project No:	04-NDLA-013	**Date Received:**	03/16/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/31/20
Matrix:	Vapor	**Sampled:**	03/16/20
Dilution:	1	**Prepared:**	03/17/20
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	03/17/20

VES Influent

0C16026-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	<20	ug/L	20	<5.69	ppmv	5.69

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:**	A5333415
Project No:	04-NDLA-013	**Date Received:**	03/16/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/31/20
Matrix:	Vapor	**Sampled:**	03/16/20
Dilution:	1	**Prepared:**	03/17/20
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	03/17/20

VES Effluent

0C16026-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	**20**	ug/L	20	**5.69**	ppmv	5.69

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

AA Project No: A5333415
Date Received: 03/16/20
Date Reported: 03/31/20

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 B0C1723 - *** DEFAULT PREP ****										
Blank (B0C1723-BLK1)				Prepared & Analyzed: 03/17/20						
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	*49.3*		*ug/L*	*50*		*98.5*	*70-140*			
Surrogate: Dibromofluoromethane	*48.2*		*ug/L*	*50*		*96.3*	*70-140*			
Surrogate: Toluene-d8	*47.4*		*ug/L*	*50*		*94.7*	*70-140*			
LCS (B0C1723-BS1)				Prepared & Analyzed: 03/17/20						
Benzene	**19.3**	0.50	ug/L	20		96.6	75-125			
Ethylbenzene	**20.6**	0.50	ug/L	20		103	75-125			
Methyl-tert-Butyl Ether (MTBE)	**32.0**	2.0	ug/L	40		79.9	75-125			
Toluene	**19.4**	0.50	ug/L	20		97.0	75-125			
o-Xylene	**20.4**	0.50	ug/L	20		102	75-125			
m,p-Xylenes	**40.8**	1.0	ug/L	40		102	75-125			
Surrogate: 4-Bromofluorobenzene	*47.5*		*ug/L*	*50*		*95.1*	*70-140*			
Surrogate: Dibromofluoromethane	*47.7*		*ug/L*	*50*		*95.3*	*70-140*			
Surrogate: Toluene-d8	*47.8*		*ug/L*	*50*		*95.5*	*70-140*			
LCS Dup (B0C1723-BSD1)				Prepared & Analyzed: 03/17/20						
Benzene	**21.5**	0.50	ug/L	20		107	75-125	10.6	30	
Ethylbenzene	**22.2**	0.50	ug/L	20		111	75-125	7.66	30	
Methyl-tert-Butyl Ether (MTBE)	**36.5**	2.0	ug/L	40		91.2	75-125	13.2	30	
Toluene	**20.8**	0.50	ug/L	20		104	75-125	6.77	30	
o-Xylene	**22.2**	0.50	ug/L	20		111	75-125	8.26	30	
m,p-Xylenes	**44.4**	1.0	ug/L	40		111	75-125	8.33	30	
Surrogate: 4-Bromofluorobenzene	*47.8*		*ug/L*	*50*		*95.5*	*70-140*			
Surrogate: Dibromofluoromethane	*48.7*		*ug/L*	*50*		*97.4*	*70-140*			
Surrogate: Toluene-d8	*46.9*		*ug/L*	*50*		*93.8*	*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: A5333415
Date Received: 03/16/20
Date Reported: 03/31/20

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 B0C1724 - *** DEFAULT PREP ****										
Blank (B0C1724-BLK1)				Prepared & Analyzed: 03/17/20						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*50.8*		*ug/L*	*50*		*102*	*70-130*			
LCS (B0C1724-BS1)				Prepared & Analyzed: 03/17/20						
Gasoline Range Organics (GRO)	**487**	20	ug/L	500		97.4	75-125			
Surrogate: a,a,a-Trifluorotoluene	*57.9*		*ug/L*	*50*		*116*	*70-130*			
LCS Dup (B0C1724-BSD1)				Prepared & Analyzed: 03/17/20						
Gasoline Range Organics (GRO)	**501**	20	ug/L	500		100	75-125	2.81	30	
Surrogate: a,a,a-Trifluorotoluene	*58.9*		*ug/L*	*50*		*118*	*70-130*			
Duplicate (B0C1724-DUP1)			**Source: 0C16018-01**	Prepared & Analyzed: 03/17/20						
Gasoline Range Organics (GRO)	**1870**	20	ug/L		2130			12.7	30	
Surrogate: a,a,a-Trifluorotoluene	*52.2*		*ug/L*	*50*		*104*	*70-130*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333415
Project No:	04-NDLA-013	**Date Received:**	03/16/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/31/20

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

20121

Page 1 of 1

Client: APEX/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 Influent	OC16026-1	3-16-20	1127	Air	1	✓	✓	✓								
VES Effluent	-2	"	1123	Air	1	✓	✓	✓								

PRIORITY Rush Hrs Date 3/16 Time 1616 sign

'20 MAR 16 3:21 PM

AS333415 / OC16026

Relinquished by	Date	Time	Received by
Glenn Androsko	3-20 3-16-20	13:30	[signature]
[signature]	3/16/2020	15:21	[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

April 03, 2020

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5333442 / 0D01012

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 04/01/20 15:26 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5333442
Date Received: 04/01/20
Date Reported: 04/03/20

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
GRO in Vapor as Hexane					
VES Influent	0D01012-01	Vapor	5	04/01/20 10:30	04/01/20 15:26
VES Effluent	0D01012-02	Vapor	2	04/01/20 10:28	04/01/20 15:26
VOCs BTEX/MTBE Vapor GC/MS					
VES Influent	0D01012-01	Vapor	5	04/01/20 10:30	04/01/20 15:26
VES Effluent	0D01012-02	Vapor	2	04/01/20 10:28	04/01/20 15:26
VOCs Gasoline Range Organics Vapor					
VES Influent	0D01012-01	Vapor	5	04/01/20 10:30	04/01/20 15:26
VES Effluent	0D01012-02	Vapor	2	04/01/20 10:28	04/01/20 15:26

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333442
Project No:	04-NDLA-013	**Date Received:**	04/01/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	04/03/20
Matrix:	Vapor	**Sampled:**	04/01/20
Dilution:	1	**Prepared:**	04/01/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	04/01/20

VES Influent

0D01012-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.50	ug/L	0.5	<0.16	ppmv	0.16
Ethylbenzene	<0.50	ug/L	0.5	<0.12	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<2.0	ug/L	2	<0.55	ppmv	0.55
Toluene	<0.50	ug/L	0.5	<0.13	ppmv	0.13
o-Xylene	<0.50	ug/L	0.5	<0.12	ppmv	0.12
m,p-Xylenes	<1.0	ug/L	1	<0.23	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	97.6 %	70-140
Dibromofluoromethane	91.0 %	70-140
Toluene-d8	95.7 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333442
Project No:	04-NDLA-013	**Date Received:**	04/01/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	04/03/20
Matrix:	Vapor	**Sampled:**	04/01/20
Dilution:	0.5	**Prepared:**	04/01/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	04/01/20

VES Effluent

0D01012-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.25	ug/L	0.5	<0.08	ppmv	0.16
Ethylbenzene	<0.25	ug/L	0.5	<0.06	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<1.0	ug/L	2	<0.28	ppmv	0.55
Toluene	<0.25	ug/L	0.5	<0.07	ppmv	0.13
o-Xylene	<0.25	ug/L	0.5	<0.06	ppmv	0.12
m,p-Xylenes	<0.50	ug/L	1	<0.12	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	101 %	70-140
Dibromofluoromethane	91.1 %	70-140
Toluene-d8	96.1 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333442
Project No:	04-NDLA-013	**Date Received:**	04/01/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	04/03/20
Matrix:	Vapor	**Sampled:**	04/01/20
Dilution:	1	**Prepared:**	04/02/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	04/02/20

VES Influent

0D01012-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**34**	ug/L	20	**8.31**	ppmv	4.89

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:**	A5333442
Project No:	04-NDLA-013	**Date Received:**	04/01/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	04/03/20
Matrix:	Vapor	**Sampled:**	04/01/20
Dilution:	1	**Prepared:**	04/02/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	04/02/20

VES Effluent

0D01012-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	<20	ug/L	20	<4.89	ppmv	4.89

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333442
Project No:	04-NDLA-013	**Date Received:**	04/01/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	04/03/20
Method:	GRO in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	04/01/20	04/01/20	
Date Prepared:	04/02/20	04/02/20	
Date Analyzed:	04/02/20	04/02/20	
AA ID No:	0D01012-01	0D01012-02	
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	**7.5**	<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: A5333442
Date Received: 04/01/20
Date Reported: 04/03/20

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 B0D0118 - *** DEFAULT PREP ****										
Blank (B0D0118-BLK1)				Prepared & Analyzed: 04/01/20						
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	*47.6*		*ug/L*	*50*		*95.3*	*70-140*			
Surrogate: Dibromofluoromethane	*46.1*		*ug/L*	*50*		*92.1*	*70-140*			
Surrogate: Toluene-d8	*46.7*		*ug/L*	*50*		*93.4*	*70-140*			
LCS (B0D0118-BS1)				Prepared & Analyzed: 04/01/20						
Benzene	**23.1**	0.50	ug/L	20		116	75-125			
Ethylbenzene	**23.8**	0.50	ug/L	20		119	75-125			
Methyl-tert-Butyl Ether (MTBE)	**38.3**	2.0	ug/L	40		95.8	75-125			
Toluene	**22.4**	0.50	ug/L	20		112	75-125			
o-Xylene	**22.1**	0.50	ug/L	20		110	75-125			
m,p-Xylenes	**45.9**	1.0	ug/L	40		115	75-125			
Surrogate: 4-Bromofluorobenzene	*48.3*		*ug/L*	*50*		*96.6*	*70-140*			
Surrogate: Dibromofluoromethane	*45.6*		*ug/L*	*50*		*91.2*	*70-140*			
Surrogate: Toluene-d8	*49.2*		*ug/L*	*50*		*98.4*	*70-140*			
LCS Dup (B0D0118-BSD1)				Prepared & Analyzed: 04/01/20						
Benzene	**23.2**	0.50	ug/L	20		116	75-125	0.216	30	
Ethylbenzene	**22.9**	0.50	ug/L	20		114	75-125	4.11	30	
Methyl-tert-Butyl Ether (MTBE)	**45.7**	2.0	ug/L	40		114	75-125	17.7	30	
Toluene	**21.5**	0.50	ug/L	20		108	75-125	3.87	30	
o-Xylene	**21.9**	0.50	ug/L	20		109	75-125	0.910	30	
m,p-Xylenes	**44.8**	1.0	ug/L	40		112	75-125	2.36	30	
Surrogate: 4-Bromofluorobenzene	*47.2*		*ug/L*	*50*		*94.3*	*70-140*			
Surrogate: Dibromofluoromethane	*42.5*		*ug/L*	*50*		*85.0*	*70-140*			
Surrogate: Toluene-d8	*47.1*		*ug/L*	*50*		*94.3*	*70-140*			
Duplicate (B0D0118-DUP1)				**Source: 0D01012-01** Prepared & Analyzed: 04/01/20						

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: A5333442
Date Received: 04/01/20
Date Reported: 04/03/20

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 B0D0118 - *** DEFAULT PREP ****										
Duplicate (B0D0118-DUP1) Continued			**Source: 0D01012-01**	Prepared & Analyzed: 04/01/20						
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	*49.0*		*ug/L*	*50*		*98.0*	*70-140*			
Surrogate: Dibromofluoromethane	*45.5*		*ug/L*	*50*		*91.0*	*70-140*			
Surrogate: Toluene-d8	*47.6*		*ug/L*	*50*		*95.1*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B0D0220 - *** DEFAULT PREP ****										
Blank (B0D0220-BLK1)				Prepared & Analyzed: 04/02/20						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*51.9*		*ug/L*	*50*		*104*	*70-130*			
LCS (B0D0220-BS1)				Prepared & Analyzed: 04/02/20						
Gasoline Range Organics (GRO)	**472**	20	ug/L	500		94.4	75-125			
Surrogate: a,a,a-Trifluorotoluene	*58.2*		*ug/L*	*50*		*116*	*70-130*			
LCS Dup (B0D0220-BSD1)				Prepared & Analyzed: 04/02/20						
Gasoline Range Organics (GRO)	**431**	20	ug/L	500		86.2	75-125	9.04	30	
Surrogate: a,a,a-Trifluorotoluene	*52.5*		*ug/L*	*50*		*105*	*70-130*			
Duplicate (B0D0220-DUP1)			**Source: 0D01012-01**	Prepared & Analyzed: 04/02/20						
Gasoline Range Organics (GRO)	**27.0**	20	ug/L		34.5			24.3	30	
Surrogate: a,a,a-Trifluorotoluene	*50.9*		*ug/L*	*50*		*102*	*70-130*			
GRO in Vapor as Hexane - Quality Control										
*Batch B0D0220 - *** DEFAULT PREP ****										
Blank (B0D0220-BLK1)				Prepared & Analyzed: 04/02/20						
GRO as Hexane	<5.7	5.7	ppmv							
Duplicate (B0D0220-DUP1)			**Source: 0D01012-01**	Prepared & Analyzed: 04/02/20						

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: A5333442
Date Received: 04/01/20
Date Reported: 04/03/20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
GRO in Vapor as Hexane - Quality Control										
*Batch B0D0220 - *** DEFAULT PREP ****										
Duplicate (B0D0220-DUP1) Continued	**Source: 0D01012-01**		Prepared & Analyzed: 04/02/20							
GRO as Hexane	**5.92**	5.7	ppmv		7.51			23.7	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333442
Project No:	04-NDLA-013	**Date Received:**	04/01/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	04/03/20

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

20215

Client: APEX/The Source Group, Inc.	**Project Name / No.:** DFSP - Norwalk / 091-NDLA -026	**Sampler's Name:** Glenn Androsko	
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	0b01012 -01	4-1-20	1030	Air	1	✓	✓	✓	Standard.
VES Effluent	-02	"	1028	Air	1	✓	✓	✓	48Hr Rush

PRIORITY 48 Hrs Rush Date 4/1/20 Time 1630 Sign [signature] SH

'20 APR 1 …20

AC333442/0b01012

Relinquished by	Date	Time	Received by
[signature]	4-1-20	11:45	[signature]
[signature]	4.1.2020	15:26	[signature]

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

AMERICAN ANALYTICS

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

January 21, 2020

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5333310 / 0A15017

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 01/15/20 15:01 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: A5333310
Date Received: 01/15/20
Date Reported: 01/21/20

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
GRO in Vapor as Hexane					
Thermox Influent	0A15017-01	Vapor	5	01/15/20 09:02	01/15/20 15:01
Thermox Effluent	0A15017-02	Vapor	5	01/15/20 08:57	01/15/20 15:01
VOCs BTEX/MTBE Vapor GC/MS					
Thermox Influent	0A15017-01	Vapor	5	01/15/20 09:02	01/15/20 15:01
Thermox Effluent	0A15017-02	Vapor	5	01/15/20 08:57	01/15/20 15:01
VOCs Gasoline Range Organics Vapor					
Thermox Influent	0A15017-01	Vapor	5	01/15/20 09:02	01/15/20 15:01
Thermox Effluent	0A15017-02	Vapor	5	01/15/20 08:57	01/15/20 15:01

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333310
Project No:	04-NDLA-013	**Date Received:**	01/15/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/21/20
Matrix:	Vapor	**Sampled:**	01/15/20
Dilution:	2	**Prepared:**	01/16/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	01/16/20

Thermox Influent

0A15017-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**7.1**	ug/L	0.50	**2.2**	ppmv	0.16
Ethylbenzene	**3.0**	ug/L	0.50	**0.69**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<4.0	ug/L	2.0	<1.1	ppmv	0.55
Toluene	**3.5**	ug/L	0.50	**0.93**	ppmv	0.13
o-Xylene	**2.7**	ug/L	0.50	**0.62**	ppmv	0.12
m,p-Xylenes	**7.4**	ug/L	1.0	**1.7**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	87.3 %	70-140
Dibromofluoromethane	92.7 %	70-140
Toluene-d8	95.3 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333310
Project No:	04-NDLA-013	**Date Received:**	01/15/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/21/20
Matrix:	Vapor	**Sampled:**	01/15/20
Dilution:	0.5	**Prepared:**	01/16/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	01/16/20

Thermox Effluent

0A15017-02 (Vapor)

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

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	90.5 %	70-140
Dibromofluoromethane	95.1 %	70-140
Toluene-d8	93.1 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333310
Project No:	04-NDLA-013	**Date Received:**	01/15/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/21/20
Matrix:	Vapor	**Sampled:**	01/15/20
Dilution:	10	**Prepared:**	01/16/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	01/16/20

Thermox Influent

0A15017-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**10000**	ug/L	20	**2400**	ppmv	4.9

Surrogates	**%REC**	**%REC Limits**
a,a,a-Trifluorotoluene	117 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333310
Project No:	04-NDLA-013	**Date Received:**	01/15/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/21/20
Matrix:	Vapor	**Sampled:**	01/15/20
Dilution:	1	**Prepared:**	01/16/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	01/16/20

Thermox Effluent

0A15017-02 (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	102 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333310
Project No:	04-NDLA-013	**Date Received:**	01/15/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/21/20
Method:	GRO in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	01/15/20	01/15/20	
Date Prepared:	01/16/20	01/16/20	
Date Analyzed:	01/16/20	01/16/20	
AA ID No:	0A15017-01	0A15017-02	
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	**2300**	<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: A5333310
Date Received: 01/15/20
Date Reported: 01/21/20

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 B0A1602 - *** DEFAULT PREP ****										
Blank (B0A1602-BLK1)				Prepared & Analyzed: 01/16/20						
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	*46.0*		*ug/L*	*50*		*92.0*	*70-140*			
Surrogate: Dibromofluoromethane	*48.1*		*ug/L*	*50*		*96.1*	*70-140*			
Surrogate: Toluene-d8	*46.7*		*ug/L*	*50*		*93.3*	*70-140*			
LCS (B0A1602-BS1)				Prepared & Analyzed: 01/16/20						
Benzene	**17.8**	0.50	ug/L	20		89.0	75-125			
Ethylbenzene	**20.6**	0.50	ug/L	20		103	75-125			
Methyl-tert-Butyl Ether (MTBE)	**33.9**	2.0	ug/L	40		84.7	75-125			
Toluene	**20.1**	0.50	ug/L	20		100	75-125			
o-Xylene	**20.6**	0.50	ug/L	20		103	75-125			
m,p-Xylenes	**40.1**	1.0	ug/L	40		100	75-125			
Surrogate: 4-Bromofluorobenzene	*46.0*		*ug/L*	*50*		*91.9*	*70-140*			
Surrogate: Dibromofluoromethane	*41.6*		*ug/L*	*50*		*83.1*	*70-140*			
Surrogate: Toluene-d8	*46.8*		*ug/L*	*50*		*93.6*	*70-140*			
LCS Dup (B0A1602-BSD1)				Prepared & Analyzed: 01/16/20						
Benzene	**18.0**	0.50	ug/L	20		89.8	75-125	0.951	30	
Ethylbenzene	**20.5**	0.50	ug/L	20		103	75-125	0.243	30	
Methyl-tert-Butyl Ether (MTBE)	**37.8**	2.0	ug/L	40		94.4	75-125	10.9	30	
Toluene	**20.7**	0.50	ug/L	20		103	75-125	2.95	30	
o-Xylene	**20.7**	0.50	ug/L	20		104	75-125	0.775	30	
m,p-Xylenes	**40.6**	1.0	ug/L	40		101	75-125	1.24	30	
Surrogate: 4-Bromofluorobenzene	*45.5*		*ug/L*	*50*		*91.0*	*70-140*			
Surrogate: Dibromofluoromethane	*42.9*		*ug/L*	*50*		*85.9*	*70-140*			
Surrogate: Toluene-d8	*46.8*		*ug/L*	*50*		*93.6*	*70-140*			
Duplicate (B0A1602-DUP1)				**Source: 0A15015-01** Prepared & Analyzed: 01/16/20						

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: A5333310
Date Received: 01/15/20
Date Reported: 01/21/20

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 B0A1602 - *** DEFAULT PREP ****										
Duplicate (B0A1602-DUP1) Continued			**Source: 0A15015-01**	Prepared & Analyzed: 01/16/20						
Benzene	**1.37**	0.50	ug/L		1.26			8.37	30	
Ethylbenzene	**4.10**	0.50	ug/L		3.79			7.86	30	
Methyl-tert-Butyl Ether (MTBE)	**<2.0**	2.0	ug/L						30	
Toluene	**14.3**	0.50	ug/L		13.4			6.42	30	
o-Xylene	**3.01**	0.50	ug/L		2.77			8.30	30	
m,p-Xylenes	**11.6**	1.0	ug/L		10.8			6.61	30	
Surrogate: 4-Bromofluorobenzene	*44.3*		*ug/L*	*50*		*88.5*	*70-140*			
Surrogate: Dibromofluoromethane	*45.5*		*ug/L*	*50*		*90.9*	*70-140*			
Surrogate: Toluene-d8	*47.1*		*ug/L*	*50*		*94.1*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B0A1606 - *** DEFAULT PREP ****										
Blank (B0A1606-BLK1)				Prepared & Analyzed: 01/16/20						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*52.6*		*ug/L*	*50*		*105*	*70-130*			
LCS (B0A1606-BS1)				Prepared & Analyzed: 01/16/20						
Gasoline Range Organics (GRO)	**503**	20	ug/L	500		101	75-125			
Surrogate: a,a,a-Trifluorotoluene	*58.9*		*ug/L*	*50*		*118*	*70-130*			
LCS Dup (B0A1606-BSD1)				Prepared & Analyzed: 01/16/20						
Gasoline Range Organics (GRO)	**508**	20	ug/L	500		102	75-125	1.03	30	
Surrogate: a,a,a-Trifluorotoluene	*59.5*		*ug/L*	*50*		*119*	*70-130*			
Duplicate (B0A1606-DUP1)			**Source: 0A15017-01**	Prepared & Analyzed: 01/16/20						
Gasoline Range Organics (GRO)	**11000**	200	ug/L		10300			6.86	30	
Surrogate: a,a,a-Trifluorotoluene	*58.2*		*ug/L*	*50*		*116*	*70-130*			
GRO in Vapor as Hexane - Quality Control										
*Batch B0A1606 - *** DEFAULT PREP ****										
Blank (B0A1606-BLK1)				Prepared & Analyzed: 01/16/20						
GRO as Hexane	<5.7	5.7	ppmv							
Duplicate (B0A1606-DUP1)			**Source: 0A15017-01**	Prepared & Analyzed: 01/16/20						

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: A5333310
Date Received: 01/15/20
Date Reported: 01/21/20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
GRO in Vapor as Hexane - Quality Control										
*Batch B0A1606 - *** DEFAULT PREP ****										
Duplicate (B0A1606-DUP1) Continued			**Source: 0A15017-01**	Prepared & Analyzed: 01/16/20						
GRO as Hexane	**2410**	57	ppmv		2250			6.77	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333310
Project No:	04-NDLA-013	**Date Received:**	01/15/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/21/20

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

L9697

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)

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	Total VOCs Gas 8015	Total VOCs Hexane 8015	BTEX/MTBE 8260B	Special Instructions
						Please enter the TAT Turnaround Codes ** below			
Thermox Influent	OA15097-01	1-15-20	0902	Air	1	✓	✓	✓	VOC's reported as
Thermox Effluent	-02	"	0859	Air	1	✓	✓	✓	TPH and Hexane
									Detection limit of 75
									ppm for Hexane
									and 0.15 ppm for
									Benzene

PRIORITY ✓ SH
Rush Date 1/15/20 Time 1600 Sign

'20 JAN 15

Relinquished by	Date	Time	Received by
Glenn Androsko	1-15-20	13:10	
Relinquished by	Date	Time	Received by
	1-15-20	15:01	
Relinquished by	Date	Time	Received by

A533321U/OA15097

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

February 25, 2020

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5333350 / 0B18004

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 02/18/20 16:12 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: A5333350
Date Received: 02/18/20
Date Reported: 02/25/20

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
GRO in Vapor as Hexane					
Thermox Influent	0B18004-01	Vapor	5	02/18/20 10:32	02/18/20 16:12
Thermox Effluent	0B18004-02	Vapor	5	02/18/20 10:22	02/18/20 16:12
VOCs BTEX/MTBE Vapor GC/MS					
Thermox Influent	0B18004-01	Vapor	5	02/18/20 10:32	02/18/20 16:12
Thermox Effluent	0B18004-02	Vapor	5	02/18/20 10:22	02/18/20 16:12
VOCs Gasoline Range Organics Vapor					
Thermox Influent	0B18004-01	Vapor	5	02/18/20 10:32	02/18/20 16:12
Thermox Effluent	0B18004-02	Vapor	5	02/18/20 10:22	02/18/20 16:12

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333350
Project No:	04-NDLA-013	**Date Received:**	02/18/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/25/20
Matrix:	Vapor	**Sampled:**	02/18/20
Dilution:	1	**Prepared:**	02/19/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	02/19/20

Thermox Influent

0B18004-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**6.8**	ug/L	0.50	**2.1**	ppmv	0.16
Ethylbenzene	**2.4**	ug/L	0.50	**0.55**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<2.0	ug/L	2.0	<0.55	ppmv	0.55
Toluene	**3.0**	ug/L	0.50	**0.80**	ppmv	0.13
o-Xylene	**2.4**	ug/L	0.50	**0.55**	ppmv	0.12
m,p-Xylenes	**6.2**	ug/L	1.0	**1.4**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	92.8 %	70-140
Dibromofluoromethane	99.5 %	70-140
Toluene-d8	94.8 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333350
Project No:	04-NDLA-013	**Date Received:**	02/18/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/25/20
Matrix:	Vapor	**Sampled:**	02/18/20
Dilution:	0.5	**Prepared:**	02/19/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	02/19/20

Thermox Effluent

0B18004-02 (Vapor)

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

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	101 %	70-140
Dibromofluoromethane	109 %	70-140
Toluene-d8	100 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333350
Project No:	04-NDLA-013	**Date Received:**	02/18/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/25/20
Matrix:	Vapor	**Sampled:**	02/18/20
Dilution:	10	**Prepared:**	02/19/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	02/19/20

Thermox Influent

0B18004-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**7800**	ug/L	20	**1900**	ppmv	4.9

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333350
Project No:	04-NDLA-013	**Date Received:**	02/18/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/25/20
Matrix:	Vapor	**Sampled:**	02/18/20
Dilution:	1	**Prepared:**	02/19/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	02/19/20

Thermox Effluent

0B18004-02 (Vapor)

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

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	98.8 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333350
Project No:	04-NDLA-013	**Date Received:**	02/18/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/25/20
Method:	GRO in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	02/18/20	02/18/20	
Date Prepared:	02/19/20	02/19/20	
Date Analyzed:	02/19/20	02/19/20	
AA ID No:	0B18004-01	0B18004-02	
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	**1700**	<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: A5333350
Date Received: 02/18/20
Date Reported: 02/25/20

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 B0B1915 - *** DEFAULT PREP ****										
Blank (B0B1915-BLK1)				Prepared & Analyzed: 02/19/20						
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	*49.6*		*ug/L*	*50*		*99.3*	*70-140*			
Surrogate: Dibromofluoromethane	*55.0*		*ug/L*	*50*		*110*	*70-140*			
Surrogate: Toluene-d8	*50.4*		*ug/L*	*50*		*101*	*70-140*			
LCS (B0B1915-BS1)				Prepared & Analyzed: 02/19/20						
Benzene	**22.9**	0.50	ug/L	20		114	75-125			
Ethylbenzene	**22.2**	0.50	ug/L	20		111	75-125			
Methyl-tert-Butyl Ether (MTBE)	**42.9**	2.0	ug/L	40		107	75-125			
Toluene	**20.8**	0.50	ug/L	20		104	75-125			
o-Xylene	**21.0**	0.50	ug/L	20		105	75-125			
m,p-Xylenes	**42.5**	1.0	ug/L	40		106	75-125			
Surrogate: 4-Bromofluorobenzene	*50.3*		*ug/L*	*50*		*101*	*70-140*			
Surrogate: Dibromofluoromethane	*48.5*		*ug/L*	*50*		*97.1*	*70-140*			
Surrogate: Toluene-d8	*51.1*		*ug/L*	*50*		*102*	*70-140*			
LCS Dup (B0B1915-BSD1)				Prepared & Analyzed: 02/19/20						
Benzene	**21.4**	0.50	ug/L	20		107	75-125	6.82	30	
Ethylbenzene	**21.8**	0.50	ug/L	20		109	75-125	1.82	30	
Methyl-tert-Butyl Ether (MTBE)	**41.1**	2.0	ug/L	40		103	75-125	4.17	30	
Toluene	**20.4**	0.50	ug/L	20		102	75-125	2.18	30	
o-Xylene	**20.9**	0.50	ug/L	20		105	75-125	0.524	30	
m,p-Xylenes	**42.3**	1.0	ug/L	40		106	75-125	0.472	30	
Surrogate: 4-Bromofluorobenzene	*48.6*		*ug/L*	*50*		*97.2*	*70-140*			
Surrogate: Dibromofluoromethane	*49.0*		*ug/L*	*50*		*98.0*	*70-140*			
Surrogate: Toluene-d8	*49.9*		*ug/L*	*50*		*99.9*	*70-140*			
Duplicate (B0B1915-DUP1)				**Source: 0B18004-02** Prepared & Analyzed: 02/19/20						

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: A5333350
Date Received: 02/18/20
Date Reported: 02/25/20

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 B0B1915 - *** DEFAULT PREP ****										
Duplicate (B0B1915-DUP1) Continued			**Source: 0B18004-02**	Prepared & Analyzed: 02/19/20						
Benzene	**<0.25**	0.25	ug/L		<0.25				30	
Ethylbenzene	**<0.25**	0.25	ug/L		<0.25				30	
Methyl-tert-Butyl Ether (MTBE)	**<1.0**	1.0	ug/L		<1.0				30	
Toluene	**<0.25**	0.25	ug/L		<0.25				30	
o-Xylene	**<0.25**	0.25	ug/L		<0.25				30	
m,p-Xylenes	**<0.50**	0.50	ug/L		<0.50				30	
Surrogate: 4-Bromofluorobenzene	*50.3*		*ug/L*	*50*		*101*	*70-140*			
Surrogate: Dibromofluoromethane	*53.4*		*ug/L*	*50*		*107*	*70-140*			
Surrogate: Toluene-d8	*50.0*		*ug/L*	*50*		*100*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B0B1917 - *** DEFAULT PREP ****										
Blank (B0B1917-BLK1)				Prepared & Analyzed: 02/19/20						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*49.2*		*ug/L*	*50*		*98.5*	*70-130*			
LCS (B0B1917-BS1)				Prepared & Analyzed: 02/19/20						
Gasoline Range Organics (GRO)	**500**	20	ug/L	500		99.9	75-125			
Surrogate: a,a,a-Trifluorotoluene	*56.2*		*ug/L*	*50*		*112*	*70-130*			
LCS Dup (B0B1917-BSD1)				Prepared & Analyzed: 02/19/20						
Gasoline Range Organics (GRO)	**492**	20	ug/L	500		98.3	75-125	1.58	30	
Surrogate: a,a,a-Trifluorotoluene	*54.2*		*ug/L*	*50*		*108*	*70-130*			
Duplicate (B0B1917-DUP1)			**Source: 0B18006-02**	Prepared & Analyzed: 02/19/20						
Gasoline Range Organics (GRO)	**<20**	20	ug/L						30	
Surrogate: a,a,a-Trifluorotoluene	*47.7*		*ug/L*	*50*		*95.4*	*70-130*			
GRO in Vapor as Hexane - Quality Control										
*Batch B0B1917 - *** DEFAULT PREP ****										
Blank (B0B1917-BLK1)				Prepared & Analyzed: 02/19/20						
GRO as Hexane	<5.7	5.7	ppmv							
Duplicate (B0B1917-DUP1)			**Source: 0B18006-02**	Prepared & Analyzed: 02/19/20						

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: A5333350
Date Received: 02/18/20
Date Reported: 02/25/20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
GRO in Vapor as Hexane - Quality Control										
*Batch B0B1917 - *** DEFAULT PREP ****										
Duplicate (B0B1917-DUP1) Continued	**Source: 0B18006-02**		Prepared & Analyzed: 02/19/20							
GRO as Hexane	**<5.7**	5.7	ppmv						30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333350
Project No:	04-NDLA-013	**Date Received:**	02/18/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/25/20

Special Notes

Viorel Vasile
Operations Manager

19922

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:**	Glenn Andrasko
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
Thermox Influent	0B18004-01	2-18-20	1032	Air	1	✓	✓	✓	VOC's reported as TPH and Hexane Detection limit of 75 ppm for Hexane and 0.15 ppm for Benzene
Thermox Effluent	-02	"	1022	Air	1	✓	✓	✓	

PRIORITY ✓ Rush ___ Hrs ___ SH ___ Date 2/ ___ Time ___ Sign ___

20FEB18 4:12PM

A5333350 / 0B18004

Relinquished by	Date	Time	Received by
[signature]	2-18-20	12:00	[signature]
[signature]	2-18-20	16:12	[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.

A5333350 / 0B18004

AMERICAN ANALYTICS

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

March 31, 2020

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5333414 / 0C16025

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 03/16/20 15:21 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: A5333414
Date Received: 03/16/20
Date Reported: 03/31/20

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
Thermox Influent	0C16025-01	Vapor	5	03/16/20 11:11	03/16/20 15:21
Thermox Effluent	0C16025-02	Vapor	5	03/16/20 10:20	03/16/20 15:21
VOCs Gasoline Range Organics Vapor					
Thermox Influent	0C16025-01	Vapor	5	03/16/20 11:11	03/16/20 15:21
Thermox Effluent	0C16025-02	Vapor	5	03/16/20 10:20	03/16/20 15:21
VOCs GRO Vapor as Hexane					
Thermox Influent	0C16025-01	Vapor	5	03/16/20 11:11	03/16/20 15:21
Thermox Effluent	0C16025-02	Vapor	5	03/16/20 10:20	03/16/20 15:21

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333414
Project No:	04-NDLA-013	**Date Received:**	03/16/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/31/20
Matrix:	Vapor	**Sampled:**	03/16/20
Dilution:	1	**Prepared:**	03/17/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	03/17/20

Thermox Influent

0C16025-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**6.2**	ug/L	0.5	**1.94**	ppmv	0.16
Ethylbenzene	**1.8**	ug/L	0.5	**0.41**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<2.0	ug/L	2	<0.55	ppmv	0.55
Toluene	**2.8**	ug/L	0.5	**0.74**	ppmv	0.13
o-Xylene	**2.1**	ug/L	0.5	**0.48**	ppmv	0.12
m,p-Xylenes	**5.3**	ug/L	1	**1.22**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	96.1 %	70-140
Dibromofluoromethane	94.8 %	70-140
Toluene-d8	96.1 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333414
Project No:	04-NDLA-013	**Date Received:**	03/16/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/31/20
Matrix:	Vapor	**Sampled:**	03/16/20
Dilution:	1	**Prepared:**	03/17/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	03/17/20

Thermox Effluent

0C16025-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.50	ug/L	0.5	<0.16	ppmv	0.16
Ethylbenzene	<0.50	ug/L	0.5	<0.12	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<2.0	ug/L	2	<0.55	ppmv	0.55
Toluene	<0.50	ug/L	0.5	<0.13	ppmv	0.13
o-Xylene	<0.50	ug/L	0.5	<0.12	ppmv	0.12
m,p-Xylenes	<1.0	ug/L	1	<0.23	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	96.4 %	70-140
Dibromofluoromethane	96.1 %	70-140
Toluene-d8	93.7 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333414
Project No:	04-NDLA-013	**Date Received:**	03/16/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/31/20
Matrix:	Vapor	**Sampled:**	03/16/20
Dilution:	10	**Prepared:**	03/17/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	03/17/20

Thermox Influent

0C16025-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**4900**	ug/L	20	**1,198.05**	ppmv	4.89

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333414
Project No:	04-NDLA-013	**Date Received:**	03/16/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/31/20
Matrix:	Vapor	**Sampled:**	03/16/20
Dilution:	1	**Prepared:**	03/17/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	03/17/20

Thermox Effluent

0C16025-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	<20	ug/L	20	<4.89	ppmv	4.89

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333414
Project No:	04-NDLA-013	**Date Received:**	03/16/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/31/20
Matrix:	Vapor	**Sampled:**	03/16/20
Dilution:	10	**Prepared:**	03/17/20
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	03/17/20

Thermox Influent

0C16025-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	**1100**	ug/L	20	**312.73**	ppmv	5.69

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	116 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333414
Project No:	04-NDLA-013	**Date Received:**	03/16/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/31/20
Matrix:	Vapor	**Sampled:**	03/16/20
Dilution:	1	**Prepared:**	03/17/20
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	03/17/20

Thermox Effluent

0C16025-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	<20	ug/L	20	<5.69	ppmv	5.69

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

AA Project No: A5333414
Date Received: 03/16/20
Date Reported: 03/31/20

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 B0C1723 - *** DEFAULT PREP ****										
Blank (B0C1723-BLK1)				Prepared & Analyzed: 03/17/20						
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	*49.3*		*ug/L*	*50*		*98.5*	*70-140*			
Surrogate: Dibromofluoromethane	*48.2*		*ug/L*	*50*		*96.3*	*70-140*			
Surrogate: Toluene-d8	*47.4*		*ug/L*	*50*		*94.7*	*70-140*			
LCS (B0C1723-BS1)				Prepared & Analyzed: 03/17/20						
Benzene	**19.3**	0.50	ug/L	20		96.6	75-125			
Ethylbenzene	**20.6**	0.50	ug/L	20		103	75-125			
Methyl-tert-Butyl Ether (MTBE)	**32.0**	2.0	ug/L	40		79.9	75-125			
Toluene	**19.4**	0.50	ug/L	20		97.0	75-125			
o-Xylene	**20.4**	0.50	ug/L	20		102	75-125			
m,p-Xylenes	**40.8**	1.0	ug/L	40		102	75-125			
Surrogate: 4-Bromofluorobenzene	*47.5*		*ug/L*	*50*		*95.1*	*70-140*			
Surrogate: Dibromofluoromethane	*47.7*		*ug/L*	*50*		*95.3*	*70-140*			
Surrogate: Toluene-d8	*47.8*		*ug/L*	*50*		*95.5*	*70-140*			
LCS Dup (B0C1723-BSD1)				Prepared & Analyzed: 03/17/20						
Benzene	**21.5**	0.50	ug/L	20		107	75-125	10.6	30	
Ethylbenzene	**22.2**	0.50	ug/L	20		111	75-125	7.66	30	
Methyl-tert-Butyl Ether (MTBE)	**36.5**	2.0	ug/L	40		91.2	75-125	13.2	30	
Toluene	**20.8**	0.50	ug/L	20		104	75-125	6.77	30	
o-Xylene	**22.2**	0.50	ug/L	20		111	75-125	8.26	30	
m,p-Xylenes	**44.4**	1.0	ug/L	40		111	75-125	8.33	30	
Surrogate: 4-Bromofluorobenzene	*47.8*		*ug/L*	*50*		*95.5*	*70-140*			
Surrogate: Dibromofluoromethane	*48.7*		*ug/L*	*50*		*97.4*	*70-140*			
Surrogate: Toluene-d8	*46.9*		*ug/L*	*50*		*93.8*	*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: A5333414
Date Received: 03/16/20
Date Reported: 03/31/20

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 B0C1724 - *** DEFAULT PREP ****										
Blank (B0C1724-BLK1)				Prepared & Analyzed: 03/17/20						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*50.8*		*ug/L*	*50*		*102*	*70-130*			
LCS (B0C1724-BS1)				Prepared & Analyzed: 03/17/20						
Gasoline Range Organics (GRO)	**487**	20	ug/L	500		97.4	75-125			
Surrogate: a,a,a-Trifluorotoluene	*57.9*		*ug/L*	*50*		*116*	*70-130*			
LCS Dup (B0C1724-BSD1)				Prepared & Analyzed: 03/17/20						
Gasoline Range Organics (GRO)	**501**	20	ug/L	500		100	75-125	2.81	30	
Surrogate: a,a,a-Trifluorotoluene	*58.9*		*ug/L*	*50*		*118*	*70-130*			
Duplicate (B0C1724-DUP1)			**Source: 0C16018-01**	Prepared & Analyzed: 03/17/20						
Gasoline Range Organics (GRO)	**1870**	20	ug/L		2130			12.7	30	
Surrogate: a,a,a-Trifluorotoluene	*52.2*		*ug/L*	*50*		*104*	*70-130*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333414
Project No:	04-NDLA-013	**Date Received:**	03/16/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/31/20

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

20120

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
Thermox Influent	OC16025 -1	3-16-20	1111	Air	1	✓	✓	✓								VOC's reported as
Thermox Effluent	-2	"	1020	Air	1	✓	✓	✓								TPH and Hexane
																Detection limit of 75
																ppm for Hexane
																and 0.15 ppm for
																Benzene

PRIORITY
Rush ___ Hrs SH
Date 3/16/20 Time 1400 sign ___

'20 MAR 16 3:21

A5333414/OC16025

Relinquished by	Date	Time	Received by
Glenn Androsko	3-16-20	13:00	[signature]
[signature]	3/16/2020	15:21	[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

February 26, 2020

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5333352 / 0B18006

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 02/18/20 16:12 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: A5333352
Date Received: 02/18/20
Date Reported: 02/26/20

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
GRO in Vapor as Hexane					
HW-1	0B18006-01	Vapor	5	02/18/20 11:03	02/18/20 16:12
HW-5	0B18006-02	Vapor	5	02/18/20 11:08	02/18/20 16:12
HW-7	0B18006-03	Vapor	5	02/18/20 11:12	02/18/20 16:12
HW-8	0B18006-04	Vapor	5	02/18/20 11:23	02/18/20 16:12
HW-9	0B18006-05	Vapor	5	02/18/20 11:28	02/18/20 16:12
VOCs BTEX/MTBE Vapor GC/MS					
HW-1	0B18006-01	Vapor	5	02/18/20 11:03	02/18/20 16:12
HW-5	0B18006-02	Vapor	5	02/18/20 11:08	02/18/20 16:12
HW-7	0B18006-03	Vapor	5	02/18/20 11:12	02/18/20 16:12
HW-8	0B18006-04	Vapor	5	02/18/20 11:23	02/18/20 16:12
HW-9	0B18006-05	Vapor	5	02/18/20 11:28	02/18/20 16:12
VOCs Gasoline Range Organics Vapor					
HW-1	0B18006-01	Vapor	5	02/18/20 11:03	02/18/20 16:12
HW-5	0B18006-02	Vapor	5	02/18/20 11:08	02/18/20 16:12
HW-7	0B18006-03	Vapor	5	02/18/20 11:12	02/18/20 16:12
HW-8	0B18006-04	Vapor	5	02/18/20 11:23	02/18/20 16:12
HW-9	0B18006-05	Vapor	5	02/18/20 11:28	02/18/20 16:12

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333352
Project No:	04-NDLA-013	**Date Received:**	02/18/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/26/20
Matrix:	Vapor	**Sampled:**	02/18/20
Dilution:	1	**Prepared:**	02/19/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	02/19/20

HW-1

0B18006-01 (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	96.7 %	70-140
Dibromofluoromethane	99.7 %	70-140
Toluene-d8	98.7 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333352
Project No:	04-NDLA-013	**Date Received:**	02/18/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/26/20
Matrix:	Vapor	**Sampled:**	02/18/20
Dilution:	1	**Prepared:**	02/19/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	02/19/20

HW-5

0B18006-02 (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	97.5 %	70-140
Dibromofluoromethane	102 %	70-140
Toluene-d8	98.2 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333352
Project No:	04-NDLA-013	**Date Received:**	02/18/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/26/20
Matrix:	Vapor	**Sampled:**	02/18/20
Dilution:	1	**Prepared:**	02/19/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	02/19/20

HW-7

0B18006-03 (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	97.7 %	70-140
Dibromofluoromethane	103 %	70-140
Toluene-d8	98.8 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333352
Project No:	04-NDLA-013	**Date Received:**	02/18/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/26/20
Matrix:	Vapor	**Sampled:**	02/18/20
Dilution:	1	**Prepared:**	02/19/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	02/19/20

HW-8

0B18006-04 (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	99.0 %	70-140
Dibromofluoromethane	104 %	70-140
Toluene-d8	98.9 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333352
Project No:	04-NDLA-013	**Date Received:**	02/18/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/26/20
Matrix:	Vapor	**Sampled:**	02/18/20
Dilution:	1	**Prepared:**	02/19/20
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	02/19/20

HW-9

0B18006-05 (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	95.7 %	70-140
Dibromofluoromethane	106 %	70-140
Toluene-d8	97.9 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333352
Project No:	04-NDLA-013	**Date Received:**	02/18/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/26/20
Matrix:	Vapor	**Sampled:**	02/18/20
Dilution:	1	**Prepared:**	02/19/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	02/19/20

HW-1

0B18006-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**98**	ug/L	20	**24**	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:**	A5333352
Project No:	04-NDLA-013	**Date Received:**	02/18/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/26/20
Matrix:	Vapor	**Sampled:**	02/18/20
Dilution:	1	**Prepared:**	02/19/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	02/19/20

HW-5

0B18006-02 (Vapor)

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

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	98.0 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333352
Project No:	04-NDLA-013	**Date Received:**	02/18/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/26/20
Matrix:	Vapor	**Sampled:**	02/18/20
Dilution:	1	**Prepared:**	02/19/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	02/19/20

HW-7

0B18006-03 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**64**	ug/L	20	**16**	ppmv	4.9

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333352
Project No:	04-NDLA-013	**Date Received:**	02/18/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/26/20
Matrix:	Vapor	**Sampled:**	02/18/20
Dilution:	1	**Prepared:**	02/19/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	02/19/20

HW-8

0B18006-04 (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	94.4 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333352
Project No:	04-NDLA-013	**Date Received:**	02/18/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/26/20
Matrix:	Vapor	**Sampled:**	02/18/20
Dilution:	1	**Prepared:**	02/19/20
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	02/19/20

HW-9

0B18006-05 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**1300**	ug/L	20	**320**	ppmv	4.9

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333352
Project No:	04-NDLA-013	**Date Received:**	02/18/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/26/20
Method:	GRO in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	02/18/20	02/18/20	02/18/20	02/18/20	
Date Prepared:	02/19/20	02/19/20	02/19/20	02/19/20	
Date Analyzed:	02/19/20	02/19/20	02/19/20	02/19/20	
AA ID No:	0B18006-01	0B18006-02	0B18006-03	0B18006-04	
Client ID No:	HW-1	HW-5	HW-7	HW-8	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	1	1	1	1	MRL
GRO in Vapor as Hexane (EPA 8015M)					
GRO as Hexane	**22**	<5.7	**14**	<5.7	5.7

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333352
Project No:	04-NDLA-013	**Date Received:**	02/18/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/26/20
Method:	GRO in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	02/18/20	
Date Prepared:	02/19/20	
Date Analyzed:	02/19/20	
AA ID No:	0B18006-05	
Client ID No:	HW-9	
Matrix:	Vapor	
Dilution Factor:	1	MRL

GRO in Vapor as Hexane (EPA 8015M)

GRO as Hexane	**290**	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: A5333352
Date Received: 02/18/20
Date Reported: 02/26/20

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 B0B1915 - *** DEFAULT PREP ****										
Blank (B0B1915-BLK1)				Prepared & Analyzed: 02/19/20						
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	*49.6*		*ug/L*	*50*		*99.3*	*70-140*			
Surrogate: Dibromofluoromethane	*55.0*		*ug/L*	*50*		*110*	*70-140*			
Surrogate: Toluene-d8	*50.4*		*ug/L*	*50*		*101*	*70-140*			
LCS (B0B1915-BS1)				Prepared & Analyzed: 02/19/20						
Benzene	**22.9**	0.50	ug/L	20		114	75-125			
Ethylbenzene	**22.2**	0.50	ug/L	20		111	75-125			
Methyl-tert-Butyl Ether (MTBE)	**42.9**	2.0	ug/L	40		107	75-125			
Toluene	**20.8**	0.50	ug/L	20		104	75-125			
o-Xylene	**21.0**	0.50	ug/L	20		105	75-125			
m,p-Xylenes	**42.5**	1.0	ug/L	40		106	75-125			
Surrogate: 4-Bromofluorobenzene	*50.3*		*ug/L*	*50*		*101*	*70-140*			
Surrogate: Dibromofluoromethane	*48.5*		*ug/L*	*50*		*97.1*	*70-140*			
Surrogate: Toluene-d8	*51.1*		*ug/L*	*50*		*102*	*70-140*			
LCS Dup (B0B1915-BSD1)				Prepared & Analyzed: 02/19/20						
Benzene	**21.4**	0.50	ug/L	20		107	75-125	6.82	30	
Ethylbenzene	**21.8**	0.50	ug/L	20		109	75-125	1.82	30	
Methyl-tert-Butyl Ether (MTBE)	**41.1**	2.0	ug/L	40		103	75-125	4.17	30	
Toluene	**20.4**	0.50	ug/L	20		102	75-125	2.18	30	
o-Xylene	**20.9**	0.50	ug/L	20		105	75-125	0.524	30	
m,p-Xylenes	**42.3**	1.0	ug/L	40		106	75-125	0.472	30	
Surrogate: 4-Bromofluorobenzene	*48.6*		*ug/L*	*50*		*97.2*	*70-140*			
Surrogate: Dibromofluoromethane	*49.0*		*ug/L*	*50*		*98.0*	*70-140*			
Surrogate: Toluene-d8	*49.9*		*ug/L*	*50*		*99.9*	*70-140*			
Duplicate (B0B1915-DUP1)				**Source: 0B18004-02** Prepared & Analyzed: 02/19/20						

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: A5333352
Date Received: 02/18/20
Date Reported: 02/26/20

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 B0B1915 - *** DEFAULT PREP ****										
Duplicate (B0B1915-DUP1) Continued			**Source: 0B18004-02**	Prepared & Analyzed: 02/19/20						
Benzene	**<0.25**	0.25	ug/L						30	
Ethylbenzene	**<0.25**	0.25	ug/L						30	
Methyl-tert-Butyl Ether (MTBE)	**<1.0**	1.0	ug/L						30	
Toluene	**<0.25**	0.25	ug/L						30	
o-Xylene	**<0.25**	0.25	ug/L						30	
m,p-Xylenes	**<0.50**	0.50	ug/L						30	
Surrogate: 4-Bromofluorobenzene	*50.3*		*ug/L*	*50*		*101*	*70-140*			
Surrogate: Dibromofluoromethane	*53.4*		*ug/L*	*50*		*107*	*70-140*			
Surrogate: Toluene-d8	*50.0*		*ug/L*	*50*		*100*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B0B1917 - *** DEFAULT PREP ****										
Blank (B0B1917-BLK1)				Prepared & Analyzed: 02/19/20						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*49.2*		*ug/L*	*50*		*98.5*	*70-130*			
LCS (B0B1917-BS1)				Prepared & Analyzed: 02/19/20						
Gasoline Range Organics (GRO)	**500**	20	ug/L	500		99.9	75-125			
Surrogate: a,a,a-Trifluorotoluene	*56.2*		*ug/L*	*50*		*112*	*70-130*			
LCS Dup (B0B1917-BSD1)				Prepared & Analyzed: 02/19/20						
Gasoline Range Organics (GRO)	**492**	20	ug/L	500		98.3	75-125	1.58	30	
Surrogate: a,a,a-Trifluorotoluene	*54.2*		*ug/L*	*50*		*108*	*70-130*			
Duplicate (B0B1917-DUP1)			**Source: 0B18006-02**	Prepared & Analyzed: 02/19/20						
Gasoline Range Organics (GRO)	**<20**	20	ug/L		<20				30	
Surrogate: a,a,a-Trifluorotoluene	*47.7*		*ug/L*	*50*		*95.4*	*70-130*			
GRO in Vapor as Hexane - Quality Control										
*Batch B0B1917 - *** DEFAULT PREP ****										
Blank (B0B1917-BLK1)				Prepared & Analyzed: 02/19/20						
GRO as Hexane	<5.7	5.7	ppmv							
Duplicate (B0B1917-DUP1)			**Source: 0B18006-02**	Prepared & Analyzed: 02/19/20						

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: A5333352
Date Received: 02/18/20
Date Reported: 02/26/20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
GRO in Vapor as Hexane - Quality Control										
*Batch B0B1917 - *** DEFAULT PREP ****										
Duplicate (B0B1917-DUP1) Continued	**Source: 0B18006-02**			Prepared & Analyzed: 02/19/20						
GRO as Hexane	**<5.7**	5.7	ppmv		<5.7				30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5333352
Project No:	04-NDLA-013	**Date Received:**	02/18/20
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/26/20

Special Notes

Viorel Vasile
Operations Manager

19924

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

TAT Turnaround Codes **

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

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

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	Total VOCs Gas 8015	Total VOCs Hexane 8015	BTEX/MTBE 8260B								Special Instructions
HW-1	OB18006-01	2-18-20	1103	Air	1	✓	✓	✓								
HW-5	-02	↓	1108	Air	1	✓	✓	✓								
HW-7	-03	↓	1112	Air	1	✓	✓	✓								
HW-8	-04	↓	1123	Air	1	✓	✓	✓								
HW-9	-05	↓	1128	Air	1	✓	✓	✓								

PRIORITY SH Rush Hrs Date 2/19/2020 Time 0600 Sign

20FEB18

AS333352 / OB18006

Relinquished by	Date	Time	Received by
Glenn Androsko	2-18-20	12:00	[signature]
[signature]	2-18-20	16:12	[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.

AS333352/OB18006

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

enthalpy.com

Lab Job Number:	424271
Report Level:	II
Report Date:	02/06/2020

Analytical Report *prepared for:*

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

Location: DFSP-Norwalk, #091-NDLA-026

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.

ENTHALPY ANALYTICAL

Sample Summary

Imedla Morales	Lab Job #:	424271
APEX - Signal Hill	Location:	DFSP-Norwalk, #091-NDLA-026
1962 Freeman Avenue	Date Received:	01/30/20
Signal Hill, CA 90755		

Sample ID	Lab ID	Collected	Matrix
SURGE TANK	424271-001	01/30/20 10:05	Water

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 420271

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

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

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	APEX/The Source Group	Quote #:	
Report To:	Imelda Morales	Proj. Name:	DFSP-Norwalk
Email:	imelda.morales@apexcos.com	Proj. #:	091-NDLA-026
Address:	1962 Freeman Ave	P.O. #:	
	Signal Hill CA	Address:	
Phone:	562-597-1055	Global ID:	
Fax:		Sampled By:	Glenn Androsko

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	8015 M	Test Instructions / Comments
1	Surge Tank	1-30-20	1005	Water	1L	—	X	
2								
3								
4								
5								
6								
7								
8								
9								
10								

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	Glenn Androsko	Glenn Androsko	APEX	1-30-20 1010
[1] Received By:	[illegible]	[illegible]	E-A	1-30-20 1013
[2] Relinquished By:	[illegible]	[illegible]	E-A	1-30-20 1508
[2] Received By:	Christine C.	Christine C.	EA	1/30/20 1570
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Apex

Date Received: 1/30/2020

Project: _____

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: 3.4 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.4 #2: _____ #3: _____ #4: _____

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

Section 5 Explanations/Comments

Section 6

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

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

Project Manager's response:

Completed By: _____ Date: 1/30/2020

ENTHALPY ANALYTICAL

Extractable Petroleum Hydrocarbons

Lab #: 424271 **Project#:** STANDARD

Client: APEX - Signal Hill **Location:** DFSP-Norwalk, #091-NDLA-026

Field ID: SURGE TANK **Batch#:** 241879 **Prep:** EPA 3510C

Type: SAMPLE **Sampled:** 01/30/20 **Analysis:** EPA 8015B

Lab ID: 424271-001 **Received:** 01/30/20 **Analyst:** TJW

Matrix: Water **Prepared:** 01/30/20

Diln Fac: 1.000 **Analyzed:** 02/04/20

Analyte	Result	RL	Units
Diesel C10-C28	**0.79**	0.094	mg/L

Surrogate	%REC	Limits
n-Triacontane	86	50-150

Type: BLANK **Batch#:** 241879 **Analysis:** EPA 8015B

Lab ID: QC859203 **Prepared:** 01/30/20 **Analyst:** TJW

Matrix: Water **Analyzed:** 02/03/20

Diln Fac: 1.000 **Prep:** EPA 3510C

Analyte	Result	RL	Units
Diesel C10-C28	ND	0.10	mg/L

Surrogate	%REC	Limits
n-Triacontane	76	50-150

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Extractable Petroleum Hydrocarbons: Batch QC

Lab #: 424271 **Project#:** STANDARD

Client: APEX - Signal Hill **Location:** DFSP-Norwalk, #091-NDLA-026

Type: BS **Batch#:** 241879 **Analysis:** EPA 8015B

Lab ID: QC859204 **Prepared:** 01/30/20 **Analyst:** TJW

Matrix: Water **Analyzed:** 02/03/20

Dil n Fac: 1.000 **Prep:** EPA 3510C

Analyte	Spiked	Result	%REC	Limits	Units
Diesel C10-C28	1.000	0.7383	74	70-130	mg/L

Surrogate	%REC	Limits
n-Triacontane	79	50-150

Type: BSD **Batch#:** 241879 **Analysis:** EPA 8015B

Lab ID: QC859205 **Prepared:** 01/30/20 **Analyst:** TJW

Matrix: Water **Analyzed:** 02/03/20

Dil n Fac: 1.000 **Prep:** EPA 3510C

Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Diesel C10-C28	1.000	0.8140	81	70-130	mg/L	10	20

Surrogate	%REC	Limits
n-Triacontane	83	50-150

Legend

RPD: Relative Percent Difference

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

enthalpy.com

Lab Job Number:	425661
Report Level:	II
Report Date:	03/21/2020

Analytical Report *prepared for:*

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

Project: PERMIT #22453_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.

ENTHALPY ANALYTICAL

Sample Summary

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

Lab Job #: 425661
Project No: PERMIT #22453_WW
Date Received: 03/11/20

Sample ID	Lab ID	Collected	Matrix
SURGE TANK_03-11-20	425661-001	03/11/20 10:00	Water
EFFLUENT_03-11-20	425661-002	03/11/20 10:15	Water

4256061

CHAIN OF CUSTODY RECORD

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

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

ENTHALPY ANALYTICAL

www.enthalpy.com

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

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

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

Turn Around Time	
Standard	X
72 Hours	
48 Hours	
24 Hours	
Same Day	

ENTHALPY ANALYTICAL

CUSTOMER INFORMATION

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

PROJECT INFORMATION

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

	Sample ID	Date	Time	Matrix	Container	Pres.	2540D TSS	5220-D COD	4500-S-D Soluble Sulfide	4500HB pH Field	624 Alab	625 Alab	8015 TPHD	Test Instruction & Comments
1	Surge Tank_03-11-20	3-11-20	1000	WW	1-L, 1-125ml	4	X	X	X	X	X	X	X	
2	Effluent_03-11-20	"	1015	WW	1-L, 2-250ml, 6-40ml	4,2,6	X	X	X	X	X	X		
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														

Analysis

Meter Readings		pH	Temp.	Time
1) Begin:				
End:		7.23	22.3	
2) Begin:				
End:		7.05	21.2	
3) Begin:				
End:				
4) Begin:				
End:				

Relinquished By: 1	Received By: 1	Relinquished By: 2	Received By: 2	Authorized By:
Glenn Androsko	Henry Gutierrez	Henry Gu	Christine	
Print Name: Glenn Androsko	Print Name: Henry Gutierrez	Print Name:	Print Name: Christine	
Date: 3-11-20 Time: 1030	Date: 3/11/20 Time: 10:30	Date: 3/11/20 Time: 12:02	Date: 3/11/20 Time: 1202	
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: _____

Date Received: 3/11/20

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: 6.1 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.5 #2: _____ #3: _____ #4: _____

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

Section 5 Explanations/Comments

Section 6

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

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

Project Manager's response:

Completed By: _____ Date: 3/11/20.

ENTHALPY ANALYTICAL

Analysis Results for 425661

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

Lab Job #: 425661
Project No: PERMIT #22453_WW
Date Received: 03/11/20

Sample ID: SURGE TANK_03-11-20 **Lab ID: 425661-001** **Collected: 03/11/20 10:00**
Matrix: Water

425661-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 624 Prep Method: EPA 624									
Chloromethane	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
Vinyl Chloride	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
Bromomethane	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
Chloroethane	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
2-Chloroethylvinylether	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
Trichlorofluoromethane	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
1,1-Dichloroethene	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
Methylene Chloride	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
trans-1,2-Dichloroethene	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
1,1-Dichloroethane	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
Chloroform	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
1,1,1-Trichloroethane	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
Carbon Tetrachloride	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
1,2-Dichloroethane	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
Benzene	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
Trichloroethene	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
1,2-Dichloropropane	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
Bromodichloromethane	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
cis-1,3-Dichloropropene	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
Toluene	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
trans-1,3-Dichloropropene	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
1,1,2-Trichloroethane	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
Tetrachloroethene	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
Dibromochloromethane	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
Chlorobenzene	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
Ethylbenzene	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
Bromoform	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
1,3-Dichlorobenzene	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
1,4-Dichlorobenzene	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
1,2-Dichlorobenzene	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
Surrogates				**Limits**					
Dibromofluoromethane	95%		%REC	70-140	1	243162	03/12/20	03/12/20	LYZ
1,2-Dichloroethane-d4	99%		%REC	70-140	1	243162	03/12/20	03/12/20	LYZ
Toluene-d8	98%		%REC	70-140	1	243162	03/12/20	03/12/20	LYZ

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

ENTHALPY ANALYTICAL

Analysis Results for 425661

425661-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Bromofluorobenzene	103%		%REC	70-140	1	243162	03/12/20	03/12/20	LYZ
Method: EPA 625 Prep Method: EPA 3510C									
Benzoic acid	ND		ug/L	47	0.94	243137	03/11/20	03/18/20	MTS
Benzidine	ND		ug/L	47	0.94	243137	03/11/20	03/18/20	MTS
Benzyl alcohol	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
4-Chloroaniline	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Dibenzofuran	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
2-Methylphenol	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
2-Methylnaphthalene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
2-Nitroaniline	ND		ug/L	47	0.94	243137	03/11/20	03/18/20	MTS
3-Nitroaniline	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
4-Nitroaniline	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
2,4,5-Trichlorophenol	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
N-Nitrosodimethylamine	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Phenol	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
bis(2-Chloroethyl)ether	ND		ug/L	24	0.94	243137	03/11/20	03/18/20	MTS
2-Chlorophenol	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
1,3-Dichlorobenzene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
1,4-Dichlorobenzene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
1,2-Dichlorobenzene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
bis(2-Chloroisopropyl) ether	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
N-Nitroso-di-n-propylamine	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Hexachloroethane	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Nitrobenzene	ND		ug/L	24	0.94	243137	03/11/20	03/18/20	MTS
Isophorone	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
2-Nitrophenol	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
2,4-Dimethylphenol	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
bis(2-Chloroethoxy)methane	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
2,4-Dichlorophenol	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
1,2,4-Trichlorobenzene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Naphthalene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Hexachlorobutadiene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
4-Chloro-3-methylphenol	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Hexachlorocyclopentadiene	ND		ug/L	24	0.94	243137	03/11/20	03/18/20	MTS
2,4,6-Trichlorophenol	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
2-Chloronaphthalene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Dimethylphthalate	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Acenaphthylene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
2,6-Dinitrotoluene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Acenaphthene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
2,4-Dinitrophenol	ND		ug/L	47	0.94	243137	03/11/20	03/18/20	MTS
4-Nitrophenol	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
2,4-Dinitrotoluene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Diethylphthalate	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Fluorene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS

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

ENTHALPY ANALYTICAL

Analysis Results for 425661

425661-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
4-Chlorophenyl-phenylether	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
4,6-Dinitro-2-methylphenol	ND		ug/L	47	0.94	243137	03/11/20	03/18/20	MTS
N-Nitrosodiphenylamine	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Azobenzene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
4-Bromophenyl-phenylether	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Hexachlorobenzene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Pentachlorophenol	ND		ug/L	24	0.94	243137	03/11/20	03/18/20	MTS
Phenanthrene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Anthracene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Di-n-butylphthalate	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Fluoranthene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Pyrene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Butylbenzylphthalate	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
3,3'-Dichlorobenzidine	ND		ug/L	24	0.94	243137	03/11/20	03/18/20	MTS
Benzo(a)anthracene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Chrysene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
bis(2-Ethylhexyl)phthalate	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Di-n-octylphthalate	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Benzo(b)fluoranthene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Benzo(k)fluoranthene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Benzo(a)pyrene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Indeno(1,2,3-cd)pyrene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Dibenz(a,h)anthracene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Benzo(g,h,i)perylene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
3-,4-Methylphenol	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Surrogates				**Limits**					
2-Fluorophenol	23%		%REC	23-76	0.94	243137	03/11/20	03/18/20	MTS
Phenol-d6	17%		%REC	17-56	0.94	243137	03/11/20	03/18/20	MTS
2,4,6-Tribromophenol	49%		%REC	39-137	0.94	243137	03/11/20	03/18/20	MTS
Nitrobenzene-d5	38%		%REC	30-115	0.94	243137	03/11/20	03/18/20	MTS
2-Fluorobiphenyl	39%		%REC	37-102	0.94	243137	03/11/20	03/18/20	MTS
Terphenyl-d14	45%	*	%REC	61-121	0.94	243137	03/11/20	03/18/20	MTS
Method: EPA 8015B Prep Method: EPA 3510C									
Diesel C10-C28	**0.37**	B	mg/L	0.094	0.94	243206	03/12/20	03/13/20	TJW
Surrogates				**Limits**					
n-Triacontane	70%		%REC	50-150	0.94	243206	03/12/20	03/13/20	TJW
Method: SM 2550B									
Field Source Temperature	**22.3**		deg C		1	243609	03/11/20 10:00	03/11/20 10:00	HGS
Method: SM 4500-H+ B									
Field pH	**7.2**		SU		1	243609	03/11/20 10:00	03/11/20 10:00	HGS
Method: SM 4500-S2-D Prep Method: METHOD									
Dissolved Sulfide	ND		mg/L	0.10	1	243451	03/12/20 09:00	03/12/20 09:00	ATP

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

ENTHALPY ANALYTICAL

Analysis Results for 425661

425661-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM2540D Prep Method: METHOD									
Total Suspended Solids	**5.3**		mg/L	0.6	1.1	243127	03/11/20	03/11/20	ATP
Method: SM5220D Prep Method: METHOD									
Chemical Oxygen Demand	ND		mg/L	4.0	1	243401	03/17/20	03/17/20	ATP

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

ENTHALPY ANALYTICAL

Analysis Results for 425661

Sample ID: EFFLUENT_03-11-20	Lab ID: 425661-002	Collected: 03/11/20 10:15
	Matrix: Water	

425661-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 624 Prep Method: EPA 624									
Chloromethane	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
Vinyl Chloride	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
Bromomethane	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
Chloroethane	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
2-Chloroethylvinylether	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
Trichlorofluoromethane	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
1,1-Dichloroethene	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
Methylene Chloride	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
trans-1,2-Dichloroethene	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
1,1-Dichloroethane	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
Chloroform	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
1,1,1-Trichloroethane	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
Carbon Tetrachloride	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
1,2-Dichloroethane	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
Benzene	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
Trichloroethene	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
1,2-Dichloropropane	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
Bromodichloromethane	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
cis-1,3-Dichloropropene	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
Toluene	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
trans-1,3-Dichloropropene	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
1,1,2-Trichloroethane	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
Tetrachloroethene	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
Dibromochloromethane	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
Chlorobenzene	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
Ethylbenzene	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
Bromoform	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
1,3-Dichlorobenzene	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
1,4-Dichlorobenzene	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
1,2-Dichlorobenzene	ND		ug/L	5.0	1	243162	03/12/20	03/12/20	LYZ
Surrogates				**Limits**					
Dibromofluoromethane	96%		%REC	70-140	1	243162	03/12/20	03/12/20	LYZ
1,2-Dichloroethane-d4	103%		%REC	70-140	1	243162	03/12/20	03/12/20	LYZ
Toluene-d8	99%		%REC	70-140	1	243162	03/12/20	03/12/20	LYZ
Bromofluorobenzene	104%		%REC	70-140	1	243162	03/12/20	03/12/20	LYZ
Method: EPA 625 Prep Method: EPA 3510C									
Benzoic acid	ND		ug/L	47	0.94	243137	03/11/20	03/18/20	MTS
Benzidine	ND		ug/L	47	0.94	243137	03/11/20	03/18/20	MTS

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

ENTHALPY ANALYTICAL

Analysis Results for 425661

425661-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Benzyl alcohol	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
4-Chloroaniline	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Dibenzofuran	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
2-Methylphenol	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
2-Methylnaphthalene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
2-Nitroaniline	ND		ug/L	47	0.94	243137	03/11/20	03/18/20	MTS
3-Nitroaniline	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
4-Nitroaniline	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
2,4,5-Trichlorophenol	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
N-Nitrosodimethylamine	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Phenol	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
bis(2-Chloroethyl)ether	ND		ug/L	24	0.94	243137	03/11/20	03/18/20	MTS
2-Chlorophenol	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
1,3-Dichlorobenzene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
1,4-Dichlorobenzene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
1,2-Dichlorobenzene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
bis(2-Chloroisopropyl) ether	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
N-Nitroso-di-n-propylamine	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Hexachloroethane	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Nitrobenzene	ND		ug/L	24	0.94	243137	03/11/20	03/18/20	MTS
Isophorone	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
2-Nitrophenol	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
2,4-Dimethylphenol	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
bis(2-Chloroethoxy)methane	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
2,4-Dichlorophenol	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
1,2,4-Trichlorobenzene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Naphthalene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Hexachlorobutadiene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
4-Chloro-3-methylphenol	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Hexachlorocyclopentadiene	ND		ug/L	24	0.94	243137	03/11/20	03/18/20	MTS
2,4,6-Trichlorophenol	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
2-Chloronaphthalene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Dimethylphthalate	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Acenaphthylene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
2,6-Dinitrotoluene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Acenaphthene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
2,4-Dinitrophenol	ND		ug/L	47	0.94	243137	03/11/20	03/18/20	MTS
4-Nitrophenol	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
2,4-Dinitrotoluene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Diethylphthalate	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Fluorene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
4-Chlorophenyl-phenylether	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
4,6-Dinitro-2-methylphenol	ND		ug/L	47	0.94	243137	03/11/20	03/18/20	MTS
N-Nitrosodiphenylamine	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Azobenzene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
4-Bromophenyl-phenylether	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS

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

ENTHALPY ANALYTICAL

Analysis Results for 425661

425661-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Hexachlorobenzene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Pentachlorophenol	ND		ug/L	24	0.94	243137	03/11/20	03/18/20	MTS
Phenanthrene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Anthracene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Di-n-butylphthalate	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Fluoranthene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Pyrene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Butylbenzylphthalate	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
3,3'-Dichlorobenzidine	ND		ug/L	24	0.94	243137	03/11/20	03/18/20	MTS
Benzo(a)anthracene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Chrysene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
bis(2-Ethylhexyl)phthalate	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Di-n-octylphthalate	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Benzo(b)fluoranthene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Benzo(k)fluoranthene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Benzo(a)pyrene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Indeno(1,2,3-cd)pyrene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Dibenz(a,h)anthracene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Benzo(g,h,i)perylene	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
3-,4-Methylphenol	ND		ug/L	9.4	0.94	243137	03/11/20	03/18/20	MTS
Surrogates				**Limits**					
2-Fluorophenol	26%		%REC	23-76	0.94	243137	03/11/20	03/18/20	MTS
Phenol-d6	20%		%REC	17-56	0.94	243137	03/11/20	03/18/20	MTS
2,4,6-Tribromophenol	49%		%REC	39-137	0.94	243137	03/11/20	03/18/20	MTS
Nitrobenzene-d5	52%		%REC	30-115	0.94	243137	03/11/20	03/18/20	MTS
2-Fluorobiphenyl	56%		%REC	37-102	0.94	243137	03/11/20	03/18/20	MTS
Terphenyl-d14	57%	*	%REC	61-121	0.94	243137	03/11/20	03/18/20	MTS
Method: SM 2550B									
Field Source Temperature	**21.2**		deg C		1	243609	03/11/20 10:15	03/11/20 10:15	HGS
Method: SM 4500-H+ B									
Field pH	**7.1**		SU		1	243609	03/11/20 10:15	03/11/20 10:15	HGS
Method: SM 4500-S2-D Prep Method: METHOD									
Dissolved Sulfide	ND		mg/L	0.10	1	243451	03/12/20 09:00	03/12/20 09:00	ATP
Method: SM2540D Prep Method: METHOD									
Total Suspended Solids	ND		mg/L	0.5	1.1	243127	03/11/20	03/11/20	ATP
Method: SM5220D Prep Method: METHOD									
Chemical Oxygen Demand	ND		mg/L	4.0	1	243401	03/17/20	03/17/20	ATP

* Value is outside QC limits
B Contamination found in associated Method Blank
ND Not Detected

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

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC861921	**Batch:** 243127
Matrix: Water	**Method:** SM2540D	**Prep Method:** METHOD

QC861921 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5	03/11/20	03/11/20

Type: Sample Duplicate	**Lab ID:** QC861922	**Batch:** 243127
Matrix (Source ID): Water (425665-001)	**Method:** SM2540D	**Prep Method:** METHOD

QC861922 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	286.0	278.0	mg/L		3	5	20

Type: Blank	**Lab ID:** QC862550	**Batch:** 243401
Matrix: Water	**Method:** SM5220D	**Prep Method:** METHOD

QC862550 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	03/17/20	03/17/20

Type: Lab Control Sample	**Lab ID:** QC862551	**Batch:** 243401
Matrix: Water	**Method:** SM5220D	**Prep Method:** METHOD

QC862551 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	96.00	100.0	mg/L	96%		80-120

Type: Matrix Spike	**Lab ID:** QC862552	**Batch:** 243401
Matrix (Source ID): Water (425892-001)	**Method:** SM5220D	**Prep Method:** METHOD

QC862552 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	106.0	0	100.0	mg/L	106%		75-125	2

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC862553	Batch:	243401
Matrix (Source ID):	Water (425892-001)	Method:	SM5220D	Prep Method:	METHOD

QC862553 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	104.0	0	100.0	mg/L	104%		75-125	2	20	2

Type:	Blank	Lab ID:	QC862680	Batch:	243451
Matrix:	Water	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC862680 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Dissolved Sulfide	ND		mg/L	0.05	03/12/20 09:00	03/12/20 09:00

Type:	Lab Control Sample	Lab ID:	QC862681	Batch:	243451
Matrix:	Water	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC862681 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Dissolved Sulfide	1.000	1.000	mg/L	100%		80-120

Type:	Matrix Spike	Lab ID:	QC862682	Batch:	243451
Matrix (Source ID):	Water (425783-002)	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC862682 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Dissolved Sulfide	1.000	0	1.000	mg/L	100%		80-120	1

Type:	Matrix Spike Duplicate	Lab ID:	QC862683	Batch:	243451
Matrix (Source ID):	Water (425783-002)	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC862683 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Dissolved Sulfide	1.000	0	1.000	mg/L	100%		80-120	0	20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC861947**	**Batch:**	**243137**
Matrix:	**Water**	**Method:**	**EPA 625**	**Prep Method:**	**EPA 3510C**

QC861947 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Benzoic acid	ND		ug/L	50	03/11/20	03/18/20
Benzidine	ND		ug/L	50	03/11/20	03/18/20
Benzyl alcohol	ND		ug/L	10	03/11/20	03/18/20
4-Chloroaniline	ND		ug/L	10	03/11/20	03/18/20
Dibenzofuran	ND		ug/L	10	03/11/20	03/18/20
2-Methylphenol	ND		ug/L	10	03/11/20	03/18/20
2-Methylnaphthalene	ND		ug/L	10	03/11/20	03/18/20
2-Nitroaniline	ND		ug/L	50	03/11/20	03/18/20
3-Nitroaniline	ND		ug/L	10	03/11/20	03/18/20
4-Nitroaniline	ND		ug/L	10	03/11/20	03/18/20
2,4,5-Trichlorophenol	ND		ug/L	10	03/11/20	03/18/20
N-Nitrosodimethylamine	ND		ug/L	10	03/11/20	03/18/20
Phenol	ND		ug/L	10	03/11/20	03/18/20
bis(2-Chloroethyl)ether	ND		ug/L	25	03/11/20	03/18/20
2-Chlorophenol	ND		ug/L	10	03/11/20	03/18/20
1,3-Dichlorobenzene	ND		ug/L	10	03/11/20	03/18/20
1,4-Dichlorobenzene	ND		ug/L	10	03/11/20	03/18/20
1,2-Dichlorobenzene	ND		ug/L	10	03/11/20	03/18/20
bis(2-Chloroisopropyl) ether	ND		ug/L	10	03/11/20	03/18/20
N-Nitroso-di-n-propylamine	ND		ug/L	10	03/11/20	03/18/20
Hexachloroethane	ND		ug/L	10	03/11/20	03/18/20
Nitrobenzene	ND		ug/L	25	03/11/20	03/18/20
Isophorone	ND		ug/L	10	03/11/20	03/18/20
2-Nitrophenol	ND		ug/L	10	03/11/20	03/18/20
2,4-Dimethylphenol	ND		ug/L	10	03/11/20	03/18/20
bis(2-Chloroethoxy)methane	ND		ug/L	10	03/11/20	03/18/20
2,4-Dichlorophenol	ND		ug/L	10	03/11/20	03/18/20
1,2,4-Trichlorobenzene	ND		ug/L	10	03/11/20	03/18/20
Naphthalene	ND		ug/L	10	03/11/20	03/18/20
Hexachlorobutadiene	ND		ug/L	10	03/11/20	03/18/20
4-Chloro-3-methylphenol	ND		ug/L	10	03/11/20	03/18/20
Hexachlorocyclopentadiene	ND		ug/L	25	03/11/20	03/18/20
2,4,6-Trichlorophenol	ND		ug/L	10	03/11/20	03/18/20
2-Chloronaphthalene	ND		ug/L	10	03/11/20	03/18/20
Dimethylphthalate	ND		ug/L	10	03/11/20	03/18/20
Acenaphthylene	ND		ug/L	10	03/11/20	03/18/20
2,6-Dinitrotoluene	ND		ug/L	10	03/11/20	03/18/20
Acenaphthene	ND		ug/L	10	03/11/20	03/18/20
2,4-Dinitrophenol	ND		ug/L	50	03/11/20	03/18/20
4-Nitrophenol	ND		ug/L	10	03/11/20	03/18/20
2,4-Dinitrotoluene	ND		ug/L	10	03/11/20	03/18/20
Diethylphthalate	ND		ug/L	10	03/11/20	03/18/20

ENTHALPY ANALYTICAL

Batch QC

QC861947 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Fluorene	ND		ug/L	10	03/11/20	03/18/20
4-Chlorophenyl-phenylether	ND		ug/L	10	03/11/20	03/18/20
4,6-Dinitro-2-methylphenol	ND		ug/L	50	03/11/20	03/18/20
N-Nitrosodiphenylamine	ND		ug/L	10	03/11/20	03/18/20
Azobenzene	ND		ug/L	10	03/11/20	03/18/20
4-Bromophenyl-phenylether	ND		ug/L	10	03/11/20	03/18/20
Hexachlorobenzene	ND		ug/L	10	03/11/20	03/18/20
Pentachlorophenol	ND		ug/L	25	03/11/20	03/18/20
Phenanthrene	ND		ug/L	10	03/11/20	03/18/20
Anthracene	ND		ug/L	10	03/11/20	03/18/20
Di-n-butylphthalate	ND		ug/L	10	03/11/20	03/18/20
Fluoranthene	ND		ug/L	10	03/11/20	03/18/20
Pyrene	ND		ug/L	10	03/11/20	03/18/20
Butylbenzylphthalate	ND		ug/L	10	03/11/20	03/18/20
3,3'-Dichlorobenzidine	ND		ug/L	25	03/11/20	03/18/20
Benzo(a)anthracene	ND		ug/L	10	03/11/20	03/18/20
Chrysene	ND		ug/L	10	03/11/20	03/18/20
bis(2-Ethylhexyl)phthalate	ND		ug/L	10	03/11/20	03/18/20
Di-n-octylphthalate	ND		ug/L	10	03/11/20	03/18/20
Benzo(b)fluoranthene	ND		ug/L	10	03/11/20	03/18/20
Benzo(k)fluoranthene	ND		ug/L	10	03/11/20	03/18/20
Benzo(a)pyrene	ND		ug/L	10	03/11/20	03/18/20
Indeno(1,2,3-cd)pyrene	ND		ug/L	10	03/11/20	03/18/20
Dibenz(a,h)anthracene	ND		ug/L	10	03/11/20	03/18/20
Benzo(g,h,i)perylene	ND		ug/L	10	03/11/20	03/18/20
3-,4-Methylphenol	ND		ug/L	10	03/11/20	03/18/20
Surrogates				**Limits**		
2-Fluorophenol	19%	*	%REC	23-76	03/11/20	03/18/20
Phenol-d6	16%	*	%REC	17-56	03/11/20	03/18/20
2,4,6-Tribromophenol	36%	*	%REC	39-137	03/11/20	03/18/20
Nitrobenzene-d5	36%		%REC	30-115	03/11/20	03/18/20
2-Fluorobiphenyl	38%		%REC	37-102	03/11/20	03/18/20
Terphenyl-d14	44%	*	%REC	61-121	03/11/20	03/18/20

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC861948**	**Batch:**	**243137**
Matrix:	**Water**	**Method:**	**EPA 625**	**Prep Method:**	**EPA 3510C**

QC861948 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
2,4,5-Trichlorophenol	24.66	40.00	ug/L	62%		42-122
Phenol	11.80	40.00	ug/L	30%		20-72
2-Chlorophenol	19.79	40.00	ug/L	49%		31-116
1,4-Dichlorobenzene	16.38	40.00	ug/L	41%		24-86
N-Nitroso-di-n-propylamine	22.06	40.00	ug/L	55%		35-119
2,4-Dimethylphenol	10.47	40.00	ug/L	26%		21-117
1,2,4-Trichlorobenzene	18.09	40.00	ug/L	45%		26-96
4-Chloro-3-methylphenol	24.23	40.00	ug/L	61%		42-122
Acenaphthene	18.73	40.00	ug/L	47%		41-100
4-Nitrophenol	9.283	40.00	ug/L	23%		20-103
2,4-Dinitrotoluene	22.97	40.00	ug/L	57%		44-121
Pentachlorophenol	19.84	40.00	ug/L	50%		22-133
Pyrene	20.68	40.00	ug/L	52%		41-117
Chrysene	19.54	40.00	ug/L	49%		47-108
Benzo(b)fluoranthene	20.35	40.00	ug/L	51%		43-119
Surrogates						
2-Fluorophenol	12.27	40.00	ug/L	31%		23-76
Phenol-d6	9.776	40.00	ug/L	24%		17-56
2,4,6-Tribromophenol	23.23	40.00	ug/L	58%		39-137
Nitrobenzene-d5	18.65	40.00	ug/L	47%		30-115
2-Fluorobiphenyl	19.16	40.00	ug/L	48%		37-102
Terphenyl-d14	19.13	40.00	ug/L	48%	*	61-121

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC861949**	**Batch:**	**243137**
Matrix:	**Water**	**Method:**	**EPA 625**	**Prep Method:**	**EPA 3510C**

QC861949 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
2,4,5-Trichlorophenol	20.14	40.00	ug/L	50%		42-122	20	25
Phenol	8.561	40.00	ug/L	21%		20-72	32*	25
2-Chlorophenol	16.86	40.00	ug/L	42%		31-116	16	25
1,4-Dichlorobenzene	13.70	40.00	ug/L	34%		24-86	18	25
N-Nitroso-di-n-propylamine	19.07	40.00	ug/L	48%		35-119	15	25
2,4-Dimethylphenol	7.314	40.00	ug/L	18%	*	21-117	35*	25
1,2,4-Trichlorobenzene	15.19	40.00	ug/L	38%		26-96	17	25
4-Chloro-3-methylphenol	19.21	40.00	ug/L	48%		42-122	23	25
Acenaphthene	16.21	40.00	ug/L	41%		41-100	14	25
4-Nitrophenol	6.563	40.00	ug/L	16%	*	20-103	34*	25
2,4-Dinitrotoluene	19.57	40.00	ug/L	49%		44-121	16	25
Pentachlorophenol	16.75	40.00	ug/L	42%		22-133	17	25
Pyrene	17.54	40.00	ug/L	44%		41-117	16	25
Chrysene	16.64	40.00	ug/L	42%	*	47-108	16	25
Benzo(b)fluoranthene	17.43	40.00	ug/L	44%		43-119	15	25
Surrogates								
2-Fluorophenol	9.621	40.00	ug/L	24%		23-76		
Phenol-d6	7.575	40.00	ug/L	19%		17-56		
2,4,6-Tribromophenol	19.74	40.00	ug/L	49%		39-137		
Nitrobenzene-d5	16.85	40.00	ug/L	42%		30-115		
2-Fluorobiphenyl	16.54	40.00	ug/L	41%		37-102		
Terphenyl-d14	16.40	40.00	ug/L	41%	*	61-121		

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC861997**	**Batch:**	**243162**
Matrix:	**Drinking Water**	**Method:**	**EPA 624**	**Prep Method:**	**EPA 624**

QC861997 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Chloromethane	ND		ug/L	5.0	03/12/20	03/12/20
Vinyl Chloride	ND		ug/L	5.0	03/12/20	03/12/20
Bromomethane	ND		ug/L	5.0	03/12/20	03/12/20
Chloroethane	ND		ug/L	5.0	03/12/20	03/12/20
2-Chloroethylvinylether	ND		ug/L	5.0	03/12/20	03/12/20
Trichlorofluoromethane	ND		ug/L	5.0	03/12/20	03/12/20
1,1-Dichloroethene	ND		ug/L	5.0	03/12/20	03/12/20
Methylene Chloride	ND		ug/L	5.0	03/12/20	03/12/20
trans-1,2-Dichloroethene	ND		ug/L	5.0	03/12/20	03/12/20
1,1-Dichloroethane	ND		ug/L	5.0	03/12/20	03/12/20
Chloroform	ND		ug/L	5.0	03/12/20	03/12/20
1,1,1-Trichloroethane	ND		ug/L	5.0	03/12/20	03/12/20
Carbon Tetrachloride	ND		ug/L	5.0	03/12/20	03/12/20
1,2-Dichloroethane	ND		ug/L	5.0	03/12/20	03/12/20
Benzene	ND		ug/L	5.0	03/12/20	03/12/20
Trichloroethene	ND		ug/L	5.0	03/12/20	03/12/20
1,2-Dichloropropane	ND		ug/L	5.0	03/12/20	03/12/20
Bromodichloromethane	ND		ug/L	5.0	03/12/20	03/12/20
cis-1,3-Dichloropropene	ND		ug/L	5.0	03/12/20	03/12/20
Toluene	ND		ug/L	5.0	03/12/20	03/12/20
trans-1,3-Dichloropropene	ND		ug/L	5.0	03/12/20	03/12/20
1,1,2-Trichloroethane	ND		ug/L	5.0	03/12/20	03/12/20
Tetrachloroethene	ND		ug/L	5.0	03/12/20	03/12/20
Dibromochloromethane	ND		ug/L	5.0	03/12/20	03/12/20
Chlorobenzene	ND		ug/L	5.0	03/12/20	03/12/20
Ethylbenzene	ND		ug/L	5.0	03/12/20	03/12/20
Bromoform	ND		ug/L	5.0	03/12/20	03/12/20
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	03/12/20	03/12/20
1,3-Dichlorobenzene	ND		ug/L	5.0	03/12/20	03/12/20
1,4-Dichlorobenzene	ND		ug/L	5.0	03/12/20	03/12/20
1,2-Dichlorobenzene	ND		ug/L	5.0	03/12/20	03/12/20
Surrogates				**Limits**		
Dibromofluoromethane	101%		%REC	70-140	03/12/20	03/12/20
1,2-Dichloroethane-d4	103%		%REC	70-140	03/12/20	03/12/20
Toluene-d8	100%		%REC	70-140	03/12/20	03/12/20
Bromofluorobenzene	106%		%REC	70-140	03/12/20	03/12/20

ENTHALPY ANALYTICAL

Batch QC

Type:	**Sample Spike**	**Lab ID:**	**QC861999**	**Batch:**	**243162**
Matrix (Source ID):	**Drinking Water (425682-006)**	**Method:**	**EPA 624**	**Prep Method:**	**EPA 624**

QC861999 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	52.13	0	50.00	ug/L	104%		59-172	1
Benzene	47.91	0	50.00	ug/L	96%		62-137	1
Trichloroethene	45.30	0	50.00	ug/L	91%		66-142	1
Toluene	44.82	0	50.00	ug/L	90%		59-139	1
Chlorobenzene	45.85	0	50.00	ug/L	92%		60-133	1
Surrogates								
Dibromofluoromethane	51.58		50.00	ug/L	103%		70-140	1
1,2-Dichloroethane-d4	52.82		50.00	ug/L	106%		70-140	1
Toluene-d8	47.66		50.00	ug/L	95%		70-140	1
Bromofluorobenzene	49.01		50.00	ug/L	98%		70-140	1

Type:	**Lab Control Sample**	**Lab ID:**	**QC862196**	**Batch:**	**243162**
Matrix:	**Drinking Water**	**Method:**	**EPA 624**	**Prep Method:**	**EPA 624**

QC862196 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	51.11	50.00	ug/L	102%		59-172
Benzene	45.91	50.00	ug/L	92%		62-137
Trichloroethene	43.95	50.00	ug/L	88%		66-142
Toluene	43.16	50.00	ug/L	86%		59-139
Chlorobenzene	44.53	50.00	ug/L	89%		60-133
Surrogates						
Dibromofluoromethane	51.70	50.00	ug/L	103%		70-140
1,2-Dichloroethane-d4	51.84	50.00	ug/L	104%		70-140
Toluene-d8	48.02	50.00	ug/L	96%		70-140
Bromofluorobenzene	48.89	50.00	ug/L	98%		70-140

Type:	**Blank**	**Lab ID:**	**QC862114**	**Batch:**	**243206**
Matrix:	**Water**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3510C**

QC862114 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Diesel C10-C28	0.13		mg/L	0.10	03/12/20	03/13/20
Surrogates				**Limits**		
n-Triacontane	78%		%REC	50-150	03/12/20	03/13/20

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID: QC862115**	**Batch: 243206**
Matrix: Water	**Method: EPA 8015B**	**Prep Method: EPA 3510C**

QC862115 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	0.9077	1.000	mg/L	91%		53-115
Surrogates						
n-Triacontane	0.01580	0.02000	mg/L	79%		50-150

Type: Lab Control Sample Duplicate	**Lab ID: QC862116**	**Batch: 243206**
Matrix: Water	**Method: EPA 8015B**	**Prep Method: EPA 3510C**

QC862116 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Diesel C10-C28	0.9389	1.000	mg/L	94%		53-115	3	20
Surrogates								
n-Triacontane	0.01601	0.02000	mg/L	80%		50-150		

* Value is outside QC limits

ND Not Detected

APPENDIX B

LNAPL HAZARDOUS WASTE MANIFEST

Plot# 451259 C-1=BRN PH8.5 G10.6

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CA8971524360
2. Page 1 of 1
3. Emergency Response Phone: (310) 241-2833
4. Manifest Tracking Number: 012170874 FLE

GENERATOR

5. Generator's Name and Mailing Address
Defense Logistics Agency Installation Support for Energy
3171 North Gaffey St. Attn: Todd Williams
San Pedro, CA 90731 (310) 241-2834
Generator's Phone:

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

6. Transporter 1 Company Name: Nieto and Sons Trucking, Inc.
U.S. EPA ID Number: CAT080016116

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

8. Designated Facility Name and Site Address
DeMenno Kerdoon (Attn: Hannah)
2000 N. Alameda Street
Compton, CA 90222 (310) 537-7100
Facility's Phone:
U.S. EPA ID Number: CAT080013352

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN1993, Flammable Liquid, n.o.s., 3, PGII (contains jet fuel)	001	TT	60	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 QUALIFED. OUR EPA NUMBER IS CAT080013352

14. Special Handling Instructions and Additional Information
ERG# 128 / Jet Fuels & Groundwater
SGI/APEX Contact: Glenn Androska
(714) 608-1089
WEAR ALL APPROPRIATE PROTECTIVE CLOTHING
BESI PO # 314332
Profile: 445472
451259

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: 01 Day: 10 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: Richard Duarte
Signature:
Month: 01 Day: 10 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. H039 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Bennett Aaron
Signature:
Month: 01 Day: 10 Year: 20

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

Certificate of Treatment/Recycling

ISSUED TO

DEFENSE ENERGY SUPPORT CEN

FOR

MANIFEST NUMBER 012170874FLE DATE RECEIVED 1/10/2020

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

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

DeMENNO/KERDOON

"Compliance Through Recycling"

By: _____ *Date:* 1/30/2020

Cyrus Pourhassanian
Laboratory Manager

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

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

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of 1

3. Emergency Response Phone: 562-806-0300

4. Waste Tracking Number: 1520207 2020

5. Generator's Name and Mailing Address
Defense Logistics Agency-Energy
ATTN: Todd Williams
3171 N Gaffey St, San Pedro CA 90731
Generator's Phone:

Generator's Site Address (if different than mailing address)
Defense fuel Support Point Norwalk
15306 Norwalk Blvd,
Norwalk, CA 90630

6. Transporter 1 Company Name: Carbon Supply Inc
U.S. EPA ID Number: NON - Haz Transport

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

8. Designated Facility Name and Site Address
California Carbon Co. Inc.
2325 E. Grant St.
Wilmington, CA 90744
Facility's Phone:
U.S. EPA ID Number: NON Haz Facility

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON Hazardous Solid Waste Spent Activated Carbon	11	BA	11,000	P	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

14. 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.

Generator's/Offeror's Printed/Typed Name: TODD E.H. WILLIAMS
Signature:
Month 02 Day 07 Year 2020

INT'L

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

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: JAVIER Morales
Signature:
Month 02 Day 07 Year 2020

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Marta Robles
Signature:
Month 03 Day 19 Year 20

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR